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라 네 호 General Research Series PAPER NO. 147 August, 1990

MEASURING ACTIVITY AND COSTS IN IRISH HOSPITALS: A STUDY OF HOSPITAL CASE MIX

Miriam M. Wiley Robert B. Fetter



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Price IR£15.00

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ISBN 0 7070 0113 7

Acknowledgements

This study was made possible by the co-operation of a large number of individuals and organisations both in Ireland and the US. M. Wiley would especially like to express sincere appreciation to colleagues and organisations in Ireland for the support and assistance provided throughout the conduct of this project. The Department of Health commissioned this report and provided the funding which made it possible. In addition, the Department made available all necessary facilities required for the conduct of the research. The Department of Health, as an organisation, has been an outstanding host through all stages of this research project and I offer my sincere thanks for the assistance provided by all over a long, and sometimes difficult, project. While acknowledgeing and respecting the traditional anonymity of civil servants, the following individuals in the Department of Health deserve particular thanks for contributions made to the conduct and completion of this project: the current and former Secretaries of the Department, Mr J. Hurley and Mr P.W. Flanagan; current and former Assistant Secretaries, Mr D. Devitt, Mr J.A. Enright, Mr G. McCartney, Mr J. O'Dwyer, Mr S. Trant; colleagues in the Finance Unit and the Resource Allocation Group, Mr T. Mooney, Mr D. Smyth, Mr R. Carroll, Mr D. Mulligan; the programming assistance provided by Mr T. O'Sullivan, Mr M. Moran and Ms C. McManus and the very valuable assistance of other members of the Organisation Unit, including Mr C. Hardy and Mr P. Cantwell. My very special thanks for the constant support and assistance provided at all times and in all circumstances must go to current and former members of the Planning Unit, particularly Ms S. Barnes, Ms M. Stack Kennedy, Ms J. Wilson, Mr G. Coffey, Mr M. Kelly, Mr H. McGee, Mr D. McCarthy, Mr T. O'Mahony, Mr J. Collins, Mr J. O'Toole, Mr R. Smyth, Mr F. Lynch, Mr B. Lucy and Ms M. O'Keeffe.

The data requirements for this project were very substantial. In this regard, I am grateful for the assistance provided by Mr J. O'Gorman of the Health Research Board and Ms A. Purcell and her colleagues on the Hospital In-Patient Enquiry Scheme. I must also express my appreciation for the courtesy received from all Health Boards and hospitals which I have approached many times in recent years with different requests for information and assistance. The helpfulness and co-operation which have always been forthcoming from these institutions and individuals while working under great pressure is indicative of the high standards of service provision and quality care which have been the corner stones of our hospital system. I must express my particular appreciation to the managers concerned in the three pilot hospitals who agreed to participate in the costing study. We are indebted to the managers and accountants in these hospitals who undertook a substantial amount of work for the purpose of

participating in this exercise.

At the Health Systems Management Group, Yale School of Organisation and Management, R. Fetter would like to express appreciation for assistance provided by Dr D. Brand, Dr J. Freeman, Mr R. Newbold, Mr M. Mador, Dr H. Park and Mr I. Chandler.

Earlier drafts of this report benefited from comments offered by Dr C. Whelan and Dr B. Nolan of the ESRI, an anonymous external referee and a number of health agencies and government departments.

Finally, we are indebted for assistance provided by ESRI colleagues, particularly Ms M. McElhone for valuable support and assistance in supervising the printing of the report, Ms P. Hopkins for excellent assistance with difficult artwork and Ms M. Cleary and the staff of the general office for clerical assistance.

In expressing our appreciation to particular organisations and individuals for assistance provided during the course of this research project, it must be emphasised that this does not imply any expressed or implicit support from these sources for the research or opinions contained in this report. The views and opinions expressed in this report, together with any errors of omission or commission, remain the full and complete responsibility of the authors.

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GENERAL SUMMARY

During the period of rapid growth within the health sector which characterised the 1970s, routine evaluation of efficiency and/or effectiveness within the system was minimal. The crisis which subsequently gripped the public finances led, however, to a rather dramatic reversal of this trend and the expansion of the 1970s was abruptly constrained by the financial controls of the 1980s, when maintenance of the health service system, at best, rather than continued expansion, became the priority.

While health service effectiveness must be recognised as the highest priority for any health system, this area of investigation is, of necessity, outside the scope of the present study. It is the area of health system efficiency which provides the focus for our investigations here. More specifically, our concerns relate to the measurement of efficiency within the hospital service sector in particular. While efficiency in service provision and resource deployment are, in themselves, important objectives for the hospital system, efficiency is also a necessary pre-condition for the pursuit of optimal quality of care standards within this system.

While the study begins with an overview of developments and changes within the Irish hospital system since 1980, this is a necessary backdrop to the central question addressed in the study; what do hospitals do? While the patients treated by a hospital and the bed-days used can be easily quantified, the question which arises is whether this type of descriptive information can adequately portray the complexity of patient demand and service provision within the hospital system. To take an example: what conclusion can be drawn from the information that a maternity hospital and an acute general hospital both have 10,000 discharges in a particular year? Does this mean that both hospitals would be expected to have the same level of resource requirement within the time period under review? The usefulness of the information on discharge levels varies between these hospitals. Discharge level in the maternity hospital may provide a worthwhile starting point for the assessment of service demand and resource requirement because the service mix for a specialty hospital of this type is quite predictable. This is not the case for the acute general hospital, and information on discharge levels would be an inadequate basis for the assessment of service requirements and resource needs.

This problem is magnified many times over within the acute hospital

sector in Ireland where the task of assessing resource requirements for many different hospitals supporting a mixed range of specialties must be addressed on an ongoing basis with very limited information. Given the importance of improving the information base as an input to the process of assessing resource requirements at the hospital level, a core objective for this study is to test the application of one approach to the quantification of the patient mix, or case mix, treated within the acute hospital sector. From this basis, we proceed to test potential applications for the approach in the pursuit of improved efficiency in the deployment of resources at the hospital level.

The Irish Hospital System: 1980-1988

The review of changes within the acute hospital system between 1980 and 1988 may be summarised as follows: there was a 20 per cent decline in acute hospital beds, a 19 per cent decline in average length of stay, a 25 per cent decline in hospital bed/days produced, and just a 5 per cent decline in discharges from the acute hospital system. Over the same period, the proportion of Gross National Product (GNP) devoted to public health expenditure declined by 11 per cent, from 8.1 per cent in 1980 to 7.2 per cent in 1988. Hospital expenditure as a proportion of GNP dropped from a high of 4.4 per cent in 1980 to 3.6 per cent in 1988, a decline of 18 per cent. At constant prices, health expenditure has declined by 8 per cent between 1980 and 1988, while expenditure on the hospital services has declined by almost 15 per cent over the period.

While the change in discharge levels between 1980 and 1988 appears to be small, relative to changes in the other measures, it is important to stress that other areas of hospital activity, including the use of out-patient departments and day treatment facilities, have shown an increase over the period. An analysis of changes in these areas of activity is, however, outside the scope of this study as our concern here must, of necessity, be concentrated on the acute in-patient sector.

Against this backdrop to the acute hospital system, an important question which must be raised is whether the reduced numbers of people receiving in-patient care are actually making the same, or perhaps greater, demands on the hospital system, compared with the patient numbers treated in previous years. This question relates to the illness experience, or morbidity, of the patients requiring treatment by the hospital system. These issues have important implications for resource deployment and management within the hospital sector. It is not necessarily the *number* of patients treated within the hospital which will constitute the most important determinant of resource use within the hospital. Rather, it is the

type and mix of patients requiring treatment which will have the greatest influence on service delivery and resource needs at the hospital level. Given the limitations on public expenditure in recent years, it is becoming essential to develop a system for differentiating between hospitals in terms of the type and not just the number of patients treated if resources are to be directed to hospitals in accordance with the needs of the patients treated.

Defining the Hospital Product

While not denying that individuals are unique, patients may share common clinical attributes which, in turn, gives rise to the expectation that they will receive a similar "bundle" of services as part of the therapeutic process. If classes of patients which cover all possible patient types can be differentiated, this framework constitutes the basis for a case-mix classification scheme which "provides a means for examining the products of the hospital, since patients within each class are expected to receive a similar product" (Fetter et al, 1980). The hospital product can therefore be defined by the development and application of a case-mix classification system consisting of discrete classes of patients exhibiting common clinical attributes and similar output utilisation patterns.

The complexity of both illness and the therapeutic process means that the development of a system for classifying case mix is a complicated undertaking. The 1970s saw significant advancements towards the achievement of the objective of operational case-mix measures. A number of the most advanced measures of hospital case mix are reviewed in the report, including Diagnosis Related Groups, Medisgrps, Disease Staging, Computerised Severity Index, APACHE II, and Patient Management Categories. The results of recent comparative studies of these case-mix classification techniques are also reported. An important conclusion emerging from one such study was that "diagnosis-related groups (DRGs) are the most appropriate available measure of hospital case mix for PPS" (Prospective Payment System) (Prospective Payment Assessment Commission, April, 1988, p.3).

In recognising the integral importance of case-mix measurement in any approach to hospital product definition, together with the strength of the available evidence on the performance of available case-mix measures, it was decided to proceed with a test of the application of the Diagnosis Related Group (DRG) system on Irish hospital discharge data. Two core objectives for proceeding with this application of case-mix measurement in the context of the Irish hospital system were identified as follows: (1) to test the technical feasibility of using an advanced case-mix measure like DRGs on Irish data; and (2) to assess the potential which DRGs might offer

as a resource management tool within the Irish hospital system.

Measuring Hospital Case Mix

The Diagnosis Related Group (DRG) patient classification system was developed by the Health Systems Management Group at the Yale School of Organisation and Management in the late 1960s. The objective for the DRG system is specified as follows by Fetter, Thompson and Averill (1981):

"The fundamental purpose of the DRG approach is to identify in the acute-care setting a set of case types, each representing a class of patients with similar processes of care and a predictable package of services (or product) from an institution" (p.27).

The development of a system to achieve this objective required the initial specification of independent variables which were descriptive of the patient, the patient's disease condition and the treatment process. Ultimately, the independent variables which were identified as representing the essential demographic and clinical attributes of inpatients were the following: primary diagnosis, secondary diagnoses, surgical procedures performed, age, sex and discharge status.

The specification of the appropriate dependent variable for the development of the DRG system had to be guided by the requirements of homogeneity with respect to identified clinical attributes, together with the additional expectation that resource use at the DRG level will also be relatively homogeneous. Taking all of these factors into account, the measure of output used as the dependent variable was length of stay (LOS) (Fetter, et al., 1980). As a measure of output, length of stay has the advantage of being standardised, reliable and routinely available on discharge abstract summaries.

In addition to the availability of data on these independent and dependent variables, the development of the DRG classification system required the following key inputs: physician review, efficient information systems and statistical algorithms.

The DRG system developed on the basis of this approach consisted of 467 groups when released in 1983. The DRG system has subsequently been subject to annual updates and revisions to take account of changes in medical technology and service provision and also to correct for any inadequacies identified within the system. With these revisions, the number of DRGs within the system has expanded to 477 groups within the current (1989) version.

Data Sources and Requirements

There are two principle sources of data on acute hospital discharges in

Ireland: (1) the Hospital In-Patient Enquiry Scheme (HIPE) and (2) the Perinatal Reporting System (PRS). All of the data elements identified above as being required for DRG assignment are available on the HIPE for acute hospital discharges and on the PRS for all births. While some adaptations were necessary to achieve compatibility in the coding schemes used for diagnoses and procedures, these were completed without difficulty with the result that DRG assignment of hospital discharges was successfully achieved with these data sources.

Hospital Activity Analysis by Diagnosis Related Group

Data on acute hospital discharges in Ireland were successfully classified into DRGs for each year from 1984 to 1988. The discharge breakdown for each DRG, together with length of stay information and measures of variation, are presented and discussed in the report.

The initial objective of testing the feasibility of using the "DRG Grouper" on Irish data was successfully achieved with close to 99 per cent of cases being successfully assigned to a DRG for each of the five years analysed. In addition, the information generated and presented in the report provides important baseline data on the national case-mix profile. For each of the three years 1984, 1985 and 1986, the first 4 DRGs account for more than a quarter of the discharges, the first 10 DRGs account for more than one-third of the discharges and over a half of all discharges can be accounted for by the top 30 DRGs. This would suggest a significant concentration, rather than variation, of case mix at the national level over this period.

Normal newborns (DRG 391) and normal deliveries (DRG 373) together account for approximately 22 per cent of discharges over the 1984-1986 period. It seems reasonable to assume that this trend continued through the 1987-1988 period. Based on this assumption for 1987 and 1988, almost one-third of all discharges would be expected to arise in the top 4 groups, with over 62 per cent of discharges falling into the top 30 DRGs. The comparison of the 1987-1988 period with the 1984-1986 period suggests that the distribution of acute hospital case mix is becoming more concentrated over time, as the number of hospital discharges found within the top 30 groups in the later period is substantially greater than the proportion of discharges found at the same level in the earlier period.

For the 1984-1986 period, normal newborns (DRG 391) and normal delivery (DRG 373) account for the first and second most frequently occurring group, and it is to be assumed that this is also the case for 1987 and 1988. The third and fourth most frequently occurring conditions over the period fall into diseases and disorders of the digestive system, specifically oesophagitis, gastroenteritis and misc digestive disorders, up to

the age of 69. While the rank order may change, four of the six remaining groups in the top 10 DRGs are the same in each year: appendicectomy, without complicated principal diagnosis, age < 70, (DRG 167), other factors influencing health status (DRG 467), other skin, subcutaneous tissue & breast operating room procedure (DRG 270) and chronic obstructive pulmonary disease (DRG 88).

In addition to changes in the distribution of discharges, changes in the distribution and use of hospital bed-days are also evident from the results of the case-mix analysis presented in the report. While length of stay at the national level is declining, this trend is not maintained consistently for all case types. There are very substantial swings, both negative and positive, in mean length of stay variation over the 1984-1988 period. For the high volume DRGs listed above, the greatest decline in mean length of stay is found for DRG 88 (chronic obstructive pulmonary disease), which shows a decline of 43 per cent in mean length of stay from 1984 to 1988. We also find mean length of stay declining consistently and gradually for DRGs 167 and 243. For both groups, length of stay drops by about one-fifth from 1984-1988. It is interesting, however, that out of the top 10 groups listed above, 5 groups, including DRGs 183, 184, 467, 30 and 270 show increases in length of stay from 1987 to 1988 which is contrary to the trend towards decreasing mean length of stay in evidence at the national level.

It is clear from this analysis that it is important to go beyond both the national and the hospital level in any attempt at developing an understanding of bed/day use. Using a case-mix framework allows us to track bed/day use to the patient group level and, consequently, to gain a better understanding of the distribution of bed/day utilisation by patient type within the acute hospital sector. In addition to facilitating a study of inter-temporal changes in hospital case mix, this type of DRG analysis was also undertaken to estimate inter-sectoral and inter-hospital variations in the case mix treated.

For selected health board and voluntary hospitals, DRG distribution and mean length of stay for hospital discharges is presented in the report. For both hospital groups, 48 DRGs account for just over 50 per cent of discharges, while the remaining 50 per cent of discharges are spread across 404 DRGs for the health board hospitals and 405 DRGs for the voluntary hospitals. With regard to discharge distribution across DRGs, it is interesting to note that, of the 10 high volume DRGs in the health board hospitals, only three of these DRGs (DRG 183, 467 and 088) appear in the top 10 DRGs for the voluntary hospital group. This would indicate that case-mix concentration in both groups of hospitals is quite different. The top 10 DRGs account for 21 per cent of all discharges for both the health

board and for the voluntary hospital group.

For each of the high volume DRGs listed for both groups of hospitals, mean length of stay is longer in the voluntary hospital group compared with the health board hospital group. The magnitude by which the mean length of stay in the voluntary hospitals exceeds the length of stay in the health board hospitals for the DRGs listed, ranges from a low of 4.2 per cent for DRG 167 to a high of 108 per cent for DRG 029.

The changes in the volume and distribution of hospital discharges and hospital bed-day use observed in the study may be attributed to a number of factors requiring further investigation. These areas would include epidemiological factors and changes in the pattern of illness, changes in treatment patterns and service availability, technological developments and availability, changes in demographic and environmental factors, in addition to such fundamental influences as changes in data coding and reporting practices. It is important to recognise that the magnitude and direction of change in discharge distribution and bed-day use is not consistent across all case types. Controlling for case mix within this analysis of hospital activity therefore enables us to identify those case types for which change in discharge distribution and bed-day use is greatest.

Estimation of Hospital Costs by Diagnosis Related Group

While a case-mix analysis of activity data constitutes an important basis for estimating and understanding the utilisation of hospital resources, the power of this tool is greatly enhanced when activity data and cost data can be related on a case-mix basis. Knowing the cost of treating particular types of patients, as well as the distribution of patients treated, considerably strengthens the potential power of this technique.

The decision to undertake a pilot study to estimate costs by DRG for selected Irish hospitals was taken with the objective of providing the essential link between hospital activity and hospital costs. While the study was pursued with the aim of estimating costs by DRG, limitations on information availability meant that the operational objective was to test and, where necessary, modify a DRG costing model for use in Irish hospitals.

A case-mix, cost accounting model developed and applied in US hospitals is described in detail in Thompson, et al., (1979). According to these authors, "the goal of case-mix cost accounting is to provide a complete financial picture of the costs of treating individual patients grouped into similar classes based on use of resources" (p.113). As the DRGs provide a definition of the hospital product, the resources used and costs incurred by the hospital can be related directly to the patient types

treated within the hospital by means of the DRGs. The relationship between the case mix of the hospital, the resources it consumes and the costs it incurs can therefore be established.

Following a review of potential sites for the conduct of the study of hospital costs by DRG, three acute hospitals were finally selected for the study. The application of the DRG cost model was successfully completed and the estimated average costs by DRG for the combined study hospitals are presented in Appendix 8. Caution is, however, advised in interpreting these results due to the fact that the cost data used for the analysis was incomplete which meant that there were a number of gaps in the data which had to be supplemented from other sources.

While the development of a mechanism to relate hospital costs to hospital activity was our first objective here, a more fundamental objective involved the assessment of *relative* resource consumption between different patient types. This was achieved by converting the estimated DRG costs to DRG cost weights. As the cost weights constitute a standardised measure of relative resource consumption by DRG, they provide a tool for quantifying the relationship between hospital activity and hospital resource use.

The potential offered by the DRG cost weights as a basis for the assessment of the resource needs of the hospital was tested with the estimation of a case-mix index for a number of health board and voluntary hospitals. A case-mix index (CMI) is essentially a measure of the relative costliness of the case mix treated by the hospital. For the hospitals for which the CMI was estimated, it is interesting that the direction and magnitude of the changes observed for the CMI over the 1984-1988 period were not necessarily consistent over time, underlining again the importance of adjusting for case mix in any analysis of changes in the nature of hospital activity and resource requirements. The potential offered by the case mix index as a support tool in any exercise directed at resource allocation between hospitals is substantial. Where agencies have previously had to depend on inadequate measures like variation in bed-day costs to attempt to differentiate the needs of different hospitals, the CMI is a mechanism which enables the quantification of the relative costliness of the case mix treated by a hospital.

This is the first attempt at producing costings on a case-mix basis for Irish hospitals. We therefore have no other Irish data which can be used for comparison with the results of this pilot study. Success in the estimation of DRG costs and cost weights is in itself, however, of limited usefulness unless some mechanism can be derived which will facilitate the application of this information within the hospital system. A number of possible applications for these potentially powerful techniques are explored in the report and summarised here.

Case-Mix Applications

Case-Mix Based Global Budget Model: One of the most serious and most frequently voiced criticisms of traditional approaches to hospital budgeting is that budgets do not accurately reflect the relationship between activity and funding within the hospital. The accurate quantification of the relationship between hospital activity and hospital funding demands that both sides of the equation can be related by means of some common unit of measurement. A case-mix based hospital budget model may offer some potential for the achievement of this objective in the Irish context.

Within the hospital budget model, the budget for in-patient hospital services is based on an agreed price per unit of activity, which is measured on the basis of "case-mix adjusted discharges (CMADs)". The CMADs constitute a standardised measure of hospital activity, adjusted for case mix. For a hospital supporting a more resource intensive patient mix, the ratio of CMADs relative to discharges will be greater, compared with that estimated for a hospital supporting a patient mix with lower resource intensity. The case-mix based hospital budget model has the advantage that it requires that both the funding agency and the budget holder agree on what level of activity at what price is covered over the budget period. A decision must therefore be reached on the level and type of adjustment required to project hospital activity for the budget period on the basis of information on current (or most recent) hospital activity.

The determination of these factors will not depend exclusively on technical considerations but will require a strong policy input by the funding agency. The determination of a price/CMAD, and the relationship between the price and the projected cost/CMAD will depend on the funding agency's approach to allowing adjustments for factors generally believed to have an influence on resource requirements at the hospital level. Care must be taken here to ensure that any adjustments which are made to the projected price and activity levels are based on factors which are known, rather than assumed, to have a significant effect on resource use. Decisions on the type and nature of adjustments to be applied within the budgeting process must be taken in the policy arena and are in no way pre-judged by the particular approach adopted to quantifying hospital activity or adjusting for hospital case mix.

The global budgeting model as described here would seem to have considerable potential for application in the Irish context. We have shown in this study that hospital activity data are available in a form which allows classification into DRGs. The estimation of CMADs on a hospital by hospital basis is therefore feasible and achievable in the Irish context.

The introduction of a case-mix measure into the hospital budgeting

process in Ireland should not be delayed until "the perfect model" with "a complete data base" is developed. It is unlikely that such an objective is feasible and, if so, it would take too long to achieve to be viable. The unfortunate consequences of a delay in reforming the funding process to reflect the knowledge and the technology which is now available may be manifest in the perpetuation of inequities in resource allocation between hospitals which would become increasingly difficult to correct. The use of a case-mix measure, in itself, should initially provide enough information to enable the development of a more equitable basis for resource allocation between hospitals, with more specific measures being introduced over time as more detailed information becomes available.

Product Line Management for Hospitals: Internal resource allocation at the hospital level must also be addressed if hospital resources are to be used efficiently. While the exact management framework may vary from hospital to hospital, an essentially hierarchical approach to hospital management tends to predominate both in Ireland and other European countries. A fundamental problem with a hierarchical management structure is the difficulty arising in relating service provision from many different departments to a particular patient type. Communication is also rendered difficult both within and between the different disciplines involved in service delivery and resource management.

An alternative to this hierarchical model is the matrix management model. An important advantage of the matrix approach is that it can accommodate a case-mix classification system like the DRGs which, in turn, provides a means of overcoming the problems identified within the hierarchical model. A DRG-based approach to matrix management will facilitate the organisation of service providers into teams which are expected to have responsibility for patients grouped on a DRG basis. This approach will facilitate a prediction of the resources which may be required by patients in the different DRGs and will also enable the physicians to track patients through the individual hospital departments if they need to specify the services used or needed by the patient.

The administrators, in turn, have clearly defined lines of responsibility which also cut across the DRGs. This means that these non-medical managers will be able to relate utilisation of the support services to particular patients and patient types. The essential point here is that there are two lines of responsibility and authority which meet at a common point: the DRG.

Within this system clinicians have identified responsibility and accountability for determining the utilisation of the relevant resources and

the service mix required to treat the patients within their groups. The administrators, on the other hand, have identified responsibility and accountability for the intermediate product centres and the production of those services deemed necessary by the clinicians for the provision of patient care.

For each management group, both services and costs can be related to a common unit, the DRG. Communication between both groups is thereby facilitated as a common language is shared by all resource managers. The potential for planning will also be greatly enhanced as both sets of managers become more proficient at predicting resource requirements for the particular groups of patients treated. From this basis, performance and efficiency both at the departmental and the hospital level may be accurately assessed.

Conclusions

One of the most important conclusions to emerge from this study is that it is technically possible to define and measure the case mix treated in the acute in-patient setting in Ireland. The application of the DRG system in this study to classify acute discharges from Irish hospitals for each of the five years from 1984-1988 proved to be highly successful. The results of this analysis leads to the conclusion that the potential for success of any policy interventions directed at influencing change in the pattern and mix of hospital service utilisation will be substantially enhanced if the case-mix profile for the area under review is taken into account.

The fact that the case-mix analysis of hospital activity and hospital costs undertaken for this study was successful, in addition to yielding important and interesting results, provides a strong basis from which to pursue the introduction of a case-mix measurement system within the acute hospital sector in Ireland. The range of possible management applications spans both the intra- and inter-hospital level. As DRGs provide a means of relating resource use and requirements to patient type, the potential power of the technique as a management tool is significant. It seems reasonable to conclude that if DRGs can be used to identify the areas of greatest need within the hospital system, resources may be targeted accordingly. Improvements in the efficiency of resource deployment throughout the system as a whole would therefore be expected.

The findings emerging from this study are relevant to a number of proposals for health service reform which have been put forward in recent reports. The report of the Commission on Health Funding which was presented to the Minister for Health in September 1989 contained a number of recommendations on the funding and financing of the acute

hospital sector which are of specific relevance to our interests in this study. As a means of overcoming the problems identified, and achieving the objectives considered crucial to the development of an efficient and effective approach to hospital funding, the main recommendation put forward by the Commission in this area was that:

Hospitals should receive global budgets for the provision of an agreed service level. The calculation of these budgets should be based on an assessment of the activity level implied by the hospital's agreed role and catchment area, and the case-mix based cost of meeting this (p.257-258).

Both the research project reported in this study and the Commission on Health Funding had the same starting point, where the resourcing of the acute hospital services is concerned, in identifying the absence of a specified relationship between hospital resources and hospital activity as the greatest weakness in the approach currently adopted for the funding of hospital services. This research and the report of the Commission also come to the same conclusion, i.e., that an equitable and efficient basis of resource allocation to the acute hospitals requires that funding be related to the case mix treated by the hospital. The achievement of this objective would not, however, have been possible without the conduct of the research reported here. Prior to the commencement of this project, the feasibility of case-mix measurement within the acute hospital system had not been tested in the Irish context. In this project we have shown that the application of an advanced and sophisticated measure of hospital case mix is both feasible and valuable within the Irish hospital system. This research has therefore fulfilled a necessary pre-condition for the pursuit of the recommendation that hospital budgets should be based on the "case-mix based cost" of supporting a specified level of hospital activity (Commission on Health Funding, 1989).

Concern about current approaches to resource allocation for hospital services was also expressed in the Report on Hospital Consultants published by the Review Body on Higher Remuneration in the Public Sector (1990) (The Gleeson Report). The views expressed by this Review Body may be summarised as follows:

Under the traditional method of determining hospital and subhospital budgets there is little incentive for consultants (or other health service personnel) to maximise efficiency. Historical budgeting means that savings in a unit in one year will sometimes be punished, rather than rewarded, by a reduction in the budget the following year. This approach is obviously counterproductive and potentially wasteful of scarce resources. What is needed is a funding and budgetary approach which would give hospital personnel every incentive to seek out and support potential cost savings and efficiency improvements (p.33).

The Review Body goes beyond this position statement to comment that: We were advised in this context by the Department of Health that it is committed to developing a resource allocation system which would link hospital budgets to the type and volume of services to be provided (p.33).

The Commission on Health Funding, the Gleeson Report and the Department of Health would therefore seem to share important common ground, i.e., that funding for hospitals should be linked in a meaningful way to the activity supported by the hospital, if resource allocation to the hospitals is to be both efficient and effective. Prior to the conduct of the research reported here, the feasibility of the achievement of this objective in the context of the Irish hospital system was open to question. In this project, we have been successful in demonstrating the application of an advanced technique for relating hospital costs to hospital activity "in a meaningful way". The technical issues addressed, together with the information base developed and presented in the report provide the essential starting point for the pursuit of the recommendations of both the Commission on Health Funding (1989) and the Gleeson Report (1990) regarding improvements in the approach to funding acute hospital services in Ireland.

In conclusion, it is worth reiterating that the integration of a valid and reliable case-mix measure within the resource allocation process for hospital services, combined with the application of a case-mix framework for internal management at the hospital level, should offer greatly expanded opportunities for achieving both equity and efficiency within the hospital system and is worthy of serious pursuit at both the policy and the operational level. Efficiency in resource use is an important component of any policy aimed at improving care standards for all users of the acute hospital system. Approaches to resource allocation and management techniques which help to improve efficiency must, therefore, be seen as an aid towards the optimisation of the quality of care delivered through our hospitals.

Chapter I

INTRODUCTION

It can be claimed that Ireland has quite a well developed health care system which addresses the main health problems of the population.....Questions can, however, be raised about the relationship between the different types of care provided, the emphasis which is placed on each, particularly in the allocation of resources, and whether the organisation of the system is such as to ensure for the population the most appropriate care in the most appropriate setting (Department of Health, *Health*, *The Wider Dimensions*, 1986, p.29).

The starting point for this study is succinctly summarised here in this statement from the Department of Health's consultative statement on health policy, Health, The Wider Dimensions (1986). While an assessment of the merits and deficiencies of the Irish health care system has become the subject of frequent and widespread debate over time, discussion is too often based on individual perception and experience with very little scientific evaluation or research into the operation and effectiveness of the system. This study is directed at contributing to the development of this research base for the purpose of enabling more precise and in-depth evaluation of the operation of the Irish health care system.

An exhaustive assessment of the merits of any health service would have to be undertaken along two dimensions. First, the effectiveness of the system would have to be assessed. This would be concerned with the extent to which the system is judged to be successful in meeting the needs of the population it is supposed to serve and, secondly, the efficiency of the system would be measured in terms of the return achieved on the investment within the system.

While health service effectiveness must be recognised as the highest priority for any system, this area of investigation is outside the scope of the present study. It is the second dimension, health system efficiency, which provides the focus for our investigations here. More specifically, our concerns relate to the measurement of efficiency within the hospital service sector in particular. To place this study in context, however, a brief

description of the Irish hospital system is first required and this is provided in the next section.

THE IRISH HOSPITAL SYSTEM

The current structure of the hospital system has its roots in the Health Act, 1970. Under this legislation, eight regional health boards were created which took over the management of public hospitals from the local authorities. At the time of the creation of the health boards, voluntary public hospitals were maintained outside of this structure. Many voluntary public hospitals have traditionally been run by religious orders and function as teaching hospitals. Alternatively, voluntary public hospitals may be incorporated by charter or statute and work under lay boards of governors. Voluntary public hospitals are more numerous in Dublin and other large centres of population.

The administrative and managerial division between health board and voluntary hospitals established in 1970 continues today and is associated, in turn, with two different approaches to funding for these hospitals. The regional health boards receive an annual budget from the Department of Health out of which all health services, including hospital services, are financed by the Health Board. Voluntary public hospitals, on the other hand, receive their annual budgets directly from the Department of Health.

Health board hospitals can be disaggregated into a number of different hospital types, namely, regional hospitals, county hospitals, district hospitals, fever hospitals and orthopaedic hospitals. Regional hospitals are distinguished by the fact that they tend to have specialised units catering for a large population base. Many regional hospitals are also teaching hospitals. County hospitals will tend to have consultant-staffed units for general medicine, general surgery, obstetrics and gynaecology. District hospitals are not included in this study as they are increasingly caring for more long-stay patients. For the purpose of the information presented here, fever and orthopaedic hospitals will be collapsed into a broader category called "special hospitals" which will also include voluntary special hospitals covering maternity, paediatrics, cancer, eye and ear, and voluntary orthopaedic hospitals.

To facilitate an appreciation for the size and mix of the Irish hospital system, time series data on hospital beds, hospital discharges, hospital bed/days, average length of stay and percentage occupancy is presented in summary form in Table 1.1 and graphically in subsequent figures. Each area of interest will now be briefly reviewed.

Bed Complement

The number of hospital beds by type and in total is presented in Table 1.1. It must be emphasised that what is presented here is the approved bed complement, which may, at times, differ from the actual number of beds in use within the hospital system.

Changes in the total number of acute hospital beds between 1980 and 1988 are shown graphically in Figure 1.1. From a high of 16,622 beds in 1983, the total number of hospital beds dropped by 3,144 to an estimated 13,478 beds in 1988. This represents a reduction of 19 per cent of all acute hospital beds in the period between 1983 and 1988. Between 1980 and 1988, the number of acute beds in *public* hospitals dropped by more than one-fifth (21.8 per cent) over all.

In Figure 1.2 changes in the number of acute beds by hospital type is shown. Between 1980 and 1988 the bed complement for the voluntary hospitals dropped by one-third (1,723 beds). When the bed complement of this group of hospitals for 1988 is compared with that for 1982, the high point in bed numbers for this hospital group, the reduction in bed numbers rises to 35 per cent (1,902 beds).

Figure 1.1
Total Number of Acute Hospital Beds:
Ireland: 1980-1988

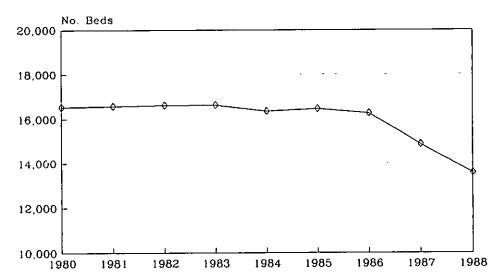


Table 1.1: Bed Complement, Discharges, Occupancy, Average Length of Stay and Bed/Days by Hospital Type, Ireland 1980-1988

Bed Complement	1980	1981	1982	1983	1984	1985	1986	1987	1988
Voluntary	5,197	5,287	5,376	5,346	5,165	5,132	4,968	4,452	3,474
Regional	2,524	2,853	3,022	3,022	3,021	3,020	2,980	2,775	2,589
County	3,398	3,201	3,196	3,216	3,189	3,400	3,514	3,131	3,178
Special	3,885	3,686	3,512	3,513	3,448	3,279	3,054	2,653	2,485
Private	1,518	1,535	1,498	1,525	1,522	1,599(*)	1,675(*)	1,752	1,752(*)
Total	16,522	16,562	16,604	16,622	16,345	16,430	16,191	14,763	13,478
Discharges	1980	1981	1982	1983	1984	1985	1986	1987	1988
Voluntary	179,754	185,211	189,712	188,081	181,452	184,989	186,909	153,317	135,875
Regional	97,306	114,548	123,412	124,312	119,616	121,200	117,867	112,493	109,714
County	135,513	129,027	130,885	133,880	135,009	143,068	143,944	137,352	144,112
Special	107,328	110,620	106,249	105,940	104,375	101,862	99,842	94,685	90,409
Private	41,483	41,126	42,089	42,612	44,099	46,049(*)	48,000(*)	49,950	52,048(*)
Total	561,384	580,532	592,347	594,825	584,551	597,168	596,562	547,797	532,158
Occupancy**	1980	1981	1982	1983	1984	1985	1986	1987	1988
Voluntary	86.6%	84.8%	84.9%	79.1%	80.8%	78.4%	79.2%	75.0%	85.5%
Regional	85.3%	86.9%	85.0%	83.4%	81.1%	81.4%	81.3%	83.3%	78.9%
County	82.8%	79.5%	78.5%	77.6%	76.3%	76.1%	76.3%	76.7%	79.3%
Special	70.9%	76. 7% ,	70.5%	70.5%	66.9%	66.2%	66.7%	68.6%	70.5%
Total	81.4%	81.9%	80.0%	77.4%	76.7%	75.6%	76.1%	75.6%	78.8%
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Table 1.1: — Continued

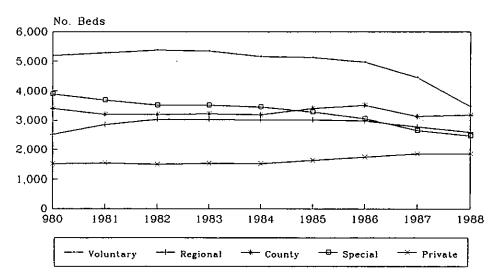
Average Length of Stay** (day:	h s) 1980	1981	1982	1983	1984	1985	1986	1987	1988
Voluntary	9.2	8.8	8.8	8.2	8.4	7.9	7.7	7.9	8.0
Regional	8.1	7.9	7.6	7.4	7.5	7.4	7.5	7.5	6.8
County	7.6	7.2	7.0	6.8	6.6	6.6	6.8	6.4	6.3
Special	9.4	9.3	8.5	8.5	8.1	7.8	7.4	7.0	7.0
Total	8.6	8.3	8.0	7.7	7.7	7.4	7.4	7.2	7.0
Bed/Days**	1980	1981	1982	1983	1984	1985	1986	1987	1988
Voluntary	1,646,749	1,637,030	1,665,543	1,543,928	1,526,712	1,469,463	1,436,873	1,218,015	1,083,715
Regional	788,179	904,929	937,931	919,909	897,120	896,880	884,003	843,698	741,667
County	1,029,899	928,994	916,195	910,384	891,059	944,249	978,819	876,306	907,906
Special	1,007,507	1,031,716	904,131	904,291	844,041	792,164	743,543	664,122	639,065
Total	4,472,334	4,502,670	4,423,800	4,278,512	4,158,933	4,102,756	4,043,238	3,602,141	3,372,353

Source. Department of Health, Ireland. * Estimated Figures ** Information on Private Hospitals not available.

A contrasting pattern of change is in evidence for the voluntary and regional hospitals during the 1980s. While the number of beds in the voluntary hospitals shows a fairly consistent pattern of decline over the period 1980 to 1988, the number of beds in the regional hospitals increased between 1980 and 1982, remained quite constant between 1982 and 1985, and was followed by a decline in the number of beds through to 1988. The decline over the 1985 to 1988 period in regional hospital beds amounted to 14 per cent (431 beds). Over the whole 1980-1988 period, the bed complement in the regional hospitals actually increased by 65 (2.3 per cent), from 2,524 beds in 1980 to 2,589 beds in 1988. Caution must, however, be urged in interpreting the aggregated data presented here because in some instances the designation of a hospital may change, for example from voluntary to health board, without beds actually opening or closing. In this review it is not possible to address changes in specific hospitals as our objective is to present a picture of change in the system as a whole throughout the 1980s.

The trend for county hospital beds is also somewhat inconsistent throughout the period with a decline in bed numbers from 1980 to 1982, increases between 1982 and 1986, followed by decline through to 1988.

Figure 1.2
Distribution of Acute Hospital Beds By
Hospital Type: Ireland 1980-1988

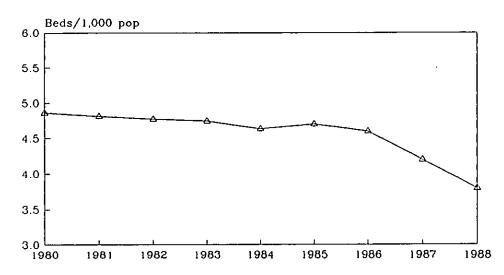


The percentage decline between the high point in 1986 and 1988 is 9.6 per cent, while the overall decline from 1980-1988 is 6.5 per cent (220 beds). The combined reduction in health board beds, regional and county, between 1980 and 1988 is just 2.7 per cent (155 beds). The combined category of special hospital beds shows a fairly consistent and substantial decline throughout the 1980s, amounting to a reduction of 1,400 beds (36 per cent) between 1980 and 1988.

While the number of acute beds in private hospitals is available for earlier years, the number of beds in this hospital group has had to be estimated on the basis of available data since 1985 because of the absence of a centralised source for this information. The estimated data must therefore be treated with some caution. On the basis of the information which is presented, an increase of approximately 15 per cent in the number of beds in private hospitals is indicated, from 1,518 beds in 1980 to an estimated 1,752 beds in 1988. In 1980, beds in private hospitals represented 9.2 per cent of total hospital beds, while in 1988 the share of all beds found in private hospitals had risen to 12.9 per cent.

Changes in hospital bed complement must be standardised for population levels if an analysis of changes in bed supply from 1980-1988 is to be complete. Figure 1.3 shows the number of acute hospital beds per

Figure 1.3
Ratio of Acute Hospital Beds
to Population: Ireland 1980-1988

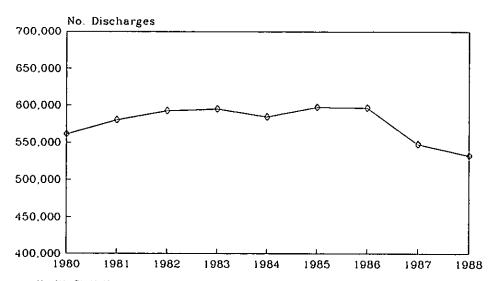


1,000 population for this period. The general trend of overall decline is again evident here. In 1980 Ireland supported approximately 4.8 beds/1,000, while in 1988 this had dropped to a rate of 3.8 beds/1,000 population. For the 1980-1988 period, this amounts to a decline of 21 per cent in the bed/population ratio.

Hospital Discharges

Information on total acute discharges and discharges by hospital type is presented in Table 1.1. A graphical representation of changes in total acute discharges from 1980 to 1988 is shown in Figure 1.4. With the exception of 1984, the total number of discharges from acute hospitals increased steadily between 1980 and 1985, despite the fact that bed numbers stayed fairly constant over this period. After 1985 discharge numbers tended to decline through to 1988. The overall change from 1980 to 1988 shows a decrease of 5.2 per cent (29,226) in total discharges. The total number of discharges peaked at 597,562 in 1985. Between 1980 and the peak in 1985, the number of discharges from acute hospitals increased by 6.4 per cent (35,784), while the 1985-1988 period shows a decrease in total discharges of 10.9 per cent (65,010).

Figure 1.4
Acute Hospital Discharges from All Hospitals: Ireland 1980-1988

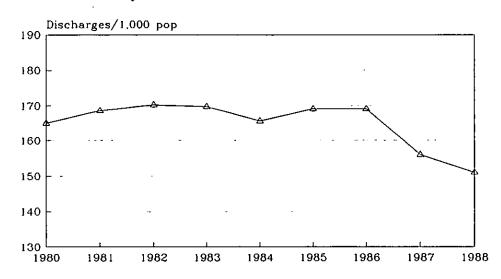


If the analysis is restricted to focus on discharge levels in the voluntary, regional and county hospitals, a similar pattern is evident. The overall decrease between 1980-1988 is again just over 5 per cent, though the increase in discharge levels between 1980-1985 is comparatively higher at 8.9 per cent (36,684) and a greater decline of 13.3 per cent (59,556) is evident between 1985 and 1988.

When standardised for population, the crude discharge rate shown in Figure 1.5 is very similar to the overall trend in evidence for total discharges. There were approximately 165 acute discharges/1,000 in 1980, which dropped to just over 150/1,000 in 1988, a decrease of over 9 per cent. The discharge rate peaked in 1982-83 at 170/1,000 and dropped to its lowest point in 1988, a drop of 11.8 per cent.

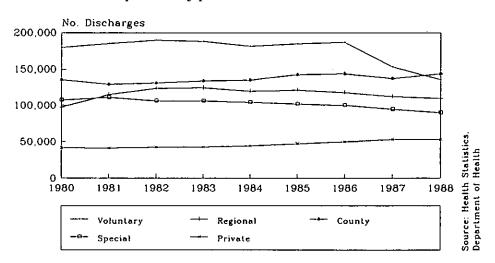
It is interesting to note that the discharge rate of 150/1,000 found for Ireland in 1988 is the same as that found for the United States in 1965 (Pokras, el al, 1990). The crude discharge rate for the US increased from 150/1,000 in 1965, to a high of 169/1,000 in 1981 and subsequently dropped to a low of 143/1,000 in 1986. This represents a drop of 4.6 per cent over the 1981-86 period for the US which is fairly close to the decline of 5.2 per cent found for Ireland over the same period.

Figure 1.5
Ratio of Acute Hospital Discharges
to Population: Ireland 1980-1988



Variations in discharge levels for Ireland by hospital type between 1980 and 1988 are shown in Figure 1.6. The trend over the period varies considerably by hospital type. Between 1980 and 1988, discharges from the voluntary hospitals dropped by about a quarter (24.4 per cent). Voluntary hospital discharges peaked at 189,712 in 1982, declined between 1982 and 1984, increased again between 1984 and 1986 and dropped sharply between 1986 and 1988. Over the two year period 1986-1988, voluntary hospital discharges dropped by over 27 per cent, while the decline over the 1982-1988 period amounted to 28 per cent.

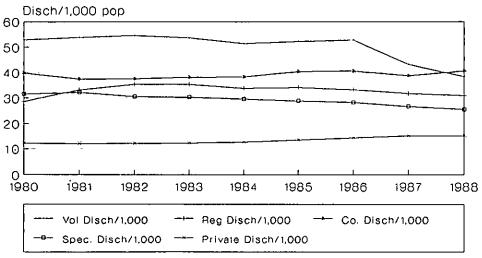
Figure 1.6
Acute Hospital Discharges By
Hospital Type: Ireland 1980-1988



The discharge rate for the voluntary hospitals from 1980-1988 is shown in Figure 1.7. There were approximately 53 discharges/1,000 from the voluntary hospitals in 1980. While this ratio fluctuated in subsequent years, the same level was regained in 1986 and subsequently dropped to approximately 38 discharges/1,000 in 1988, a decline of 28 per cent.

Over the period 1980-1988, discharges from regional hospitals increased by almost 13 per cent. We have previously noted the increase in the number of hospital beds over the same period for this group of hospitals. The 1988 estimate of discharges evident in Figure 1.6 is, however, a reduction of 11.7 per cent compared with the peak of 124,312 discharges in 1983. With the exception of 1985 when there was a slight increase, discharges from the regional hospitals declined fairly steadily from 1983 through to 1988.

Figure 1.7
Ratio of Acute Hospital Discharges
to Population by Hospital Type:1980-1988



Source: Health Statistics, Department of Health

The discharge rate for the regional hospitals shown in Figure 1.7 again shows an increase, amounting to 10.7 per cent from approximately 28/1,000 in 1980 to 31/1,000 in 1988. In line with the trend for total discharges for this group, the discharge rate peaked in 1982/83 at approximately 36/1,000, an increase of 28.5 per cent from 1980, and declining by 13.9 per cent from 1983-1988.

Returning to Figure 1.6 we note that discharges from the county hospitals over the period have gradually increased, while discharges from the special hospitals have gradually decreased. Between 1980 and 1988, discharges from the county hospitals increased by 6.3 per cent, while discharges from the special hospitals decreased by 17.6 per cent over the same period. While the discharge rate for the county hospitals will be seen to fluctuate in Figure 1.7, the overall change during the period is marginal with the 40 discharges/1,000 in 1980 increasing to 41/1,000 in 1988. The discharge rate for the special hospitals is shown to decrease from 31/1,000 in 1980 to approximately 25/1,000 in 1988, a drop of 19.4 per cent.

A general increase in discharge levels for the private hospitals is in evidence in Figure 1.6. The fact that the discharge data for the later years have been estimated would, however, suggest that the magnitude of the change should be treated with some caution, though the direction of the trend would seem to be acceptable. When the estimated discharges for

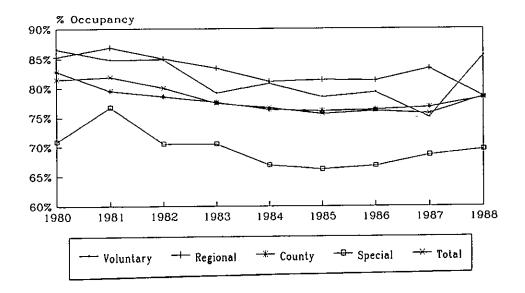
1988 are compared with the discharge level for 1980, discharges are shown to have increased by more than a quarter over the period. The discharge rate for the private hospitals shows a 25 per cent increase from 12/1,000 in 1980 to 15/1,000 in 1988.

Hospital Occupancy

Changes in percentage occupancy for all hospitals and by hospital type between 1980 and 1988 are shown in Table 1.1. Occupancy for the acute hospitals represented in Figure 1.8 shows a general trend of decline over the 1980-1988 period (despite very marginal increases in 1981 and 1986), and an increase from 1987 to 1988. While percentage occupancy decreased by 7.1 per cent, from 81.4 per cent in 1980 to 75.6 per cent in 1987, an increase of 4.2 per cent is shown for the 1988 level of 78.8 per cent, compared with the previous year.

An examination of percentage occupancy by hospital type in Figure 1.8 reveals some interesting patterns for the voluntary and regional hospitals in particular. Despite some exceptions, a generally downward trend in occupancy for the voluntary hospitals is evident over the years 1980-1987 during which time a drop of 13.3 per cent for the period may be estimated. Over just one year, 1987 to 1988, this decline was recovered as occupancy

Figure 1.8
Occupancy Rate For Acute Hospitals:
Ireland 1980-1988





increased by 14 per cent, from 75 per cent in 1987 to 85.5 per cent in 1988. The 1988 occupancy level for the voluntary hospitals is now very close to the 1980 level of 86.6 per cent.

Changes in occupancy for the regional hospitals in recent years contrast with those observed for the voluntary hospitals. In 1987-88, occupancy in the regional hospitals decreased by 5.3 per cent, from 83.3 per cent in 1987 to 78.9 per cent in 1988. In the preceding year, 1986-87, the trend was reversed, with occupancy in the regional hospitals increasing by over 2.5 per cent, while occupancy in the voluntary hospitals dropped by 5 per cent over this period. Between 1980 and 1987, occupancy in the regional hospitals dropped by just over 2 per cent, while the complete 1980-1988 period shows a drop in occupancy of 7.5 per cent for the regional hospitals.

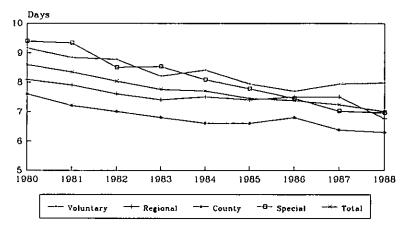
Occupancy for the county hospitals shows a gradual decline from 1980 to 1985 followed by a gradual and sustained increase. The overall change from 1980 to 1988 is a drop of 4.2 per cent, from 82.8 per cent in 1980 to 79.3 per cent in 1988. This level of decline increased to 8.1 per cent over the 1980-85 period, while the 1985-88 period supported an increase of 4.2 per cent in occupancy levels. At just over 70 per cent, occupancy in the special hospitals in 1988 is almost identical to the level supported in 1980. Occupancy levels have, however, changed considerably in the intervening years with an initial increase of 8.1 per cent from 1980-81, followed by a decline up to 1985 when the trend turns and occupancy levels continue to increase over the 1985-88 period.

Length of Stay

Changes in average length of stay for each hospital type and for all hospitals combined are shown in Table 1.1 and Figure 1.9. For all hospitals combined (excluding private hospitals), average length of stay has fallen consistently over the period from 8.6 days in 1980 to 7.0 days in 1988, a decline of 18.6 per cent. The US experience may again provide a useful point of comparison here. Average length of stay dropped from approximately 7.3 days in 1980 to about 6.3 days in 1986, a drop of almost 14 per cent (Pokras, et al, 1990).

The pattern shown in Figure 1.9 for the Irish voluntary and regional hospitals is particularly interesting. After a fairly consistent decline in voluntary hospital average length of stay from 1980 to 1986 (with the exception of 1984), length of stay for this group increased steadily between 1986 and 1988. Between 1980 and 1988, average length of stay for the voluntary hospitals declined by 13 per cent over all. The length of stay decline between 1980 and 1986, however, amounted to 16.3 per cent, while the 1986 to 1988 period shows an increase of 3.8 per cent.

Figure 1.9 Average Length of Stay by Hospital Type Ireland: 1980-1988



Source, Health Statistics Department of Health

A contrasting pattern emerges for the regional hospitals on this indicator. Average length of stay for this hospital group has quite consistently declined (with small exceptions in 1984 and 1986) between 1980 and 1988, amounting to an overall decrease of 16 per cent. For each year under study here, average length of stay in the regional hospitals has been shorter than that for the voluntary hospitals. While 1980 shows the voluntary hospitals with an average length of stay which is more than 1 day longer than the average found for the regional hospitals, the gap narrowed to 0.2 of a day in 1986, but subsequently expanded again up to 1988 to a situation where length of stay in the voluntary hospitals is 1.2 days longer (17.6 per cent) in the voluntary hospital sector, compared with the regional hospital group.

The special hospitals started the period in 1980 with the longest average length of stay at 9.4 days, but exhibit a substantial decline over the period such that in 1988 with a length of stay of 7.0 days, average length of stay in the special hospitals is 1 day shorter than the average length of stay found for the voluntary hospitals. Average length of stay in the special hospitals declined by over one-quarter (25.5 per cent) between 1980 and 1988. For the same period, the decline in average length of stay for the county hospitals amounted to over 17 per cent. The decline was, again, quite

consistent over the period, with the exception of 1986 when length of stay increased slightly compared with the previous year, but resumed the trend of decreasing length of stay in subsequent years.

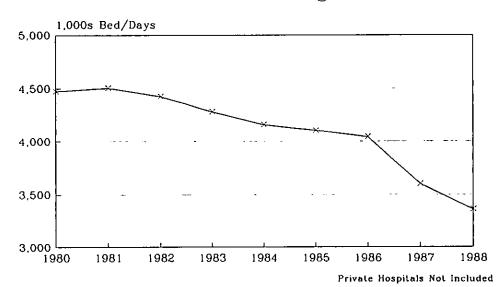
The combined effects of the changes in discharge levels and length of stay can be assessed by examining the trend in the volume of hospital bed/days produced by hospital type. This analysis is presented in the next section.

Hospital Bed/Days

With declines in the number of discharges and average length of stay, the volume of hospital bed/days produced will also decline and this is shown quite clearly for the acute hospital sector in Table 1.1 and Figure 1.10.

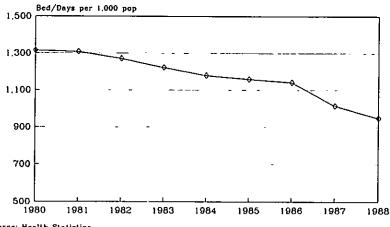
More than 1 million bed/days were lost to the acute hospital system between 1980 and 1988 when the total number of bed/days produced dropped by one-quarter (25 per cent), from a high of almost 4.5 million bed/days in 1980 to approximately 3.4 million in 1988. (The private hospitals must be excluded from this analysis because of the unavailability of the required data). This is a substantial decline and quite consistent over time. When changes in bed/days produced are standardised for population in Figure 1.11, a decline of similar magnitude is estimated. The

Figure 1.10
Total Patient Bed/Days:
All Acute Discharges



Source: Health Statistics, Department of Health

Figure 1.11
Ratio of Patient Bed/Days to Population
Ireland 1980-1988



Source: Health Statistics, Department of Health

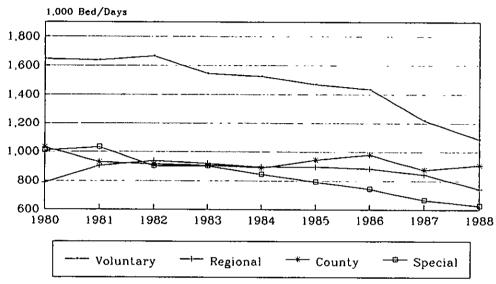
1,300 hospital bed/days produced per 1,000 population in 1980 dropped by almost 27 per cent over the period to a low of 950 bed/days per 1,000 in 1988.

Changes in volume of acute hospital bed/days by hospital type is shown in Figure 1.12. In 1980 the number of bed/days produced by the voluntary hospitals was more than twice the volume produced by the regional hospitals, while in 1988 the voluntary hospitals were only producing approximately 46 per cent more bed/days compared with the regional hospitals. Voluntary hospital bed/days have declined by one-third (34 per cent), from a high of 1.6 million in 1980 to a low of just over 1 million in 1988.

A contrasting trend is again in evidence for the regional hospitals where the number of bed/days produced increased between 1980 and 1983, when the decline began which lasted through to 1988. In total, regional hospital bed/days have declined by just 6 per cent, from close to 0.8 million in 1980 to approximately 0.7 million in 1988.

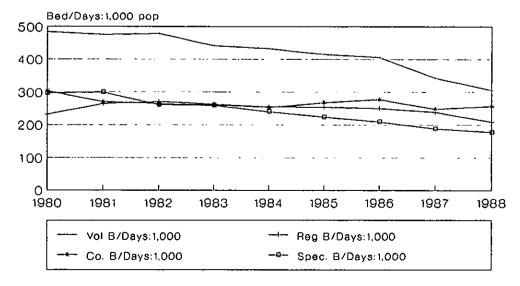
Similar trends are clearly in evidence for both hospital groups when standardised for population in Figure 1.13. For the voluntary hospitals the bed/days:population ratio has dropped by almost 38 per cent from a high of 480/1,000 in 1980 to approximately 300/1,000 in 1988. The net

Figure 1.12
Patient Bed/Days By Hospital Type
Ireland 1980-1988



Source: Health Statistics. Department of Health

Figure 1.13
Ratio of Patient Bed/Days to Population
By Hospital Type: Ireland 1980-1988



Source: Health Statistics, Department of Health decline over the period has not been as high for the regional hospitals, with the bed/days:population ratio declining by 8.7 per cent from 230/1,000 in 1980 to 210/1,000 in 1988. For the regional hospitals, however, bed/days produced increased to a high of 270/1,000 in 1982. If the decline in bed/days produced is estimated from the 1982 peak through to 1988, the bed/days:population ratio will be found to have declined by 26 per cent.

The volume of bed/days produced by the county hospitals (Figure 1.12) dropped by 11.8 per cent, from a high of over 1 million in 1980 to approximately 0.9 million in 1988. The pattern of change is again somewhat erratic for this group with a decline in bed/days produced between 1980 and 1984, followed by an increase in volume between 1984 and 1986, another decrease in 1987, followed by an increase in 1988. The same pattern of change is clearly evident for the bed/day:population ratio shown in Figure 1.13. From a high of 300 bed/days per 1,000 population in 1980, this ratio drops by 17.6 per cent to 255 bed/days per 1,000 population in 1988.

The number of bed/days produced by the special hospitals (Figure 1.12) shows a substantial decline from over 1 million bed/days in 1980 to just over 0.6 million in 1988, a drop of 37 per cent. The decline in special hospital bed/days is quite consistent over the period, as clearly shown when standardised for population in Figure 1.13. In 1980 the special hospitals produced close to 300 bed/days per 1,000 population, a level which dropped by 40 per cent to a low of almost 180 bed/days per 1,000 in 1988.

The above indicators, including hospital bed numbers, discharges, occupancy, average length of stay and bed/days which have been included in this review are generally indicative of substantial retrenchment in the acute hospital sector over the 1980-1988 period. An assessment of the period would not, however, be complete without an analysis of changes in health and hospital expenditure throughout the 1980s. This will be presented in the next section, following which this review of the hospital sector for this period will be concluded.

Health and Hospital Expenditure

Gross non-capital expenditure from exchequer sources on the health service and the general hospital programme between 1976 and 1988 is shown in Table 1.2. This information is also presented graphically with public health and hospital expenditure, together with private health expenditure as a percentage of Gross National Product (GNP) shown in Figure 1.14, and public health and hospital expenditure in current and constant terms shown in Figure 1.15.

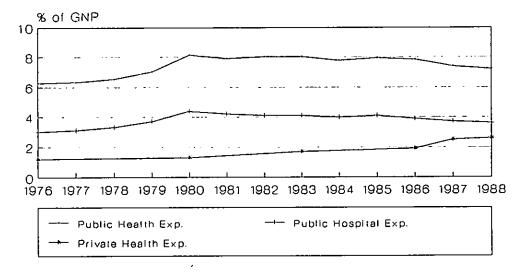
Table 1.2: Gross Non-Capital Expenditure on Health and the Hospital Programme, Ireland: 1976-1988

Year	Health Expenditure (£)	% GNP	Hospital Expenditure (£)	% GNP
1976	290.600	6.29	139.514	3.0
1977	355.122	6.35	172.568	3.1
1978	428.760	6.57	213.200	3.3
1979	537.500	7.04	282.900	3.7
1980	732.000	8.13	393.800	4.4
1981	858.000	7.90	458.370	4.2
1982	998.700	8.02	507.659	4.1
1983	1090.500	8.02	558.100	4.1
1984	1155.500	7.78	592.650	4.0
1985	1245.000	7.95	637.212	4.1
1986	1298.700	7.83	647.900	3.9
1987	1314.500	7.40	657.400	3.7
1988	1338.500	7.23	662.610	3.6

Source: Department of Health, Ireland.

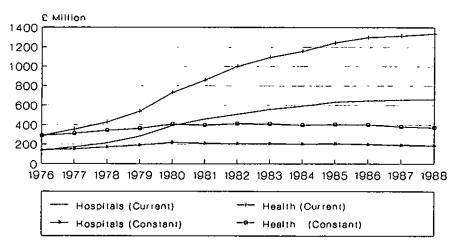
Figure 1.14

Health and Hospital Expenditure
as a Percentage of GNP: 1976-1988*



Gross Non-Capital Expenditure, Ireland Source: Department of Health *Private health expend. starts 1975

Figure 1.15
Expenditure (Current/Constant) on Health and the Hospital Programme: 1976-1988*



 General Hospital Programme Gross Non-Capital Expenditure, Ireland Source: Department of Health

It is evident from Figure 1.14 that between 1976 and 1980, the proportion of GNP devoted to public health expenditure rose sharply, from 6.3 per cent in 1976 to a high of 8.1 per cent in 1980, an increase of 29 per cent. Between 1980 and 1983, public health expenditure as a proportion of GNP fluctuated between 7.9 and 8.1 per cent. The decrease in the share of GNP devoted to public health expenditure has been consistent since 1985, dropping to a low of 7.2 in 1988. Between 1980 and 1988, the proportion of GNP devoted to public health expenditure declined by 11 per cent.

Available sources of information on private health expenditure in Ireland are very limited. In Figure 1.14 we have presented recent estimates of private health expenditure as a percentage of GNP (Institute of Public Administration, 1990, Wiley, 1987). While this series is incomplete, it does enable a general appreciation for the magnitude and direction of changes in expenditure in this area in recent years. It is interesting to note that the trend for private health expenditure is in direct contrast to the trend for public health expenditure in both the pre- and post-1980 periods. From the mid-1970s until 1980, when public health expenditure as a proportion of GNP increased, the GNP share of private health expenditure decreased slightly. The 1980s have, however, seen a substantial increase in the GNP

share of private health expenditure, in direct contrast to the fairly consistent decline in public health expenditure relative to GNP over this period. Between 1980 and 1988, the GNP share of private health expenditure doubled, from 1.3 per cent in 1980 to 2.6 per cent in 1988. Due to the inadequacy of source data, it is not possible to disaggregate private health expenditure by service type. It is therefore not possible to identify which types of private health expenditure may account for the recent increase in the overall level of expenditure and, of specific relevance to this study, it is not possible to quantify private expenditure on hospital services. The discussion of hospital expenditure presented here will therefore have to be limited to funding provision from exchequer sources.

The proportion of GNP devoted specifically to public hospital expenditure, to some extent, mirrors the trends in evidence for public health expenditure with the peak of 4.4 per cent arising in 1980 constituting a 47 per cent increase over the 3 per cent figure recorded in 1976. The reduction in hospital expenditure as a proportion of GNP began after 1980, however, following which the decline is quite consistent (with the exception of 1985), to a low of 3.6 per cent in 1988. The proportion of GNP devoted to the hospital programme dropped by over 18 per cent between 1980 and 1988.

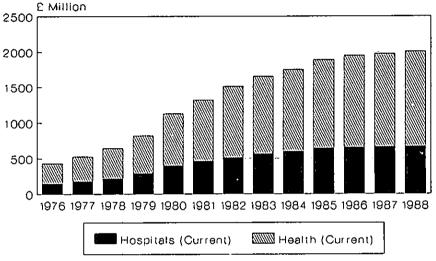
The trends in health and hospital expenditure between 1976 and 1988 are shown in Figure 1.15 at current and constant prices and the relationship between health and hospital expenditure over the same period is shown graphically in Figure 1.16. While the current expenditure series shows a consistent increase in expenditure levels over the period, this increase seems to grow at a faster rate between 1979 and 1985, following which the trend levels off. The adjustment of the current expenditure figures to produce the constant series reveals a very different trend, with a gradual increase in expenditure between 1976 and 1980, following which expenditure levels begin a gradual and consistent decline.

For the current expenditure series, the proportion of gross non-capital health expenditure devoted to the public hospital programme (Figure 1.16) increased from 48 per cent in 1976 to reach its highest point of 54 per cent in 1980 and dropped to a level of about 50 per cent in 1986 and 1987, with a further drop to 49.5 per cent in 1988.

For the constant series (at 1976 values), the deflator used is public authority net current expenditure (PANCE)¹. Here, again, expenditure for

¹The use of both PANCE and the CPI as a deflator for health expenditure is open to question as neither is ideal for use in this area of public expenditure. In the absence of a specific deflator for the health area, the PANCE deflator tends to be used most frequently by the Department of Health and is therefore used here for the estimation of the constant expenditure series.

Figure 1.16
Gross Non-Capital Expenditure on Health and the Hospital Programme: 1976-1988



Source: Department of Health, Ireland

both health and hospital services is seen to peak in 1980, with a gradual decline in expenditure in both areas in subsequent years. For health expenditure, there were slight increases in 1982 and 1985 over previous years, while hospital expenditure declined throughout the 1980s, with the exception of 1985 when there was a slight increase over the previous year. At constant prices, health expenditure increased by 40 per cent between 1976 and 1980, while hospital expenditure increased by 57 per cent over the same time period. While hospitals may have taken more than a proportionate share of the increase in expenditure in the pre-1980 period, the same pattern has held true for the distribution of the expenditure cut backs since 1980. Between 1980 and 1988, health expenditure has declined by 8 per cent, at constant prices, while expenditure on the hospital services has declined by almost 15 per cent over the period.

CONCLUSION

This overview of the Irish hospital system shows that between 1980 and 1988, there was a 20 per cent decline in hospital beds, a 19 per cent decline in average length of stay, a 25 per cent decline in hospital bed/days produced, and just a 5 per cent decline in discharges from the acute

hospital system. While the change in discharge levels over the period appears to be small, relative to changes in the other measures, it is important to stress that other areas of hospital activity, including the use of out-patient departments and day treatment facilities, have shown an increase over the period. An analysis of changes in these areas of activity is, however, outside the scope of this study as our concern here must, of necessity, be concentrated on the in-patient sector.

While the descriptive information presented here provides a useful backdrop to understanding the organisation and the dimensions of the acute hospital system in Ireland, the question may be validly asked - what does it really tell us about the merits or deficiencies of the way the hospital system, in particular, is functioning?

As increasing attention has been paid to assessments of the amounts and types of resources devoted to the hospital system, and particularly to reductions in resource levels, relatively little attention has been applied to the question of exactly what is being produced for the many millions of pounds spent on these services. While the capacity of the hospital system has been subject to significant limitations throughout the 1980s, reductions in bed numbers would seem to have been associated with reductions in lengths of stay so that the reductions in throughput and discharge levels could be kept to a minimum.

Given this background, an important question which should be raised is whether the reduced numbers of people receiving in-patient care are actually making the same, or perhaps greater, demands on the hospital system compared with the patient numbers treated in previous years. This question relates to the illness experience, or morbidity, of the patients requiring treatment by the hospital system. These issues have important implications for resource deployment and management within the hospital sector. It is not necessarily the number of patients treated within the hospital which will constitute the most important determinant of resource use within the hospital. Rather, it is the type of patients requiring treatment which will have the greatest influence on service delivery and resource needs at the hospital level. Given the limitations on public expenditure in recent years, it is becoming essential to develop a system for differentiating between hospitals in terms of the type and not just the number of patients treated, if resources are to be directed to hospitals in accordance with the needs of the patients treated.

When faced with the question of exactly what do hospitals do, many commentators make reference to the descriptive information presented here on patient numbers, bed/days, etc. Alternatively, it may be noted that hospitals produce other services like diagnostic services, such as X-rays and

pathology tests; together with therapeutic services, like pharmacy and physiotherapy. While hospitals certainly produce a great range of services, this cannot be considered as the *raison d'etre* of the hospital. Diagnostic and therapeutic services may be produced in many different types of institutions and are not exclusive to the hospital setting.

What is really at issue here is exactly what is the product of the hospital? The recognition that any precise definition of the hospital product is a difficult undertaking is not a recent phenomenon and sources identifying the problem can be traced back to the early years of this century (Codman, 1914), with more recent interest stimulated by research by Feldstein (1965), and others, on variations in hospital costs. The fact that hospitals are amongst the most complicated types of institutions may account, in part, for the delay in addressing this problem in the past.

Before any production system can be understood, we have to know what the product is. These are also prerequisites for the estimation of efficiency, the development and application of performance measures and the adoption or adaptation of effective management processes within any production system.

It is meaningless to speak of efficiency unless the inputs to the hospital system can be related to the outputs and the product of the system. It is also unreasonable to demand advanced management practices within the sector when the managers are unable to define the product.

Our task in this study, therefore, is to present and test one approach to the definition and measurement of the hospital product. The availability of such a measure should enable us to address a number of the issues raised previously, particularly the assessment of the morbidity, or illness experiences, of the people treated within the in-patient, hospital system. In Chapter II the theoretical context for this exercise is discussed and Chapter III contains a technical presentation of one operational approach to hospital product definition. Following the description of data sources and requirements in Chapter IV, an analysis of hospital activity is included in Chapter V. A methodology for relating hospital costs to hospital activity is described in Chapter VI and the results of a pilot study undertaken in a number of Irish hospitals to estimate service costs are also included in this chapter. In Chapter VII, a number of possible applications in the area of resource allocation and hospital management are presented and, finally, conclusions and recommendations emerging from the study are presented in Chapter VIII, the final chapter.

This study is concerned with acute hospitals. These are hospitals where the length of stay might be expected to be 30 days or less for most patients. It will become clear from the analysis of activity presented in the report

that lengths of stay longer than 30 days will, in fact, arise for a minority of discharges from hospitals included in the study. Those hospitals which are included in the analysis are, however, generally categorised as acute hospitals.

Private hospitals are not included in this study as they do not typically participate in the data systems which provide the basis for the analysis. For the included hospitals, no attempt is made to separate public and private patients or income sources. Apart from the fact that the information available did not allow this breakdown, the study objective here was to test a methodology for describing, quantifying and costing the complete workload of the hospital. The same methodology could, however, be applied in some future study to enable a more in-depth examination of particular segments of the hospital workload.

Chapter II

DEFINING THE HOSPITAL PRODUCT: MEASURING CASE MIX

Introduction

During the period of rapid growth within the health sector which characterised the 1970s, any concern for routine evaluation of efficiency and/or effectiveness within the system was minimal. The crisis which subsequently gripped the public finances led, however, to a rather dramatic reversal of this trend and the expansion of the 1970s was abruptly constrained by the financial controls of the 1980s, when maintenance of the health service system, at best, rather than continued expansion, became the priority.

On the basis of the review of hospital activity and expenditure presented in the previous chapter, the 1980s may be accurately characterised as a period of curtailment for the acute hospital system in Ireland. The indicators reviewed show a gradual reduction in hospital beds, discharges, length of stay, bed/days and expenditure over the period reviewed. It must be acknowledged, however, that the in-patient service is just one component of an integrated health system and the trends observed for the in-patient service may differ for other areas. Internationally, reductions in the availability and use of in-patient services have been associated with increased availability and use of alternative services, particularly outpatient and day services and we would expect that similar trends would also hold true for Ireland (Prospective Payment Assessment Commission, 1990; Pokros, et al. 1990). The focus in this study has to be restricted to the in-patient sector, however, though it is hoped in a future study to examine trends in the development of day care in more detail. The fact that this study can only examine one component of a multi-faceted system is, therefore, a limitation which must be acknowledged.

As resources have become more limited, the choices which have to be faced within our economic system have become more explicit. In the same way, the importance of ensuring that the deployment of increasingly scarce resources is both efficient and effective has been afforded greater prominence within the public health services. The problem which arises in the health sector, and also applies to many other areas within the public sector, is how these core concepts are to be measured.

Efficiency and Effectiveness

The terms efficiency and effectiveness are too often used interchangeably, and incorrectly, without regard to the important distinctions between the two concepts. While efficiency is concerned with the relationship between a standardised unit of output and the inputs required to produce that output, the definition of effectiveness implied is the ability to achieve the desired results, given the outputs produced. Figure 2.1, adapted from Fetter and Freeman (1986), portrays this distinction graphically with specific reference to the hospital sector.

It is suggested in Figure 2.1 that the application of efficiency is particularly relevant to the realm of operational decisions, while medical decisions may be measured against criteria for assessing effectiveness. The basic building blocks for the application of these concepts are *inputs*, outputs and product.

In the hospital services sector we are mainly dealing with labour (e.g., nurses, doctors) and capital (e.g., beds, equipment) as *inputs*. While the definition and measurement of inputs to the hospital system tends to be reasonably straightforward, this is not the case for the specification of the output and product of the hospital. The remainder of this chapter will be devoted to discussion of these concepts.

FIGURE 2.1 Specification of the Hospital Product

OPERATIONAL DECISIONS

MEDICAL DECISIONS

<u>INPUTS</u> <u>INTERMEDIATE</u> <u>PRODUCT</u>

OUTPUTS

Capital: Hospital Beds

Equipment

Patient Bed/Days X-Rays

Lab. Tests

Meals

Vaginal delivery
w/o complications
Kidney Transplant
Lens Procedures
Appendicectomy
w/o complicated
principal diagnosis,

age<70, w/o cc

Labour: Pharma

Pharmacists Pathologists

Nurses

EFFICIENCY

EFFECTIVENESS

Hospital Output and Hospital Product: Definition and Measurement

...the hospital's output is intrinsically difficult to define. Hospital output is a service which is less tangible than a good. It cannot be stored and examined at will, but only experienced or observed in real time. (Hornbrook, Part I, 1982, p.11)

In attempting to resolve the difficulties faced in defining the hospital's output, Hornbrook has identified three fundamental dimensions to the output of a hospital as follows: volume, case-mix, and quality (Hornbrook, 1985). While volume is straightforward and refers to the total number of patients treated by the hospital, the definition of case-mix and quality are more complex. Hornbrook defines case-mix as "the proportion of cases of each disease and health problem treated in the hospital" (1985, p.296); and quality as "the hospital's contribution to the successful outcome or resolution of patients' illnesses or health problems" (1985, p.295).

Quality of care must be of paramount importance to all concerned with the provision of hospital services and is, in itself, worthy of a complete study to investigate approaches to measurement and the development and implementation of controls to improve on prevailing standards. While recognising the importance of all dimensions of hospital output, this study will, of necessity, concentrate on one particular dimension, i.e., approaches to hospital case-mix definition and measurement.

The circumstance surrounding admission to hospital have been characterised as "extraordinary and overwhelming" whereby the patient experiences "uncertainty, pain and anxiety" such that a "considered, deliberate, rational choice process" is precluded (Hornbrook, 1982, Part I, p.12). Hornbrook concludes, therefore, that "shared experiences among consumers cannot be called upon in reaching an understanding of the nature of the hospital's product".

We must therefore return to the model presented in Figure 2.1 to provide the basis for a definition of the hospital product. Within this framework, the *hospital product* is defined as "a set of services provided to a patient as part of the treatment process controlled by his clinician" (Fetter, et al, 1980 p.2).

Discussion of an example from Figure 2.1 may prove helpful in understanding this concept. Appendicectomy, without complicated principal diagnosis, complications or comorbidity for age < 70 is presented as one product of the hospital. A surgical procedure will be required for the appendicectomy, together with X-rays, lab tests, medication, meals, laundry, patient bed/days, etc., all of which constitute intermediate outputs of the hospital. The surgical procedure, appendicectomy, in itself would not constitute the product in question because it is the combined

effect of providing all of the required intermediate outputs which achieve the objective of treating the observed appendicitis in the presenting patient in accordance with the preferred treatment process determined by the clinician concerned. The production of these intermediate outputs will, in turn, require a resource input like, for example, the pharmacists involvement in the provision of medication and the pathologists input in the provision of laboratory tests. Finally, it is worth noting that the definition of the product in this example is multi-dimensional, encompassing the nature of the procedure, the age of the patient, and the presence or absence of a complicated principal diagnosis, complications and/or comorbitites.

The relationship between the hospital output and the hospital product might therefore be summarised as follows: a hospital's outputs are many and varied; patients admitted to the hospital may receive many different outputs; because the ultimate objective of the hospital is to provide the appropriate "package" required to treat presenting problems of individual patients, each of the outputs provided may be considered as "intermediate outputs". It is the particular bundle of intermediate outputs delivered to each patient treated which constitutes the product of the hospital.

The hospital may therefore be recognised as a multiproduct firm which might, in theory, have a product line which is as diverse as the number of patients treated. The production function for each product is a multivariate function as represented in Figure 2.1. This production function may be specified as follows:

$$\underline{\mathbf{Y}} = \mathbf{f}(\underline{\mathbf{X}})$$

where \underline{Y} is the vector of outputs, and \underline{X} is the vector of inputs (Fetter and Freeman (1986)).

While not denying that individuals are unique, patients may share common clinical attributes which, in turn, gives rise to the expectation that they will receive a similar "bundle" of services as part of the therapeutic process. If classes of patients which cover all possible patient types can be differentiated, this framework constitutes the basis for a case-mix classification scheme which "provides a means for examining the products of the hospital, since patients within each class are expected to receive a similar product" (Fetter et al, 1980). The hospital product can therefore be defined by the development and application of a case-mix classification system consisting of discrete classes of patients exhibiting common clinical attributes and similar output utilisation patterns.

The complexity of both illness and the therapeutic process means that,

in turn, the development of a system for classifying case-mix is a complicated undertaking. This area of research and development is of relatively recent vintage because of the demands that the exercise makes on the technology, the expertise and the information systems available. The pre-eminence of all three factors within the US health system throughout the 1970s has meant that this system has taken a leading role in cultivating developments in this area. All of the foremost case-mix measures currently available, or in the process of development, come from the US. A brief review of the most recent developments in case-mix measurements will first be provided here before proceeding to discuss alternative approaches to case-mix measurement in more detail.

Case-Mix Measurement and Resource Management

The US Medicare programme was established in 1965 as a federally-funded health care programme for the elderly and the disabled (Title XVIII, Social Security Act, 1965). Since commencement, hospital costs within this programme have increased dramatically and consistently surpassed the inflation rate in the economy as a whole. Between 1967 and 1983, Medicare hospital expenses increased at an annual rate of 17.9 per cent, while the overall rate of inflation was 7.4 per cent during this period (Arnett III, et al, 1986).

Until 1983, in-patient hospital costs for Medicare beneficiaries were reimbursed on a retrospective reasonable cost basis. The term "reasonable cost" may be understood to refer to the direct or indirect costs of a provider which are considered "necessary and proper for the efficient delivery of needed health care services to Medicare beneficiaries" (ProPAC, April, 1985). This system lacked any incentive for cost containment or cost control as hospitals were paid on the basis of claims submitted for costs incurred in treating Medicare patients. The rapid and continuous increase in programme costs noted above is evidence of the highly inflationary nature of this reimbursement method for hospital care.

The search for an alternative approach to financing hospital care led to the adoption of the prospective payment system (PPS) within the Medicare programme in 1983 (Tax Equity and Fiscal Responsibility Act, 1982). PPS probably constitutes the most significant innovation within this health care programme since its inception in 1965. Under the Medicare PPS, a rate of payment is determined for discrete in-patient groups and discharges are reimbursed on a retrospective basis at the predetermined rate for their respective group. The prospective payment rate does not include capital costs, direct medical education costs or outpatient costs (Davis and Rhodes, 1988).

The discrete, in-patient groups on which payment rates are based are called Diagnosis Related Groups (DRGs). The DRGs constitute a case-mix classification system, and PPS was the first national programme to introduce case-mix based payment as an alternative to cost-based payment for in-patient hospital care. The DRG system was chosen as the case-mix measure to be applied within PPS because it was the most developed and the most suitable measure available at the time. Two important points about the relationship between PPS and DRGs must, however, be stressed: (1) PPS and the DRG system are independent of each other; and (2) the use of DRGs for reimbursement is just one of a number of possible applications for this case-mix measure.

If an alternative measure of case-mix was found to be a preferable alternative, the DRGs could be replaced within an ongoing prospective payment system. The operation of the DRG system within PPS is, in fact, being continually monitored and the results of a study of alternative case-mix classification systems will be reported in the next section. The development of the DRG system, the experience within PPS and possible applications outside of PPS, will be considered in greater detail later in this report. For now, it is important to recognise that the significance of the change to PPS extends far beyond the US Medicare system: PPS has demonstrated that a product-based approach to the management of hospital resources is technically and administratively feasible, in addition to providing a basis on which to measure performance and introduce incentives for improved efficiency in the deployment of hospital resources.

In the next section a number of alternative case-mix classification systems, including DRGs, will be briefly reviewed. The systems covered in this section are in various stages of development and appear consistently in studies of case-mix measures as being representative of the approaches currently being pursued within this research arena (Hornbrook, 1982, Part II; Thomas, Ashcraft and Zimmerman, 1986; Bloomrosen and Kominski, 1988).

Alternative Case-Mix Classification Systems

The introduction of PPS in 1983 was accompanied by the establishment of the Prospective Payment Assessment Commission (ProPAC). ProPAC was established as an independent body to advise the Secretary of the Department of Health and Human Services on maintaining and updating PPS. The ProPAC mandate also includes an ongoing review of the DRG system and recommendations on amendments or revisions to the system.

In keeping with this mandate, the Commission convened a technical advisory conference on alternative case-mix measurement systems in June, 1987. In addition to DRGs, the other systems reviewed by this conference

included Medisgrps, Disease Staging, Computerized Severity Index, APACHE II and Patient Management Categories. With the exception of the Computerized Severity Index, these systems were also included in an evaluation of alternative severity of illness measures conducted by Thomas, Ashcraft and Zimmerman (The University of Michigan, 1986).

The measurement objective of a case-mix classification system is an important prerequisite to understanding the particular system and the contribution which may be forthcoming from the approach adopted. The six measures considered here will be briefly described with reference to the measurement objective employed and the technique pursued. A detailed analysis of alternative case-mix measures is outside the scope of this report so this overview will, of necessity, be limited. The findings of the comparative studies conducted for these measures will be presented subsequently.

Diagnosis Related Groups (DRGs)

Fetter, Thompson and Averill (1981) provide the following overview of the Diagnosis Related Group classification system:

The fundamental purpose of the DRG approach is to identify in the acute-care setting a set of case types, each representing a class of patients with similar processes of care and a predictable package of services (or product) from an institution. (p.27)

DRG assignment is based on demographic data, diagnostic data and data on surgical procedures performed. Prior to assignment to DRG, discharges are first assigned to a Major Diagnostic Category (MDC). There are 23 MDCs, based mainly on the body system. The current version (1989) of the DRGs used within the Medicare programme is comprised of 477 groups.

Medisgrps

The Medical Illness Severity Grouping System (MEDISGRPS) was originally developed with the objective of estimating standardised morbidity and mortality rates for quality control purposes (Brewster, et al, 1985). This is an admission oriented severity grouping system which categorises patients into one of five severity groups on the basis of objective clinical findings from the medical record.

Disease Staging

The development of a more complete specification of the illness of the patient to ensure that differences in the patient's condition are not confounded with differences in the therapeutic response is presented as a starting point for the development of disease staging (Hornbrook, 1982, Part II). While the concept behind staging, in general, comes from clinical

oncology, disease staging is described as a clinically-based measure of severity which is based on aetiology and disease progression. Objective medical criteria are used to categorise diseases into four major stages of increasing severity based on system involvement of the disease and the presence of complications (Gonnella, et al, 1984)

Computerised Severity Index (CSI)

CSI was developed as a means of quantifying the difficulty of restoring a patient to health, taking account of the extent and interactions of his/her disease. Using the whole patient as the unit of analysis, the objective of CSI is the development of a five level index which can be easily applied to differentiate groups of patients which are homogeneous in terms of severity of illness (Horn, 1981).

APACHE II

The development of APACHE (Acute Physiology and Chronic Health Evaluation) was intended to facilitate an improved evaluation of the quality of medical care in intensive care units (ICUs) (Knaus, et al, 1985). The system was also intended to take account of the efficacy of specific treatment modalities used on patients who are critically ill. As a severity measure, APACHE II uses basic physiologic principles to stratify patients prognostically according to risk of death. Patients are assigned a severity score on the basis of twelve commonly available physiologic measures. Higher scores are indicative of greater severity and the maximum score on the scale is 71 points.

Patient Management Categories (PMCs)

Patient Management Categories were designed with the objective of representing clinically specific types of patients, each of which requires a distinct diagnostic and treatment strategy to ensure effective care (Young, 1984). Originally, PMCs were normatively specified by panels of physicians. The computerized approach to PMC assignment is a two stage process involving, first of all, assignment to up to five disease modules and, secondly, comparison of the diagnoses and procedures against those specified by the PMC software to enable final assignment to a PMC.

Evaluation of Alternative Case-Mix Classification Systems

One of the most important findings of The University of Michigan study (Thomas, et al, 1986) was that none of the other classification systems reviewed (including Medisgrps, Disease Staging, APACHE II and Patient Management Categories) performed as well as DRGs in terms of

prediction of patient resource use. When criteria other than ability to predict costs were assessed, this study found that in certain cases some of the options when used alone, or in conjunction with the DRG system, performed better than the exclusive use of the DRG system.

In the 1987 (April) Report of the Prospective Payment Assessment Commission, the principal approaches adopted for improving the measurement of case-mix within PPS are outlined as follows (p.63):

- 1. Retaining the current system but revising it incrementally as problems emerge;
- 2. Retaining the system in principle but reconstructing it using newer, more complete, data bases; and
- 3. Implementing an alternative system, either in conjunction with DRGs or to replace DRGs.

To date, the Commission has pursued the first approach i.e., retaining the current DRG system within PPS, but revising it incrementally as problems emerge. The conclusions of a Technical Advisory Conference convened in June, 1988 to evaluate the case-mix measures described in the previous section, support the continued pursuit of this approach. Conference participants agreed that "no system meets the multiple objectives of payment refinement, quality assurance monitoring, cost containment, and hospital management" (p.4) and the Commission concluded that "it is premature to recommend major DRG reconstruction or implementation of one of the alternative systems for Medicare payment" (Bloomrosen and Kominski, 1988, p.1).

The conference findings therefore corroborate the Commission's statement in the 1987 report that "it is unclear if any of the systems using existing discharge data significantly improves case-mix measurement" (ProPAC, April, 1987, p.67). In a subsequent annual report, the Commission offer continued support for the conclusion that "diagnosis-related groups (DRGs) are the most appropriate available measure of hospital case-mix for PPS" (ProPAC, April, 1988, p.3).

CONCLUSION

In this chapter, one approach to defining and measuring hospital output and product was outlined. This approach highlighted the importance of the availability of a comprehensive case-mix measure to the successful achievement of this objective. A number of approaches to case-mix measurement were briefly described and the results of a number of comparative studies of alternative case-mix classification techniques reported.

Given the results of studies reported, which identified the strengths of

the Diagnosis Related Group (DRG) approach relative to other available techniques, combined with the fact that this system is the case-mix measure which has been used as the basis for payment within a national health care programme in the United States since 1983, it was decided to proceed with a test of the DRG technique on Irish data. The decision to proceed with this test was further supported by the weight of accumulating evidence on the importance of integrating case-mix measurement within approaches to resource deployment and management in the hospital system.

In recognising the integral importance of case-mix measurement in any approach to hospital product definition, two core objectives for proceeding with this pilot exercise of case-mix measurement can be immediately identified: (1) to test the technical feasibility of using an advanced case-mix measure like DRGs on Irish data; and (2) to assess the potential which DRGs might offer as a resource management tool within the Irish hospital system. The DRG system is discussed in greater depth in the following chapter.

Chapter III

DIAGNOSIS RELATED GROUPS: DEVELOPMENT AND CONSTRUCTION OF AN OPERATIONAL CASE-MIX MEASURE

The Diagnosis Related Group (DRG) patient classification system was developed by the Health Systems Management Group at the Yale School of Organisation and Management in the late 1960s. The original motivation was provided by the need to develop operational techniques for utilisation review.² This objective was in keeping with the emphasis, at the time, on the development of more rational planning models for application within the hospital sector. The need to develop a means of making an explicit link between the clinical characteristics of patients and their use of hospital resources was recognised as an essential prerequisite to the evaluation of the appropriateness of service utilisation within the hospital setting (McMahon, 1984).

Attributes of a Case-Mix Classification System

In developing a classification system for the definition of case types within the acute hospital setting, the following attributes were specified for the system (Fetter et al., 1980):

- 1. The system must be interpretable medically, with subclasses of patients from homogeneous diagnostic categories;
- 2. Individual patient classes should be defined on variables commonly found on hospital abstract systems and relevant to output utilisation;
- 3. The number of classes in the system must be manageable, mutually exclusive and exhaustive;
- 4. The classes should be constituted by patients with similar expected measures of output utilisation;
- 5. Class definitions should be comparable across different coding schemes.

²Utilisation Review refers to the formal process of checks put in place to ensure that care delivery and the associated treatment costs are reasonable and necessary. This process may involve comparisons between individual doctors or hospitals, and between treatment styles and costs for the same type of case. While utilisation review may be undertaken within a number of different types of organisation, Peer Review Organisations were set up specifically for this purpose within the Medicare programme.

Variable Specification and Measurement

The independent variables used for the purpose of specifying a system to achieve these objectives were selected to be descriptive of the patient, the patient's disease condition and the treatment process. In addition, it was considered essential that information relating to the selected variables should be easily available on discharge abstract summaries if the resultant system was to be available for general application.

The initial stages of the analyses identified a number of variables which, in descriptive studies of hospital activity, had been found to be associated with variations in length of stay and other resource use measures (Fetter, et al, 1980). Ultimately, a set of independent variables were identified as representing the essential demographic and clinical attributes of in-patients. These variables include the following: primary diagnosis, secondary diagnoses, surgical procedures performed, age, sex and discharge status.

We have seen from the previous chapter that the measurement of the output of the hospital is a complicated undertaking. For the purpose of defining an accurate and acceptable measure of hospital case mix, a measure of hospital output had to be incorporated into the development process.

To place the choice of output measure for the purpose of case-mix measurement in context, it may be useful at this point to consider the hierarchy of hospital output classification schemes constructed by Hornbrook (Part I, 1982) which is presented in Figure 3.1. This hierarchy

FIGURE 3.1

HIERARCHY OF HOSPITAL OUTPUT CLASSIFICATION SCHEMES

ISO-VALUE GROUPS
CASES HOMOGENEOUS WITH RESPECT TO SOCIAL VALUE

ISO-OUT COME GROUPS
CASES HOMOGENEOUS WITH RESPECT TO HEALTH STATUS

ISO-RESOURCE GROUPS
CASES HOMOGENEOUS WITH RESPECT TO RESOURCE USE

ISO-ILLNESS GROUPS
CASES HOMOGENEOUS WITH RESPECT TO ILLNESS

ISO-DISEASE GROUPS
CASES HOMOGENEOUS WITH RESPECT TO PRIMARY DIAGNOSIS

ISO-SYMPTOM GROUPS
CASES HOMOGENEOUS WITH RESPECT TO SYMPTOMS PRESENT
Source: Hornbrook (Part 1, 1982)

follows the sequence of the medical care process and begins with iso-symptom groups, progressing through to iso-disease groups and iso-illness groups. When iso-illness groups are collapsed into classes which are homogeneous in terms of the level of resources used in treatment, iso-resource groups are produced. The DRG system fits into this category as homogeneity with respect to clinical attributes is an essential prerequisite for class determination, with the additional expectation that resource use at the group level will also be relatively homogeneous.³

For the development of the iso-resource groups, or DRGs, limitations on data availability meant that the options available for choosing an appropriate dependent variable were restricted. While costs may be a most desirable measure of output, accurate and comprehensive data on costs for a representative sample of hospitals are notoriously difficult to obtain. Even where cost data are available, it can be very difficult to interpret because of variations in the method of collection and estimation.

These data problems led to the Yale researchers choosing length of stay (LOS) as the measure of output to be used as the dependent variable (Fetter, et al., 1980). Length of stay, as a measure of output, has the advantage of being standardised, reliable and routinely available on discharge abstract summaries. Further justification for the use of LOS as an output measure is derived from findings by Luke (1979) that length of stay is highly correlated with total patient charges, and Lave and Leinhardt (1976) finding significant correlation between length of stay and case-mix complexity. In addition, length of stay and ancillary service use have been found to be significantly interrelated for a number of common medical and surgical conditions (Hornbrook and Goldfarb, 1981, Goldfarb et al., 1983).

Data Base for DRG Construction

A data base of 700,000 hospital records from New Jersey and Connecticut was used as the basis for the development of the initial DRGs. Prior to 1979 the coding systems used for diagnostic information and surgical procedures in US hospitals were ICDA-8 and HICDA-2. The initial set of 383 DRGs was therefore based on the ICDA-8 and HICDA-2 coding schemes. This set of DRGs was tested in a hospital payment demonstration project undertaken in New Jersey in the late 1970s.⁴

³Iso-outcome groups are concerned with patient health status and iso-value groups are based on social welfare considerations. While obviously addressing the very essence of the health care system, the development and application of these two latter measures is outside the scope of this study.

⁴New Jersey subsequently adopted a statewide prospective payment system for all acute care hospitals and all payers, recognizing differences in hospital case mix as measured by DRGs (Vladeck, 1984).

In 1979 all US hospitals converted their discharge abstract coding from ICDA-8 and HICDA-2 to the 9th revision of the International Classification of Diseases, Clinical Modification version (ICD-9-CM). This change in coding practice, combined with the experience from the New Jersey demonstration project, necessitated a revision of the initial DRGs.

In 1979, the Yale research team was awarded a contract by the Health Care Financing Administration to develop the ICD-9-CM based DRGs (The New ICD-9-CM Diagnosis Related Groups (DRGs) Classification Scheme, Final Report, 1982). For this exercise, a data base of 400,000 records was selected from a total of 1.4 million records representing US acute care hospitals. An additional 335,000 records were added to this data base from the New Jersey hospitals. This project produced the revised set of DRGs, consisting of 467 categories which were accepted as the Medicare DRGs in 1983. Since 1983 the Medicare DRGs have been subject to annual updates and revisions to take account of changes in medical technology and service provision and also to correct for any inadequacies identified within the system. With these revisions, the number of DRGs currently within the Medicare system has grown to 477 groups.

The DRG Assignment Process

In developing a classification system with the required attributes, three key inputs were required: physician review, efficient information systems and statistical algorithms. The objective of ensuring that the patient groups formed by the classification process were medically meaningful was the responsibility of panels of physicians established for this purpose.

The technology used to do the actual grouping had to have an interactive basis to accommodate continuous physician involvement in the grouping process. A grouping system, called AUTOGRP, was developed for this purpose. AUTOGRP is an interactive system which can process large data bases efficiently and allows the partitioning of hospital discharge data into homogeneous groups based on an assessment of both clinical characteristics and a specified measure of resource consumption (Mills, et al., 1976).

Statistically, the methodology required had to facilitate the estimation of the interrelationships between selected independent variables and the dependent variable, which was the specified measure of output. A variation of the Automated Interaction Detector (AID) method previously applied by Sonquist and Morgan (1964) was selected for this purpose. The application of this methodology allowed the recursive subdivision of the observations through binary splits into subgroups based on the values of selected variables which maximised variance reduction or minimised the

predictive error of the dependent variable (Fetter, et al, 1980). The subgroups are called terminal groups when they cannot be further subdivided and each observation can only be assigned to one terminal group. The predicted value for the observation will be close to the mean of the terminal group. The relationship may be represented as follows (Fetter, Thompson and Averill, 1981 p.34):

$$Y_{kj} = \overline{Y}_k + e_{kj}$$

where

 \overline{Y}_k is the mean for all members in the kth group,

 e_{kj} is the error in using Y_k to predict or estimate Y_{kj} , the value of the dependent variable for the jth observation within the kth group.

On the basis of this statistical approach, the following four step process was developed for the purpose of DRG assignment:

Step 1: Hospital discharges are partitioned into mutually exclusive and exhaustive primary diagnostic groupings called *Major Diagnostic Categories* (MDCs). The MDCs were specified under the following conditions (Fetter, et al, 1980):

- Major Diagnostic Categories must be consistent with regard to the anatomic, physiopathologic classification, or in the manner in which they are clinically managed;
- Major Diagnostic Categories must have sufficient numbers of patients; and
- 3. Major Diagnostic Categories must cover all codes without overlap.

While the original version of the DRGs had 83 Major Diagnostic Categories, the revised version has 23 MDCs. The MDCs are listed in Figure 3.2. It will be apparent that this classification is primarily based on the organ system or the specialty which would usually provide patient care. The exceptions are MDC 12 (Diseases and Disorders of the Male Reproductive System) and MDC 13 (Diseases and Disorders of the Female Reproductive System) where urogenital conditions are split on the basis of the sex of the patient.

Step 2: Where relevant, discharges within the Major Diagnostic Category are subdivided according to whether or not a surgical procedure was performed. For specific MDCs, there are some exceptions to this initial major procedure split, for example, MDC 14 (pregnancy, child birth and the puerperium) where the initial split is "delivery during this admission".

FIGURE 3.2

MAJOR DIAGNOSTIC CATEGORY

01	Diseases and Disorders of the Nervous System
02	Diseases and Disorders of the Eye
03	Diseases and Disorders of the Ear, Nose and Throat
04	Diseases and Disorders of the Respiratory System
05	Diseases and Disorders of the Circulatory System
06	Diseases and Disorders of the Digestive System
07	Diseases and Disorders of the Hepatobiliary System and Pancreas
08	Diseases and Disorders of the Musculoskeletal System and Connective Tissue
09	Diseases and Disorders of the Skin, Subcutaneous Tissue and Breast
10	Endocrine, Nutritional, and Metabolic Diseases and Disorders
11	Diseases and Disorders of the Kidney and Urinary Tract
12	Diseases and Disorders of the Male Reproductive System
13	Diseases and Disorders of the Female Reproductive System
14	Pregnancy, Childbirth and the Puerperium
15	Newborns and Other Neonates with Conditions Originating in the Perinatal Period
16	Diseases and Disorders of the Blood and Blood-Forming Organs and Immunological Disorders
17	Myeloproliferative Diseases and Disorders, Poorly Differentiated Neoplasms
18	Infectious and Parasitic Diseases (Systemic or Unspecified Sites)
19	Mental Diseases and Disorders
20	Substance Use and Substance Induced Organic Mental Disorders
21	Injury, Poisoning and Toxic Effects of Drugs
22	Burns

23 Factors influencing Health Status and Other Contacts with Health

Services

Step 3: Coming into this level, there are two groups within most MDCs - the medical group and the surgical group. During this stage, the medical patients are further subdivided into categories based on their principal diagnosis. Surgical patients are categorised according to the procedures performed. The procedures, in turn, are ranked in terms of resource intensity. Surgical patients are categorised into subgroups on the basis of the most resource intensive procedure received which is related to the primary diagnosis.

Step 4: The final stage in the classification involves the derivation of additional diagnostic or surgical subgroups on the basis of age, specific secondary diagnoses, comorbidities or complications, non-operating room procedures and discharge status where these variables have been found to have a significant effect on length of stay. The decision on whether or not to further divide any subgroup based on these variables was made with reference to the following conditions: partitioning ceased when the number of observations in the subgroup was less than 100, or, none of the variables reduced the unexplained variation by at least 1 per cent (Fetter, et al., 1980).

To aid in understanding this process, Figure 3.3 outlines the subgroup classification for MDC 13: Diseases and Disorders of the Female Reproductive System. For MDC 13 it is clear that the surgical procedures are grouped in rank order according to the hierarchy of resource use. Within the surgical groups, variables such as a diagnosis of malignancy which are both clinically meaningful and statistically significant in terms of resource use result in further within group splits (e.g. DRGs 357, 358, 359). The medical groups are clearly defined in terms of principal diagnosis here. Within this MDC, a composite variable "Age>70 and/or CC (complication/comorbidity)" causes a number of within group splits where the joint conditions of clinical and statistical significance are satisfied.

CONCLUSION

This chapter is intended to provide an overview of the development and construction of the DRG system as an operational case-mix measure. An exhaustive account of all modifications to the system since it was originally developed is outside the scope of this review. A comprehensive overview of changes and adaptations to the system since it was adopted for use by the Medicare programme can be found in McGuire (1990).

Figure 3.3

Major Diagnostic Category 13:
Diseases and Disorders of the Female Reproductive System

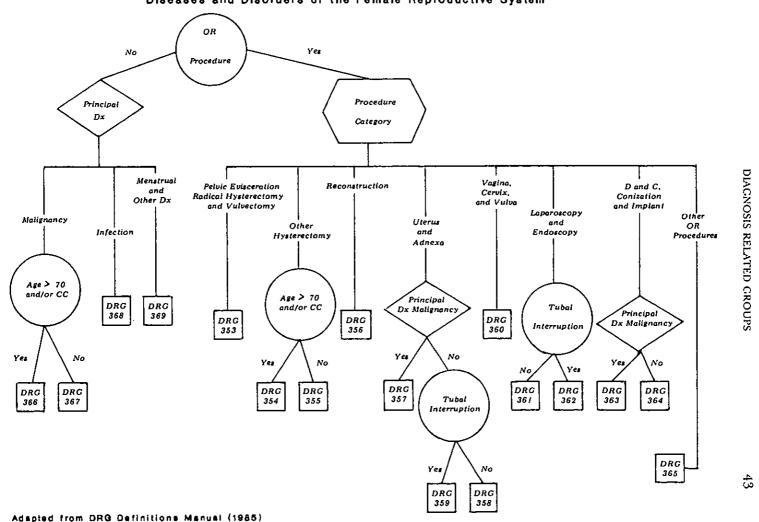
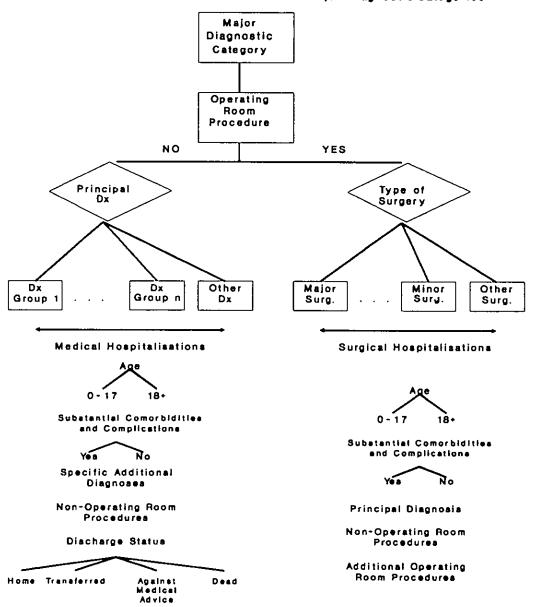


Figure 3.4

Structure of the DRG Classification within Major Diagnostic Categories •



· Structure according to the fourth revision of the DRGs

The Medicare annual updates have resulted in a number of substantial modifications which must be considered in any decision relating to the use of DRGs. For the Irish experiment with DRGs, it was decided to use that version of the system which most closely resembled the system as it was originally developed, prior to any major Medicare modifications. The DRG Grouper Version 3.0 comprising 467 DRGs was therefore used for the Irish experiment, and the list of DRGs relevant to this version is attached in Appendix 1.

This review of DRG development would not, however, be complete without noting a major research effort completed in 1989 directed at developing a fundamental revision of the DRG system (Health Systems Management Group, 1989). This project was concerned with developing the "Refined DRGs" to take specific account of substantial comorbidities and complications. The proposed structure for the refined DRGs within the MDC is outlined in Figure 3.4. The refined DRGs are, however, still at the research stage and have not been adopted for implementation by Medicare at this time.

In proceeding with the Irish DRG experiment, a number of technical issues had to be addressed. These issues mainly concerned data availability and the use of particular coding schemes for diagnoses and procedures within the Irish system. These issues will be discussed in detail in the next chapter.

Chapter IV

HOSPITAL ACTIVITY: REVIEW AND EVALUATION OF DATA SOURCES

There are two principle sources of data on acute hospital discharges in Ireland: (1) the Hospital In-Patient Enquiry Scheme (HIPE) and (2) the Perinatal Reporting System (PRS).⁵ While both schemes are national schemes, they function independently so they will be described separately.

The Hospital In-Patient Enquiry Scheme

The Hospital In-Patient Enquiry Scheme (HIPE) was established by the Medico-Social Research Board (now the Health Research Board) in 1972 and has continued to operate to date, with the Department of Health taking over responsibility for the scheme from January 1989. This scheme collects data on hospital discharges and maintains a national data base of discharge summaries. It is the only source of morbidity data for acute hospital services available at the national level in Ireland.

Data Collected by the HIPE Scheme

The data collected by the HIPE Scheme can be logically grouped into demographic data, diagnostic data and data on procedures performed. Additional descriptors concerned with the hospital stay are also collected. The basic form used for collecting the HIPE data is included, for information, in Appendix 2.

What is immediately relevant here, however, is the information collected and used for the DRG analysis and this will be described in greatest detail. As described in the previous chapter, the following data are required for DRG assignment: principal diagnosis, secondary diagnoses, procedures performed, age, sex and discharge status. Length of stay is most often used as a measure of resource use. All of these data elements are available on the HIPE data base.

⁵Additional information on specific types of hospital discharges also exists, for example, The Psychiatric In-Patient Reporting Scheme. Our concern in this study is, however, limited to the acute hospital sector. As the Hospital In-Patient Enquiry and the Perinatal Reporting System provide close to comprehensive coverage of acute hospital discharges, these schemes constitute the primary sources for activity data for this study.

Coding Requirements for the DRG Analysis of HIPE Data

Availability of the required data, in itself, is not sufficient to guarantee success with the DRG assignment process. The data must also be coded in a way which is acceptable to the assignment software, known as the DRG Grouper. The coding of age and sex are straightforward and acceptable for grouping purposes. A relatively minor adaptation for the discharge codes was required to fit the standardised assignment framework.⁶

It was noted in the previous chapter that the DRGs are now based on ICD-9-CM, the clinical modification version of ICD-9 which was developed for use in the US for coding both diagnoses and procedures. Up to the end of 1989, two different coding schemes were in use in Ireland for coding both diagnoses and procedures. The 9th revision of the International Classification of Diseases was used for coding diagnoses and the Classification of Surgical Procedures (3rd edition) produced by the Office of Population Censuses and Surveys (OPCS) was used to code procedures. With effect from January 1, 1990, both of these coding schemes have been replaced and ICD-9-CM has been adopted for coding both diagnoses and procedures within the HIPE. While this will ensure compatibility with the DRG Grouper from 1990 onwards, the fact that different coding schemes were in use in the 1980s meant that a significant challenge faced in using HIPE data for the DRG analysis was in achieving compatibility for the diagnostic and procedure codes used locally over the period covered by the data analysis.

We were not alone in Ireland in facing this problem as other European countries attempting a similar task also had to cope with the problem presented by incompatible coding schemes. While ICD-9 has been in use in a majority of European countries for coding dignoses, there is a great variety of schemes in use for coding procedures (Rodrigues, et al, 1988, Wiley, 1990A). In recent years, however, ICD-9-CM has been adopted for use in a number of countries, including Spain, Portugal and Belgium where ICD-9-CM is in use for coding diagnoses and procedures and the Netherlands where diagnoses are coded in ICD-9-CM and Italy where this scheme is used for coding procedures (Wiley, 1990A).

	HIPE	DRG Grouper
Self discharge	0	07
Home	1	01
Convalescent home or long-stay	2	03
Other hospital	3	02
Died — post mortem	6	20
Died — no post mortem	7	20

In Ireland, together with the countries concerned, a number of options emerged as possible solutions to the problem presented by the incompatibility between coding schemes in use locally and the requirements of the DRG Grouper software (Rodrigues, et al., 1988). In listing these options here, the factors determining acceptance or rejection of the solutions proposed will also be presented:

1. Redefine the DRGs on the basis of the coding schemes used in Ireland.

For a number of reasons, this option was considered to be impractical for the purposes of this study. The resource requirements needed to attempt such a major task were considered to be prohibitive within the context of the present project. The scarcity of the expertise needed to undertake such an exercise would be a particular problem in an Irish context. Finally, a serious problem with this approach is that standardisation and comparability across systems could be lost. An important advantage of using the Yale DRG Grouper is that it allows a comparison of "like with like". DRG definitions must be standardised if comparisons across hospitals, regions or countries, are to be accepted as valid and meaningful.

2. Change Irish coding practices to use ICD-9-CM for both diagnoses and procedures.

For this study, we were interested in using the data base which had already been collected and coded. This option was therefore not feasible as it would have required recoding a very large data base. While such an exercise would have been prohibitive in terms of resource requirements, it is also likely that problems of accuracy and validity would have arisen because of the inability to access the original data sources. It has been noted above that ICD-9-CM was subsequently adopted for use in Ireland so the relevant HIPE data from January 1990 will be coded accordingly.

3. Map the ICD-9 and OPCS codes into ICD-9-CM

A mapping to ICD-9-CM from ICD-9 diagnostic codes and local procedure codes was developed by the Yale School of Organisation and Management. This option was finally chosen as the most feasible, in addition to being the option which has been the most widely tested and validated in other countries. In addition to being used in Ireland, this mapping procedure has been used successfully in a number of countries, including the Nordic countries, England, Wales, France, Switzerland and the Netherlands (Rodrigues, 1987, Wiley, 1990A).

There are a number of clear advantages in adopting the strategy of mapping from local codes to ICD-9-CM. Ease of application is obviously important. The mapping procedure was computerised which meant that manual recoding of data was unnecessary. A major advantage of pursuing

this option was that standardisation and comparability are maintained within the DRG system. This factor was the subject of a recent study by Reid (1990), which supported the approach and concluded that "using mapped data for the allocation of DRGs gives a good result. The definitions of the DRGs will be different in a few cases using mapped data, however, the DRGs are just as homogeneous using mapped data as the US DRGs." (Reid, 1990, p.17)

After mapping the codes into ICD-9-CM, discharges are successfully assigned to DRGs using the DRG Grouper. The results of any subsequent DRG-based analysis can then be used for inter-hospital, inter-region or inter-country comparison on the understanding that the DRG definitions are standardised and consistent at all points of comparison.

Operation of the HIPE Scheme

The HIPE data are collected on a standard form supplied to hospitals by the Health Research Board (HRB). The instruction manual and training for coding staff is also provided by the HRB.⁷

The data requirements for the HIPE are supposed to be completed and returned to the HRB for all patients discharged from participating hospitals. Individual patient confidentiality is maintained within the HIPE as patient name is never entered on the masterfile. While the HIPE data are collected manually at the hospital level, validation and checking is undertaken centrally by the HRB. Errors are returned to the hospitals for correction and validated returns are finally entered on the HIPE masterfile.

In recent years, a number of hospitals have begun to collect the HIPE data in computer form as a by-product of computerised patient administration systems (PAS). This approach has the advantage of reducing the demands on clerical staff, where the data required for the HIPE returns can be downloaded from the hospital's PAS and duplication at the hospital level in the collection of the same data within separate information systems is avoided. This approach has the potential for improving the timeliness and the response rate for submitting the completed returns.

In recognising the advantages of a computerised system for collecting the HIPE data, the Department of Health, in collaboration with the ESRI and the HRB embarked upon the process of developing and implementing a "Hospital Activity Data Capture System" (HADCS) at the beginning of

⁷From December, 1989, The Economic and Social Research Institute (ESRI) has been contracted by the Department of Health to conduct the data processing for the HIPE and to undertake training for coders using ICD-9-CM.

1988. This system is currently in use in a number of hospitals. The software replicates the current HIPE system and has the added advantage that the validation checks are built into the HADCS. This means that validation checks can be undertaken when the data are first entered and corrections made as required, thus reducing the delays encountered when errors must await detection centrally and have to be returned to the hospital for correction. When the HIPE data are entered and checked on the HADCS, the facility exists for direct transmission of the data to the masterfile. As in the manual system, patient name is never entered in the masterfile to ensure that patient confidentiality will be preserved. An added advantage of a computerised system is that the HIPE data should be immediately available to the hospital staff for internal use when data entry has been completed.

Weaknesses

The HIPE is the only source of morbidity data for acute discharges from public hospitals available in Ireland. As such, the system should provide a very valuable source of information for all concerned with the funding, delivery, organisation and management of acute hospital services in this country.

There are, however, a number of problems with the operation of the scheme, most of which are well known to people working with, and within, the system. The HIPE is a labour-intensive system which, to date, has had limited use with the result that it has been particularly vulnerable in times of resource constraint. The principal problem areas are related to coverage, timeliness, access and quality.

Coverage

It is estimated that the HIPE is running at approximately 84 per cent coverage of discharges from public hospitals of county status or higher (The Medico-Social Research Board, 1986). While the ultimate objective continues to be 100 per cent coverage, the present level is considered acceptable by European standards (Rodrigues, et al., 1988). The 15 per cent not currently covered may be attributed to the following factors: (1) the non-participation of two significant county hospitals due to historical reasons/resource constraints; (2) the non-participation of a number of hospital consultants who retain the right to refuse participation in the scheme; and (3) low response rates in a small number of significant hospitals. In the context of the future development of this system, every effort should be made to achieve comprehensive coverage of all acute hospital discharges.

Timeliness

This is problematic where hospitals are not committed to full participation in the system and/or the system continues to be operated on a manual basis. While computerisation offers the potential for speeding up the process of collecting and transmitting data, commitment to the system is essential if the technology is to be used to full advantage. Ideally, a turn around time of approximately two to three months after discharge should be the objective for completing returns. In reality, however, very few hospitals achieve this goal. If data are not current, then obviously there are implications for the usefulness of the data. Many hospitals do maintain a HIPE system which is reasonably current and this should be the objective for all hospitals.

Validation

While validation checks currently carried out on the data are useful, it is recognised that they need to be reviewed and updated. In addition, a system of quality reviews needs to be instituted to assess the data at source and ensure that accurate data are collected on the system.

Access

Access to the HIPE data is currently cumbersome for many actual or prospective users. The availability of the data on a computer system at the hospital level will obviously make access easier for medical personnel and management locally. While safeguards need to be maintained to ensure that unauthorised use of the data is prevented and patient confidentiality is ensured, it is essential that an appropriate balance is achieved to facilitate ease of access to the data by legitimate users.

All of these factors should be seriously addressed in any upgrading of the HIPE system aimed at ensuring that all discharges are accurately recorded within the system in a timely and efficient manner.

The Perinatal Reporting System

The Perinatal Reporting System (PRS) has been undertaken by the Department of Health since 1981. The extension of the scheme into a comprehensive national system took place gradually between the years 1981 and 1984. In 1984, coverage reached the 94 per cent level, and coverage has approached 100 per cent in all subsequent years.

The primary aim of the perinatal reporting system is:

....to provide national statistical tables on perinatal events and more specifically to describe fundamental social and biological characteristics of mothers and their babies, to highlight some important aspects of care, and to report on the outcomes of pregnancies, including perinatal mortality (Department of Health, *Perinatal Statistics 1984*, 1987, p.7)

Data Collected by the PRS

Detailed data on the hospital stay, demographic characteristics and morbidity of both mother and baby, together with method of delivery, are collected by the scheme. A copy of the PRS form is included in Appendix 2 for information. All necessary information for DRG assignment of both the mother and the baby are collected within the PRS.

While diagnostic data for mother and baby are coded in ICD-9, the method of delivery is coded on the basis of a seven point scale which is unique to the PRS.⁸ This coding scheme was not acceptable for grouping by DRG so the scale had to be converted to ICD-9-CM. The diagnostic codes were also mapped from ICD-9 to ICD-9-CM for grouping purposes. Following the code conversions, the PRS discharges could be successfully assigned to the appropriate MDC and DRG. Within the DRG classification system, the mother is assigned to the relevant DRG within MDC 14: Pregnancy, Childbirth and Puerperium, and the baby is assigned to the relevant DRG within MDC 15: Newborns and Other Neonates with Conditions Originating in the Perinatal Period.

Operation of the PRS

The PRS return consists of one part of a four-part form used for the registration and notification of births. This form is distributed as follows: Part I is sent by the hospital to the Registrar of Births; Part II is sent to the Director of Community Care and Medical Officer of Health in the area of residence of the mother; Part III has all personal identifying information deleted and is sent to the Department of Health for inclusion within the PRS system; and finally, Part IV is retained by the hospital.

This operational framework has important implications for both coverage and confidentiality. Because the PRS form has been incorporated into the birth registration procedure, comprehensive coverage within the

⁸Coding scheme for Method of Delivery within the PRS:

I = Spontaneous

^{2 =} Breech (with or without forceps)

^{3 =} Forceps extraction

^{4 =} Vacuum extraction

^{5 =} Caesarian section

^{6 =} other methods

^{9 =} not specified

scheme has been greatly facilitated. This association has also helped to encourage confidence in the quality of the data base. Preservation of individual confidentiality within any national information system must always be recognised as a priority. This has also been successfully accomplished within the PRS by the use of an instrument which blanks out personal identifiers at the reporting stage.

Overlap and Gaps Between the PRS and the HIPE

As the HIPE operates in general hospitals it is almost inevitable that in some cases births are entered into the system. Having achieved full coverage, however, the PRS is accepted as the primary data source on maternity. To avoid duplication of maternity activity, births are therefore excluded from the HIPE and the PRS is used as the only source of data on maternity for the analysis undertaken in this study.

While births may be reported on both systems, there is the possibility that some gynaecology cases may actually be missed altogether. An increasing proportion of the workload in gynaecology now seems to be undertaken in the maternity hospitals. The HIPE system does not cover all of the maternity hospitals and the PRS does not collect information on gynaecology activity, with the result that there is a likelihood that this area of activity is being under-reported in this country. This factor should be taken into account when reviewing the activity analysis for this specialty. The gaps and the overlaps should also be addressed by facilitating greater co-ordination between the two systems.

Weaknesses Within the PRS

Two principal weaknesses must be acknowledged for the PRS. The first relates to timeliness and the turn around time on the availability of the data. While there is some variability, it can take up to 18 months before data are available. Any routine data system which is collected manually can be expected to suffer delays at many stages, for example, submitting and coding forms, data input, data processing, error correction, etc. The expansion of computerisation within the system would be expected to eliminate some of the possibilities for delay on data availability.

The second weakness arises where some discrepancies occur in results issued by the Department of Health and the Central Statistics Office because definitions and coding procedures used are not always identical (Department of Health, *Perinatal Statistics 1984*, 1987). These discrepancies are being addressed as part of the development of the system. To ensure consistency, the Department of Health file is used in all analyses of the PRS undertaken for this study.

CONCLUSION

We are fortunate in Ireland in having a national discharge abstract reporting scheme which meant that this study could be undertaken without an original data collection effort for hospital activity. Despite the shortcomings noted above, the existence of the HIPE and the PRS meant that the study of hospital activity in Ireland could commence at a more advanced level. This contrasts favourably with the situation found in countries like France, Belgium, Spain and Portugal where national discharge abstract systems had to be developed in parallel with attempts to study hospital case mix (Rodrigues, et al., 1988, Wiley, 1990A). Between the HIPE and the PRS we have close to comprehensive coverage of all discharges from acute general hospitals and maternity hospitals.

While acknowledging the advantage offered by the existence of both the HIPE and the PRS, it is recognised that these systems could be improved in the areas of *timeliness*, *coverage*, *access* and *data quality*. These issues will have to be addressed if the systems are to constitute the basis for the ongoing assessment of hospital activity.

In the interim, however, the value of these data must be fully explored and appreciated. The analyses of the HIPE conducted for this study was the most far-reaching ever conducted for the scheme and, as such, constituted a means of learning more about the scheme as well as the technique. The results of this analysis of hospital activity data reported for the HIPE and PRS data will be presented in the next chapter.

Chapter V

HOSPITAL ACTIVITY ANALYSIS BY DRG

Introduction

The analysis presented in Chapter I shows that average length of stay, and the use of hospital bed-days in Ireland declined substantially over the 1980-1988 period. An important question which arises from the trends observed is whether this reduction in bed-day use and average duration of stay was constant for all hospitals and for all case types. In attempting to understand the implications of these trends for the management of hospital resources, it is important to address the issue of case-mix measurement and variation within the hospital system. To begin to address this question, a case-mix analysis of acute hospital activity, using the DRG classification framework, was undertaken for a five year period from 1984 to 1988, inclusive.

DRG Assignment

The discharge data from the acute hospitals recorded on the Hospital In-patient Enquiry (HIPE) had to be merged with the Perinatal Reporting System (PRS) to provide a comprehensive data base of acute in-patient discharges⁹.

Due to the coding practices in operation in Ireland, as discussed in the previous chapter, DRG assignment had to be undertaken as part of a two stage process. The first stage may be called the "Mapping Stage" and involved the translation of the ICD-9 diagnostic codes and the OPCS procedure codes into ICD-9-CM. DRG assignment then took place at the second stage.

Records which have an operating room (OR) procedure which is unrelated to the principal diagnosis (dx), or which have an invalid principal diagnosis, or which are considered ungroupable for other reasons are assigned to one of three residual groups - DRGs 468, 469 or 470. The proportion of cases assigned to these DRGs is therefore a useful

⁹Data for the Perinatal Reporting System were unavailable for 1987 and 1988 so the analysis for this period had to be applied exclusively to the Hospital In-Patient Enquiry data. The interpretation of the analysis for 1987 and 1988 must therefore be undertaken with care as data on hospital births are not included in the analysis for these years.

check on both the quality of the data and the technique applied. The number of discharges processed, together with the proportion assigned to each of the residual groups (DRGs 468-470) is shown in Table 5.1 for the five years in the analysis.

Table 5.1: Number of Cases Grouped by DRG and Assignment to DRGs 468 and 470: 1984-1988

	1984	1985	1986	1987	1988
Number of Cases	530,776	525,641	517,249	341,766*	326,710*
DRG 468: Unrelated OR	4,079	4,037	3,960	3,953*	3,486*
Procedure	(0.8%)	(0.8%)	(0.8%)	(1.1%)	(1.1%)
DRG 470:	1,182	1,192	540	372*	420*
Ungroupable	(0.2%)	(0.2%)	(0.1%)	(0.1%)	(0.1%)
Combined					
Total	5,261	5,229	4,500	4,325*	3,906*
for DRGS 468,470	(1.0%)	(1.0%)	(0.9%)	(1.3%)	(1.2%)

^{*} Excludes Births

For each year of study from 1984 to 1988, there were no cases assigned to DRG 469. For DRGs 468 and 470, the number of cases assigned dropped consistently from 1984 to 1988, with the proportion of cases in this category remaining at approximately 1.0 per cent over the period. The 1.0 per cent level actually dropped in 1986, a trend which would be expected to be maintained into 1987 and 1988 except for the fact that the total number of cases for these years was reduced because data on births were not available. This means that close to 99 per cent of cases were successfully assigned to one of the 467 DRGs for each of the five years analysed.

To place these results in context, it is worth noting the findings of a recent comparative study based on a DRG-based case-mix analysis of hospitals covering 14 regions/states in nine countries, including Ireland (Palmer, et al., 1989). The proportion of cases found in DRG 470 (Ungroupable) for Ireland was smallest compared with regions covered in Norway, Sweden, Finland, Spain, Wales, two Australian states and four regions in England. At the high end of the scale, it was found that 10 per cent of cases could not be grouped for the data available from Wales and the South East Thames Region in England (Palmer and Reid, 1989). The fact that the proportion of cases falling into the three residual groups for

the analysis of Irish data is so small is a very good result and inspires some confidence in the data. While the number of cases assigned to the residual groups is relatively small, a separate study of these data may, in time, be warranted to establish if coding, mapping or grouping are determining factors for assignment to these groups. For the purpose of the present study, however, the use of the code mapping procedure and the "DRG Grouper" was considered successful, given the relatively small proportion of cases rejected or assigned to the residual groups.

A small number of DRG cells remained empty after case assignment. For the 1984-86 period, when births are included, the majority of empty cells are found for MDC 14. The perinatal data available nationally only allows assignment to one of four DRGs, depending on method of delivery: caesarean section, with/without complications/comorbidities (DRGs 370, 371); and vaginal delivery, with/without complications/comorbidities (DRGs 372, 373). There are 11 other DRGs within this MDC which remain empty because data of adequate detail are not available to enable record assignment. This is not considered a serious problem, however, because the factor of greatest interest here, i.e., method of delivery, is available to facilitate record assignment to the appropriate DRG for childbirth. As the perinatal data for 1987 and 1988 were not available, there are no records assigned to any of the DRGs in MDCs 14 and 15 for 1987 and 1988.

Apart from MDCs 14 and 15, there is some variation from year to year in the DRGs which do not have records assigned. In each case, however, the number of groups involved is small, ranging from 11 in 1984 and 1985 to a low of 6 in 1986 and 1988. Because the numbers involved are small, this does not give rise to concern about the validity of application of this technique. It might, however, be interesting in some future study to investigate if the reasons for these empty cells may be attributed to such factors as data quality or coding problems or, more importantly, to real differences in practice patterns or case mix between Ireland and other countries.

The results of the DRG-based analysis of acute hospital activity will now be presented for the study period 1984-1988.

Results of DRG Analysis of Acute In-Patient Discharges: 1984-1988

Discharge Distribution by DRG

The number and percentage breakdown for discharges assigned to all DRGs for each year from 1984-1988 is presented in Appendix 3. This information is helpful in gaining an understanding of changes in volume and distribution of discharges from year to year at the patient group level.

It is recognised that it would also be useful to present this type of information in the form of discharge rates for each DRG. In the review of data sources in Chapter IV it was noted that, while the HIPE and the PRS are the most comprehensive sources available for hospital activity data, the HIPE includes approximately 84 per cent of discharges. Because coverage for the HIPE has not yet reached the 100 per cent level, the accuracy of discharge rates calculated on the basis of the HIPE data might be open to question. We have therefore limited our analysis of hospital activity here to variations in discharge distribution and bed/day utilisation.

A more concise picture of acute hospital case mix in Ireland may be derived from ranking the DRG data presented in Appendix 3 in order of descending frequency. This information is shown in Appendix 4 for each year over the 1984-1988 period. For each of the three years 1984, 1985 and 1986, the first 4 DRGs account for more than a quarter of the discharges, the first 10 DRGs account for more than one third of the discharges and over one half of all discharges can be accounted for by the top 30 DRGs. This would suggest a significant concentration, rather than variation, of case mix at the national level over this period.

The fact that births are missing from the 1987 and 1988 data results in a somewhat different distribution, with close to 11 per cent of discharges falling into the first 4 DRGs, 21 per cent of discharges falling into the first 10 groups and, finally, 30 groups accounting for over 40 per cent of discharges. It seems reasonable to assume, however, that as normal newborns (DRG 391) and normal deliveries (DRG 373) together account for approximately 22 per cent of discharges over the 1984-1986 period, this trend is likely to continue through the 1987-1988 period. Based on this assumption for 1987 and 1988, almost one third of all discharges would be expected to arise in the top 4 groups, with over 62 per cent of discharges falling into the top 30 DRGs. The comparison of the 1987-1988 period with the 1984-1986 period suggests that the distribution of acute hospital case mix is becoming more concentrated over time, as the number of hospital discharges found within the top 30 groups in the later period is substantially greater than the proportion of discharges found at the same level in the earlier period.

The ranking for the high volume DRGs for each year, together with the percentage change in length of stay for each DRG over the period is shown in Table 5.2. For the 1984-1986 period, normal newborns (DRG 391) and normal delivery (DRG 373) account for the first and second most frequently occurring group, and it is to be assumed that this is also the case for 1987 and 1988. The third and fourth most frequently occurring conditions over the period fall into diseases and disorders of the digestive

system, specifically oesophagitis, gastroenteritis and misc digestive disorders, up to the age of 69. While the rank order may change, four of the six remaining groups in the top 10 DRGs are the same in each year: appendicectomy, w/o complicated principal diagnosis, age < 70 (DRG 167), other factors influencing health status (DRG 467), other skin, subcut tiss & breast OR proc. (DRG 270) and chronic obstructive pulmonary disease (DRG 88).

Table 5.2: Rank and Length of Stay (LOS) for High Volume DRGs: 1984-1988

DRG NUM	DRG	984	1985	1986	1987	1988	LOS Change (%) 1984-1988
391	Normal Newborns	1	1	1]*]*	_4**
373	Vag Delivery w/o						
	Compl. Dx	2	2	2	2*	2*	-3**
183	Msc Dig Dis, Age 18-70	3	3	3	3	3	+47
184	Msc Dig Dis, Age <18	4	4	4	4	4	+26
167	Append w/o Compl Dx	5	7	8	7	9	-22
467	Oth Health Factors	6	6	5	5	5	+46
030	Tr St. Cma<1HR, Age<18	7	9	10	11	14	+110
270	Oth Skin Prob	8	8	6	6	8	+123
243	Med Back Probs	9	12	12	12	15	-21
088	Chrn Pulm Obstr	10	5	7	10	10	-43
098	Brnch & Asth, Age<17	15	10	11	9	7	-4
364	D & C, Conzth, w/o Malign	12	H	9	8	6	+97
143	Chest Pain	19	18	15	13	11	+21

^{*} Assumed rank in the absence of data on births

It is interesting to note that DRG 30 (traumatic stupor and coma < 1hr, age 0-17) which ranked 7 in 1984, dropped to a rank of 14 in 1988, and DRG 243 (medical back problems), dropped from rank 9 in 1984 to rank 15 in 1988. As these conditions drop out of the top 10 group, other conditions are progressing gradually through the hierarchy from one year to the next. DRG 98, bronchitis and asthma, age 0-17, is a good example. In 1984 this DRG occupied fifteenth position on the hierarchy with less than 5,000 discharges, and in 1988 the ranking had progressed to seventh position, with over 6,000 discharges. The ranking for chest pain (DRG 143) is progressing in a similar way, moving from a rank of 19 and 4,000 discharges in 1984 to eleventh position in 1988 with almost 5,000 discharges.

When substantial changes in the volume and distribution of hospital

^{**} LOS change 1984-1986

discharges are observed, a range of factors should be investigated in seeking to explain the changes observed. The areas requiring investigation should cover epidemiological factors and changes in the pattern of illness, changes in treatment patterns and service availability, technological developments and availability, changes in demographic and environmental factors, in addition to such fundamental influences as changes in data coding and reporting practices.

While recognising the relatively concentrated nature of acute hospital case mix in evidence from this analysis, some interesting changes in the pattern of hospital morbidity are also in evidence and these may warrant further investigation. It is important to recognise here that the magnitude and direction of change in discharge distribution is not consistent across all case types. Controlling for case mix within this analysis of hospital activity therefore enables us to identify those case types for which change in discharge distribution is greatest.

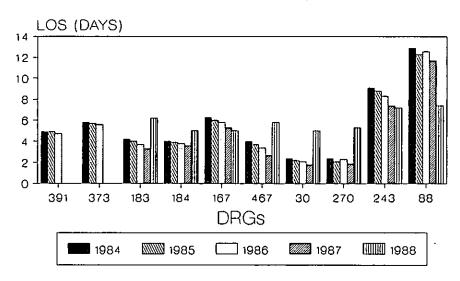
An explanation of the observed variations in discharge distribution noted above is beyond the scope of this study. What is important from our perspective is developing and testing a framework within which such variation can be observed and measured. From this basis, research on explanatory factors may be better targeted to the areas of greatest change in the interest of gaining a better understanding of the illness experience requiring an effective response from the acute hospital system.

Length of Stay Variation for High Volume DRGs

The mean length of stay for the high volume DRGs for 1984-1988 is presented graphically in Figure 5.1. It is clear from Figure 5.1 that there are some interesting variations in mean length of stay over time and between different DRGs. While length of stay at the national level is declining, as discussed in Chapter 1, this trend is obviously not maintained consistently for all case types. There are very substantial swings, both negative and positive, in mean length of stay variation over the 1984-1988 period. For the high volume DRGs included in Table 5.2, the greatest decline in mean length of stay is found for DRG 88 (chronic obstructive pulmonary disease), which shows a decline of 43 per cent in mean length of stay from 1984 to 1988. At the other end of the scale, however, we find DRG 270 (other skin, subcut tissue and breast O.R. proc., age <70, w/o cc) where mean length of stay increased by 123 per cent from 1984 to 1988.

The smallest decline in mean length of stay for the DRGs shown in Figure 5.1 is found for DRGs 391 and 373, though it must again be pointed out that data for these groups are only available for 1984-1986. At the next level we find mean length of stay declining consistently and gradually for

FIGURE 5.1 HIGH VOLUME DRGs: IRELAND MEAN LENGTH OF STAY, 1984-1988



DRGs 167 and 243. For both groups, length of stay drops by about one fifth from 1984-1988. It is interesting, however, that out of the 10 groups included in Figure 5.1, 5 groups, including DRGs 183, 184, 467, 30 and 270 show increases in length of stay from 1987 to 1988 which is contrary to the trend towards decreasing mean length of stay in evidence at the national level and discussed in Chapter I.

While demonstrating that the national trends in bed/day use are not necessarily reflected in the trends in evidence at the patient group level, we are not in a position to explain the patterns observed here. The factors listed above as possible explanatory variables for changes in the distribution of discharges should certainly be investigated in any attempt at explaining variations in mean length of stay. An additional factor which might also have an important influence on the lengths of stay observed for the 1988 data is the trend towards increasing use of day treatment facilities where possible and where available. Unfortunately, data availability on the use of day treatment are very limited. In some future study an hypothesis which would seem to warrant investigation in attempting to explain the trends observed for 1988 is the possibility that the increased use of day treatment where suitable and possible has resulted in hospital admission for the more difficult cases within a particular treatment group. This

might, in turn, result in proportionately longer lengths of stay for those DRGs which have a greater potential pool of patients who may be able to use day treatment as an alternative to the more conventional in-patient treatment. This is, however, only an hypothesis which, unfortunately, we are not in a position to test in the present study. What is clear, is that it is important to go beyond both the national and the hospital level in any attempt at developing an understanding of bed/day use. Using a case-mix framework allows us to track bed/day use to the patient group level and, consequently, to gain a better understanding of the distribution of bed/day utilisation by patient type within the acute hospital sector.

Length of Stay Variation by Hospital Type

The information presented in Appendices 3 and 4 can be analysed and reformated in many different ways. The confidentiality constraints governing the use of the HIPE data do not allow an analysis of discharge distribution and length of stay by individual hospital. We can, however, do an analysis by hospital type as one example of the type of analysis which can be applied to these data.

For selected health board and voluntary hospitals, DRG distribution and mean length of stay for the first 50 per cent of discharges is presented in Appendix 5. For both hospital groups, 48 DRGs account for just over 50 per cent of discharges, while the remaining 50 per cent of discharges are spread across 404 DRGs for the health board hospitals and 405 DRGs for the voluntary hospitals.

Table 5.3 presents information on rank, distribution and mean length of stay for high volume DRGs in a number of the health board and voluntary hospitals included in the analysis for Appendix 5. The length of stay information in Table 5.3 is presented graphically in Figure 5.2 where mean length of stay for the high volume DRGs in health board hospitals is compared with the same DRGs in the voluntary hospitals and Table 5.3 where mean length of stay for the high volume DRGs in the voluntary hospitals is compared with the same DRGs in the health board hospitals. The number of cases included in the analysis for the health board hospital group is 72,791 and the number of cases included in the analysis for the voluntary hospital group is 68,510. For confidentiality reasons it is not possible to identify the number or the names of the hospitals included in these groups.

With regard to discharge distribution across DRGs, it is interesting to note that, of the 10 high volume DRGs in the health board hospitals, only 3 of these DRGs (DRG 183, 467 and 088) appear in the top 10 DRGs for the voluntary hospital group. This would indicate that case-mix concentration

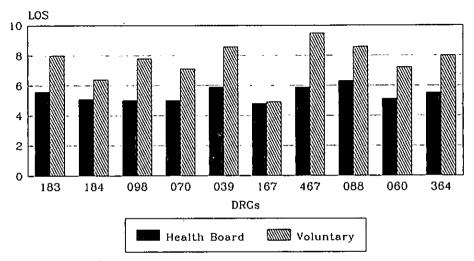
Table 5.3: Rank, Distribution of Discharges (%) and Mean Length of Stay (LOS) for High Volume

DRGs in selected Health Board and Voluntary Hospitals, Ireland 1988

DRG			Health Board		Voluntary			LOS*
	· ·	Rank	Disch %	LOS (Days)	Rank	Disc %	LOS (Days)	Vol/HB %
183 N	Msc Dig Dis, Age 18-70	1	3.2	5.6	1	4.5	8.0	42.9
	Msc Dig Dis, Age < 18	2	3.1	5.1	79	0.4	6.4	25.5
	Branch + Asth age < 17	3	2.5	5.0	240	0.1	7.8	56.0
	OM + Uri Age 0-17	4	1.9	5.0	176	0.1	7.1	42.0
	Lens Procedures	5	1.9	5.9	20	1.0	8.6	45.8
167 A	Appendc w/o Cmp Dx Age <	70 6	1.8	4.8	15	1.2	5.0	4.2
	Other Health Factors	7	1.8	5.9	4	2.2	9.5	61.0
088	Chrn Pulm Obstr	8	1.6	6.3	5	1.9	8.6	36.5
060	Tnsect Adet Age < 18	9	1.6	5.1	14	1.2	7.2	41.2
	D + C, Conzth w/o Malign	10	1.5	5.5	18	1.0	8.0	45.5
	Med Back Probs	20	0.9	5.5	2	2.2	6.9	25.5
410	Chemotherapy	29	0.7	7.1	3	2.2	8.6	21.1
	Msc Dgstv Dis, AC	11	1.4	6.8	6	1.5	7.4	8.8
	Spec Crbrysc Dis Age > 69	17	1.0	6.7	7	1.5	8.2	22.4
	Chest Pain	13	1.3	5.8	8	1.4	7.0	20.7
	Oth Skin Pr Age > 69	14	1.3	5.1	9	1.4	6.9	35.3
	Tr St. Cma, <1 HR Age <70	15	1.2	5.1	10	1.3	10.6	107.8

^{*}Per cent by which mean length of stay by DRG in the voluntary hospital group exceeds mean length of stay in the health board hospital group.

FIGURE 5.2 LOS BY DRG FOR HEALTH BOARD HOSPITALS: COMPARISION WITH VOLUNTARY HOSPITALS

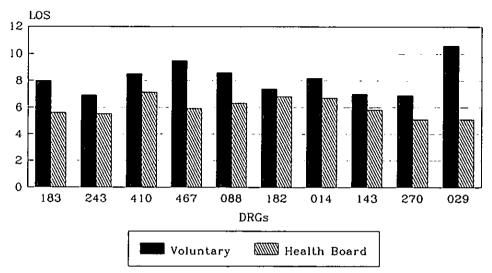


LOS: Mean Length of Stay High volume DRGs in select health board and voluntary hospitals, Ireland, 1988 in both groups of hospitals is quite different. The top 10 DRGs in the health board hospital group accounts for 21 per cent of all discharges, with the 17 DRGs listed in Table 5.3 accounting for 28.7 per cent of discharges. For the voluntary hospital group, the top 10 high volume DRGs also account for 21 per cent of discharges, with the 17 DRGs from Table 5.3 accounting for 25.3 per cent of discharges.

For each of the DRGs listed in Table 5.3 and included in Figures 5.2 and 5.3, mean length of stay is longer in the voluntary hospital group compared with the health board hospital group. The magnitude by which the mean length of stay in the voluntary hospitals exceeds the length of stay in the health board hospitals for these DRGs ranges from a low of 4.2 per cent for DRG 167 to a high of 108 per cent for DRG 029.

An explanation for the trends observed here would require that the analysis be refined to a lower level of aggregation so that, for example, it should be possible to identify if particular hospitals within the voluntary hospital group are accounting for the relatively longer lengths of stay found here, or alternatively, if this is a trend found consistently across all hospitals of this type. As long as the data are made available at the appropriate level, there are no technical reasons preventing this type of case-mix analysis from being conducted at the individual hospital level. A

FIGURE 5.3
LOS BY DRG FOR VOLUNTARY HOSPITALS:
COMPARISON WITH HEALTH BOARD HOSPITALS



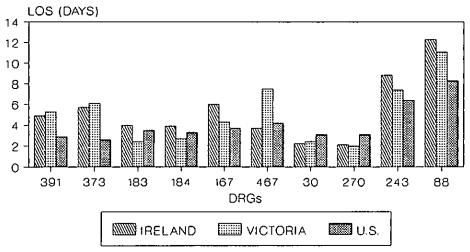
LOS: Mean Length of Stay High volume DRGs in select voluntary and health board hospitals, Ireland, 1988 thorough understanding of the trends observed must also, of course, have regard to the other potentially important factors mentioned previously, including data reporting and data quality, coding practices, changing treatment patterns, technology development, etc.

International Variations in Length of Stay by DRG

While a thorough analysis of international trends in the utilisation of hospital services by DRG is beyond the scope of this study, mean length of stay for selected high volume DRGs in Ireland, Victoria (Australia) and the US is shown in Figure 5.4 for 1985. No one country or state can be identified as consistently having the longest or shortest mean length of stay from this comparison. Ireland has the longest mean length of stay for five groups (DRGs 183, 184, 167, 243 and 88), Victoria has the longest mean length of stay for three groups (DRGs 391, 373, 467), and the US has the longest mean length of stay for two groups (DRGs 30 and 270).

In addition to the direction of the variation, the magnitude of the difference is also important. Mean length of stay for DRG 88 is obviously substantially longer in Ireland compared with the US, while the length of stay for DRG 467 in Victoria is much greater compared with both Ireland and the US. Whether these differences reflect real differences in treatment

FIGURE 5.4 HIGH VOLUME DRGs: IRELAND, VICTORIA, US MEAN LENGTH OF STAY, 1985



Source: Victoria: Health Department; US: Dept of Health and Human

Services

patterns or practices, or basic differences in coding practices and data availability is an issue which should be investigated in greater depth in a more wide ranging study of international trends. Such a study should be all the more meaningful because comparisons on the basis of patient type across health systems and countries is facilitated by the use of a standardised case-mix classification system.

Analysis of Untrimmed and Trimmed Data

More detailed information on the discharge distribution by DRG is presented in Appendix 6. This includes a listing for frequency, length of stay and the coefficient of variation by DRG for all discharges for 1984, 1985, 1986, 1987 and 1988. These statistics are presented for both untrimmed and trimmed data.

Untrimmed data include all observations, regardless of length of stay. As discussed previously, DRGs were developed specifically for the measurement of case mix in acute hospitals. DRGs, by definition, are therefore intended for application to short stay, rather than long stay, cases. It will be evident from a review of untrimmed average length of stay in Appendix 6 that for some DRGs this exceeds the range which might be expected for acute discharges. As a statistic, the "mean" or the "average" may also be particularly susceptible to the disproportionate influence of extreme outliers. To overcome this problem, extreme outliers may need to be identified and excluded, or trimmed, from the data for the purpose of certain types of analysis.

In the development of the DRGs, a trimming algorithm was developed to enable the identification of those discharges which did not appear to belong to the underlying frequency distribution of length of stay for most cases in the DRG. Trimming refers to the deletion of those data in order to provide the most effective estimation of the parameters of the distribution of interest.

The trimming algorithm finally adopted in the development of the DRG system is based on the Tukey procedure. When cases are ranked by length of stay, this procedure employs the interquartile range as follows:

$$t = Q3 + 1.5 (Q3 - Q1)$$

¹⁰ Frequency refers to number of discharges; length of stay is the difference between the date of discharge and the date of admission; the coefficient of variation (cv) is derived by dividing the standard deviation by the arithmetic mean. The cv is a commonly used measure of variability. While the mean and the standard deviation may be expressed as "days of stay", the coefficient of variation is a pure number and is not associated with a unit of value. An outlier may be defined as a case with an extremely long length of stay (day outlier) or very high costs (cost outlier) when compared to other discharges classified in the same DRG (ProPAC, 1988).

where t is the upper trim point, Q3 is the length of stay for the third quartile and Q1 is the length of stay for the first quartile (Fetter, et al, 1981).

This trimming algorithm was also used to define outliers in the analysis of the Irish data. Following the exclusion of the outliers so defined, the trimmed data were analysed to find the trimmed frequency, the trimmed length of stay and the trimmed coefficient of variation. These data are presented in Appendix 6 for the period covered by the analysis.

Of immediate importance to us here is the performance of the DRG system on Irish data and the potential which this approach may offer as a measure of hospital case mix within the Irish context. The within group variation for the DRG, measured here by the coefficient of variation (cv), is therefore of interest. We cannot define a limit, at the outset, which would be considered "the most desirable" for the cv. It is, however, reasonable to suggest that cv values of less than or close to I would be quite acceptable and values as high as 5 and 6 would be problematic, as higher values imply greater variation and a greater spread in the distribution.

A review of the cv for the untrimmed data does show quite high values for certain DRGs over the period covered by the analysis. To illustrate the effect of trimming, we can take DRG 90 for 1988 as a useful example of the effects of the process described. For DRG 90 (simple pneumonia & pleurisy, age 18-69, w/o cc), the cv in 1988 for the untrimmed data was 7.16. After applying the trimming algorithm, the cv for the trimmed data dropped to 0.81, well within the boundaries of acceptability. This standard was achieved by trimming just over 6 per cent of the observations, resulting in a drop in the mean length of stay from 8.39 days for the untrimmed data to 4.85 days for the trimmed data. It is clear, therefore that the high cv for the untrimmed data may be attributed to a small number of cases with long lengths of stay which are eliminated as part of the trimming process.

With a very small number of exceptions, the coefficients of variation for the trimmed data for each year from 1984 to 1988 are less than or close to 1, suggesting limited within group variation for the DRGs. The severity of the trimming does, however, vary between groups depending on the nature of the untrimmed distribution. The percentage of cases trimmed is shown in Appendix 6 and is well in excess of 10 per cent for many groups. It is not possible, in absolute terms, to define a limit beyond which it is not reasonable to trim, the boundary will depend on the purpose of the exercise.

In Table 5.4 a comparison of the coefficient of variation for untrimmed and trimmed data for 1985 for selected high volume DRGs in the US and Ireland is presented. For the trimmed data, the cv is quite similar for the

Table 5.4: Coefficient of Variation for Untrimmed and Trimmed Length of Stay for High Volume
DRGs: Ireland and the US, 1985

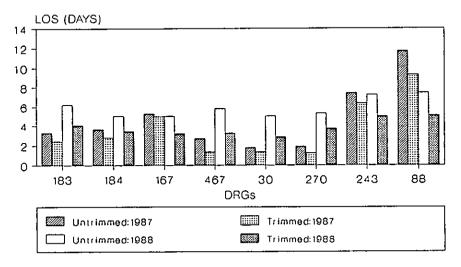
DRG	Coefficient of Variation					
NUM	Irel	US				
	Untrim	Trim	Untrim	Trim		
391 Normal Newborns	3.2	0.3	0.6	0.5		
373 Vag Delivery w/o Compl Dx	1.4	0.3	0.8	0.4		
183 Msc Dig Dis, Age 18-70	1.3	0.8	0.9	0.6		
184 Msc Dig Dis, Age < 18	1.4	0.6	1.4	0.6		
167 Append w/o Compl Dx	0.5	0.3	0.9	0.4		
467 Oth Health Factors	3.4	0.6	1.7	0.9		
030 Tr St. Cma < 1HR, Age < 18	1.7	0.5	1.6	0.8		
270 Oth Skin Prob	2.8	0.5	1.1	0.8		
243 Med Back Probs	1.1	0.8	1.0	0.6		
088 Chrn Pulm Obstr	1.4	0.6	1.2	0.6		
098 Brnch & Asth, Age < 17	1.2	0.7	0.8	0.5		
364 D & C, Conzth, w/o Malign	1.0	0.2	1.2	0.5		

Source for US: US Department of Health and Human Services

DRGs listed for both countries. The cv for the untrimmed data for these DRGs is also quite similar in each country, with a number of exceptions. These exceptions would include the cvs for the untrimmed data in DRGs 391, 270 and 467 in Ireland which are obviously considerably higher than those found in the US.

As one illustration of the effect of trimming on mean length of stay (LOS), Figure 5.5 presents untrimmed and trimmed LOS for high volume DRGs in Ireland for 1987 and 1988. For most of the DRGs included in Figure 5.5, the trimming process would seem to have greatest effect in 1988, compared with 1987. It was noted previously, that LOS for 5 of the 8 DRGs included here increased between 1987 and 1988, a trend which is contrary to the national trend for mean length of stay. Figure 5.5 shows quite clearly, however, that a substantial proportion of the observed LOS increase may be attributed to the presence of a small number of outlier cases with particularly long lengths of stay within these groups. When these outlier cases are trimmed out of the data, the LOS drops to a level which is more in keeping with the 1987 level. DRG 184 provides a useful example. For the 1987 data, 4.5 per cent of the observations were trimmed resulting in a 23 per cent drop in mean length of stay from 3.6 days to 2.8 days. In 1988, however, the application of the same trimming algorithm resulted in 7.2 per cent of the observations being trimmed, with a consequent drop of 31 per cent in mean length of stay from 4.99 days to 3.44 days.

FIGURE 5.5 UNTRIMMED AND TRIMMED LOS FOR HIGH VOLUME DRGs,IRELAND:1987,1988



LOS: Mean length of stay

Summary measures of length of stay data will be influenced by the presence of outlier cases in the distribution. It is important, therefore, to guard against preliminary conclusions before a thorough assessment has been undertaken on the nature of the underlying distribution at the patient group level. For the purpose of this study, the trimming algorithm used is intended to define those discharges which do not appear to belong to the underlying distribution of length of stay postulated for most cases in the DRG. The use of the inter-quartile range for this purpose means that the number of discharges which fall beyond the trim point for the DRG will depend on the spread of the distribution, which may vary considerably between DRGs. It should be emphasised, however, that the approach to trimming presented here is just one of a number of possible approaches. The choice of approach will be influenced by the objectives of the exercise, and will also have to take account of data availability and the level of sophistication of the technique required for this purpose.

The decision between the use of trimmed or untrimmed data will also be determined by the objectives of the exercise. For such objectives as the estimation of resource deployment and requirements, the untrimmed values, rather than the trimmed values would be used. Outlier cases obviously generate costs and will be of direct relevance in any study of

hospital service use. The so called outlier cases may, in fact, warrant particular attention by both medical and non-medical staff as they are, by definition, not typical in their use of resources and the reasons why service utilisation varies from the norm may need to be investigated. For other purposes, however, and particularly for the use of DRGs as one component within a payment system, it would be important to be able to identify cases which are outliers on the basis of length of stay or cost. A patient-based payment system incorporating DRGs would generally be expected to incorporate an "outlier payment" policy to cover those catastrophic cases which occasionally, but inevitably, arise.

CONCLUSION

National discharge abstract data for acute hospitals in Ireland were successfully classified into DRGs for 1984, 1985, 1986, 1987 and 1988. The discharge breakdown for each DRG, together with length of stay information and measures of variation, were presented and discussed in this chapter.

The initial objective of testing the feasibility of using the "DRG Grouper" on Irish data was successfully achieved. In addition, the information generated and presented here provides important baseline data on the national case-mix profile. Changes in this profile and in the distribution and use of hospital bed-days can also be assessed from the results of the case-mix analysis presented here.

In addition to facilitating a study of inter-temporal changes in hospital case mix, this type of DRG analysis can also be undertaken to estimate inter-regional, inter-sectoral and inter-hospital variations in the case mix treated. The confidentiality constraints applying to the use of the HIPE data prohibit the publication of data at the individual hospital level. Where DRG analyses of the type presented here have been undertaken for individual hospitals (at the hospital's request), the information has been found to yield important insights into service utilisation patterns within the hospital.

While a case-mix analysis of activity data constitutes an important basis for estimating and understanding the utilisation of hospital resources, the power of this tool is greatly enhanced when activity data and cost data can be related on a case-mix basis. Knowing the cost of treating particular types of patients, as well as the distribution of patients treated, considerably strengthens the potential power of this technique. In the next chapter the results of a pilot study undertaken to integrate cost information within the DRG activity model will be presented and discussed.

Chapter VI

ESTIMATION OF HOSPITAL COSTS BY DIAGNOSIS RELATED GROUP

Introduction

The fact that DRGs can be successfully used for measuring and analysing hospital activity has been demonstrated in the previous chapter. While this level of analysis does provide one measure of the resource consequences for hospitals of supporting a particular case-mix level, an assessment of the *financial* consequences implied for the support of a hospital's case-mix requires that hospital costs be estimated to the DRG level.

The decision to undertake a pilot study to estimate costs by DRG for selected Irish hospitals was taken with the objective of providing the essential link between hospital activity and hospital costs. The fact that detailed information on hospital costs was not generally available for Irish hospitals was recognised as a constraint at the outset. While the study was pursued with the aim of estimating costs by DRG, limitations on information availability meant that the operational objective was to test and, where necessary, modify a DRG costing model for use in Irish hospitals.

The DRG Cost Model

A product line, or case-mix, cost accounting model developed and applied in US hospitals is described in detail in Thompson, et al., (1979). According to these authors, "the goal of case-mix cost accounting is to provide a complete financial picture of the costs of treating individual patients grouped into similar classes based on use of resources" (p.113). As the DRGs provide a definition of the hospital product, the resources used and costs incurred by the hospital can be related directly to the patient types treated within the hospital by means of the DRGs. The relationship between the case-mix of the hospital, the resources it consumes and the costs it incurs can therefore be established.

An overview of the case-mix cost accounting process tested in this pilot study is reproduced in Figure 6.1 from Fetter and Freeman (1986). It will be clear from Figure 6.1 that the DRG cost-finding methodology begins as a dichotomous process with patient discharge data and hospital cost data being analysed and processed separately.

The data sources required to implement this cost model will be apparent from the framework represented here. These data sources can be specified as follows:

- 1. Patient discharge information.
- 2. Patient services delivered.
- 3. General ledger for the hospital.
- 4. Allocation statistics for support services.

The assignment of discharges to DRGs is achieved with the application of the DRG Grouper as described in Chapter III. The methodology for the breakdown of costs from the general ledger to the DRG level is a multistage process which is represented graphically in Figure 6.2 and will now be discussed in greater detail.

The DRG Cost-Finding Process

Step 1: Definition of Initial Cost Centres from General Ledger

The first step in this process begins with the hospitals general ledger and involves the assignment of all line items to *initial cost centres (ICCs)*. Initial cost centres are defined to be synonymous with physically discrete patient or support services such that each one represents a centre of responsibility

GEN LEDGER PATIFNT PATIENT BY COST CENTRE CLINICAL DATA SERVICE DATA ALLOCATE NDIRECT/OVERHEAD TO DIRECT PATIENT COST CENTRE DRG ASSIGNMENT AND PATIENT SERVICE PROFILE DETERMINE COST PER UNIT OF SERVICE DETERMINE COST/PAT IN EACH DRG MANAGEMENT ANALYSES REPORTS Source: Adapted from Fetter and Freeman (1986)

FIGURE 6.1: OVERVIEW OF CASEMIX COST ACCOUNTING PROCESS

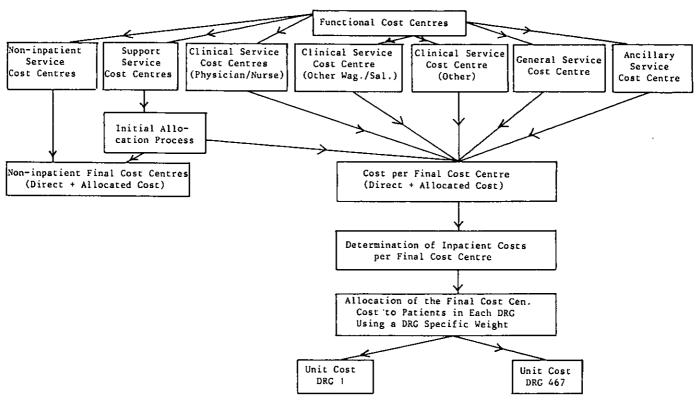


FIGURE 6.2: Estimation of DRG Costs in Select Irish Hospitals

Adapted from: Fetter and Freeman (1986)

for the production of a specific good or service required for patient care or for the functioning of the hospital (Freeman, et al., 1986). Five general types of initial cost centres may be described:

- 1. Support service cost centres (e.g. laundry, maintenance);
- 2. Ancillary service cost centres (e.g. radiology, pharmacy, laboratory);
- 3. Clinical service cost centres (e.g. nursing);
- 4. General service cost centres (e.g. casualty);
- 5. Non-inpatient service cost centres (e.g. out-patient departments).

This initial step of defining initial cost centres from the general ledger is clearly represented in Figure 6.2. The non-in-patient cost centre is also shown to be subsequently defined as a final cost centre and maintained outside of the DRG cost allocation process. As DRGs are specifically concerned with in-patient care, all non-in-patient care related costs must be extracted from this process.

Step 2: Allocation of Costs from Support Service Cost Centres to Final Cost Centres

Cost centres may be defined as final cost centres (FCCs) if available information will support the following requirements: the allocation of costs from the support service cost centres to the FCCs; the estimation of the proportion of costs in FCCs incurred by in-patients; and finally, the allocation of costs from FCCs to the DRG level (Freeman and Fetter, 1986). The final cost centres may be constructed from the first four types of initial cost centres defined in Step 1 above.

The cost-finding process begins at this level with the allocation of support service costs to the final cost centres. This can be undertaken when a set of allocation statistics has been developed which reflect the relative distribution of costs for a designated support service cost centre across the final cost centres.

The main input for the development of the allocation statistics is the distribution of service utilisation by cost centre. For each support service, a decision must be made on the measure which is to be applied for the allocation of costs to the final cost centres. To take examples from two support services, laundry and maintenance. It may be reasonable to use weight in kilos/lbs to allocate laundry from the ICC level to the FCC level, and floor area might be used for the allocation of maintenance services to the FCCs.

The actual allocation process is complicated by the fact that support service costs may be simultaneously allocated to each other before eventually being allocated to the final cost centres. An additional complication arises because some proportion of support service costs may revert back to the cost centre of origin. For example, maintenance may

itself occupy workspace which will ultimately mean that some proportion of the maintenance cost centre costs will revert back to maintenance.

One important implication of the circular nature of the allocation process is that the use of the standard hospital accounting stepdown procedure is problematic (Thompson, et al., 1979). The stepdown procedure would only approximate this circular behaviour and would not preserve the identity of the original source of all costs allocated to the final cost centres.

This problem has been solved by drawing on the linear algebra approach to cost accounting. By approaching the manipulation of the allocation statistics matrix as a Markov process, a special algorithm has been developed to deal with the circular nature of the allocation process. This algorithm generates a set of linear equations whose solution provides the identifiable fraction of each account allocated to each final cost centre (Fetter, et al., 1977, Thompson, et al., 1979, Chandler, 1988).

To summarise, therefore, the proportion of support service costs which is allocated to final cost centres is estimated on the basis of a matrix of allocation coefficients which is derived by means of a linear algebra formulation. The completion of this initial allocation means that the direct costs of the final cost centre and the allocated costs of support services together represent the total cost of providing services in each of the final cost centres.

Step 3: Estimation of In-Patient Fractions

Because the cost-finding process within this model only applies to inpatients, the fraction of the total costs incurred for in-patient care must be estimated for each final cost centre. The total costs are then multiplied by the relevant in-patient fraction to derive an estimate of the in-patient costs applicable to each final cost centre.

Step 4: Allocation of In-Patient Costs from Final Cost Centres to DRGs

Ideally, where information on service use for individual patients is available, this would provide the basis for the allocation of costs from the FCCs to the DRGs. Some measure of resource consumption, or a patient-related statistic reflecting the relative intensity of services delivered, is determined for each FCC. A cost per statistic ratio can then be calculated for each FCC. The cost for an identified patient type and a specific FCC is the total of that patient's statistic for that FCC multiplied by the cost per statistic ratio (Freeman, et al., 1986).

Direct in-patient service costs may be allocated on the basis of patient days while nursing services and catering may be allocated on the basis of "weighted days" which are estimated to reflect the relative amount of nursing care and meals required per patient day in each DRG. Ancillary service costs may be allocated on the basis of charges or relative value units (RVUs) which correspond to the procedures provided to each patient while costs associated with centres like "Admitting" will be allocated uniformly to all in-patients (Freeman, et al., 1986).

The ideal data set for the calculation of service utilisation statistics for individual patients may not, however, be available for all hospitals or all systems. This is generally the case in Irish hospitals where information on service utilisation at the patient level is not routinely available. The only feasible solution, in the short term, to deal with the problem caused by this gap in the Irish data, was the use of DRG specific service utilisation weights for the allocation of costs from the FCCs to the DRGs. The source and application of these weights will be discussed in greater detail later in this chapter when the cost-finding process applied in selected Irish hospitals is described.

Estimation of DRG Costs for Selected Irish Hospitals

Hospital Selection

An initial short list of eight hospitals was compiled on the basis of information availability within the categories listed above, i.e., patient discharge information, patient service utilisation, detailed general ledger and allocation statistics for support services. A meeting was arranged with each hospital to review the level of detail available for the information under each of these headings. Three hospitals were finally selected for the pilot study of DRG costs.

A number of criteria were applied to the selection of the pilot hospitals. While a study involving just three hospitals could not be considered to be representative of all hospitals, attempts were made to ensure that the group would include both voluntary and health board hospitals, Dublin hospitals and non-Dublin hospitals. An acceptable mix was therefore achieved with the inclusion of one Dublin voluntary hospital, one non-Dublin voluntary hospital and one general health board hospital. The identity of the three hospitals in the study is not being disclosed here to ensure that confidentiality is preserved. The hospitals will therefore be referred to (rather unimaginatively) as Hospital A, Hospital B and Hospital C. While all three hospitals have between 200 and 300 beds, Hospital A is a Dublin voluntary teaching hospital, Hospital B is a non-Dublin health board hospital and Hospital C is a non-Dublin voluntary hospital.

A final factor influencing hospital selection was the availability of the required information in an accessible and adequately detailed format.

None of the hospitals would be considered to have the "perfect" data set, i.e., the facilities to produce cost and patient service information to the cost centre level. While Hospitals A and B were able to produce cost information to the cost centre level, cost information for Hospital C was limited to the standard general ledger (or chart of accounts) format. This selection of hospitals therefore approximated the range of information availability prevalent throughout the hospital system at the time.

At the time this study was carried out, detailed information on patient service utilisation was not generally available within the Irish hospital system. The selected hospitals therefore had to undertake some original data collection, in some instances, or use alternative data sources where available. The approach adopted will become apparent as the analysis is described. Finally, the Hospital In-Patient Enquiry and the Perinatal Reporting System served as the source for patient discharge data for all hospitals. Data availability also dictated the time period for the study which, unless otherwise specified, is 1984.

The DRG Cost Finding Process in Hospitals A, B, and C

The cost finding process was executed in accordance with the four steps outlined above in the description of the cost model. In Appendix 7 selected information on each stage of the process is given for the study hospitals. The presentation of this information must, of necessity, be selective to safeguard the identity of the hospitals concerned.

The first step involved the definition of the initial and final cost centres for each hospital. It will be apparent from Figure A7.1 that the initial cost centres will generally consist of support services, general services and clinical services, with final cost centres mainly consisting of clinical and ancillary services together with a small number of general service centres. Two alternative approaches can be applied to the definition of cost centres. One option suggests that cost centres should fit a hospital's managerial structure so that information generated for each cost centre can be used efficiently for management purposes. The second option, however, accords priority to consistency in cost centre definition across hospitals so that standardisation will be achieved and hospital performance can be compared between institutions. In this study an attempt was made to achieve an optimal balance between both approaches. Ultimately, however, the cost centre structure can only be as detailed as the raw data allow.

Figure A7.2 presents an example of the statistics used for the allocation of the support service costs to the final cost centres. The statistics used and the level of detail applied are, again, a function of the data available.

The third step in this exercise is straightforward and involves the

estimation of in-patient fractions for the final cost centres. This is illustrated in Figure A7.3. For some cost centres, the breakdown is self-evident. For example, Accident & Emergency and the out-patients department will have an in-patient fraction of 0 as they are exclusively concerned with out-patients. For some of the ancillary services, costs may be split between the in-patient and the out-patient sectors. The in-patient proportion of radiology is estimated at 50 per cent for Hospital A, 65 per cent for Hospital B and 20 per cent for Hospital C. These estimates were derived by the hospitals specifically for this study and represent an assessment of the in-patient/out-patient distribution of the hospitals workload in these service areas.

The final step in the cost finding process is the allocation of costs from the final cost centres to the DRGs. This allocation is based on the statistics listed for each hospital, some examples of which are presented in Figure A7.4. Where possible, hospital specific statistics have been used, for example, bed/days may be used to allocate laundry. The reality for Irish hospitals, however, is that information which could be used to relate nursing resources and ancillary service use to individual patients is not available. The collection of this information for the specific purpose of this study was not feasible because the exercise would have been too costly, too time consuming and would place excessive demands on participating hospitals. If hospital costs were to be disaggregated to the DRG level, an alternative source of information therefore had to be found.

The procedure which was finally adopted for this task was a process of mapping costs from the final cost centres to the DRGs on the basis of weighted case-mix, or weighted bed/days. The allocation weights used for this purpose were developed in the US in 1985 on a data base of 600,000 hospital discharges for the State of Maryland. The calculation of these allocation weights involved the estimation of, for example, the relative amount of nursing care and dietary supplies required per day for each DRG (Chandler, 1988). A similar exercise was conducted for each service area to estimate the relative amounts of operating room, laboratory, radiology, physical and occupational therapy, drugs, and general supplies, required per case type in each DRG. It should be emphasised here that these weights measure relative resource consumption between DRGs and that no conclusions are inferred about the cost of this resource consumption. The allocation statistics derived, therefore, estimate the amount of services each patient would be expected to receive, relative to other patients, using the best information available.

The procedure adopted for the calculation of these weights may be illustrated by a simple example. Drug costs were allocated from the final

cost centre to the DRGs using pharmacy weights. Pharmacy weights were computed as the ratio of average drug charges for discharges by DRG to average drug charges across all DRGs (Freeman, et al, 1986), that is:

 $w_i = pharm_i / (\sum_i pharm_i / 470)$

where

w_i = the pharmacy weight for the ith DRG
 pharm_i = average drug charges for discharges in DRG_i
 pharm_i = the average drug charge per patient in the jth DRG

This definition means that a weight of 1 would be average while a weight of 2 would imply twice the average pharmacy resource consumption. A similar process was used for the estimation of laboratory weights, radiology weights, etc. These weights were then combined with the patient service statistics to generate an allocation matrix for mapping FCC costs into DRGs.

It is, however, probable that the profile of resource consumption, by DRG, for nursing and ancillary services will be different in Ireland compared with the United States. This is a hypothesis which would need to be tested in some future study. The use of these data in this study is based on the assumption that the application of a common set of allocation weights for the apportionment of final cost centre costs to the DRG level will provide some insight into inter-hospital variations in patterns of resource utilisation associated with particular levels of case-mix. Hospitals in Ireland are not funded on the basis of patient-based costs, therefore the estimation of relative resource consumption, rather than absolute costs, assumes a higher priority in this study.

Caution is thus advised in interpreting the results of the process of DRG cost estimation presented below. We have already referred to the gaps and the inadequacies of the data used for this analysis. Relativities in trends and patterns of resource use must be given prominence over estimations of absolute cost. The reservations expressed above regarding the application of externally developed allocation weights have greatest relevance to the estimation of absolute costs. Because the same basis for cost estimation is used, the effect of using these data is, however, expected to be minimised where inter-hospital relativities are concerned. International comparison of DRG costs are also avoided to safeguard against any erroneous interpretation of the results which follow.

Results of Pilot Study of DRG Costs

In Appendix 8 we present the estimated average cost by DRG for the study hospitals combined. Cost information is only presented for those DRGs represented in the hospitals in the study. The 1984 costs are shown,

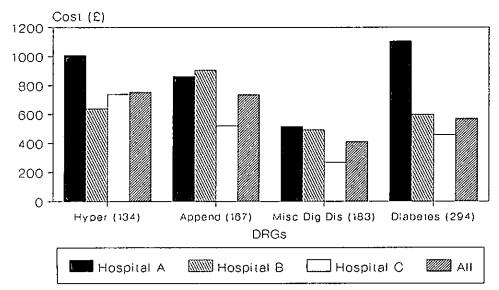
together with these costs estimated at the 1988 level. Caution must again be urged in the interpretation of this information, given the reservations which have already been expressed about the adequacy of the data available for the estimation process.

To facilitate some appreciation for the inter-hospital variation in DRG costs which emerged from the study, the estimated costs of treating patients in each of the three hospitals in a number of high volume DRGs is presented in Figure 6.3. For three of the four DRGs examined here, DRG 167, 183 and 294, Hospital C has the lowest average cost, while Hospital B has the lowest cost for treating patients in the fourth DRG, 134. For DRGs 294, 183 and 134, the average cost is highest for Hospital A. While one hospital does not consistently come through with the highest or lowest average cost for each of these DRGs, the trend would suggest that, after standardising for case-mix, costs will tend to be higher in Hospital A and lower in Hospital C, relative to the others in the group.

To facilitate a more meaningful interpretation of the cost data provided for the hospitals, the cost estimates presented in Appendix 8 have been standardised to produce a cost weight. The cost weight for each DRG is the ratio of the average cost for the DRG to the average cost across all DRGs. While the development of a mechanism to relate hospital costs to hospital activity was our first objective here, a more fundamental objective is the

Figure 6.3

Average Cost per Patient for Selected DRGs: Hospitals A, B, C



assessment of relative resource consumption between different patient types. As the cost weights constitute a standardised measure of relative resource consumption by DRG, they provide a tool for quantifying the relationship between hospital activity and hospital resource use.

For the data presented in Appendix 8, a cost weight of 1 is worth £639.38 at the 1984 cost level and £772.37 at the 1988 cost level. The average cost of treating a patient in a DRG with a cost weight of 2 would therefore be £1,278.76 (i.e., £639.38 x 2) at the 1984 level and £1,544.74 (£772.37 x 2) at the 1988 level. DRG costs, like other costs, change over time due to such factors as inflation, wage increases and the many other influences which contribute to cost increases in all sectors. While the DRG cost weights might be validly used from one year to the next for estimating expected resource consumption by DRG, the unit value will change, as illustrated here, to keep in line with changing cost levels generally.

Changes in the cost weights themselves will also be required from time to time where information becomes available on changes in relative resource consumption by DRG. This might arise, for example, where advances in technology result in an alternative treatment option being substituted for a long-established procedure adopted for the treatment of a specific problem. The increased and widespread use of shock wave lithotripsy as an alternative to surgery for the treatment of certain types of kidney stones is one example of an occasion when the cost weight for this condition had to be adjusted to reflect changes in relative resource consumption resulting from changes in the treatment process applied.

This is the first attempt at producing costings on a case-mix basis for Irish hospitals. We therefore have no other Irish data which can be used for comparison with the results of this pilot study. Limitations on the comparability of the Irish cost data have been readily acknowledged. As the DRG cost weights are, however, proposed as a measure of relative resource consumption, it was considered reasonable to measure the strength of the relationship between the cost weights estimated for the Irish study hospitals and the DRG weights in use within the US Medicare programme for the period covered by the Irish study. If A statistically significant

11The Medicare DRG weights are estimated on the basis of charges, while the Irish DRG weights are estimated on the basis of costs. This is an important distinction because costs and charges are not interchangeable, though they are related. Charge-based DRG weights were estimated for use within the Medicare programme because adequate cost data were not available at the time. A subsequent study directed at estimating the effects of using charge-based rather than cost-based DRG weights within this programme found that the substitution of cost-based weights for charge-based weights would not result in a change in aggregate payments within the system as a whole, though this substitution would result in some redistribution of payments from the surgical DRGs to the medical DRGs (Price, 1989). The fact that the Irish DRG weights are cost-based, and the Medicare DRG weights are charge-based demands that the results for the correlation analysis between both sets of weights presented here should be interpreted with some caution. The outcome of the Price (1989) study does, however, provide support for the acceptance of the strong, positive relationship indicated by the analysis as valid.

(p > 0.0001) correlation coefficient of 0.78 was estimated for the Irish DRG weights and the US Medicare DRG weights. This correlation suggests that the relationship between relative resource consumption across the DRGs common to both systems is quite strong. It is, of course, accepted that there is a great difference in absolute terms in resource consumption at the DRG level between the US Medicare programme and the Irish study hospitals. While Irish data were used to disaggregate cost data to the cost centre level, US relative value units were used to disaggregate costs from the cost centre level to the DRG level. While it is possible that this factor may have an influence on the strength of the correlation observed for the Irish and the US DRG weights, it is not clear if this is, in fact, the case. This question can only be answered when sufficient Irish data become available to fully support the costing process.

These results go some way towards supporting the robustness of the process used for DRG classification and the derivation of DRG costs. Despite variations in the availability of cost data, the cost finding process proved to be adequately adaptable so that the objective of estimating DRG costs was successful in all hospitals in the study.

Success in the estimation of DRG costs and cost weights is, in itself, of limited usefulness unless some mechanism can be derived which will facilitate the application of this information within the hospital system. It was stated at the outset of this report that two of the basic unknowns accounting, in large part, for the difficulties encountered in achieving (or indeed measuring) efficiency in the hospital sector are the definition of the hospital product and the ability to relate resources consumed to hospital activity. If this starting point is accepted, the fact that classification by DRGs, together with the estimation of DRG costs, has been shown to be feasible in the Irish context, should immediately open previously locked doors leading to improved techniques for the allocation and management of hospital resources. This process should also enable the quantification of the relationship between hospital activity and the resource requirements implied by the case-mix supported at the hospital level. In the next section, one example is presented of how the technique and information presented here can be applied towards the achievement of these objectives.

Applications at the Inter-Hospital Level

One immediate difficulty faced in attempting to assess the resource needs of a hospital is the quantification of the relative costliness of the case-mix treated by the hospital. A measure which could now assist in the achievement of this objective is the *Case-Mix Index* (CMI) (Fetter and

Hindle, 1988). The CMI is essentially a measure of the relative costliness of the hospitals case-mix and may be defined as follows:

$$CMI_j = \sum_{i=1}^{470} [N_{ij} * W_i] / \sum_{i=1}^{470} [N_{ij}]$$

where CMI; the case-mix index of hospital j

 N_{ij} : the number of patients in DRG i at hospital j

Wi : the cost weight for DRG i

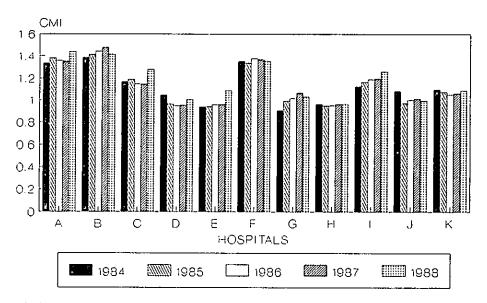
A case-mix index of 1 means that costliness of the case-mix treated by the hospital is the same as that treated by all hospitals in the group combined. A CMI value of less than 1 means that the hospital, on average, treats a relatively less costly case-mix while a CMI value of more than 1 indicates that the hospital treats a more costly case-mix relative to all hospitals in the group combined.

The case-mix index for a number of health board and voluntary hospitals has been estimated and presented in Table 6.1, and shown graphically in Figure 6.4. The experimental nature of this exercise must again be emphasised as the cost weights developed for the Irish hospitals have been used. The list of Irish cost weights was not complete as all DRGs were not represented in the pilot hospitals. Cost weights were missing for 47 DRGs in total. To proceed with the calculation of the CMI it was decided to incorporate the US DRG weights where Irish DRG weights were

Table 6.1: Case-Mix Index for Selected Irish Hospitals, 1984-1988

Hospital	1984	1985	1986	1987	1988	Percentage change 1984-1988
		····				%
Α	1.333	1.381	1.357	1.350	1.439	+ 8.0
В	1.385	1.412	1.443	1.478	1.416	+ 2.2
С	1.168	1.190	1.150	1.149	1.279	+ 9.5
D	1.050	0.966	0.950	0.955	1.006	- 4.2
E	0.943	0.942	0.960	0.963	1.092	+15.8
F	1.352	1.338	1.378	1.370	1.355	+ 0.3
G	0.907	0.993	1.019	1.070	1.033	+13.9
Н	0.967	0.949	0.953	0.966	0.970	+ 0.3
1	1.128	1.168	1.191	1.200	1.262	+11.9
J	1.086	0.975	1.004	1.018	0.996	- 8.3
K	1.102	1.076	1.053	1.066	1.093	- 0.8

FIGURE 6.4 CASE MIX INDEX FOR SELECTED HOSPITALS IRELAND, 1984-1988



missing. The DRGs concerned were not high volume DRGs, for the most part, so we do not believe that the use of this supplementary data had a major effect on the outcome. The identity of the hospitals must again remain confidential so the letters A to K have not been assigned to imply any particular order with regard to hospital size or type.

Table 6.1 presents the case-mix index for the 11 hospitals for each of the five years 1984, 1985, 1986, 1987 and 1988. The proportional change in the CMI for each hospital between 1984 and 1988 is shown in the final column. Variations between hospitals and over time are evident from Table 6.1 and Figure 6.4. The 11 hospitals tend to fall logically into two groups: Hospitals A, B, C, F and I have an estimated CMI substantially greater than 1 for each year in the study, while the remaining hospitals (D, E, G, H, J, K) have a CMI close to, or less than 1, for the same time period. This means that the case-mix treated by Hospitals A, B, C, F and I is more costly, relative to the average for all hospitals, while the costliness of the case-mix treated by the other six hospitals is close to, or less than, the average over the period.

Over the five year period, Hospitals B, A and F rank in the top three as treating the most costly case-mix relative to all other hospitals. For four of the five years studied, the case-mix treated by Hospital B is the most costly,

relative to the other hospitals in the group. The greatest percentage increase in the CMI over the period is found for Hospital E, where the costliness of the case-mix treated increased by 15.8 per cent between 1984 and 1988. Hospital J shows the greatest percentage decline in the costliness of the case-mix treated over the period with a drop of 8.3 per cent in the CMI between 1984 and 1988. It is interesting that the direction and magnitude of the changes observed for the CMI are not necessarily consistent in any one time period, underlying again the importance of adjusting for case-mix in any analysis of changes in the nature of hospital activity and resource requirements.

The usefulness of the CMI is evident in facilitating a ranking of hospitals with regard to the costliness of the case-mix treated. This ranking might also translate into a hospital hierarchy for the purpose of estimating cost expectations. While the trends observed in Table 6.1 are of some considerable interest, we are not in a position to provide all of the information necessary to facilitate a comprehensive understanding of the information presented here. The missing information relates to the actual expenditure of the hospitals in question over the relevant period. This information could not be provided without breaching the confidentiality of the hospitals concerned. This does not, however, preclude us from asking questions like, for example, if the costliness of the case-mix treated by hospital A in 1988 is shown to be almost 50 per cent greater than that treated by hospital H, does this mean that a similar level of variation should be expected in the expenditure levels for the two hospitals? Additional questions need to be directed at the budgeting process and whether the budgets allocated to these hospitals reflect the observed variations in the case-mix treated. These questions cannot be answered in this report because of confidentiality constraints and, also, because the report is primarily concerned with testing the application of an approach to measuring case-mix for acute hospital services. The questions raised here regarding the relationship between the costliness of the case-mix treated by a hospital and the hospitals budget and expenditure are, nevertheless, important and should be followed up subsequently in a more appropriate forum.

The potential offered by the case-mix index as a support tool in any exercise directed at resource allocation between hospitals should be apparent. Where agencies have previously had to depend on inadequate measures like variation in bed-day costs to attempt to differentiate the needs of different hospitals, the CMI offers some potential as a mechanism which enables the quantification of the relative costliness of the case-mix treated by a hospital.

CONCLUSION

This chapter began with a presentation of one approach to the estimation of a DRG cost model and proceeded to a discussion of the application of this model in a pilot project involving three Irish hospitals. The pilot project proved successful in that costs by DRG were estimated for the study hospitals and the technique applied proved adaptable to different hospital types with different levels of data availability.

Reservations must, however, be expressed about the quality and timeliness of the cost data used for this exercise and, in particular, potential problems arising from the non-availability of patient level data on nursing and ancillary service use. Used with caution, however, the cost weights derived for the DRGs from this pilot study provide a standardised measure which might be used as a basis for developing measures like the case-mix index. The estimation of the case-mix index for 11 hospitals served as an illustration of the potential which this measure offers towards the objective of quantifying the costliness of the hospital's case-mix when compared with the case-mix supported by other hospitals.

Having demonstrated the facility to measure and to cost hospital casemix, the next chapter reviews a number of possible applications for these potentially powerful techniques.

Chapter VII

CASE-MIX APPLICATIONS: RESOURCE ALLOCATION AND INTERNAL HOSPITAL MANAGEMENT

Introduction

While the discussion in previous chapters has concentrated on techniques for measuring and costing hospital case-mix, this chapter will concentrate on possible applications for these techniques within the acute hospital system. While there is a wide range of potential applications, two specific levels of application will be considered in detail here: (i) case-mix based budgeting for acute, in-patient hospital services; and (ii) product line management for hospitals (Wiley and Leidl, 1989; Wiley, 1990B).

Case-Mix Based Budgeting for Acute, In-patient Hospital Services

Prospective Payment and Case-Mix Measurement

Prospective payment for hospital care has been the norm in many European countries for some time. Finland, France, Ireland, Sweden, the Netherlands and the United Kingdom, among others, all fund hospital services on the basis of prospectively determined annual budgets (OECD, 1987, Glaser, 1987).

While there are variations between these countries in the methodology adopted for the estimation of hospital budgets, the major differences between the approach prevailing in these European countries and the US is that the US Medicare system is case-mix based and patient based, whereas in Europe payment tends to be based on a global budgeting or per diem method (Wiley, 1988).

The decision to adopt a prospective payment approach to hospital funding may be taken independently of the decision to incorporate a casemix measure into the funding or payment mechanism. In addition, the decision to use a case-mix measure should not lead to the immediate conclusion that DRGs are going to be used, despite the fact that currently the most extensive application of a case-mix based reimbursement system, as found within the US Medicare programme, is based on the DRG approach. Improvements in the DRG system and other available systems

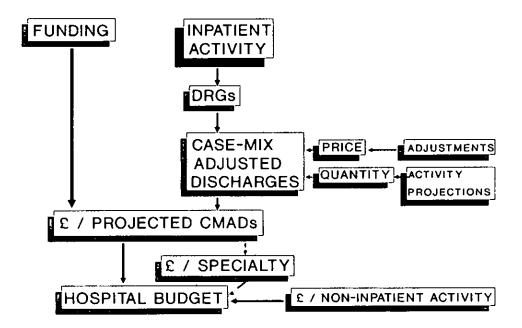
can be expected over time so the choice between case-mix classification systems will logically follow a decision, in principle, to adopt a case-mix based approach to resource allocation and management.

Because the budgeting approach to prospective payment for hospital services has been predominant in Ireland, the following presentation of an alternative approach to resource allocation within the hospital programme has been developed within this framework. One of the most serious and most frequently voiced criticisms of traditional approaches to hospital budgeting is that budgets do not accurately reflect the relationship between activity and funding within the hospital. The accurate quantification of the relationship between hospital activity and hospital funding demands that both sides of the equation can be related by means of some common unit of measurement. One approach which may offer some potential for the achievement of this objective in the Irish context is outlined in the following section.

Case-Mix Based Global Budget Model

The essential elements of the proposed approach to the estimation of case-mix based global budgets is presented in Figure 7.1. The measure of case-mix used for the presentation and discussion of the model in this

FIGURE 7.1
GLOBAL BUDGET MODEL



context is the DRG approach, though it must again be stressed that the application of the basic approach is not dependent on the use of this particular measure of hospital case-mix.

In discussing the model in Figure 7.1, we will begin with the progression on the activity side of the model. The first step proposed here, towards the objective of quantifying in-patient activity, is the assignment of the hospital case load to DRGs in accordance with the process described in Chapter III. Following the completion of this assignment, the next step involves the estimation of "case-mix adjusted discharges" for the hospital. The procedure applied for the estimation of the case-mix adjusted discharges (CMADs) (Fetter and Hindle, 1988) may be summarised as follows:

$$CMADs_{j} = \sum_{i=1}^{470} (N_{ij} * W_{i})$$

where:

CMADs; is the number of case-mix adjusted discharges in Hospital j;

Nii is the number of discharges in DRGi at Hospital j;

W_i is the cost weight for DRG_i.

The estimation of total case-mix adjusted discharges (CMADs) for the hospital may be concisely summarised as the product of the number of discharges in each DRG by the DRG-specific cost weight, summed across all DRGs.

The concept of the DRG cost weight was introduced in Chapter VI and may be defined for the purpose of this application as "the conversion factor necessary to set a price for a hospital product, defined as the discharge of a patient categorised into a DRG" (Prospective Payment Assessment Commission, 1985 p.4). Each unit of the DRG cost weight may be assigned the same monetary value. DRGs comprised of more resource intensive patient types will attract a higher cost weight (i.e., more DRG cost units). It therefore follows that a more resource intensive patient mix will generate a relatively greater number of DRG cost units. The nature of the relationship between the CMADs estimated for a hospital and the hospitals discharges will be a function of the proportion of resource intensive patients treated by the hospital. If the number of resource intensive patients treated by the hospital is high, relative to the hospital's case load, then the number of CMADs estimated for the hospital would be expected to exceed the number of discharges.

Having estimated the CMADs for the hospital, a standardised measure of hospital activity, adjusted for case-mix, is now available as an input into the

budgeting process. At this stage of the process, two factors which require decisions are (i) the price per CMAD which will be funded and (ii) the projected activity which will be funded for the budget period.

The determination of these factors will not depend exclusively on technical considerations but will require a strong policy input by the funding agency. The determination of a price/CMAD, and the relationship between the price and the projected cost/CMAD will depend on the funding agency's approach to allowing adjustments for factors generally believed to have an influence on resource requirements at the hospital level. Price setting may also be used by the funding agency to provide incentives to hospitals to reduce costs and/or to bring costs more into line with an acceptable standard for the type of hospital in question.

An additional important issue which arises with regard to the determination of a price level, is the planned rate of progression towards the adoption of a national standard, rather than a hospital-specific standard. Within the US Medicare programme, the full implementation of the prospective payment system, based on federal payment rates, took a number of years to complete. During a pre-determined transition period, a blend of hospital-specific and Federal payment rates was used, with the overall proportion of the hospital-specific rate declining annually until ultimately the full payment rate was based on the Federal level (Kalison and Averill, 1984; Russell, 1989). Again, the timing of full implementation of uniform payment rates within any health system is a decision which will have to be made in the policy arena and will, to some extent, be influenced by the level of dispersion known to exist between hospital-specific and national payment rates. The importance which policy makers attach to the application of a uniform payment rate across hospitals will also influence the pre-determined rate of progression towards the full-scale implementation of a case-mix based global budgeting system.

Care must be taken here to ensure that any adjustments which are made to the projected price and activity levels are based on factors which are known, rather than assumed, to have a significant effect on resource use. The factors which might be tested to assess the strength and significance of their relationship with hospital resource use include: the demographic composition of the population served by the hospital (e.g. dependency ratio), the geographic location of the hospital (urban/rural), hospital manpower mix, hospital teaching status, etc.

In Ireland, in particular, the extent to which these and other factors may, or may not, have a significant effect on hospital resource use demands in-depth investigation to ensure that budget adjustments will accurately reflect the nature of the relationships involved. It is worth repeating that

decisions on the type and nature of adjustments to be applied must be taken in the policy arena and are in no way pre-judged by the particular approach adopted to estimating activity or adjusting for hospital case-mix.

The estimation of case-mix adjusted discharges on the basis of actual discharges is, of course, a retrospective measure, while budget determination is a prospective exercise. The approach depicted in Figure 7.1 has the advantage that it requires that both the funding agency and the budget holder agree on what level of activity at what price is covered over the budget period. A decision must therefore be reached on the level and type of adjustment required to project hospital activity for the budget period on the basis of information on current (or most recent) hospital activity. This projection should take account of important factors influencing demand for in-patient services, for example, changing patterns of care (e.g., increasing use of day treatment as an alternative to in-patient care), declining lengths of stay, demographic trends (e.g., declining birth rate), improvements in medical technology, etc.

In determining the type and level of activity to be covered over the budget period, it may be useful for both the funding agency and the hospital to plan on the basis of specialty, as an alternative to a hospital-wide approach. Where the medical specialty framework is the basis for organisation within the hospital, it may be useful for management purposes to specify a budget based on an agreed level of activity by specialty. This approach may also be useful for service planning at the regional or national level. An alternative to the specialty, which is meaningful in conceptual and organisational terms for the hospital, may also be substituted here.

Within the global budgeting model, the budget for in-patient hospital services may be summarised as the product of the price per unit of activity (CMAD) by the projected level of activity over the budget period. This discussion of a DRG-based approach to hospital budgeting is, of necessity, restricted to in-patient services. It is recognised, however, that the estimation of a budget for all non-in-patient services, including out-patient, casualty, etc., will have to be addressed separately, and ultimately integrated within a comprehensive hospital budget model.

Global budgeting does not presume that any particular approach will be adopted for financing *capital* requirements. The global budgeting model outlined here may be restricted to funding revenue requirements with a separate system being put in place for the allocation of capital funding. If funding for capital expenditure is going to be put through the system independently of the revenue allocation system, possible areas of interaction or overlap between both systems may need to be investigated.

Resource Allocation for Irish Hospitals

The global budgeting model as described here would seem to have considerable potential for application in the Irish context. We have shown in this study that hospital activity data are available in a form which allows classification into DRGs. The DRG data can then be transformed into casemix adjusted discharges following the application of the DRG weights which are considered most appropriate. The estimation of CMADs on a hospital by hospital basis is therefore feasible and achievable in the Irish context. This is really the pivotal point of the model and is an essential prerequisite for the approach to budgeting on a case-mix basis which is presented here.

The specificity of the projection of activity for the budget period on a hospital by hospital basis, and the estimation of a price per CMAD, will depend, to a great extent, on the specificity of the information which is available. If individual hospitals are expected to take on, or lose, service commitments in particular specialties, the appropriate adjustment can be made to the level of CMADs assigned. At the crudest level of operation, the price per CMAD can be estimated on the basis of available funding. It would be more desirable, however, to develop a more accurate and more specific basis for determining funding levels which reflect a standardised approach to costing, and make appropriate adjustments for additional factors shown to have a significant relationship to resource use at the hospital level.

While the research conducted for this study has specifically addressed the area of case-mix measurement and analysis in the context of the Irish hospital system, the information currently available on the nature of the relationship between hospital resource use and variables such as teaching status, geographic location, population structure, etc., is currently inadequate. These questions, and others, now have to be dealt with on an ad hoc basis within the funding system because the information is not available to enable a more accurate estimation of the nature of the relationships involved. While this type of information is being sought, however, the estimation of a case-mix based hospital budget may proceed with ad hoc adjustments applied, as required, pending the determination of more accurate information on these factors over time.

The introduction of a case-mix measure into the hospital budgeting process in Ireland should not be delayed until "the perfect model" with "a complete data base" is developed. It is unlikely that such an objective is feasible and, if so, it would take too long to achieve to be viable. The unfortunate consequences of a delay in reforming the funding process to reflect the knowledge and the technology which is now available may be

manifest in the perpetuation of inequities in resource allocation between hospitals which would become increasingly difficult to correct (Wiley, 1990B). The use of a case-mix measure, in itself, should initially provide enough information to enable the development of an equitable basis for resource allocation between hospitals, with more specific measures being introduced over time as more detailed information becomes available.

The first step in this direction has, in fact, been taken by the Department of Health with the setting up of the Resource Allocation Group in October 1987 to work towards the development of an objective basis for allocating funds to hospitals which will reflect the relationship between funding and hospital activity. A pilot study involving 12 hospitals was undertaken in 1988 and this was extended to 27 hospitals for 1989. This study was initially involved in a data collection effort and has proceeded to undertake the estimation of relative case loads and associated costs for the participating hospitals. The opportunity offered by this study to test the operational potential of using a case-mix based measure of hospital activity within the framework of a global budgeting model is very valuable and is being explored on an ongoing basis.

While the development of techniques for resource allocation at the inter-hospital level may be a priority for a central or regional funding agency, internal resource allocation at the hospital level must also be addressed if hospital resources are to be used efficiently. One approach to the integration of case-mix techniques for internal management purposes will be described in the following section.

Product Line Management for Hospitals

At the outset, this study identified problems in defining the hospital product as a major contributing factor to difficulties encountered and observed in resource management at the inter- and intra-hospital level. To demonstrate the contribution which advancements in case-mix measurement may make to overcoming some of these problems, a product line management model for hospitals will be described here.

Traditionally, the organisation and management of hospitals has been centred around the production of what we now call the "intermediate outputs" of the hospital, i.e., surgical procedures, laboratory procedures, meals, etc. Typically, non-medical staff have reporting responsibility for operating departments which range from those providing direct medical services (e.g., cardiology, orthopaedics) to the support service departments (e.g., pharmacy, radiology).

While the medical staff are the ultimate managers of the hospital's resources, their role in this regard has tended to be less well defined,

compared with the management structure of the administrative staff. In general, there has tended to be limited, if any, integration of the medical and non-medical components within the hospital management structure. While individual hospitals might vary in the particular structure applied, this essentially hierarchical approach to hospital management is presented graphically in Figure 7.2.

One of the many problems with an organisation of the type depicted in Figure 7.2 is that it does not accommodate the many inter-connections between service areas required for patient care. The treatment of a patient may require the provision of many services, including meals, laundry, operating theatre time, X-rays, lab tests and medications. Within the hierarchical management structure there is great difficulty in relating service provision from many different departments to a particular patient type.

If it is accepted that the hospital product should be defined as the combination of services and outputs prescribed by the attending physician to treat the needs of presenting patients, then it follows that the hospital's management structure should be adapted accordingly. In considering such an adaptation, Fetter and Freeman suggest that "what is needed is a structure that recognises the products and product lines treated

CEO MEDICAL STAFF Director Associate Associace Associate Director Finance Director Director Director Personnal Cost Reporting Blood Bank Dietary Ansesthesia Benefits & Pensions Cardiac Cath Lab Payrol 1 Pharmacy Clinical Liaison Labour Relations Financial Planning Linen Service EKG Dialvsis Recruitment System Planning Laboratories Mail Service Emergency Room Personnel Health Pulmonary Housekeening Nursing Services Wases & Salary Radiology Transport Services Operating Room

FIGURE 7.2: HOSPITAL ORGANISATION CHART

Source: Adapted from Fetter and Freeman (1986)

individually and collectively by physicians...A matrix structure captures this idea in operational terms" (Fetter and Freeman, 1986, p.47).

The application of matrix management to hospitals was first proposed by Neuhauser (1972) and has since been greatly advanced with developments in case-mix measurement techniques. A DRG-based approach to matrix management is presented in Figure 7.3 for illustrative purposes.

What is clear from Figure 7.3 is that teams of physicians are expected to have responsibility for patients grouped on a DRG basis. This approach will facilitate a prediction of the resources which may be required by patients in the different DRGs and will also enable the physicians to track patients through the individual departments if they need to specify the services used or needed by the patient.

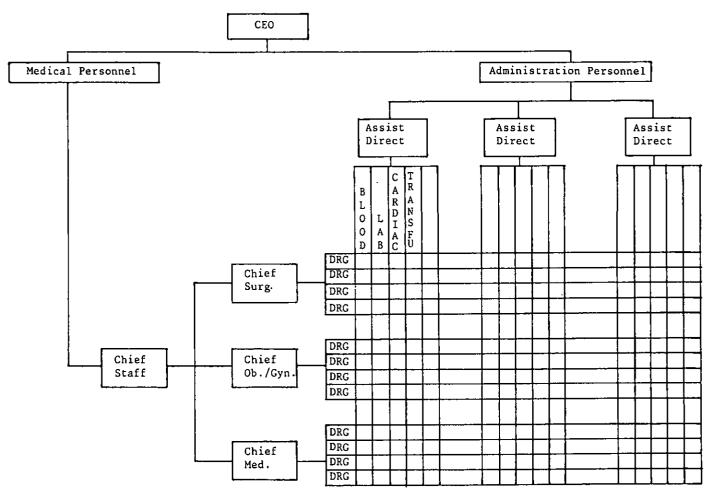
The administrators, in turn, have clearly defined lines of responsibility which also cut across the DRGs. This means that these non-medical managers will be able to relate utilisation of the support services to particular patients and patient types. The essential point here is that there are two lines of responsibility and authority which meet at a common point: the DRG.

Within this system clinicians, as product-line managers, are responsible and accountable for determining the utilisation of the relevant resources and the service mix required to treat the patients within their groups. The administrators, on the other hand, must be responsible and accountable for the intermediate product centres and the production of those services required for the provision of patient care.

For each management group, both services and costs can be related to a common unit, the DRG. Communication between both groups is thereby facilitated as a common language is shared by all resource managers. The potential for planning will also be greatly enhanced as both sets of managers become more proficient at predicting resource requirements for the particular groups of patients treated.

Within the matrix management model, the hospital's inputs and intermediate outputs can be directly related to the hospital's products. From this basis, performance and efficiency at the departmental and the hospital level may be accurately assessed.

FIGURE 7.3: MATRIX MANAGEMENT OF HOSPITAL SERVICES



Source: Adapted from Fetter and Freeman (1986)

CONCLUSION

In this chapter, alternative approaches to the estimation of hospital budgets and the management of hospital resources have been explored. It seems clear from the preceding discussion that, within the broad constraints of the different models presented, there is substantial scope for pursuing a number of different options for the improvement of the methodology which is currently in use for the purpose of resource allocation within the hospital programme and at the internal hospital level.

In Ireland, progress towards the development of an operational, case-mix based budgeting model for hospitals is probably moving faster than progress towards the development of product-line management techniques for implementation within the hospital. The techniques used for resource allocation and management at the centre and at the hospital level will, inevitably, interact (Wiley, 1988). Over the long run, therefore, effecting progress at both levels would seem to be in the best interests of ensuring that resources are used efficiently throughout the entire hospital system.

Chapter VIII

CONCLUSIONS

One of the most important conclusions to emerge from this study is that it is technically possible to define and measure the case mix treated in the acute in-patient setting in Ireland. The application of the DRG system in this study to classify acute discharges from Irish hospitals for each of the five years from 1984-1988 proved to be highly successful.

The review of the Irish hospital system presented in Chapter I identified large and significant changes in such indicators as average length of stay, utilisation of hospital bed/days and discharge levels over the 1980-1988 period. Nationally, average length of stay declined by almost one-fifth, utilisation of hospital bed/days declined by over one-quarter and discharge levels declined by just 5 per cent over this period. The results of the casemix analysis for the 1984-1988 period, however, targeted important variations in these areas of resource consumption at the patient group level which did not necessarily reflect the trends observed at the national level. Important changes in average length of stay and discharge levels over time, by hospital type and between hospitals were estimated to the patient group level within the case-mix analysis of hospital activity. The results of this analysis leads to the conclusion that the potential for success of any policy interventions directed at influencing change in the pattern and mix of hospital service utilisation will be substantially enhanced if the case-mix profile for the area under review is taken into account.

The estimation of the relationship between costs and activity within the hospital system is recognised as a critical objective in the pursuit of improvements in resource deployment and management at the hospital level. In this study, for the first time in Ireland, costs have been estimated to the patient group level with the application of a DRG-based cost model in a number of pilot hospitals. While the results of the DRG costing exercise must be treated with caution due to the fact that a small number of hospitals were involved and the available cost data were incomplete, this information does facilitate a meaningful appreciation for relative resource consumption at the patient group level, which was not previously possible within the Irish hospital system.

The fact that the case-mix analysis of hospital activity and hospital costs

undertaken for this study was successful, in addition to yielding important and interesting results, provides a strong basis from which to pursue the introduction of a case-mix measurement system within the acute hospital sector in Ireland. The range of possible management applications spans both the intra- and inter-hospital level. As DRGs provide a means of relating resource use and requirements to patient type, the potential power of the technique as a management tool is significant. It seems reasonable to conclude that if DRGs can be used to identify the areas of greatest need within the hospital system, resources may be targeted accordingly. Improvements in the efficiency of resource deployment throughout the system as a whole would therefore be expected.

The fact that the specification and the quantification of the relationship between funding and activity is an important starting point for the reform of resource allocation and management practices within the acute hospital sector in Ireland is rapidly gaining widespread acceptance. Difficulties with attaining this objective in the past have resulted in ensuing difficulties in implementing policies for the improvement of efficiency and management practices and the rationalisation of resource allocation for acute hospital services. The successful application of one measure of hospital case-mix for the analysis of both hospital activity and costs, as reported in this study, therefore constitutes an important advancement. Having overcome the obstacle of case-mix measurement, the opportunities for the successful implementation of policies for the rationalisation of resource management and deployment should be greatly expanded.

The relationship between the findings emerging from this study and proposals for health service reform which have been put forward by a number of reports in recent months will need to be considered in some detail here. First, however, an overview of relevant technical issues arising from this study will be identified, and this will be followed by a brief review of international developments of relevance to this study.

Outstanding Technical Issues

Some refinement of both the case-mix measure and the data base may be required for the development of applications in identified areas. The issues which will need to be considered include the following:

DRG Refinement

There may be a legitimate basis for undertaking adaptations to the DRGs or any other externally developed case-mix system if local practice patterns for particular conditions are found to vary significantly from the case-mix system applied. A further, more detailed, study of variation within

DRGs would be required to determine if such adaptations were required in the Irish context. It should be pointed out, however, that an investigation at this level of detail would become a priority only if applications for DRGs at the individual patient level were being considered. The use of DRGs as a case-mix adjustment at the level of the department or the hospital would not require the same level of detailed adjustment. For this type of application, we have shown in this study that the DRG system can be successfully applied as a case-mix measure for acute, in-patient hospital activity.

The DRG Grouper

The DRG analysis reported in this study was conducted with Version 3.0 of the DRG Grouper. Other versions of the DRG Grouper have subsequently been developed, and important research is currently underway which is directed at completing a major refinement of the DRG system. These developments were noted in Chapter III and are described in detail in McGuire (1990) and Freeman (1990). It is important that the use of DRGs by any agency in Ireland be preceded by agreement on one DRG Grouper as a national standard. This agreement would follow a thorough assessment of the available alternatives to determine which offered the best option for case-mix measurement in Ireland. The use of one national standard is essential if comparability at all levels is to be safeguarded and maintained.

Data Availability for Case-mix Measurement

Any discussion of data requirements must differentiate between Hospital Activity Data and Hospital Cost Data.

Hospital Activity Data: We are fortunate in Ireland in having a national discharge abstract reporting scheme and a perinatal reporting scheme already in operation. This contrasts favourably with the situation found in countries like France, Belgium, Spain and Portugal where national discharge abstract systems had to be developed in parallel with attempts to study hospital case mix.

While acknowledging the advantage offered by the existence of both the HIPE and the PRS, we have already noted in Chapter IV that some aspects of these systems warrant attention if the quality of the data is to be maintained at the highest standard. The four key areas of concern which we have identified for the development of these data bases are accuracy, comprehensiveness, quality and timeliness.

If the goal of developing a national data base of hospital activity which is

generally acceptable to all potential users is to be seriously attempted, the following objectives will be important for the achievement of this goal:

- 1. Local (i.e., hospital) responsibility for data collection and local access to relevant data bases;
- 2. Replacement of manual data collection systems with computer based systems;
- 3. The integration of all existing data bases currently concerned with acute hospital provision;
- 4. Updating and upgrading of coding support and validation checks to ensure that the quality of data is maintained to the highest standard;
- 5. The objective of comprehensive coverage of all discharges nationally should be actively pursued.

The fact that these objectives now serve as guiding principles for Department of Health involvement in the development and support of hospital information systems is to be welcomed. It is, therefore, to be hoped that the development of activity-based information systems in accordance with these objectives will be achieved in the not too distant future.

The importance of complete, high quality information on hospital activity is also recognised in the recent report on remuneration of consultant medical staff prepared by the Review Body on Higher Remuneration in the Public Sector (1990) (also referred to as the Gleeson Report) which includes a specific recommendation that:

There should be a contractual obligation on consultants to provide information for hospital information systems on diagnoses, treatment, length of stay, etc. We are satisfied this can be achieved without breaching the confidentiality of the individual patient/doctor relationship (p.26).

The early implementation of this recommendation will be crucial to the achievement of the required objectives for a hospital activity data system at national level which can support sophisticated measures of hospital case mix on an ongoing basis.

Hospital Cost Data: Despite significant recent advancement, systems for collecting hospital cost data in Ireland are less well developed and less widespread, compared with the hospital activity data systems. This problem was also recognised in the Gleeson Report which commented that:

The lack of information on matters such as cost of procedures, cost comparability between different units and even the number of procedures actually carried out at particular hospitals was the subject of severe criticism by consultants. These criticisms seem to us to be well founded (p.26).

While hospitals are required to return a standard set of financial accounts to the Department of Health annually, there are no requirements for hospitals to return more disaggregated expenditure data. The three hospitals included in the pilot study of DRG costs for this project are a good indication of the variation between hospitals in the availability of cost and expenditure data. It must be accepted, however, that greater expansion and refinement in these data systems will be very dependent on developments in computerisation at the hospital level as the data demands could not be adequately fulfilled on a manual basis. A programme for computerisation of hospital data requirements has been developed by the Department of Health and is being implemented on an incremental basis, as resources allow.

The resource constraints may mean, however, that the deployment of full scale financial systems may not be as rapid as the hospitals and the Department would desire. In this event, it would be very helpful if a number of interim measures were adopted by the hospitals. One such measure would involve the adoption of a standardised cost centre breakdown for reporting financial expenditure. A standardised format has been developed by the Department of Health which covers the complete range of cost centres encountered in the hospital. The adoption of this format will greatly facilitate further studies of hospital costs and improve the potential for inter-hospital comparisons of expenditure profiles and case-mix adjusted costs. The objectives of accuracy, comprehensiveness, quality and timeliness must also be adopted for any financial systems developed if the data are to be accepted as valuable for all potential users.

A final point which should again be stressed, because it has general application for both activity and financial systems, is the importance of local responsibility for data collection as a pre-requisite for generating local commitment to the data system. This would, in turn, be expected to contribute to the maintenance of the highest standards of data quality. In return for responsibility and commitment at the local level, access to local data bases must also be facilitated as required.

International Developments

The fact that the DRG system was developed in the United States has caused some commentators to conclude that this system is specific to the US health care system. There is no doubt that the US system, essentially private and insurance based, is very different to the Irish health care system, and most other systems found in Western Europe, so concerns about the transferability of US developed systems are understandable. While the US system facilitated the supply of data, technology and

expertise for research on case-mix measurement, we have already noted in Chapter III that the suitability of the DRGs for use in other types of health care systems was a prerequisite for their development. This study, together with similar research and experimentation with DRGs in thirteen countries in Europe and a number of Australian states, provides very solid evidence for the achievement of this objective (Palmer, et al., 1989). The DRGs constitute a measure of acute hospital case-mix which is not specific to any particular type of health system.

While recognising that DRGs are a stand alone case-mix measure, it must also be acknowledged that the US Medicare programme provides the longest established example of a case-mix based system of reimbursement for hospital services. As this system has now been in place since 1983, it is opportune to consider the findings of a recent comprehensive and independent evaluation of the Prospective Payment System published by the Brookings Institution.

In this book, Medicare's New Hospital Payment System: Is It Working?, Russell (1989) sets out to undertake an assessment of the performance of the Medicare Prospective Payment System with reference to the twin dimensions of financial savings and quality of care. Following a detailed and careful analysis of available evidence, Russell concludes, with regard to the first objective, that:

Prospective payment has succeeded in its primary objective, slowing the growth of medicare spending... Expenditures from the Hospital Insurance Trust Fund, which pays hospital bills, are running substantially below the levels projected before prospective payment was passed: they are now expected to be \$18 billion less in 1990 than was estimated in the early 1980s - a saving of about 20 per cent (p.84).

While acknowledging the significance and importance of savings of this magnitude, the author took the investigation to a greater level of detail to measure what could be considered to be the "real" savings, given the possibility that cost shifting could also have contributed to the savings observed. Changes in treatment patterns were observed, resulting in fewer hospital admissions, reduced use of tests and procedures, shorter hospital stays and the "lowest occupancy rates in four decades" (p.83). The shift of many services to the out-patient setting has resulted in substantial development of out-patient departments, day care units, home health programmes etc. It is estimated that approximately 40 per cent of all surgery in the US is now being done on an out-patient basis (Guterman, et al., 1988; ProPAC, 1987). When the cost implications of such changes in practice patterns were taken into account, however, the savings associated with PPS continue to be very significant, and Russell concludes that:

Even when extra spending for outpatient care, possibly due to prospective payment, is deducted, the net saving in 1990 is more than \$17 billion. Studies of other payers show that the savings have not been achieved at their expense, as was initially feared might be the case. If anything, prospective payment has reduced their expenditures as well as those of the medicare programme (p.84).

With regard to the crucial question of the effect of PPS on quality of care, Russell acknowledges that while this is less easy to determine, "indirect measures of quality, such as readmission to hospitals or transfers to other institutions, offer no clear-cut signals that prospective payment has brought ill effects" (p.84). Russell notes that serious concern about quality of care received a major impetus with the move to PPS in 1983 as it had been largely taken for granted previously. The requirements covering data collection and routine quality reviews are considered to be a significant bonus arising out of the move to prospective payment.

While acknowledging the achievements of the Medicare prospective system as documented by the Russell (1989) study, it would be incorrect to conclude that the DRGs were in any way pre-ordained for use exclusively within this framework. If the DRGs are correctly recognised as a system for classifying discharges into homogeneous diagnostic groups based on expected resource use, then this misconception will be successfully repudiated. It must again be emphasised that where the required data are available, classification and applications for case-mix measures in general, and DRGs in particular, are independent of the prevailing health care system. This conclusion is supported by strategies for reform which have been proposed or adopted in a number of European countries and in Australia. A brief review follows of a select number of these proposals.

"Working for Patients", the White Paper published in the United Kingdom in January 1989 represents one such proposal for health system reform. In this White Paper, the importance of linking information about the diagnosis of patients and the cost of treatment is accorded a high priority. While research and experimentation on the development and application of case-mix measures continue, the most widely used measure in resource management sites to date has been the DRG system. Based on this experience, it is concluded that "all the evidence to date suggests that UK data can be successfully grouped into DRGs and that the resultant groups are medically valid and resource homogeneous" (Mills, 1989, p.10). The resource management initiative has now been extended to a large number of acute hospitals in England with a view to "linking improvements in the coding of medical records and experimentation in analysing activity data into case-mix groups" ("Working for Patients" (1989), 2.15). The

objective is to incorporate up to 260 acute hospitals within the resource management process by 1991-1992.

Important reforms have actually been implemented in Portugal where the allocation of budgets to hospitals for 1990 incorporated an adjustment for case mix based on DRGs (Bentes, et al., 1989). In Australia, the federal government and a number of State governments have devoted substantial funds to support research and experimentation on case-mix measurement and applications, including a number of large scale projects on DRGs specifically. Hindle, et al., (1990) report that "since 1985, the South Australian Health Commission has been preparing to move away from hospital budget allocations based on historical expenditures, and towards funding based on measurement of outputs" (p.2).

Given the explicit and acknowledged importance of case-mix measurement in the proposals for health system reform reviewed here, the question arises as to whether recent proposals for health system reform in Ireland portray a similar perspective. This question will now be addressed.

Health System Reform in Ireland

Two important reports dealing with different aspects of the health services in Ireland have been published in recent months: the report of the Commission on Health Funding was presented to the Minister for Health in September 1989 and the report of the Review Body on Higher Remuneration in the Public Sector (the Gleeson Report) presented its recommendations for hospital consultants to the Minister for Finance in June, 1990. The findings emerging from the present study could have significant implications for the implementation of a number of important recommendations proposed by these reports.

The Commission on Health Funding was set up in 1987 with a broad brief to examine the financing and funding of the health service as a whole. The recommendations of the Commission on the funding and financing of the acute hospital sector in particular, are of specific relevance to our interests in this study.

The approach currently in use for financing public hospitals in Ireland was described by the Commission as an approach "based on incremental budgeting, so that a hospital's allocation is, in general, based on its level of expenditure for the previous year, with adjustments made for inflationary factors, changes in service provision, and government policy on the overall level of expenditure" (p. 251). While the Commission accepted that this approach could be effective in limiting overall expenditure provided that the hospitals were not permitted to overrun their budgets, the Commission attributed the main weakness of the approach to the fact that "it sustains,

over time, the cost differences between efficient hospitals and resourcewasting ones" (p.251). From this basis, the Commission concluded that this deficiency could be best overcome by "the development of a system of measuring the output of hospitals, and relating this to their budgets. In practice this requires measuring activity in terms of the case-mix, and identifying the cost of each type of case" (p.251).

As a means of overcoming the problems identified and achieving the objectives considered crucial to the development of an efficient and effective approach to hospital funding, the main recommendation put forward by the Commission in this area was that:

Hospitals should receive global budgets for the provision of an agreed service level. The calculation of these budgets should be based on an assessment of the activity level implied by the hospital's agreed role and catchment area, and the case-mix based cost of meeting this (p.257-258).

In considering how this approach might be implemented, the Commission noted the research on case-mix measurement and costing reported in the present study and proceeded to recommend that "the work on deriving case-mix based cost weightings should be extended to cover a wide range of acute hospitals" (p.252). A number of points were put forward as justification for this recommendation, including the fact that the pilot project (reported here) has shown that valid results can be derived from a case-mix analysis of hospital activity and hospital costs; information on the relationship between output and the cost of inputs is required if hospital management is to deliver efficient and cost effective services; and, finally, that the extension of the existing research to a greater number of hospitals would enable differences in the cost of various types of activity to be identified (p.253).

Both the research project reported in this study and the Commission on Health Funding had the same starting point where the resourcing of the acute hospital services is concerned in identifying the absence of a specified relationship between hospital resources and hospital activity as the greatest weakness in the approach currently adopted for the funding of hospital services. This research and the report of the Commission also come to the same conclusion, i.e., that an equitable and efficient basis of resource allocation to the acute hospitals requires that funding be related to the case mix treated by the hospital.

Concern about current approaches to resource allocation for hospital services was also expressed in the Report on Hospital Consultants published by the Review Body on Higher Remuneration in the Public Sector (1990) (the Gleeson Report). While this Review Body was primarily

concerned with reporting on remuneration and associated terms and conditions of employment for consultant medical staff, the views expressed on resource allocation to hospitals are important and may be summarised as follows:

Under the traditional method of determining hospital and sub-hospital budgets there is little incentive for consultants (or other health service personnel) to maximise efficiency. Historical budgeting means that savings in a unit in one year will sometimes be punished, rather than rewarded, by a reduction in the budget the following year. This approach is obviously counterproductive and potentially wasteful of scarce resources. What is needed is a funding and budgetary approach which would give hospital personnel every incentive to seek out and support potential cost savings and efficiency improvements (p.33).

The Review Body go beyond this position statement to comment that: We were advised in this context by the Department of Health that it is committed to developing a resource allocation system which would link hospital budgets to the type and volume of services to be provided (p.33).

The Commission on Health Funding, the Gleeson Report and the Department of Health would therefore seem to share important common ground, i.e., that funding of hospitals should be linked in a meaningful way to the activity supported by the hospital, if resource allocation to the hospitals is to be efficient and effective.

Future Directions

This study has been primarily concerned with testing one approach to case-mix measurement and exploring potential applications for case-mix classification in the context of the acute hospital system in Ireland.

The technical issues addressed in this study, involving the assessment of data sources and the performance of the DRG system on national data, were an essential prerequisite for any attempt at introducing case-mix measurement into the hospital system at the local or national level. The study findings are strongly supportive of the introduction of a case-mix measurement system within the acute hospital system in Ireland. The structures which may offer the greatest potential for the successful achievement of this objective were discussed in detail in the previous chapter. The global budget model described in Chapter VII might provide a useful starting point for the implementation of the recommendations of both the Gleeson Report and the Commission on Health Funding for the specification of the relationship between funding and activity within the

resource allocation process. In the analysis of hospital activity presented in both Chapters I and V, important variations in indicators like average length of stay by hospital type were identified. While we have not been in a position to undertake an investigation in this study into possible explanations for the variations observed, a future research undertaking should consider the extent to which differences in the funding process applicable to the voluntary public hospitals and the regional hospitals have an effect on resource requirements and resource use by hospital type.

In addition to commenting on desired reforms in the resource allocation process, the Gleeson Report also recognised the importance of defining a role for clinicians in management within the hospital. Some adaptation of the matrix management model described in Chapter VII could make an important contribution towards fulfilling the need "to establish a mechanism for regular discussions between management and consultants (both individually and collectively) on the question of resource allocation" (Gleeson Report, 1990, p.33).

As the DRG system is limited to the in-patient care setting, this study has also, of necessity, concentrated on the analysis and costing of in-patient hospital activity. Activity in the out-patient and day treatment setting is also of great importance and has been growing considerably in recent years. The reasons for this growth are multi-factorial, and relate to such developments as advancements in treatment practices, medical technology and rising health care costs. The fact that the development of facilities for day and out-patient treatment as an alternative to in-patient care, where appropriate, is an explicit policy objective for the Irish health services has also contributed to the growth in activity in these sectors (Health, The Wider Dimensions, 1986). Information on activity in day centres and out-patient care is, however, limited and inadequate within the Irish system and would constitute serious difficulties for any study directed at the measurement and analysis of non-inpatient activity. This is a problem which should be recognised and rectified as there is no denying the fact that a comprehensive study of hospital activity should cover the day and outpatient setting, in addition to the in-patient setting. If the current trends continue, a study of this nature will become a priority before too long if planning and management are to truly reflect the nature of the activity supported across the hospital system as a whole.

While this study has, of necessity, been more concerned with technical issues of case-mix measurement and classification, it would be erroneous to conclude that this implies less than full commitment to the achievement and maintenance of the highest standards of quality of care within our hospital system. Safeguarding quality of care must be a priority for all

concerned with advancements within the Irish hospital system.

As the development of systems of medical audit are now actively supported by both consultants and management in Irish hospitals, these systems will have to be applied within some type of case- mix framework if they are to be effective (Gleeson Report, 1990). DRGs can be used as a means of performance measurement and utilisation review which, in turn, may form the basis for quality assurance mechanisms (Wiley and Leidl, 1989). The constraints prevailing for this study meant that this area of application could not be adequately addressed here but most definitely warrants investigation in the future.

In conclusion, it is worth reiterating that the integration of a valid and reliable case-mix measure within the resource allocation process for hospital services, combined with the application of a case-mix framework for internal management at the hospital level, should offer greatly expanded opportunities for achieving both equity and efficiency within the hospital system and is worthy of serious pursuit at both the policy and the operational level. Efficiency in resource use is an important component of any policy aimed at improving care standards for all users of the acute hospital system. Approaches to resource allocation and management techniques which help to improve efficiency must, therefore, be seen as an aid towards the optimisation of the quality of care delivered through our hospitals.

REFERENCES

- ARNETT, III, ROSS H., DAVID R. McKUSICK, SALLY T. SONNEFELD and CAROL S. COWELL, 1986. "Projections of Health Care Spending to 1990", Health Care Financing Review, Spring, Volume 7, Number 3.
- BENTES, M., J. URBANO and D. HINDLE, 1989. "Output-Based Funding in Portugal: Taking The First Steps", Proceedings of the Third International Conference on The Management and Financing of Hospital Services, Washington, May.
- BLOOMROSEN, M.F. and G. F. KOMINSKI, 1988. Proceedings from ProPAC's Technical Advisory Conference on Alternative Case-Mix Classification Systems, Technical Report No. 1-88-01, January.
- BREWSTER, A.C., B.G. KARLIN, L.A. HYDE, and C. M. JACOBS, 1985. "MEDISGRPS: A Clinically Based Approach to Classifying Hospital Patients at Admission", *Inquiry*, 22, pp. 377-387.
- CHANDLER, I.R., 1988. "The Yale Cost Model", Proceedings of the Second International Conference on The Management and Financing of Hospital Services, Sydney, Australia, 18-20 February.
- CLASSIFICATION OF SURGICAL OPERATIONS, 1975. Third Revision, London: Office of Population Censuses and Surveys.
- CODMAN, E.A., 1914. "The Product of a Hospital", Surgery, Gynaecology and Obstetrics, 18, (January-June), pp. 491-96.
- DAVIS, C.K., and D. J. RHODES, 1988. "The Impact of DRGs on the Cost and Quality of Health Care in the United States", *Health Policy*, Volume 9, No. 2, April.
- DEPARTMENT OF HEALTH, Health Statistics, 1982, 1983, 1984, 1985, 1986, 1987, 1988, 1989.
- DEPARTMENT OF HEALTH, 1986. Health, The Wider Dimensions, A Consultative Statement on Health Policy, Dublin: Stationery Office.
- DEPARTMENT OF HEALTH, 1987. Perinatal Statistics, 1984, Dublin: Stationery Office.
- DIAGNOSIS RELATED GROUPS DEFINITIONS MANUAL, 1985. Second Revision, Connecticut: Health Systems International.
- FARLEY, D., 1988. Trends in Hospital Average Lengths of Stay, Case Mix, and Discharge Rates, 1980-85, (DHHS Publication No. (PHS) 88-3420) Hospital Studies Program Research Note 11, National Centre for Health Services Research and Health Care Technology Assessment, Rockville, MD: Public Health Service.

REFERENCES 111

- FELDSTEIN, M.S., 1965. "Hospital Cost Variation and Case Mix Differences", *Medical Care*, 3, pp. 95-103.
- FETTER, R.B. and J. L. FREEMAN, 1986. "Diagnosis Related Groups: Product Line Management within Hospitals", *The Academy of Management Review*, Volume 11, Number 1, pp. 41-54.
- FETTER, R.B. and D. HINDLE, 1988. The DRG Costing Project: Summary Report, The South Australian Health Commission, October.
- FETTER, R.B., R.E. MILLS, D. C. RIEDEL and J.D. THOMPSON, 1977. "The Application of Diagnostic Specific Cost Profiles to Cost and Reimbursement Control in Hospitals", *Journal of Medical Systems*, Vol. 1, No. 2.
- FETTER, R.B., Y. SHIN, J. L. FREEMAN, R. F. AVERILL and J. D. THOMPSON, 1980. "Case Mix Definition by Diagnosis Related Groups, *Medical Care*, 18, 2, (supplement), December, pp. 1-53.
- FETTER, R.B., J. D. THOMPSON and R. F. AVERILL, 1981. Development, Testing, and Evaluation of a Prospective Case-Payment Reimbursement System, Final Report, Health Care Financing Administration, Department of Health and Human Services.
- FREEMAN, J.L. 1990 "Refined DRGs: Trials in Europe" Proceedings of the Workshop on DRG Data Production: Issues and Action for International Comparability, Barcelona (Spain), 29-30 May.
- FREEMAN, J.L., R.B. FETTER, R. C. NEWBOLD, J-M. RODRIGUES and D. CAUTIER, 1986. "Development and adaptation of a hospital cost and budgeting model for cross-national use", Journal of Management in Medicine, Vol. 1, No. 1, pp. 38-57, June.
- GLASER, W.A., 1987. Paying the Hospital, The Organisation, Dynamics, and Effects of Differing Financial Arrangements, San Francisco: Jossey-Bass.
- GOLDFARB, M.G., M. C. HORNBROOK and C. S. CRAIG, 1983. "Determinants of Hospital Use: A Cross-Diagnostic Analysis", *Medical Care*, Vol. 21, No. 1, January.
- GONELLA, J.S., M. C. HORNBROOK and D. Z. LOUIS, 1984. "Staging of Disease: A Case Mix Measurement", Journal of the American Medical Association, 251 (5), pp. 637-644.
- GUTERMAN, S., P. W. EGGERS, G. RILEY, T. F. GREENE and S. A. TERRELL, 1988. "The First 3 Years of Medicare Prospective Payment: An Overview", *Health Care Financing Review*, Spring, Volume 9, Number 3.
- HEALTH SYSTEMS MANAGEMENT GROUP, 1982. The New ICD-9-CM Diagnosis Related Groups (DRGs) Classification Scheme; Final Report, May. Yale School of Organization and Management, Yale University. HCFA Grants: 95P97499/1-01 and 95P97499/1-02.

- HEALTH SYSTEMS MANAGEMENT GROUP, 1989. DRG refinement with diagnostic specific comorbidities and complications: A synthesis of current approaches to patient classification. Final Report, 3 Vols., Health Care Financing Administration Cooperative Agreement Nos. 15-C-98930/101 and 17-C-98930/1-0251.
- HINDLE, D., R. FORDHAM and F. BOWDEN, 1990. "A DRG Cost Model: the West Australian Experience", Paper presented to the Health Economists Study Group Summer Conference, Trinity College, Dublin, 5-7 July.
- HMSO, 1989. Working for Patients, London: Her Majesty's Stationery Office. HORN, S.D., 1981. "Validity, Reliability and Implications of an Index of
- Inpatient Severity of Illness", Medical Care, 19, March.

 HORNBROOK, M.C., 1982. "Hospital Case Mix: Its Definition,

 Measurement and Use: Part I. The Conceptual Framework. Medical Care
- Measurement and Use: Part I. The Conceptual Framework, *Medical Care Review*, 39, pp. 1-43.

 HORNBROOK M.C., 1982, "Hospital Case Mix: Its Definition.
- HORNBROOK, M.C., 1982. "Hospital Case Mix: Its Definition, Measurement and Use: Part II. Review of Alternative Measures", *Medical Care Review*, 39, pp. 73-123.
- HORNBROOK, M.C., 1985. "Techniques for Assessing Hospital Case Mix, Annual Review of Public Health, 6, pp. 295-324.
- HORNBROOK, M.C., and M. G. GOLDFARB, 1981. "Patterns of Obstetrical Care in Hospitals", Medical Care, 19, p.55.
- INSTITUTE OF PUBLIC ADMINISTRATION, 1990. Private Health Expenditure in Ireland, Health Services Development Unit, Health Fact Sheet 4/90.
- INTERNATIONAL CLASSIFICATION OF DISEASES 1978. 9th Revision World Health Organisation.
- INTERNATIONAL CLASSIFICATION OF DISEASES, 9th Revision, Clinical Modification US Department of Health and Human Services.
- KALISON, M.J. and R. F. AVERILL, 1984. Regulation vs. Contract: The Future of Capital Under PPS, Healthcare Financial Management Association.
- KNAUS, W.A., J. E. ZIMMERMAN and D. P. WAGNER, 1985. "APACHE II: A Severity of Disease Classification System", *Critical Care Medicine*, 13 (10), pp. 818-829.
- LAVE, J.R. and S. LEINHARDT, 1976. "The Cost and Length of a Hospital Stay", *Inquiry*, 13, p. 327.
- LUKE, R.D., 1979. "Dimensions in hospital case mix measurement", *Inquiry*, 16, p. 38.
- McGUIRE, T.E., 1990. "DRGs: The State of the Art, Circa 1990", Proceedings of the Workshop on DRG Data Production: Issues and Action for International Comparability, Barcelona (Spain), 29-30 May.

- McMAHON, L.F., 1984. "Diagnosis Related Groups and Prospective Payment: Effects on Medical Quality Assurance", Evaluation and the Health Professions 7, pp.25-36.
- MEDICO-SOCIAL RESEARCH BOARD, 1986. Annual Report, Dublin.
- MILLS, I., 1989. Past Progress and Future Plans, A Mid-Term Report from the Director of Resource Management, London: NHS Management Executive, HMSO.
- MILLS, R.E., R. B. FETTER, D. C. RIEDEL, and R. F. AVERILL, 1976. "AUTOGRP: an interactive computer system for the analysis of health care data", *Medical Care*, 14, pp. 603-615.
- MULLIN, R.L., 1984. "The ICD-9 to ICD-9-CM Procedure Code Conversion Table for use with Diagnosis Related Groups", Health System Management Group, School of Organization and Management, Yale University, Connecticut, New Haven.
- MULLIN, R.L., 1985. "The OPCS to ICD-9-CM Procedure Code Conversion Table for use with Diagnosis Related Groups", Health Systems Management Group, School of Organization and Management, Yale University, New Haven, Ct.
- NEUHAUSER, D., 1972. "The Hospital as a Matrix Organisation", *Hospital Administration*, 17,4, pp. 8-25.
- ORGANISATION FOR ECONOMIC CO-OPERATION AND DEVELOPMENT, 1985. Measuring Health Care 1960-1983, Expenditure, Costs and Performance. Social Policy Studies, No. 2.
- ORGANISATION FOR ECONOMIC CO-OPERATION AND DEVELOPMENT, 1987. Financing and Delivering Health Care, A Comparative Analysis of OECD Countries. Social Policy Studies, No. 4.
- PALMER, G.R., J. L. FREEMAN, R. B. FETTER and M. MADOR, 1989. International Comparisons of Hospital Usage: A Study of Nine Countries Based on DRGs, Health Systems Management Group: New Haven.
- PALMER, G.R., and B. REID, 1989. "The Influence of the Quality of Coding and Data Reporting on DRG Assignment", in F. H. Roger-France, G. De Moor, H. Hofdijk, and L. Jenkins (eds.), *Diagnosis Related Groups in Europe*, Goff BVBA (Ghent), Belgium.
- POKRAS, R., L. J. KOZAK, E. McCARTHY, and E. J. GRAVES, 1990. "Trends in Hospital Utilization, 1965-86", American Journal of Public Health, April, Volume 80, Number 4, pp. 488-490.
- PRICE, K.F., 1989. "Pricing Medicare's Diagnosis Related Groups: Charges Versus Estimated Costs", *Health Care Financing Review*, Fall, Vol. 11, No. 1.
- PROSPECTIVE PAYMENT ASSESSMENT COMMISSION, 1985. Technical Appendixes to the Report and Recommendations to the Secretary, U.S. Department of Health and Human Services, April 1.

- PROSPECTIVE PAYMENT ASSESSMENT COMMISSION, 1987. Medicare Prospective Payment and the American Health Care System, Report to the Congress, February.
- PROSPECTIVE PAYMENT ASSESSMENT COMMISSION, 1987. Report and Recommendations to the Secretary, U.S. Department of Health and Human Services, April 1.
- PROSPECTIVE PAYMENT ASSESSMENT COMMISSION, 1988. Report and Recommendations to the Secretary, U.S. Department of Health and Human Services, March 1.
- PROSPECTIVE PAYMENT ASSESSMENT COMMISSION, 1990. Report and Recommendations to the Secretary, U.S. Department of Health and Human Services, March 1.
- REID, B., 1990. "The Impact of Different Coding Systems on DRG Assignment and Data", *Proceedings of the Workshop on DRG Data Production: Issues and Action for International Comparability*, Barcelona (Spain), 29-30 May.
- RODRIGUES, J-M., 1987. "DRGs: The European Scene, A General Analysis", Journal of Management in Medicine.
- RODRIGUES, J-M., F. H. ROGER, M. M. WILEY, T. RUIJS, R. HANSEN, V. PAKARINEN and H. SCICLUNA, 1988. Computerisation of Medical Data in Hospital Services Including University Hospitals, Council of Europe, Strasbourg.
- RUSSELL, L.B., 1989. Medicare's New Hospital Payment System: Is it working? The Brookings Institution, Washington, D.C.
- SCHEFFLER, R.M., J.O. GIBBS and D.A. GURNICK, 1988. The Impact of Medicare's Prospective Payment System and Private Sector Initiatives: Blue Cross Experience, 1980-1986, Report prepared by the Blue Cross and Blue Shield Association with the Research Programme in Health Economics, University of California, Berkeley: HCFA Grant 15-C-98757/5-01.
- SLOAN, F.A., M.A. MORRISEY and J. VALVON, 1988. "Effects of the Medicare Prospective Payment System on Hospital Cost Containment: An Early Appraisal", *Milbank Quarterly*, Vol. 66, pp.191-220.
- SONQUIST, J.A. and J. N. MORGAN, 1964. The detection of interaction effects, Ann Arbor: Institute for Social Research, University of Michigan.
- STATIONERY OFFICE, 1989. Report of the Commission on Health Funding, September, Dublin: Stationery Office.
- STATIONERY OFFICE 1990. Review Body on Higher Remuneration in the Public Sector Report to the Minister for Finance on Hospital Consultants, Report No. 32, 15 June. Dublin: Stationery Office, (Gleeson Report).
- THOMAS, J. W., M. L. F. ASHCRAFT and J. ZIMMERMAN, 1986. An Evaluation of Alternative Severity of Illness Measures for Use by University Hospitals, The University of Michigan.

REFERENCES 115

- THOMPSON, J.D., R. F. AVERILL and R. B. FETTER, 1979. "Planning, Budgeting and Controlling One Look at the Future: Case-Mix Cost Accounting", *Health Services Research*, 14, pp. 111-125.
- VLADECK, B., 1984. "Medicare Hospital Payment by Diagnosis Related Groups", Annals of Internal Medicine, 100, pp. 576-591.
- WILEY, M. M., 1987. "The Public/Private Mix within the Irish Medical Care System", Studies, Winter..
- WILEY, M.M., 1988. "DRGs as a basis for prospective payment", Health Policy, 9, pp. 157-165.
- WILEY, M.M. 1989. "Hospital Budgeting and Financing Using DRGs", in F. H. Roger-France, G. De Moor, J. Hofdijk and L. Jenkins (eds.), *Diagnosis Related Groups in Europe*, Goff BVBA (Ghent), Belgium.
- WILEY, M.M., 1990A. "Patient Classification Systems: Overview of Experiments and Applications in Europe", in R. Leidl, C. Potthoff, and D. Schwefel (eds.), European Approaches to Patient Classification Systems, Springer-Verlag.
- WILEY, M.M., 1990B. "Diagnosis Related Groups: Applications for Resource Management", Abstracts of the Annual Scientific Meeting of the Faculty of Anaesthetists, Royal College of Surgeons of Ireland, 18-19 May.
- WILEY, M.M. and R. LEIDL, 1989. "Performance Measurement in Hospitals: The Application of Diagnosis Related Groups", in R. Leidl, J. John and D. Schwefel (eds.), Performance Indicators in Health Care: Selected Readings on Concepts and Applications, MEDIS-GSF, Munich.
- YOUNG, W., 1984. "Incorporating Severity of Illness and Comorbidity in Case Mix Measurement". Health Care Financing Review, Annual Supplement, November, pp. 23-31.

Appendix 1

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Drg DRG Title
001
     CRANIOTOMY AGE >17 EXCEPT FOR TRAUMA
     CRANIOTOMY FOR TRAUMA >17
002
003
     CRANIOTOMY AGE <18
004
     SPINAL PROCEDURES
005
     EXTRACRANIAL VASCULAR PROCEDURES
006
     CARPAL TUNNEL RELEASE
     PERIPH + CRANIAL NERVE + OTHER NERV SYST PROC AGE >69 +/OR C.C.
007
008
     PERIPH + CRANIAL NERVE + OTHER NERV SYST PROC AGE <70 W/O C.C.
009
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    D+C, CONIZATION EXCEPT FOR MALIGNANCY
365 OTHER FEMALE REPRODUCTIVE SYSTEM O.R. PROCEDURES
    MALIGNANCY, FEMALE REPRODUCTIVE SYSTEM AGE >69 AND/OR C.C.
366
    MALIGNANCY, FEMALE REPRODUCTIVE SYSTEM AGE <70 W/O C.C.
367
368
    INFECTIONS, FEMALE REPRODUCTIVE SYSTEM
    MENSTRUAL + OTHER FEMALE REPRODUCTIVE SYSTEM DISORDERS
369
370
    CESAREAN SECTION WITH C.C.
371
    CESAREAN SECTION W/O C.C.
372
    VAGINAL DELIVERY WITH COMPLICATING DIAGNOSES
373 VAGINAL DELIVERY W/O COMPLICATING DIAGNOSES
374 VAGINAL DELIVERY WITH STERILIZATION AND/OR D+C
375 VAGINAL DELIVERY WITH O.R. PROCEDURE EXCEPT STERIL AND/OR D+C
376 POSTPARIUM DIAGNOSES W/O O.R. PROCEDURE
377
    POSTPARTUM DIAGNOSES WITH O.R. PROCEDUPE
378
     ECTOPIC PREGNANCY
379
    THREATENED ABORTION
380 ABORTION W/O D+C
381 ABORTION WITH D+C
382
    FALSE LABOR
383
    OTHER ANTEPARTUM DIAGNOSES WITH MEDICAL COMPLICATIONS
384
    OTHER ANTEPARTUM DIAGNOSES W/O MEDICAL COMPLICATIONS
385 NEONATES, DIED OR TRANSFERRED
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Drg DRG Title 386 EXTREME IMMATURITY, NEONATE 387 PREMATURITY WITH MAJOR PROBLEMS 388 PREMATURITY W/O MAJOR PROBLEMS 289 FULL TERM NEONATE WITH MAJOR PROBLEMS 390 NEONATES WITH OTHER SIGNIFICANT PROBLEMS 391 NORMAL NEWBORNS 392 SPLENECTOMY AGE >17 393 SPLENECTOMY AGE 0-17 394 OTHER O.R. PROCEDURES OF THE BLOOD + BLOOD FORMING ORGANS 395 RED BLOOD CELL DISORDERS AGE 0-17 396 RED BLOOD CELL DISORDERS AGE 0-17 397 COAGULATION DISORDERS RETICULOENDOTHELIAL + IMMUNITY DISORDERS AGE >69 AND/OR C.C. 398 RETICULOENDOTHELIAL + IMMUNITY DISORDERS AGE <70 W/O C.C. 399 LYMPHOMA OR LEUKEMIA WITH MAJOR O.R. PROCEDURE 400 401 LYMPHOMA OR LEUKEMIA WITH MINOR O.R. PROC AGE >69 AND/OR C.C. 402 LYMPHOMA OR LEUKEMIA WITH MINOR O.R. PROCEDURE AGE <70 W/O C.C. LYMPHOMA OR LEUKEMIA AGE >69 AND/OR C.C. LYMPHOMA OR LEUKEMIA AGE 18-69 W/O C.C. 403 404 405 LYMPHOMA OR LEUKEMIA AGE 0-17 406 MYELOPROLIF DISORD OR POORLY DIFF NEOPLASM W MAJ O.R. PROC + C.C. MYELOPROLIF DISORD OR POORLY DIFF NEOPL W MAJ O.R. PROC W/O C.C. MYELOPROLIF DISORD OR POORLY DIFF NEOPL WITH MINOR O.R. PROC 407 408 409 RADIOTHERAPY 410 CHEMOTHERAPY 411 HISTORY OF MALIGNANCY W/O ENDOSCOPY 412 HISTORY OF MALIGNANCY WITH ENDOSCOPY OTHR MYELOPROLIF DISORD OR POORLY DIFF NEOPL DX AGE >69 +/OR C.C. OTHR MYELOPROLIF DISORD OR POORLY DIFF NEOPL DX AGE <70 W/O C.C. 413 414 415 O.R. PROCEDURE FOR INFECTIOUS + PARASITIC DISEASES 416 SEPTECEMIA AGE >17 417 SEPTECEMIA AGE 0-17 418 POSTOPERATIVE + POST-TRAUMATIC INFECTIONS 419 FEVER OF UNKNOWN ORIGIN AGE >69 AND/OR C.C. FEVER OF UNKNOWN ORIGIN AGE 18-69 W/O C.C. 420 421 VIRAL ILLNESS AGE >17 VIRAL ILLNESS + FEVER OF UNKNOWN ORIGIN AGE 0-17 422 423 OTHER INFECTIOUS + PARASITIC DISEASES DIAGNOSES 424 O.R. PROCEDURES WITH PRINCIPAL DIAGNOSIS OF MENTAL ILLNESS 425 ACUTE ADJUST REACT + DISTURBANCES OF PSYCHOSOCIAL DYSFUNCTION 426 DEPRESSIVE NEUROSES 427 NEUROSES EXCEPT DEPRESSIVE DISORDERS OF PERSONALITY + IMPULSE CONTROL 428 429 ORGANIC DISTURBANCES + MENTAL RETARDATION 430 PSYCHOSES 431 CHILDHOOD MENTAL DISORDERS 432 OTHER DIAGNOSES OF MENTAL DISORDERS SUBSTANCE USE + SUBST INDUCED ORGANIC MENTAL DISORDERS, LEFT AMA 433 434 DRUG DEPENDENCE DRUG USE EXCEPT DEPENDENCE 435 436 ALCOHOL DEPENDENCE 437 ALCOHOL USE EXCEPT DEPENDENCE

438 ALCOHOL + SUBSTANCE INDUCED ORGANIC MENTAL SYNDROME

SKIN GRAFTS FOR INJURIES 440 WOUND DEBRIDEMENTS FOR INJURIES

439

Drg DRG Title

- HAND PROCEDURES FOR INJURIES 441
- 442 OTHER O.R. PROCEDURES FOR INJURIES AGE >69 AND/OR C.C.
- 443 OTHER O.R. PROCEDURES FOR INJURIES AGE <70 W/O C.C.
- 444 MULTIPLE TRAUMA AGE >69 AND/OR C.C.
- 445 MULTIPLE TRAUMA AGE 18-69 W/O C.C.
- 446
- MULTIPLE TRAUMA AGE 0-17 ALLERGIC REACTIONS AGE >17 447
- 448 ALLERGIC REACTIONS AGE 0-17
- TOXIC EFFECTS OF DRUGS AGE >69 AND/OR C.C. 449
- TOXIC EFFECTS OF DRUGS AGE 18-69 W/O C.C. TOXIC EFFECTS OF DRUGS 0-17 450
- 451
- COMPLICATIONS OF TREATMENT AGE >69 AND/OR C.C. 452
- COMPLICATIONS OF TREATMENT AGE <70 W/O C.C. 453
- 454 OTHER INJURIES, POISONINGS + TOXIC EFF DIAG AGE >69 AND/OR C.C.
- OTHER INJURIES, POISONINGS + TOXIC EFF DIAG AGE <70 W/O C.C. 455
- BURNS, TRANSFERRED TO ANOTHER ACUTE CARE FACILITY EXTENSIVE BURNS 456
- 457
- 458 NON-EXTENSIVE BURNS WITH SKIN GRAFTS
- NON-EXTENSIVE BURNS WITH WOUND DEBRIDEMENT + OTHER O.R. PROC 459
- 460
- NON-EXTENSIVE BURNS W/O O.R. PROCEDURE
 O.R. PROC WITH DIAGNOSES OF OTHER CONTACT WITH HEALTH SERVICES 461
- 462 REHABILITATION
- 463 SIGNS + SYMPTOMS WITH C.C.
- SIGNS + SYMPTOMS W.O C.C. 464
- 465 AFTERCARE WITH HISTORY OF MALIGNANCY AS SECONDARY DX
- AFTERCARE W/O HISTORY OF MALIGNANCY AS SECONDARY DX 466
- OTHER FACTORS INFLUENCING HEALTH STATUS 467
- 468 UNRELATED OR PROCEDURE
- 469 PDX INVALID AS DISCHARGE DIAGNOSIS
- 470 UNGROUPABLE

Appendix 2

Hospital Nu	mber	<u></u>	Day Monh Your Date of Birth	Consultant on Admission	
Chart Numb (Case Fiel.		<u> </u>	SQx 1	Date of Discharge	
Date of Adr	,,	Month Yeer	Marital Status Single - 1 Marind - 2 Widowod - 3 Offer - 4 Unknown-9) Area of Flesidence	Discharge Code Was this a Day Case? (YeaDay Case+) No-Q	
		Diagnosis(es)		ICD-9 CM Diagnosis Code	Consultant
(Principal)	(1)				
(Other)	(2)	<u> </u>			
	(3)			I <u>lll</u>	
	(4)	<u> </u>			IIII
	(5)				<u></u>
	(6)			1	1
	(Operation(s)/Procedure(s)		ICD-9 CM Procedure Code	Consultant
(Principal)	(1)			III	
(Other)	(2)				llii
	(3)			illl	1
	44)			1 1 1 1 1 1	

Potentio: HPE Unit, ESRI, 4 Burlington Flood, Dublin 4 | fot (01)-760115

NOTIFICATION OF BIRTH-

To: The Planning Unit, Department	of Health, Hawkins House, Dublin 2. 12
_	NAME AND
LIVE BIRTH HOSPITAL C	ASE ADDRESS OF
LATE FETAL DEATH 2 No. 3 No. 3 No. 3	o. 6L HOSPITAL
INFANT	2 DUPLICATE 2-11 FROM CARD 1
DATE OF BIRTH 12	MOTHER'S HEALTH
IF MULTIPLE BIRTH ORDER OF BIRTH No. Line will 19	ANTE NATAL CARE THIS PREGNANCY (Hosp./Obstet. = 1,
TIME OF BIRTH	G.P. Only = 2, Combined = 3, None = 4) 12
TIME OF BINTH	DATE OF FIRST VISIT TO DOCTOR
	DURING PREGNANCY
SEX (Male = 1, Female = 2, Indeterminate = 3) 20	DATE OF FIRST VISIT TO HOSPITAL
BIRTH WEIGHT 24 ORAMMES	DURING PREGNANCY +-
PERIOD OF GESTATION H MEES	WAS MOTHER IMMUNE TO RUBELLA IYes = 1, No = 2,
FATHER	Unknown = 3) n
	METHOD OF DELIVERY (Spontaneous = 1, Breech x Forceps = 2, Forceps = 3, Vac. Extraction = 4, Caesarean Sec. = 5, Other = 6) 36
COUNTY:	MAIN MATERNAL DISEASE OR CONDITION AFFECTING FETUS OR INFANT
OCCUPATION	
MOTHER	OTHER MATERNAL DISEASE OR CONDITION AFFECTING FETUS OR INFANT
	INFANT'S HEALTH
	TYPE OF FEEDING (Artificial = 1, Breast = 2)
COUNTY:	
DATE OF BIRTH	
MARITAL STATUS (Married = 1, Single = 2, Widowed = 3, Separated = 4, Divorced = 51	MAIN DISEASE OR CONGENITAL MALFORMATION AFFECTING INFANT
DATE OF MARRIAGE	
DATE OF LAST BIRTH	
NO. OF PREVIOUS LIVE BIRTHS	
NO. OF PREVIOUS CHILDREN STILL LIVING	OTHER DISEASES OR CONGENITAL MALFORMATIONS AFFECTING
NO. OF PREVIOUS LATE FETAL DEATHS	INFANT
NO. OF PREVIOUS ABORTIONS	<u> </u>
PERINATAL DEATH	
TYPE OF DEATH (Early Neonatal = 1, Late Fetal = 2) so	HOSPITAL
WAS AUTOPSY PERFORMED (Ym = 1, No = 2) #1	WAS ADMISSION BOOKED (Yes = 1, No = 2)
AGE AT DEATH & DEATS & LILIUMS	DATE OF MOTHER'S ADMISSION
PLACE OF DEATH	DATE OF MOTHER'S DISCHARGE
IF LFD, DID DEATH OCCUR BEFORE LABOUR (1) DURING LABOUR (2) NOT KNOWN (3)	DATE OF INFANT'S DISCHARGE
CAUSE OF DEATH	WAS INFANT TRANSFERRED TO OTHER HOSPITAL
MAIN DISEASE OR CONDITION IN FETUS OR INFANT	FOR MEDICAL REASONS (Yes = 1, No = 2)
	IF 'YES', NAME OF HOSPITAL
OTHER DISEASES OR CONDITIONS IN FETUS OR INFANT	
	GENERAL PRACTITIONER ATTENDED BY MOTHER
MAIN MATERNAL DISEASE OR CONDITION AFFECTING FETUS OR INFANT	G.P.'s NAME AND ADDRESS
OTHER MATERNAL DISEASE OR CONDITION AFFECTING FETUS OR INFANT	
	Hart Control of the C

Appendix 3

Appendix 3 : Distribution of Discharges by DRG, Ireland 1984 - 1988

DRG	1984 No.	₹ of	1985 No.	1 of	1986 No.	1 of
	Patients	Total	Patients	Total	Patients	Total
001 CRNIOT A>=18 ~ 002 CRNIOT TR A>=1	8 121	.07	380 124	.08	427 131	.09
003 CRNIOT A<18 004 SPINAL PROCS 005 XTRACRNL VASC	155 110 PR 25	.03 .02	152 121 16	.03 .02	208 108 68	.04 .02 .01
006 CARPL TUNNEL R	LS 273	.05 .01	285 70	.06 .01	300 48	.06
008 OTH NRV PR A,		.06	345 179	.07	238 130	.05
010 NRVS NEOPL AL	CC 121	.02	126 341	.03	72 359	.01
012 DEGENR NRVS DI: 013 MP SCLER&CRBL	S 1250	.25	1309 555	.26 .11	1338 557	.27
014 SPEC CRBRVSC D 015 TRANS ISCHEM A	IS 3955	.79 .25	3709 1271	.74	3578 1369	.73 .28
016 NONSP CBV DIS,		.01 .05	62 260	.01 .05	79 263	.02 .05
018 CRNLEPRPH AE CO		.04 .10	212 514	.04 .10	178 447	.04
020 NRV INF TVRL M 021 VIRAL MENINGIT	IS 741	.14 .15	575 617	.11 .12	740 578	.15 .12
022 HYPRTNS ENCPHLO	A 169	.03	6 182	.04	8 176	.04
024 SZR&HDACH A& C 025 SZR&HD A18-69" 026 SZR&HD A<17,"C	CC 2724	.12 .54 .56	578 2658 2896	.12 .53 .58	568 2764 2705	.12 .56 .55
028 TR ST, CMA<1, A& 029 TR ST, CMA<1, A<	C 1375	.27 1.07	1387 5431	.28	1229 4718	.25
030 TR ST, CMA<1, A< 031 CONCUSSION A&	18 6342	1.26	6322 34	1.26	5767 44	1.17
032 CONCSN A18-69 033 CONCUSSION A<1		.02 .01	109 68	.02 .01	226 124	.05
034 OTH NRV DIS, A& 035 OTH NRVS DIS, ~	AC 818	.06 .16	296 930	.06 .19	235 979	.05 .20
036 RETINAL PROCS 037 ORBITAL PROCS	328 120	.07	297 104	.06 .02	263 78	.05
038 PRIM IRIS PROC. 039 LENS PROCS 040 XTROC PR A>=18	S 197 2672 1318	.04 .53 .26	180 2464 1008	.04 .49 .20	179 2622	.04
041 XTROC PR A<18 042 INTROC PR, ~R, I	1955	. 26 . 39 . 09	1552 346	.31	1128 1698 344	.23 .34 .07
043 HYPHEMA 044 ACUT MJR EYE I	368	.07	293 139	.06	263 217	.05
045 NEUR EYE DISRD 046 OTH EYE DS,A>1	RS 254	.05	247 137	.05	269 114	.05
047 OTH EYE DS,A>1 048 OTH EYE DIS,A<	18 804	.50 .16	2236 568	.45 .11	2088 526	.42
049 MJR HD&NECK PRO 050 SIALOADENECTOM	Y 105	.01 .02	37 114	.01 .02	36 110	.01 .02
051 SALV GLND PR~S 052 CLFT LIP&PLT R		.01 .03	53 154	.01 .03	40 169	.01 .03

DRG	1984		1985		1986	
	No.	• of	No.	of	No.	* of
	Patients	Total	Patients	Total	Patients	Total
053 SNS&MAST PR A>17	360	.07	339	.07	344	. 07
054 SNS&MAST PR A<18	208	.04	184	.04	235	.05
055 MISC EAR, NS, THRT	2073	.41	2106	. 42	1982	. 40
056 RHINOPLASTY	447	.09	395	.08	473	.10
057 T&A ~TNS,AD A>17	73	.01	60	.01	47	.01
058 T&A ~TNS,AD A<18	1064	.21	982	. 20	887	.18
059 TNSECT, ADCT A>17	1221	. 24	1154	. 23	1147	. 23
060 TNSECT, ADCT A<18	5985	1.19	5486	1.10	4800	.97
061 MYRINGOTOMY A>17	196	.04	168	.03	189	.04
062 MYRINGOTOMY A<18	1653	. 33	1709	.34	2271	. 46
063 OTH E,N,T OR PR	1258	. 25	1258	. 25	359	.07
064 ER, NS, THRT MALIG	513	.10	517	.10	507	.10
065 DYSEQUILIBRIUM	637	.13	661	.13	650	.13
066 EPISTAXIS	1173	.23	1179	. 24	1157	. 23
067 EPIGLOTTIITIS	28	.01	17		34	.01
068 OMEURI, AE CC	323	. 06	300	.06	284	.06
069 OMEURI, A18-69°C	1459	. 29	1217	. 24	1031	.21
070 OM&URI, A<18	5296	1.06	5114	1.02	4753	. 96
071 LARYNGOTRCHEITS	647	.13	840	.17	699	.14
072 NSL TR & DEFORM	434	.09	411	.08	1467	. 30
073 OTH E,N,T A>17	1910	. 38	1869	. 37	1675	. 34
074 OTH E,N,T Ac18	1519	. 30	1436	. 29	1225	. 25
075 MJR CHEST PROCS 076 OR RSP, MJRCH, CC	349 69	.07 .01	340	. 07	331	. 07
077 OR RSP, MJRCH, CC	158	.01	56 148	.01	53	.01
078 PULMNRY EMBOLISM	483	.10	148	.03	153	.03
079 RSP INFAINFL A C	203	.10	487 208	.10	472	.10
080 RSP INFAINL ACTO	261	.05	280	.04	188	.04
081 RSP INFAINL AC18	79	.02	132	.03	218	.04
082 RESP NEOPLASMS	2263	. 45	2116	. 42	47 2068	.01
083 MJR CHST TR ALIC	25	. 43	36	.01	30	. 42
084 MJR CHST TR AC70	42	.01	66	.01	52	.01 .01
085 PLRL EFFUSN ALIC	143	.03	150	.03	131	.03
086 PLRL EFFUSN A<70	145	.03	123	.02	123	.02
087 PLM EDEMAARSP FL	514	.10	415	.08	149	.02
086 CHRN PULM OBSTR	6000	1.20	7034	1.40	6995	1.42
089 SMPL PNEUEPL A C	2903	.58	3110	.62	2886	. 58
090 SMPL PNEUSP A<70	1265	. 25	1351	. 27	1252	. 25
091 SMPL PNEU&P A<18	1865	. 37	2207	. 44	1701	. 34
092 INTRST LUNG AICC	129	.03	149	.03	176	.04
093 INTRST LUNG TA,C	316	.06	380	. 08	497	.10
094 PNEUMOTHRX A CC	146	.03	111	.02	114	.02
095 PNEUMOTHRX TA,CC	406	.08	372	. 07	380	.08
096 BRNCHASTH AJCC	763	.15	745	.15	695	.14
097 BRNCH&ASTH A<70	2221	. 44	2417	. 48	2246	46
098 BRNCH&ASTH A<17	4861	.97	5761	1.15	5643	1.14
099 RESP SGN&SY A CC	362	.07	393	.08	422	.09
100 RSP SGNESY A<70	958	.19	1037	. 21	1078	. 22
101 OTHE RSP DX A CC	1426	.28	1483	. 30	1712	. 35
102 OTHE RSP DX A<70	1546	.31	1734	. 35	1929	. 39
103 HEART TRANSPLANT					2	

APPENDIX 3

	1984		1985		1986	
DRG	No.	1 of	No.	1 of	No.	1 of
	Patients	Total	Patients	Total	Patients	Total
	Factence	10041	ractence	10001	racrence	10041
104 CRDC VLV W/P,CCT					2	
105 CRDC VLV W/P CCT	229	. 05	97	.02	108	.02
106 CRNRY BYPS W/CCT			•		9	
107 CRNRY BYPS, CCTH	443	.09	295	.06	288	.06
109 CRDTHR PR, PUMP	243	.05	195	.04	172	. 03
110 MJR RCSTR VSC.AC	205	.04	257	. 05	261	.05
111 MJR RCNST VSC,AC	233	.05	209	.04	220	.04
112 MJR RCNST VSC AC	225	.04	275	.05	292	.06
113 AMP CRC UP LIMB	217	0.4	219	. 04	230	.05
114 UP LIMBATOE AMP	78	02	80	. 02	62	.01
115 PCMKR, AMI OR CHF	29	.01	19		27	.01
116 PCMKR, AMI CHF	361	. 07	300	. 06	295	.06
117 PCMKR REP PLSGN	49	.01	34	.01	36	.01
118 PULSE GEN REPL	14		6		5	**-
119 VEIN LGTN&STRPNG	2824	.56	277Ŏ	.55	2722	. 55
120 OTHER CRC OR PR	286	.06	297	.06	280	.06
121 CRC DIS, AMIGE, CC	745	.15	756	.15	775	.16
122 CRC DIS, AMI&CV	3595	.72	3580	.71	3551	.72
123 CRC DIS, AMI, XPRD	1087	. 22	968	.19	968	.20
124 CRC AMI, CCT6CPLX	+007		,,,,		60	.01
125 CRC AMI, CCT CPLX					1994	.40
126 ENDOCARDITIS	50	. 01	59	.01	58	.01
127 HRT FLR&SHOCK	3581	.71	3696	.74	3582	.73
128 DP VN THRMBPHLEB	998	. 20	994	.20	990	. 20
129 CARDIAC ARREST	385	.08	432	.09	465	.09
130 PRPHL VSC DIS.AC	1339	. 27	1421	. 28	1299	. 26
131 PRPHL VSC DISTAC	1319	. 26	1163	.23	1081	. 22
132 ATHRSCLROSIS.A C	1137	. 2 3	1248	. 25	1308	.27
133 ATHRSCLROSIS A C	1986	. 40	2217	. 44	1443	. 29
134 HYPERTENSION	2469	. 49	2118	. 42	2055	. 42
135 CRDC CNG&VLV,A C	442	. 09	447	. 09	383	.08
136 CRDC CNG&VV,A<70	740	.15	645	.13	415	.08
137 CRDC CNG&VV.A<18	426	.08	462	.09	280	.06
138 ARRHYTH&CNDC,A C	1271	. 25	1338	. 27	1360	. 28
139 ARRHYTHLCNDC A C	1319	. 26	1373	. 27	1373	. 28
140 ANGINA PECTORIS	2617	.52	2771	.55	2914	, 59
141 SYNCP&CLLPS.A.CC	600	.12	715	.14	661	.13
142 SYNCP&CLLPS, A C	1122	.22	1179	. 24	1081	. 22
143 CHEST PAIN	4001	.80	4288	.86	4847	.98
144 OTH CIRC DX,CC	416	.08	406	.08	247	.05
145 OTH CIRD DX, CC	1246	. 25	1189	. 24	526	.11
146 RECTAL RSCTN, A C	174	.03	197	. 04	203	.04
147 RECTAL RSCTN A C	175	.03	187	. 04	164	.03
148 MJR BOWEL PR,A C	591	.12	635	.13	660	.13
149 MJR BOWEL PR"A C	575	.11	596	.12	542	.11
150 PRTNL ADHESLS.AC	47	.01	39	.01	62	.01
151 PRTNL ADHESLS AC	100	.02	101	.02	139	.03
152 MNR BOWEL PR.A.C	175	.03	167	.03	183	.04
153 MNR BOWEL PR'A C	818	.16	654	.13	589	.12
154 STM, ESO, DD PR, AC	437	.09	440	.09	425	.09
155 STM, ESO, DD A<70	810	.16	788	.16	683	.14
			,		~~~	

DRG	1984		1985		1986	
	No. Patients	% of Total	No. Patients	* of	No.	1 of
	Patients	TOCAL	Patients	Total	Patients	Total
156 STM, ESO, DD A<18	207	.04	189	.04	223	.05
157 ANAL PROCS A CC	216	. 04	224	.04	234	. 05
158 ANAL PROCS A CC	1529	. 30	1548	.31	1610	. 33
159 HRNIA~ING&FEM,AC	84 289	.02 .06	80 302	.02	87	.02
160 HRN~ING&FEM,A<70 161 ING&FML HRN,A CC	678	.14	698	.06 .14	279 751	.06 .15
162 INGEFML HRN.A<70	2048	.41	2039	.41	1877	. 38
163 HERNIA PROC.A<18	1168	. 23	1155	. 23	1193	.24
164 APPNDC, CMP DX, AC	46	.01	46	.01	39	.01
165 APPNDC, CMP DX AC	347	. 07	377	.08	374	.08
166 APPNDC CMP DX,AC	224	.04	191	.04	164	.03
167 APPNDC CMP DX AC	7413	1.48	6858	1.37	6652	1.35
168 MOUTH PROCS,A CC 169 MOUTH PROCS~A CC	72 688	.01 .14	74 720	.01 .14	82	. 02
170 OTH DGSTV PR.AIC	103	.02	91	.02	590 313	.12
171 OTH DGSTV PR A C	435	.09	435	.09	842	.17
172 DGSTV MALIG.A CC	1063	.21	1114	. 22	1051	.21
173 DGSTV MALIG A CC	776	.15	697	.14	662	.13
174 GI HMRRHG,A CC	846	.17	841	.17	840	.17
175 GI HMRRHG"A CC	1401	. 28	1531	.31	1445	. 29
176 CMPL PEPTIC ULCR	233	. 05	208	.04	223	.05
177 UNCMP PTC LCR,AC	672	.13	759	.15	764	. 15
178 UNCMP PTC LCR AC 179 INFLM BOWEL DIS	2378 897	.47 .18	2148 897	.43 .18	2111 950	.43
180 GI OBSTRCTN, A CC	254	.05	239	.05	236	.05
181 GI OBSTRCTN A CC	312	.06	323	.06	255	.05
182 MSC DGSTV DIS.AC	4737	,94	4965	.99	4916	1.00
183 MSC DIG DIS,A<70	15216	3.03	15140	3.02	15038	3.05
184 MSC DIG DIS,A<18	8884	1.77	8968	1.79	8886	1.80
185 DNTL DIS"XT,A>17	766	.15	753	.15	693	.14
186 DNTL DIS"XT,A<18	803	.16	703	.14	691	.14
187 DNTL EXTRERESTOR 188 OTH DGSTV DX,A C	1897 698	.38 .14	1791 663	. 36 . 13	1764 698	.36 .14
189 OTH DGST DX,A<70	2087	. 42	2345	.47	2395	.49
190 OTH DGST DX,A<18	1187	. 24	1298	. 26	1215	. 25
191 MJR PNC, LVR, SHNT	33	.01	34	.01	37	.01
192 MNR PNC, LVR, SHNT	76	.02	90	.02	58	.01
193 BLRY TR PRTCH, AC	127	.03	110	. 02	134	.03
194 BLRY TR PR~CH~AC	138	. 03	94	.02	140	.03
195 TOT CHLST, CDE, AC	16		13		15	
196 TOT CHLST, CDE AC	11 478	.10	6 438	0.0	6	0.0
198 TOT CHLST CDE,AC	2366	.47	2095	. 09 . 42	462 2066	.09 .42
199 HPTOBL DX PR,MLG	25		33	.01	2000	.72
200 HPTOBL DX PR MLG	21		29	.01	66	.01
201 OTH HPTBL/PNC PR	45	.01	57	.01		
202 CIRRHEALC HPTTIS	287	.06	271	. 05	271	.05
203 HPTOBL PNC MALIG	500	.10	448	. 09	407	. 08
204 PANC DIS MALIG	366	.07	330	. 07	372	.08
205 OTH LIVER DIS,AC	203	.04	197	.04	179	. 04
206 OTH LIVER DISTAC	677	.13	5 65	.11	527	.11

D	RG	1984		1985		1986	
		No.	1 of	No.	♦ of	No.	1 of
		Patients	Total	Patients	Total	Patients	Total
207	BLRY TR DIS.AICC	590	.12	570	.11	580	.12
	BLRY TR DIS"A CC	1190	. 24	1399	.28	950	.19
	MJR JOINT PROCS	2009	. 40	1730	.35	1757	. 36
	HIPEFEMUR PR.AIC	1403	. 28	1381	.28	1227	. 25
	HIPSFMUR PR,A<70	581	.12	551	.11	465	.09
	HIPEPMUR PR.AC18	227	. 05	197	.04	164	.03
213	MUSCLECN TIS AMP	56	. 01	45	.01	33	.01
	BACKENECK PR,A C	56	. 01	49	.01	47	.01
215	BACKENECK PRTAIC	926	.18	782	.16	746	.15
216	MUSCL&CONN BIOPS	62	. 01	5.5	.01	51	.01
217	SKIN GRAFT HAND	215	. 04	301	.06	225	. 05
218	LWR XTRM PR,A CC	162	. 03	177	. 04	90	.02
219	LWR XTRM PR,A<70	695	.14	693	.14	482	.10
220	LWR XTRM PR,A<18	167	. 03	146	.03	108	.02
	KNEE PROCS,A CC	12		4		88	.02
	KNEE PROCS A CC	797	.16	595	.12	632	.13
	UPR XTRM PR.A CC	56	.01	50	.01	49	.01
	UPR XTRM PR"A CC	485	.10	356	. 07	280	.06
	FOOT PROCS	1015	. 20	1129	. 23	1067	. 22
	SOFT TISS PR,A C	83	.02	72	.01	82	. 02
	SOFT TISS PRTAIC	1014	. 20	912	.18	1014	. 21
	HAND GANGLION PR	4				6	
	HAND PR GANGLION RMVL, HIPS FEM DEV	1351	. 27	1358	. 27	1312	. 27
	RMVL HIPEFEM DEV	374 1972	.07 .39	273	.05	275	. 06
	OTH MSCL&CONN, AC	211	.04	1923 223	. 38	2572	.52
	OTH MSCL&CONN AC	2039	.41	2133	.04	176 1413	.04
	FRACTR OF FEMUR	1160	.23	977	. 20	886	.18
	FRAC OF HIPEPLVS	1307	. 26	1334	. 27	1257	. 25
	SPRN, STRN, DIS HP	81	. 02	76	. 02	56	.01
	OSTEOMYELITIS	411	. 08	, -		324	.07
	PATH FREMSCL MLG	667	.13	733	.15	674	.14
240	CONN TISS DIS, AC	432	.09	436	. 09	359	.07
241	CONN TISS DISTAC	1012	. 20	963	.19	925	.19
242	SEPTIC ARTHRITIS	195	.04	132	. 03	130	. 03
	MED BACK PROBS	6074	1.21	5719	1.14	5571	1.13
	BONE DISEASE, A C	554	.11	546	.11	522	.11
	BONE DISEASE A C	698	.14	619	.12	659	.13
	ARTHROPATHIES, NS	236	. 05	221	.04	217	.04
	SGNS&SYMP, MSCLSK	2785	. 56	3292	.66	2564	. 52
	TNDNTS, MYSTS, BRS	557	.11	504	.10	553	.11
	AFTERCARE, MSCLSK	1896	. 38	1576	.31	1559	. 32
	FX, SPR ARM&FT, AC	571	.11	592	.12	584	.12
	FX,SPRN,DIS A<70	1762	. 35	1871	. 37	1753	. 36
	FX, SPRN, DIS A(18	2458	. 49	2179	. 44	2081	. 42
	OTH FX, SPR A CC	790	. 16	737	.15	727	.15
	OTH FX,SPR A<70 OTH FX,SPR A<18	2944	. 59	3030	.60	2851	. 58
	OTH DX, MSCL&CONN	1624	. 32	1627	.32	1462	. 30
257		1779 167	. 35 . 03	1709	. 34	2044	. 41
	TOT MAST MLG A C	404	.03	163 411	.03	165	.03
	TOT INDI HER WIC	404	. 00	411	.08	392	.08

DR	G	1984		1985		1986	
		No.	1 of	No.	of	No.	lof
		Patients	Total	Patients	Total	Patients	Total
259	SUB MAST MLG.AIC	99	.02	95	.02	106	.02
	SUB MAST MLG A C	179	.04	177	. 04	209	. 04
	BRST PR MLG BIOP	168	. 03	161	. 03	173	.04
	BRST BIOPAEXC ML	2335	. 47	2330	.47	2355	. 48
	SKN GRFT, ULCR, AC	35	.01	42	.01	37	.01
	SKN GRFT, ULCR AC	44	.01	48	.01	47	.01
	SKN GRFT"ULCR, CC	4.3	.01	54	.01	54	.01
	SKN GRFT~ULCR~CC	995	. 20	1218	. 24	1178	. 24
	PRANLEPILONDL PR	413	.08	414	. 08	400	.08
	SKN, SUBCT&BR PLS	698	.14	706	.14	684	.14
	OTH SKN PR A CC	580	.12	645	.13	877	.18
	OTH SKN PR"A CC	6203	1.24	6489	1.30	7503	1.52
	SKIN ULCERS	539	.11	471	.09	430	.09
	MJR SKN DIS.AICC	173	.03	226	. 05	181	.04
273	MJR SKN DISTAICC	523	.10	526	.11	506	.10
274	MLG BRST DIS, A C	514	.10	570	.11	533	.11
275	MLG BRST DIS"A C	304	.06	383	.08	344	.07
276	TMALIG BRST DIS	378	.08	373	.07	376	.08
277	CELLULITIS, A CC	347	.07	356	. 07	307	.06
278	CELLULITIS, A<70	1314	. 26	1352	. 27	1194	. 24
279	CELLULITIS, A<18	777	.15	711	.14	674	.14
280	SKN, SUBCT TR, AC	515	.10	500	.10	466	. 09
281	SKN TRMA,A<70	2033	. 41	2031	. 41	1709	. 35
	SKN TRMA,A<18	1490	. 30	1472	. 29	1315	. 27
283	MNR SKIN DIS A C	774	.15	745	. 15	742	.15
284	MNR SKIN DIS"A C	3795	.76	3800	.76	3773	.76
285	END, NUTR, MET AMP	7		5		11	
286	ADRNLAPIT PROCS	32	.01	38	.01	37	.01
287	SKN GRFTS, EN, N, M	5		3		1	
288	OBESITY OR PROCS	1		3		16	
289	PARATHYROID PROC	27	.01	22		25	.01
	THYROID PROCS	519	.10	486	.10	475	.10
291	THYROGLOSSAL PR	48	.01	45	.01	61	.01
292	OTH E,N,M PR,A C	12		11		19	
	OTH E, N, M PR"A C	63	.01	58	.01	32	.01
	DIABETES AGE>35	3341	.67	3204	.64	3134	.64
	DIABETES AGE<36	946	.19	985	. 20	1127	. 23
	MISC MET DIS,AIC	537	.11	519	.10	495	.10
	MISC MET DS,A<70	851	.17	765	.15	751	.15
	MISC MET DS,A<18	1129	. 23	1293	. 26	1414	. 29
	INBORN MET ERROR	195	.04	218	. 04	221	.04
	ENDCRN DIS,A CC	450	.09	339	. 07	295	.06
	ENDCRN DIS~A CC	891	.18	942	.19	927	.19
	KIDNEY TRANSPLNT	. 4		5		11	
	KID, UR, BL PR, MLG	143	. 03	144	. 03	134	. 03
	KID, UR PR"MLG, AC	177	.04	169	. 03	113	.02
	KID, UR PR"MLG"AC	762	.15	838	.17	647	.13
	PROSTATECTOMY, AC	56	.01	68	. 01	59	.01
	PROSTATECTOMY"AC	44	.01	41	.01	38	.01
	MNR BLDR PR,A CC	34	.01	32	.01	32	.01
309	MNR BLDR PR'A CC	39	.01	57	.01	69	.01

APPENDIX 3

DRG	1984		1985		1986	
	No.	of	No.	1 of	No.	* of
	Patients	Total	Patients	Total	Patients	Total
310 TRNSURETH PR.A C	383	.08	321	.06	292	.06
311 TRNSURETH PRAC	516	.10	467	.09	454	. 09
312 URETHRAL PR,A CC	120	.02	101	.02	114	.02
313 URETHRAL PR.A<70	207	.04	178	.04	174	.04
314 URETHRAL PR,A<18	50	.01	73	.01	185	.04
315 OTH KIDAURN PROC	81	.02	62	.01	5	.02
316 RENAL FLR DLYSIS	913	.18	984	. 20	867	.18
317 RENAL FLR, DLYSIS	3		2		29	.01
318 KIDLUR NEOP, A CC	365	.07	383	.08	373	.08
319 KIDEUR NEOP A CC	313	.06	376	.07	274 890	.06 .18
320 KIDGUR INF,A CC	906	. 18	859 1687		1624	.33
321 KIDGUR INF,A<70	1805 1650	. 36 . 33	1634	.34	1648	.33
322 KIDSUR INF,A<18	302	.06	216	.04	229	.05
323 URNRY STONES,A C 324 URNRY STONES~A C	1693	. 34	1677	.33	1662	. 34
325 KID&UR SG&SY,A C	1009	.20	1079	.22	1020	.21
326 KIDEUR SES,A<70	1693	.34	1479	.30	1662	.34
327 KIDSUR S65,A(18	474	.09	447	.09	464	.09
328 URTHRL STRCT.AIC	333	.07	319	.06	269	.05
329 URTHRL STRC,A<70	381	.08	276	.06	268	.05
330 URTHRL STRC,A<18	33	.01	28	.01	22	
331 OTH KIDGUR DX, AC	401	.08	360	.07	366	. 07
332 OTH KID&UR,A<70	948	.19	822	.16	894	.18
333 OTH KID&UR, A<18	533	.11	514	.10	619	.13
334 MJR PELVIC PR.CC	49	.01	48	.01	30	.01
335 MJR PELVIC PR CC	316	.06	285	.06	220	.04
336 TRNSUR PRSTCT, AC	1099	. 22	1092	. 22	1196	. 24
337 TRNSUR PRSTCT~AC	789	.16	754	.15	824	.17
338 TESTES PR, MALIG	67	.01	92	.02	113	. 02
339 TSTS PR"MLG,A>17	677	.13	716	.14	762	.15
340 TSTS PR"MLG,A<18	2096	.42	2096	. 42	2052	. 42
341 PENIS PROCS	238	.05	229	. 05	231	.05
342 CIRCUMCSION, A>17	438	.09	399	.08	442	.09
343 CIRCUMCSION, A<18	1386	. 28	1332	. 27	1386 24	. 28
344 OTH ML REPRO,MLG	21	0.1	13 60	. 01	56	.01
345 OTH ML REPRO"MLG	29 390	.01 .08	363	.07	421	09
346 ML RPRO MLG,A CC	156	.03	147	.03	186	.04
347 ML RPRO MLGTA CC 348 BNGN PRST HYP, AC	465	.09	474	.09	439	.09
349 BNGN PRST HYP AC	268	.05	268	.05	251	.05
350 MALE REPRO INFLM	586	.12	546	.11	619	.13
351 STERILIZATION, ML	309	.06	326	.07	404	.08
352 OTH ML REPRO DX	692	.14	659	.13	709	14
353 PLVC EVISC.R HYS	35	.01	33	.01	42	.01
354 NON-RAD HYST, A C	190	.04	181	.04	189	.04
355 NON-RAD HYST A C	2211	.44	2277	. 45	2728	. 55
356 FEM RPR RCNST PR	643	.13	614	.12	716	.15
357 UTRSEADNEXA, MALG	47	.01	66	.01	75	.02
358 UTRS&ADNEXATHLG	1122	. 22	1096	. 22	1244	. 25
359 TUBAL INTRRP MLG	608	.12	680	.14	731	.15
360 VGNA, CRVX&VLV PR	1295	. 26	1230	. 25	1379	. 28

DRG	1984	1	1985		1986	
	No.	* of	No.	of	No.	of
	Patients	Total	Patients	Total	Patients	Total
361 LAPSCPYSENDSC,	FE 921	.18	1038	. 21	1057	.21
362 LAPRSCPC TBL I			· 46	.01	181	.04
363 D&C,CON,R-I,MA		.03	158	.03	335	. 07
364 D&C,CONZTN MAL		1.16	5758	1.15	6186	1.25
365 OTH FEM RPRO P		.05	197	.04	315	.06
366 PEM RPRO HLG,A		.05	234	. 05	181	.04
367 FEM RPRO MLG~A		.10	497	.10	444	. 09
368 FEM RPRO INFCT		.06	276	.06	255	. 05
369 MNSTRLAOTH F R 370 CESAREAN, CC	PR 1929 244	. 38	2022 30	. 40	1813	. 37
371 CESAREAN, CC	4175	.05 .83	4735	.01 .95	38	.01
372 VAG DEL, COMPL		.17	4733	. 93	5068	1.03
373 VAG DEL COMPL		10.94	56961	11.37	55635	11.27
385 NEONTS, DIED XF		.28	1353	. 27	1222	.25
386 NEONTS, XTRM IM		.01	91	.02	84	.02
387 PREMTRTY.MJR P		.01	58	.01	47	.01
388 PREMTRTY MJR P		.14	665	.13	627	.13
389 FULL TRM NN, PR		.12	798	.16	784	.16
390 NEON, OTH SIG P	RB 1106	. 22	1523	.30	1580	. 32
391 NORMAL NEWBORN	5 56943	11.35	57908	11.56	57036	11.56
392 SPLENECTOMY, A>		.01	33	.01	42	.01
393 SPLENECTOMY, A			27	.01	13	
394 OTH OR PR,BLOO		.04	195	.04	203	.04
395 RED BLD CL,A>1		.41	2023	. 40	1844	. 37
396 RED BLD CL,A<1		.06	288	.06	274	.06
397 COAGULATION DS		.14	652	.13	510	.10
398 RTCLEND&IMMN,A		.03	158	.03	130	. 0 3
399 RTCLEND&IMMN~A 400 LYMPH LEUK,MJ		.09	423 92	.08	450	. 09
401 LYMPH LEUK,MN,		.02 .01	92 84	. 02	229	. 05
402 LYMPH LEUK,MN~		.01	115	.02 .02	95 157	.02
403 LYMPH LEUK, A C		.17	875	.17	803	.16
404 LYMPH LEUK, A<7		. 26	1268	. 25	1200	. 24
405 LYMPH LEUK, A<1		.10	697	.14	424	.09
406 MYELO DIS,OR,C			7		28	.01
407 MYELO DIS,OR,~			11		36	.01
408 MYELO DISRDR,C	C 152	.03	137	.03	201	.04
409 RADIOTHERAPY	217	.04	123	.02	232	.05
410 CHEMOTHERAPY	2567	.51	2426	. 48	2398	. 49
411 HIST MALG ENDS		.03	48	.01	7	.02
412 HIST MALG, ENDS		.01	51	.01	68	.01
413 OTH MYELO DIS,		.03	190	.04	158	.03
414 OTH MYELO DIS".		.02	139	.03	155	.03
415 OR PR, INFAPAR		.03	118	. 02	114	.02
416 SEPTICEMIA, A>1		. 04	221	.04	196	.04
417 SEPTICEMIA, A<1 418 PSTOP&PSTTR IN		.03	128	.03	126	.03
410 PSIOPEPSITE IN 419 FEVER UNKNWN, A		.09 .01	487 39	.10	486	.10
420 FEVER UNKN,A<7		.01	127	.01	53	.01
421 VIRAL ILLNS,A>		.11	613	.12	92 533	.02
422 VRL ILL, FVR, AC		. 44	2003	.40	1831	.37
			~~~	. 40	1031	1

## APPENDIX 3

D	RG	1984		1985		1986	
		No.	% of Total	No. Patients	% of Total	No. Patients	% of Total
		Patients	TOCAL	Patients	Total	Patients	IUCAI
423	OTH INFEPAR DIS	278	. 06	333	.07	355	.07
424	OR PR.DX1-MENTAL	31	.01	33	.01	31	.01
425	PSYCHOSOC DYSFNC	690	.14	592	.12	481	.10
426	DEPRSV NEUROSES	968	.19	770	.15	703	.14
427	NEUROSES~DEPRSV	54	.01	46	.01	57	.01
428	PERS DISLIMP CON	172	.03	169	.03	156	.03
429	ORG DISTRBAM RET	515	.10	536	.11	495	.10
430	PSYCHOSES	686	.14	705	.14	649	.13
431	CHILDHD MNTL DIS	122	.02	150	.03	185	.04
432	OTH DX-MNTL DSRD	103	.02	58	.01	82	.02
433	SUBST-INDCD MNTL	153	.03	191	.04	107	.02
	DRUG DEPENDENCE	452	.09	507	.10	448	. 09
435	DRUG USE DEPNDNC	673	.13	698	.14	576	.12
439	SKIN GRAFTS, INJR	8		7		9	
440	WOUND DEBRD, INJR	301	.06	328	.07	230	. 05
441	HAND PROC, INJURY	153	.03	127	.03	79	.02
442	OTH OR PR, INJ, AC	112	.02	82	.02	82	. 02
443	OTH OR PR, INJ AC	407	. 08	366	. 07	379	.08
	MLTPL TRAUMA, A   C	364	. 07	359	.07	336	. 07
	MLTPL TRMA,A<70	1725	. 34	1708	. 34	1500	. 30
	MLTPL TRMA,A<18	1115	. 22	937	.19	972	.20
	ALLRGC REAC, A>17	67	.01	49	.01		
	ALLRGC READ, A<18	52	.01	48	.01	39	.01
	TOX EFF, DRGS, A   C	488	.10	502	.10	481	.10
	TOX EFF, DRG, A<70	2361	. 47	2178	. 43	2255	. 46
451		2090	. 42	2132	. 43	2071	. 42
452		128	.03	84	.02	78	.02
453		495	.10	402	.08	394	. 08
	OTH INJ, TXC, A   C	77	.02	110	.02	126	.03
	OTH INJ, TXC~A C	212	.04	215	. 04	201	.04
	BURNS, TRANSFERD	111	.02	101	.02	107	.02
	EXTENSIVE BURNS	6		13		7	
	NON-EXT BRN, GRFT	23		15		9	
	NON-EXT BRN, DBRD	204	.04	182	.04	187	.04
	NON-EXT BRN OR P	855	.17	712	. 14	705	.14
	OR PR, DX-OTH CTC	522	.10	571	.11	491	.10
	REHABILITATION	298	. 06	184	.04	201	.04
	SIGNS&SYMPTMS,CC	77	. 02	60	.01	71	.01
-	SIGNS&SYMPTMS~CC	855	.17	801	.16	665	.13
	AFTRCR, DX2-MALIG	35	.01	27	.01	28	.01
	AFTRCR, DX2=MALIG	489	.10	543	.11	510	.10
	OTH HLTH FACTORS	7254	1.45	6992	1.40	7820	1.58
	UNRELATED OR PRO	4079	.81	4037	.81	3960	.80
470	UNGROUPABLE	1025	. 20	1096	. 22	521	.11

DRG	1	987	1	988
	1 No. Patien	• of	No. Patien	% of
001 CRNIOT A>=18 002 CRNIOT TR A> 003 CRNIOT TR A> 003 CRNIOT ACIB 004 SPINAL PROCS 005 XTRACRNL VAS 006 CARPL TUNNEL 007 OTH NRV PR TOOP 009 SPINAL DIS&I 010 NRVS NEOPL TOOP 012 DEGENR NRVS 013 MP SCLER&CRB 014 SPEC CRBRVSC 015 TRANS ISCHEM 016 NONSP CBV DI 017 NONSP CBV DI 017 NONSP CBV DI 018 CRNL&PRPH TA 020 NRV INF TVRI 021 VYRAL MENING 022 HYPRTNS ENCP 023 NONTR STPR&C 024 SZR&HDACH TA 025 SZR&HD ACIT, 026 SZR&HD ACIT, 027 TRANS TRANS 029 TR ST,CMACI, 030 TR ST,CMACI, 030 TR ST,CMACI, 031 CONCUSSION TA 032 CONCSN A18-6 033 CONCUSSION TA 034 OTH NRV DIS, 035 OTH NRV DIS, 035 OTH NRVS DIS 036 RETINAL PROCS 037 ORBITAL PROCS 038 PRIM IRIS PROCS 039 LENS PROCS 040 XTROC PR ACIT 041 XTROC PR ACIT 042 INTROC PR ACIT 042 INTROC PR ACIT 043 HYPHEMA 044 ACUT MJR EYE 045 NEUR EYE DIS,AI 046 OTH EYE DS,AI 047 OTH EYE DS,AI 048 OTH EYE DS,AI 049 MJR HD&NECK I 050 SIALOADENECTO 051 SALV GLND PR	ratien	ts Total	Patien	ts Total
001 CRNIOT A>=18	~TR 371	.11	358	.11
002 CRNIOT TR A>	-18 117	.03	87	.03
003 CRNIOT A<18	187	.05	163	.05
004 SPINAL PROCS	75	.02	50	.02
005 XTRACRNL VAS	C PR 55	.02	76	.02
006 CARPL TUNNEL	RLS 284	.08	259	.08
007 OTH NRV PR A	6 I CC 55	.02	42	.01
008 OTH NRV PR	A,CC 256	. 07	166	.05
010 NEUG NEGEL	NJ 99	. 03	. 74	.02
Old NRVS NEOPL A	1 CC 93	.03	137	.04
011 NECENB NAME	N,CC 344	.10	3/2	.11
012 DEGENE REVS	1 AT 516	.34	1004	. 31
014 SPFC CPRPVSC	D16 3366	.13	408	.14
015 TRANS ISCHEM	ATT 1150	. 30	3301	1.01
016 NONSP CBV DI	S.CC 54	.02	1131	. 36 . 02
017 NONSP CBC DI	5~CC 177	. 05	175	.02
018 CRNLEPRPH AL	ICC 179	.05	222	.05 .07
019 CRNL&PRPH ~A	.CC 434	.13	455	.14
020 NRV INF "VRL	MNG 559	.16	428	13
021 VIRAL MENING	ITIS 445	.13	334	.13
022 HYPRTNS ENCP	HLOP 7		5	
023 NONTR STPR&C	OMA 118	.03	154	. 05
024 SZREHDACH AS	ICC 570	.17	512	.16
025 SZR&HD A18-6	9~CC 2399	.70	2212	.68
026 SZREHD A<17,	CC 2676	. 78	2726	.83
028 TR ST,CMA<1,	A&   C   1148	. 34	1062	. 33
029 TR ST,CMA(1,	A <td>1.27</td> <td>3878</td> <td>1.19 1.40</td>	1.27	3878	1.19 1.40
030 IR ST, CMACI,	AC18 5482	1.60	4562	1.40
032 CONCUSSION A	6 CC 116	.01	36	.01
033 CONCUSSION A	218 72	.03	91	.03
034 OTH NEV DIS	ALIC 207	.02	80	.02
035 OTH NRVS DIS	.TAC 732	21	104	. 06 . 24
036 RETINAL PROC	s 260	.08	301	.09
037 ORBITAL PROC	s 66	. 02	87	.03
038 PRIM IRIS PRO	ocs 153	.04	212	.06
039 LENS PROCS	3050	. 89	3484	1.07
040 XTROC PR A>=:	18 1290	. 38	1371	42
041 XTROC PR Ac1	8 1721	. 50	1718	. 53
042 INTROC PR, "R	,I,L 438	.13	482	.15
043 HYPHEMA	205	. 06	221	.07
044 ACUT MJR EYE	INF 199	. 06	174	.05
045 NEUR EYE DISI	RDRS 199	.06	171	.05
045 OTH EYE DS.A	>1/C 89	.03	85	.03
04/ OTH EYE DS,A	1599	. 47	1409	. 43
O40 OTH EYE DIS,	RC10 475	.14	554	.17
OSO STATOADENECE	PRUC 35	.01	45	.01
051 SALV CLAD PP	UNI /9	.02	91	.03
ON NAME OF STREET	21W 33	.01	45	.01

DI	RG	1987		1988	
		No.	* of	No. Patients	tor
	CLFT LIPEPLT REP SNSEMAST PR A>17 SNSEMAST PR A>17 SNSEMAST PR A>18 MISC EAR,NS,THRT RHINOPLASTY TEA TNS,AD A>17 TNSECT,ADCT A>18 MYRINGOTOMY A>17 MYRINGOTOMY A>17 MYRINGOTOMY A>18 OTH E,N,T OR PR ER,NS,THRT MALIG DYSEQUILIBRIUM EPISTAXIS EPIGLOTTIITIS OMEURI, A&[CC OMEURI, A<18 LARYNGOTRCHEITS NSL TR E DEFORM OTH E,N,T A>17 OTH E,N,T A>17 OTH E,N,T A>17 OTH E,N,T A>17 OTH E,N,T A>18 MJR CHEST PROCS OR RSP, MJRCH, CC OR RSP, MJRCH, CC PULMNRY EMBOLISM RSP INFEINL A<70 RSP INFEINL A<70 RSP INFEINL A<18 RESP NEOPLASMS MJR CHST TR A&[C EFFUSN A&[C FNEUMOTHRX A CC FNEUMOTHRX A CC BRNCH&ASTH A&[C ERNCH&ASTH A&[C RSP SGNESY A CC	Patients	Total	Patients	Total
052	CLFT LIPAPLT REP	181	.05	144	.04
053	SNS&MAST PR A>17	476	.14	333	.10
054	SNSEMAST PR A<18	369	.11	352	.11
055	MISC EAR.NS.THRT	1570	.46	1538	. 47
056	RHINOPLASTY	424	.12	385	.12
057	TEA TNS, AD A>17	66	.02	62	.02
058	TEA "TNS.AD A<18	915	. 27	923	. 28
059	TNSECT.ADCT A>17	938	. 27	807	. 25
060	TNSECT, ADCT A<18	3995	1.17	3844	1.18
061	MYRINGOTOMY A>17	212	.06	169	. 05
062	MYRINGOTOMY A<18	1991	. 58	2028	.62
063	OTH E,N,T OR PR	285	.08	280	.09
064	ER, NS, THRT MALIG	507	.15	457	.14
065	DYSEQUILIBRIUM	511	, 15	615	.19
066	EPISTAXIS	1057	. 31	972	. 30
067	EPIGLOTTIITIS	32	. 01	43	. 01
068	OM&URI, A& CC	177	.05	185	. 06
069	OM&URI,A18-69°C	826	. 24	891	. 27
070	OMEURI, A<18	4581	1.34	4615	1.41
071	LARYNGOTRCHEITS	697	. 20	504	.15
072	NSL TR & DEFORM	1272	. 37	1325	. 41
073	OTH E,N,T A>17	1497	. 44	1500	. 46
074	OTH E,N,T A<18	1172	. 34	1109	. 36
075	MJR CHEST PROCS	285	.08	315	.10 .01
076	OR RSP, MJRCH, CC	58	.02	43	.01
077	OR RSP, MJRCH, C	129	.04	305	.12
078	PULMNRY EMBOLISM	431	.13	176	.05
0/9	RSP INFEINFL AIC	211	.06	156	.05
080	RSP INFEING ACTO	25	.00	34	.01
081	KPL INLFING W(10	1707	53	1879	.58
002	MID CUCT TO ALLC	33	.01	19	.01
003	MID CUST TR AND	52	.02	60	.02
004	DIDL DEBUCH ALL	146	04	160	.05
085	DIDI PERISH ACTO	106	.03	106	.03
087	DIM POPMALESP FI.	126	.04	131	.04
ORR.	CHRN PULM OBSTR	5773	1.69	5221	1.60
080	SMPI. PNEULPI. ALC	2381	.70	2226	.68
090	SMPL PNEULP A<70	1034	. 30	930	. 28
091	SMPL PNEUSP AC18	1588	.46	1653	.51
092	INTRST LUNG ALCC	152	.04	139	.04
093	INTRST LUNG A.C	384	.11	315	.10
094	PNEUMOTHRX AICC	131	.04	101	.03
095	PNEUMOTHRX A,CC	353	.10	331	.10
096	BRNCH&ASTH A CC	584	.17	623	.19
097	BRNCHLASTH A<70	2094	.61	1972	.60
098	BRNCHEASTH A<17	5999	1.76	6132	1.88
099	RESP SGN&SY A JCC	307	.09	299	. 09
100	RSP SGNESY A<70	918	. 27	891	.27
101	OTHR RSP DX A CC	1400	. 41	1311	. 40

DRG		1987		1988	1988	
		No.	1 of	No.	of	
	RG	Patients	Total	No. Patients	Total	
102 103	OTHR RSP DX A<70 HEART TRANSPLANT CRDC VLV W/P,CCT CRDC VLV W/P,CCT CRNYR BYPS W/CCT CRNRY BYPS W/CCT CRNRY BYPS W/CCT CRNRY BYPS, "CCTH CRDTHR PR, "PUMP MJR RCSTR VSC,AC MJR RCNST VSC,AC MJR RCNST VSC,AC AMP CRC"UP LIMB UP LIMBETOE AMP PCMKR,AMI OR CHF PCMKR, "AMI CHF PCMKR REP" PLSGN PULSE GEN REPL VEIN LGTN&STRPNG OTHER CRC OR PR CRC DIS,AMI&CV CRC DIS,AMI&CV CRC DIS,AMI&CV CRC DIS,AMI,XPRD CRC"AMI,CCT*CPLX ENDOCARDITIS HRT FLR&SHOCK DP VN THRMBPHLEB CARDIAC ARREST PRPHL VSC DIS,AC PRPHL VSC DIS,AC ATHRSCLROSIS,A C ATHRSCLROSIS,A C ATHRSCLROSIS*A C HYPERTENSION CRDC CNG&VV,A<70 CRDC CNG&VV,A<70 CRDC CNG&VV,A<70 CRDC CNG&VV,A<18 ARRHYTH&CNDC,A C ARRHYTH&CNDC,A C ARRHYTH&CNDC,A C ARRHYTH&CNDC,A C ARRHYTH&CNDC,A C CRDC CNG&VV,A<18 ARRHYTH&CNDC,A C ARRHYTH&CNDC,A C CRDC CNG&VV,A<18 ARRHYTH&CNDC,A C CRDC CNG&VV,A<18 ARRHYTH&CNDC,A C ARRHYTH&CNDC,A C CRDC CNG&VV,A<18 ARRHYTH&CNDC,A C CRDC CNG&VV,A<18 ARRHYTH&CNDC,A C CRDC CNG&VV,A<18 ARRHYTH&CNDC,A C ARRHYTH&CNDC,A C ARRHYTH&CNDC,A C CRDC CNG&VV,A<18 ARRHYTH&CNDC,A C ARRHYTH&CNDC,A C ARRHYTH&CNDC,A C ARRHYTH&CNDC,A C ARRHYTH&CNDC,A C ARRHYTH&CNDC,A C CRCTAL RSCTN,A C MJR BOWEL PR,A C MJR BOWEL PR,A C MJR BOWEL PR,A C MNR BOWEL PR,A C	1616	. 47	1988 No. Patients  1468  24 155 22 584 124 225 168 281 190 71 32 266 21 82 576 238 716 3331 794 57 1507 37 3012 820 346 915 745 914 1055 1763 282 290 390 1332 1163 28663 596 894 4984 235 449 240 165 655 148 186	. 45	
104	CRDC VLV W/P,CCT	13		4		
105	CRDC VLV W/P~CCT	78	.02	155	.05	
106	CRNRY BYPS W/CCT	13		22	.01	
107	CRNRY BYPS, CCTH	259	.08	584	.18	
109	CRDTHR PR, "PUMP	145	. 04	124	.04	
110	MJR RCSTR VSC,AC	227	. 07	225	.07	
111	MJR RCNST VSC,AC	187	.05	168	. 05	
112	MJR RCNST VSC~AC	230	.07	281	. 09	
113	AMP CRC~UP LIMB	200	.06	190	.06	
114	UP LIMBETOE AMP	51	.01	71	.02	
115	PCMKR, AMI OR CHF	26	.01	32	.01	
116	PCMKR, ~AMI CHF	267	.08	266	.08	
117	PCMKR REP [®] PLSGN	28	.01	21	.01	
118	PULSE GEN REPL	2		8		
119	VEIN LGTN&STRPNG	2425	.71	2576	.79	
120	OTHER CRC OR PR	254	. 07	238	.07	
121	CRC DIS, AMILE, CC	747	. 22	716	. 22	
122	CRC DIS, AMI&CV	3225	.94	3331	1.02	
123	CRC DIS,AMI,XPRD	925	. 27	794	. 24	
124	CRC~AMI,CCT&CPLX	56	.02	57	.02	
125	CRC~AMI,CCT~CPLX	1683	. 49	1507	. 46	
126	ENDOCARDITIS	44	.01	37	.01	
127	HRT FLR&SHOCK	3141	. 92	3012	. 92	
128	DP VN THRMBPHLEB	909	. 27	820	. 25	
129	CARDIAC ARREST	336	.10	346	.11	
130	PRPHL VSC DIS,AC	1129	.33	915	. 28	
131	PRPHL VSC DIS~AC	987	. 29	745	.23	
132	ATHRSCLROSIS, A   C	1144	.33	914	. 28	
133	ATHRSCLROSIS~A C	1275	. 37	1055	. 32	
134	HYPERTENSION	1836	.54	1763	.54	
135	CRDC CNG&VLV,A C	351	.10	282	. 09	
136	CRDC CNG&VV,A<70	304	.09	290	.09	
137	CRDC CNG&VV,A<18	233	.07	390	.12	
138	ARRHYTH&CNDC, A   C	1435	. 42	1332	.41	
139	ARRHYTH& CNDC A   C	1297	. 38	1163	. 36	
140	ANGINA PECTORIS	2727	.80	2663	.82 .18 .27 1.53 .07	
141	SYNCP&CLLPS,A CC	594	.17	596	.18	
142	SYNCP&CLLPS, "A   C	924	. 27	894	. 27	
143	CHEST PAIN	4655	1.36	4984	1.53	
144	OTH CIRC DX,CC	238	.07	235	.07	
145	OTH CIRD DX, CC	503	. 15	449	.14	
146	RECTAL RSCTN, A   C	167	.05	240	.07	
147	RECTAL RSCTN~A C	179	.05	165	. 05	
148	MJR BOWEL PR,A C	616	.18	618	.05 .19 .15	
149	MJR BOWEL PRAIC	574	.17	505	.15	
150	PRTNL ADHESLS, AC	65	.02	65	.02	
151	PRTNL ADHESLS"AC	149	.04	148	.05	
152	MNR BOWEL PR,A C	161	. 05	186	.06	

(BIRTHS ARE EXCLUDED)

DRG	1987		1988	
	No.	% of	No. Patients	
	Patients	Total	racients	Total
153 MNR BOWEL PR~A C	616	.18	671 410 643 249 230 1292 82 294 722 1888 1098 29 430 142 5285 54 314 218 863 1046 627 716 1129 200 624 1819 959	. 21
154 STM,ESO,DD PR,AC 155 STM,ESO,DD A<70 156 STM,ESO,DD A<70 156 STM,ESO,DD A<18 157 ANAL PROCS A CC 158 ANAL PROCS A CC 159 HRNIA ING&FEM,AC 160 HRN ING&FEM,AC 161 ING&FML HRN,A CC 162 ING&FML HRN,A<70 163 HERNIA PROC,A<18 164 APPNDC,CMP DX,AC 165 APPNDC,CMP DX,AC 166 APPNDC CMP DX,AC 167 APPNDC CMP DX,AC 168 MOUTH PROCS A CC 170 OTH DGSTV PR,A C 171 OTH DGSTV PR,A C 171 OTH DGSTV PR,A C 172 DGSTV MALIG A CC 173 DGSTV MALIG A CC 174 GI HMRRHG,A CC 175 GI HMRRHG,A CC 176 CMPL PEPTIC ULCR 177 UNCMP PTC LCR,AC 178 UNCMP PTC LCR,AC	397	.12	410	.13
155 STM. ESO. DD A<70	616	.18	643	. 20
156 STM.ESO.DD A<18	226	.07	249	.08
157 ANAL PROCS AICC	200	.06	230	.07
158 ANAL PROCS "AICC	1477	. 43	1292	. 40
159 HRNIA ING& FEM. AC	79	.02	82	.03
160 HRN ING&FEM.A<70	309	. 09	294	.09
161 ING&FML HRN,A CC	742	. 22	722	. 22
162 INGEPML HRN, A<70	1907	.56	1888	. 58
163 HERNIA PROC,A<18	1137	.33	1098	. 34
164 APPNDC, CMP DX, AC	32	.01	29	.01
165 APPNDC, CMP DX~AC	466	.14	430	.13
166 APPNDC CMP DX,AC	163	.05	142	.04
167 APPNDC~CMP DX~AC	6133	1.79	5285	1.62
168 MOUTH PROCS,A CC	82	.02	54	.02
169 MOUTH PROCS A CC	607	.18	314	.10
170 OTH DGSTV PR,A C	273	.08	218	.07
171 OTH DGSTV PR~A C	1029	. 30	863	. 26
172 DGSTV MALIG,A CC	971	. 28	1046	. 32
173 DGSTV MALIGTA CC	623	.18	627	.19
174 GI HMRRHG,A CC	699	. 20	716	. 22
175 GI HMRRHG"A CC	1230	. 36	1129	. 35
176 CMPL PEPTIC ULCR	179	. 05	200	.06
177 UNCMP PTC LCR,AC 178 UNCMP PTC LCR AC	714	. 21	624	.19
178 UNCHP PTC LCR AC	1915	. 56	1819	. 56
179 INFLM BOWEL DIS 180 GI OBSTRCTN,A CC 181 GI OBSTRCTN*A CC 182 MSC DGSTV DIS,AC 183 MSC DIG DIS,A<70 184 MSC DIG DIS,A<18 185 DNTL DIS*XT,A>17 186 DNTL DIS*XT,A<18 187 DNTL EXTRERSTOR 189 OTT DGSTV DY A C	927	. 27	959	. 29
180 GI OBSTRCTN, A CC	211	.06	226	. 07
181 GI OBSTRCTN A CC	293	.09	299	.09
182 MSC DGSTV DIS,AC	4578	1.34	4722	1.45
183 MSC DIG DIS,A<70	14205	4.16	13/2/	4.20
184 MSC DIG DIS,A<18	8954	2.62	8276	2.53
185 DNTL DIS XT,A>17	588	.17	524	.16
186 DNTL DIS XT,A<18	638	.19	582	.18
187 DATE EXTRERESTOR	1019	. 4 /	1333	.41
188 OTH DGSTV DX,A C	035	.19	2303	.70
189 OTH DGST DX,AC/U	2152	.03	2303	. 70
187 DNTL EXTREMESTOR 188 OTH DGSTV DX.A[C 189 OTH DGST DX.A<70 190 OTH DGST DX.A<18 191 MJR PNC.LVR.SHNT	1144	.33	743 27	.01
191 MJR PNC, LVR, SHNT 192 MNR PNC, LVR, SHNT 193 BLRY TR PR CH, AC 194 BLRY TR PR CH AC	54	.01	37	.03
192 MNR PNC, LVR, SHNT	120	.02	154	.05
193 BLRI TR PR CHAC	110	.04	110	.03
194 BLRI TR PR CR AC	117	.03	10	.03
195 TOT CHEST, CDE, AC	13		10	
193 BLRY TR PR"CH,AC 194 BLRY TR PR"CH"AC 195 TOT CHLST,CDE,AC 196 TOT CHLST,CDE"AC 197 TOT CHLST"CDE,AC 198 TOT CHLST"CDE"AC 199 PPTOBL DX PR,MLG	425	12	1819 959 226 299 4722 13727 8276 524 582 1333 596 2303 943 37 94 154 110	.12
197 101 CREST CDS,AC	1913	.56	1867	.57
100 COMOST CAR AC	69	.02	55	.02
		.02	50	.02
200 HPTOBL DX PR~MLG 201 OTH HPTBL/PNC PR 202 CIRRH&ALC HPTTIS	56	.02	47	.01
201 OIR REIDB/FRC FR	293	.02	256	.08
ZVZ CIKKHANDC BFITIS	473	. 0 9	250	. Vo

DRG	1987		1988	
	No.	% of	No.	% of
203 HPTOBL PNC MALIG 204 PANC DIS "MALIG 205 OTH LIVER DIS, AC 206 OTH LIVER DIS, AC 207 BLRY TR DIS, A CC 208 BLRY TR DIS, A CC 209 MJR JOINT PROCS 210 HIP4FEMUR PR, A C 211 HIP4FMUR PR, A<18 213 MUSCL&CN TIS AMP 214 BACKANECK PR, A C 215 BACKANECK PR, A C 216 MUSCL&CONN BIOPS 217 SKIN GRAFT"HAND 218 LWR XTRM PR, A<18 221 KNEE PROCS, A CC 219 LWR XTRM PR, A<18 221 KNEE PROCS, A CC 222 KNEE PROCS A CC 223 UPR XTRM PR, A CC 224 UPR XTRM PR, A CC 225 FOOT FISS PR, A C 226 SOFT TISS PR, A C 227 SOFT TISS PR, A C 228 HAND GANGLION PR 229 HAND PR"GANGLION PR 230 RMYL, HIP4FEM DEV 231 RMVL"HIP4FEM DEV 231 RMVL"HIP4FEM DEV 231 RMVL"HIP4FEM DEV 233 OTH MSCL&CONN, AC 235 FRACTR OF FEMUR 236 FRAC OF HIP4PLVS 237 SPRN, STRN, DIS HP 238 OSTEOMYELITIS 239 PATH FREMSCL MLG 240 CONN TISS DIS, AC 241 CONN TISS DIS, AC 241 CONN TISS DIS, AC 242 SEPTIC ARTHRITIS 243 MED BACK PROBS 244 BONE DISEASE, A C 246 ARTHROPATHIES, NS 247 SGNS&SYMP, MSCLSK 248 TNDNTS, MYSTS, BRS 249 AFTERCARE, MSCLSK 250 FX, SPRN, DIS A<70 252 FX, SPRN, DIS A<70 252 FX, SPRN, DIS A<71 253 OTH FX, SPR A CC	Patients	Total	No. Patients	Total
203 HPTOBL PNC MALIG	366	.11	390 349 154 407 517 854 1404 1035 377 172 25 36 771 53 262 75 455 102 84 427 42 321 923 66 916 916	.12
204 PANC DIS TMALIG	352	.10	349	.11
205 OTH LIVER DIS,AC	180	. 05	154	.05
206 OTH LIVER DISTAC	456	.13	407	.12
207 BLRY TR DIS,A CC	583	.17	517	.16
208 BLRY TR DIS~A CC	934	. 27	854	. 26
209 MJR JOINT PROCS	1412	. 41	1404	.43
210 HIPAPEMUR PR,AIC	1219	. 36	1035	. 32
211 HIPEPMUR PR,AC/U	398	.12	377	.12
212 HIPEFMUR PR,ACI8	205	.06	172	.05
213 MUSCLECN TIS AMP	34	.01	25	.01
214 BACKENECK PR.AIC	38	.01	_36	.01
215 BACKENECK PK AIC	/10	. 21 . 02	//1	. 24
210 ROSCDECORN BIOPS 217 SKIN GRAPT"HAND	246	.02	33 363	.02
217 SKIN GRAFT HAND	240 A2	.02	202 75	.08
219 LWR XTRM PR.AC70	458	.13	466	.14
220 LWR XTRM PR.A<18	98	.03	102	03
221 KNEE PROCS.AICC	66	.02	RA	.03
222 KNEE PROCS A CC	545	.16	427	.13
223 UPR XTRM PR.AICC	48	.01	42	.01
224 UPR XTRM PRTA CC	338	.10	321	.10
225 FOOT PROCS	971	. 28	923	. 28
226 SOFT TISS PR,A C	75	.02	66	.02
227 SOFT TISS PRTAIC	932	. 27	916	. 28
228 HAND GANGLION PR	1		3	
229 HAND PR GANGLION	1228	. 36	1192	. 36
230 RMVL, HIP&FEM DEV	237	. 07	223	.07
231 RMVL"HIPEPEM DEV	2120	.62	1811	. 55
233 OTH MSCL&CONN,AC	132	.04	167	.05
234 OTH MSCLECONN AC	1114	. 33	1062	. 33
235 FRACTR OF FEMUR	761	. 22	590	.18
230 FRAC OF HIPEPLVS	1145	. 34	1048	. 32
237 SERN, SIRN, DIS RE	204	.01 .08	45	.01
230 DATH FRANSCI, MLC	616	.18	310 676	.10 .21
240 CONN TIES DIS AC	362	.11	215	.10
241 CONN TISS DISTAC	870	.26	705	.10
242 SEPTIC ARTHRITIS	118	.03	113	.03
243 MED BACK PROBS	4997	1.46	4480	1.37
244 BONE DISEASE, AIC	520	.15	465	.14
245 BONE DISEASE"A C	612	.18	615	.19
246 ARTHROPATHIES, NS	164	.05	141	.04
247 SGNS&SYMP, MSCLSK	2443	.71	2329	.71
248 TNDNTS, MYSTS, BRS	464	.14	487	.15
249 AFTERCARE, MSCLSK	1332	. 39	707	. 22
250 FX,SPR ARM&FT,AC	588	.17	569	.17
251 FX,SPRN,DIS A<70	1730	. 51	1318	.40
252 FX,SPRN,DIS A<18	2054	. 60	1795	.55
253 OTH FX,SPR A CC	628	.18	916 3 1192 223 1811 167 1062 590 1048 45 318 676 315 795 113 4480 465 615 141 2329 487 707 569 1318 1795 565	.17

DRO	G	1987		1988	
		No.	% of	No. Patients	♣ of
		Patients	Total	Patients	Total
254 (	OTH FX,SPR A<70	2524	.74	2262 1191 1679 171 330 240 136 2115 26 40 42 1275 351 500 800 6027 331 170 415 550 268 260 264 980 500 360 1346 1243 517 2642 6 38	.69
255 (	OTH FX,SPR A<18	1449	. 42	1191	. 36
256 0	OTH DX,MSCL&CONN	1449 1694	.50	1679	.51
257 1	TOT MAST HLG, A C	197	.06	171	. 05
258 2	TOT MAST MLG~A C	352	.10	330	.10
259 9	SUB MAST MLG,AjC	126	.04	130	. 04
260 8	SUB MAST MLG~A C	232	.07	240	. 07
261 E	BRST PR~MLG~BIOP	141	. 04	136	.04
262 E	BRST BIOP&EXC~ML	2256	.66	2115	.65
263 5	OTH DX,MSCL&CONN FOT MAST MLG,A C FOT MAST MLG,A C SUB MAST MLG,A C SUB MAST MLG,A C BRST PR'MLG'BIOP BRST BIOP&EXC'ML SKN GRFT,ULCR,AC SKN GRFT,ULCR'AC SKN GRFT,ULCR'C SKN GRFT'ULCR'C	31	.01	26	.01
264 5	SKN GRFT,ULCR AC	35	.01	40	.01
265 5	KN GRFT ULCR,CC	41	.01	42	.01
266 8	SKN GRFT ULCR CC	1219	. 36	1275	. 39
26/ 1	PRANLEPILONDL PR	323	. 09	351	.11
200 3	SKN, SUBCTEBR PLS	603	.18	500	.15
270 0	OTH SKN PR AICC	6407	. 26	800	. 24
270 (	OTH SKN PK AICC	354	1.90	6027	1.84
272 6	KID SEN DIS AICC	163	.05	331 170	.10 .05
273	UR SEN DISTALCC	357	.10	415	.13
274	ILG BRST DIS.AIC	512	.15	550	.17
275 M	LG BRST DIS ALC	255	. 07	268	.08
276	MALIG BRST DIS	337	.10	260	.08
277 0	ELLULITIS.A CC	285	ÔŠ	264	.08
278 C	ELLULITIS.A<70	1047	. 31	980	.30
279 C	CELLULITIS, A<18	542	.16	500	.15
280 5	KN, SUBCT TR, AC	426	.12	360	.11
281 5	KN TRMA,A<70	1551	. 45	1346	. 41
282 5	SKN TRMA,A<18	1323	. 39	1243	. 38
283 M	INR SKIN DIS,A C	597	. 17	517	.16
284 M	INR SKIN DIS~A C	3072	.90	2642	. 81
285 E	IND, NUTR, MET AMP	. 5		6	
286 A	DRNLEPIT PROCS	30	.01	38	.01
287 5	KN GRFTS, EN, N, M	3		4	
288 0	DBESITY OR PROCS	14		12	
289 F	PARATHYROID PROC	427	.01	35	01
290 1	MIROID PROCS	43/	.13	444	.14
202 6	MU T N M DD ALC	50	.01	3 <b>q</b>	.01
293 0	710 C,N,0 FN,N C	44	.01	13	0.1
294 5	710 B,0,0 FR A C	2000	.85	2770	.01 .85
295 D	TABETES AGE/36	1160	,34	808	.27
296 M	ISC MET DIS.AIC	440	13	446	.14
297 M	ISC MET DS.A<70	636	.19	530	.16
298 M	SKN GRFT"ULCR,CC SKN GRFT"ULCR"CC PRANLEPILONDL PR SKN,SUBCTEBR PLS DTH SKN PR A CC DTH SKN PR"A CC DTH SKN PR"A CC DTH SKN PR"A CC DTH SKN DIS,A CC SKIN ULCERS MJR SKN DIS,A CC MALG BRST DIS"A CC MALIG BRST DIS"A CC MALIG BRST DIS"CELLULITIS,A C10 CELLULITIS,A C10 CELLULITIS,A C10 SKN TRMA,A C10 SKN TRMA	1230	. 36	1069	.33
299 I	NBORN MET ERROR	254	.07	241	.07
300 E	NDCRN DIS,A CC	295	. 09	258	.08
301 E	NBORN MET ERROR ENDORN DIS,A CC ENDORN DIS A CC	752	.22	688	. 21
302 K	LIDNEY TRANSPLAT	8	= *	2642 6 38 4 12 35 444 34 13 46 2779 898 446 530 1069 241 258 688 6	
303 K	ID, UR, BL PR, MLG	104	.03	142	.04

DRG	1987		1988	
	No.	1 of	No. Patients	* of
	Patients	Total	Patients	Total
304 KID, UR PR"MLG, AC	122	.04	134	.04
305 KID, UR PR"MLG"AC	697	. 20	699	. 21
306 PROSTATECTOMY, AC	58	.02	76	.02
307 PROSTATECTOMY AC	38	.01	48	.01
306 PROSTATECTOMY, AC 307 PROSTATECTOMY AC 308 MNR BLDR PR, A CC 309 MNR BLDR PR'A CC 310 TRNSURETH PR, A CC 311 TRNSURETH PR A CC 312 URETHRAL PR, A CO 313 URETHRAL PR, A CT 314 URETHRAL PR, A CT 315 OTH KID4URN PROC 316 RENAL FLR DLYSIS 317 RENAL FLR, DLYSIS	38	.01	46	.01
309 MNR BLDR PR"A CC	52	.02	59	.02
310 TRNSURETH PR,A C	256	.07	59 346	.11
311 TRNSURETH PRTAIC	371	.11	440	.14
312 URETHRAL PR,A CC	87	.03	117	.04
313 URETHRAL PR,A<70	161	. 05	149	.05
314 URETHRAL PR,A<18	156	. 05	149	.05
315 OTH KIDEURN PROC	88	.03	82	.03
316 RENAL FLR DLYSIS	739	. 22	648	. 20
317 RENAL FLR.DLYSIS	13		7	
318 KIDAUR NEOP, A CC	294	. 09	286	.09
319 KIDEUR NEOP AJCC	270	. 08	301 765 1280	.09
320 KIDSUR INF, A JCC	825	. 24	765	. 23
321 KIDSUR INF,AC/U	1301	.40	1200	. 39
322 KIDSUK INF,ACIO	1550	. 45	1290	. 39
323 URNRI STUNES,A C	1477	. 06 . 43	210 1514	.06
324 URNRI STUNES A C	14//	.43	705	. 46
325 KIDAUR SGASI,A C	1250	. 37	1200	. 22 . 37
315 OTH KIDBURN PROC 316 RENAL FLR DLYSIS 317 RENAL FLR, DLYSIS 318 KIDGUR NEOP A CC 319 KIDGUR NEOP A CC 320 KIDGUR INF, A CC 321 KIDGUR INF, A CO 322 KIDGUR INF, A CO 323 URNRY STONES A C 324 URNRY STONES A C 324 URNRY STONES A C 325 KIDGUR SGGSY, A C 326 KIDGUR SGGSY, A C 327 KIDGUR SGGSY, A C 328 URTHRL STRCT, A CO 329 URTHRL STRC, A CO 329 URTHRL STRC, A CO 330 URTHRL STRC, A CO 331 OTH KIDGUR, AC 331 OTH KIDGUR, AC 332 OTH KIDGUR, AC 333 OTH KIDGUR, AC 335 MJR PELVIC PR CC 336 TRNSUR PRSTCT, AC 337 TRNSUR PRSTCT, AC 338 TESTES PR MALIG 339 TSTS PR MLG, A CO 341 TESTES 341 PENIS PROCS 342 CIRCUMCSION, A CO	1233	.12	352	.11
320 HDTUDI CTDCT ALC	256	.07	249	.08
370 HETHEL STREET, A   C	211	.06	250	.08
330 URTHRI STRC ACIR	18	.01	15	.03
331 OTH KIDAUR DX.AC	384	.11	340	.10
332 OTH KIDSUR AC70	687	. 20	656	.20
333 OTH KIDAUR.A<18	579	.17	681	.21
334 MJR PELVIC PR.CC	30	.õi	20	.01
335 MJR PELVIC PR°CC	169	.05	119	.04
336 TRNSUR PRSTCT.AC	1206	. 35	1300	.40
337 TRNSUR PRSTCT AC	787	. 23	846	. 26
338 TESTES PR. MALIG	104	.03		.04
339 TSTS PR~MLG.A>17	685	. 20	116 766	. 23
340 TSTS PR"MLG, A<18	1933	. 57	1810	. 55
341 PENIS PROCS	209	.06	223	. 07
342 CIRCUMCSION, A>17	359	.11	223 351	.11
343 CIRCUMCSION, A<18	1322	. 39	1288	. 39
344 OTH ML REPRO, MLG	11		13	
345 OTH ML REPROTALG	37	.01	45	.01
340 TSTS PR"MLG,A<18 341 PENIS PROCS 342 CIRCUMCSION,A>17 343 CIRCUMCSION,A<18 344 OTH ML REPRO,MLG 345 OTH ML REPRO"MLG 346 ML RPRO MLG,A CC 347 ML RPRO MLG"A CC 348 BNGN PRST HYP"AC 349 BNGN PRST HYP"AC 350 MALE REPRO INFLM 351 STERILIZATION,ML	393	.11	405	.12
347 ML RPRO MLG A CC	135	.04	141	.04
348 BNGN PRST HYP, AC	365	.11	358	.11
349 BNGN PRST HYP"AC	242	.07	240	.07
350 MALE REPRO INFLM	473	.14	448	.14
351 STERILIZATION, ML	242 473 392 742	.11	348	.11
334 OIR RE REPRO DX	742	. 22	640	.20
353 PLVC EVISC,R HYS	46	.01	40	.01

DRG	1987		1988	
	No.	% of	No. Patients	% of
	Patients	Total	Patients	Total
354 NON-RAD HYST, A C	213	.06	222	.07
355 NON-RAD HYST A C	213 2745	.80	2809	.86
356 FEM RPR RCNST PR	664	.19	693	.21
357 UTRS&ADNEXA, MALG	64	.02	57	.02
355 NON-RAD HYST A C 356 FEM RPR RCNST PR 357 UTRS&ADNEXA MALG 358 UTRS&ADNEXA MLG 359 TUBAL INTRP MLG 360 VGNA, CRVX&VLV PR	1217	. 36	1257	. 38
359 TUBAL INTRRP~MLG	806	. 24	592	.18
360 VGNA, CRVX&VLV PR	1276	. 37	1276	. 39
361 LAPSCPY&ENDSC, FE	984	. 29	1276 1168	.36
362 LAPRSCPC TBL INT	282	.08	406	.12
363 D&C,CON,R-I,MALG	324	.09	316	.10
364 D&C,CONZTN~MALIG	6062	1.77	6248	1.91
365 OTH FEM RPRO PR	275	.08	266	.08
366 FEM RPRO MLG, A C	208	.06	176	.05
367 FEM RPRO MLG A C	313	. 09	291	. 09
368 FEM RPRO INFCTNS	222	.06	207	. 06
369 MNSTRLEOTH F RPR	1000	. 47	248 266 176 291 207 1427 34 18 176 1515	.44
392 SPLENECTOMY, A>1/	39	.01 .01	10	.01
393 SPLENECTOMY, ACTO	160	.05	176	.05
394 OTH OR PRIBLOOD	1672	.05	170	.46
393 KEU BLU (L,A)I/	2074	. 4.7 . 0.8	1212	.10
375 KED BLD CL,ACIS	275	.08	330	.12
397 CONGULATION DSRD	168	.05	151	.05
390 RICLENDEIMMN'A C	439	13	351	.11
400 LVMPH LEUK. M.I. PR	216	.06	218	. 07
401 LYMPHILEUK.MN.AC	96	.03	70	.02
402 LYMPH LEUK, MN AC	157	. 05	145	.04
403 LYMPHILEUK, AICC	717	.21	759	, 23
404 LYMPHILEUK, A<70	925	. 27	965	.30
405 LYMPH LEUK,A<18	464	.14	566	.17
406 MYELO DIS,OR,CC	26	.01	36	.01
407 MYELO DIS,OR, CC	26	.01	30	.01
408 MYELO DISRDR,CC	163	.05	150	.05
409 RADIOTHERAPY	251	.07	377	.12
410 CHEMOTHERAPY	3157	.92	3303	1.01
411 HIST MALG ENDSCP	43	.01	36	.01
412 HIST MALG, ENDSCP	112	.03	168	. 05
413 OTH MYELO DIS,AC	118	.03	115	. 04
414 OTH MYELO DIS AC	.69	.02	74	. 02
415 OR PR, INFEPAR DS	116	.03	107	.03
416 SEPTICEMIA,A>1/	201	.00	122	.04
41/ SEPTICEMIA, ACIB	11/	.03	134	.12
410 FOTOPAPOTTE INFO	407	.14	4UG 71	.02
419 FEVER UNKNWN,A C	94	.03	105	.02
420 FEVER UNAN,AC/U	426	17	430	.13
421 TIRRU ILUNG,R/1/	1651	.48	1660	.51
423 OTH INPEPAR DIS	367	11	366	.11
359 TUBAL INTERP*MLG 360 VGNA, CRVX&VLV PR 361 LAPSCPY&ENDSC, FE 362 LAPRSCPC TBL INT 363 DAC, CON, R-I, MALG 364 D&C, CON, R-I, MALG 365 OTH FEM RPRO PR 366 FEM RPRO MLG, A C 367 FEM RPRO MLG'A C 368 FEM RPRO MLG'A C 368 FEM RPRO MLG'A C 369 MNSTRL&OTH F RPR 392 SPLENECTOMY, A<18 394 OTH OR PR, BLOOD 395 RED BLD CL, A<18 397 COAGULATION DSRD 398 RTCLEND&IMMN, A C 399 RTCLEND&IMMN, A C 399 RTCLEND&IMMN, A C 400 LYMPH LEUK, MJ PR 401 LYMPH LEUK, MA, AC 402 LYMPH LEUK, A<70 405 LYMPH LEUK, A<70 405 LYMPH LEUK, A<18 406 MYELO DIS, OR, CC 407 MYELO DIS, OR, CC 407 MYELO DIS, OR, CC 408 MYELO DIS, OR, CC 409 RADIOTHERAPY 411 HIST MALG, ENDSCP 412 HIST MALG, ENDSCP 413 OTH MYELO DIS, AC 414 OTH MYELO DIS, AC 415 OR PR, INF&PRR DS 416 SEPTICEMIA, A<18 418 PSTOP&PSTTR INFC 419 FEVER UNKNWN, A C 420 FEVER UNKNWN, A C 421 VIRAL ILLNS, A>17 422 VRL ILL, FVR, A<18 423 OTH INF&PAR DIS 424 OR PR, DX1-MENTAL 425 PSYCHOSOC DYSPNC	18	. 01	18 176 1515 330 395 151 351 218 70 145 759 965 566 30 150 377 3303 36 168 115 74 107 222 132 408 71 105 429 1669 366 25 352	.01
425 PSYCHOSOC DYSPNC	394	. 12	352	,11
	<b>.</b>		222	

DI	RG	1987		1988	
		No.	♦ of	No.	% of
		Patients	Total	Patients	Total
	DEPRSV NEUROSES	599	.18	582	.18
	NEUROSES DEPRSV	53	.02	40	.01
	PERS DISLIMP CON	148	.04	168	.05
	ORG DISTRBEM RET	344	.10	328	.10
	PSYCHOSES	528	.15	531	.16
	CHILDHD MNTL DIS	164	.05	199	.06
	OTH DX=MNTL DSRD	52	. 02	53	.02
	SUBST-INDCD MNTL	74	.02	66	.02
	DRUG DEPENDENCE	362	.11	281	. 09
	DRUG USE DEPNDNC	425	.12	394	.12
	SKIN GRAFTS, INJR	17		3	
	WOUND DEBRD, INJR	307	. 09	304	. 09
	HAND PROC, INJURY	64	. 02	66	.02
	OTH OR PR, INJ, AC	55	.02	_65	. 02
	OTH OR PR, INJ AC	283	.08	304	.09
444	MLTPL TRAUMA,A C MLTPL TRMA,A<70 MLTPL TRMA,A<18	285	.08	235	. 07
445	MLTPL TRMA,A<70	1351	. 40	1113	. 34
		834	. 24	678	. 21
	ALLRGC REAC, A>17	42	. 01	33	.01
	ALLRGC READ, A<18	25	.01	44	.01
	TOX EFF, DRGS, A C	425	.12	382	.12
	TOX EFF, DRG, A<70	2220	. 65	2046	.63
	TOX EFF, DRG, A<18	1847	. 54	1607	. 49
	TRTMT CMPL,A CC	98	. 03	98	.03
	TRTMT CMPL~A)CC	320	. 09	359	.11
	OTH INJ, TXC, A C	86	.03	. 55	.02
	OTH INJ, TXC"A C	127	.04	176	.05
	BURNS, TRANSFERD	99	.03	90 2	.03
	EXTENSIVE BURNS	. 7			
	NON-EXT BRN, GRFT	12	۸5	11	0.5
	NON-EXT BRN, DBRD	172	.05	149	. 05
	NON-EXT BRN OR P	661 538	.19	521 695	.16 .21
	OR PR,DX=OTH CTC	100	.16 .03	117	.04
	REHABILITATION	61	.02	67	.02
	SIGNS&SYMPTMS,CC SIGNS&SYMPTMS~CC	627	.18	570	.17
	AFTRCR, DX2=MALIG	51	.01	45	.01
	AFTRCR, DX2=MALIG	645	.19	927	. 28
	OTH HLTH FACTORS	7705	2.25	7269	2.22
	UNRELATED OR PRO	3593	1.05	7269 3486	1.07
	UNGROUPABLE	372	.11	420	.13
470	OHOROUTABLE	314		720	

# Appendix 4

Appendix 4: DRGs Ranked in Order of Descending Frequency, 1984 - 1988

1984

Order	DRG	Frequency	Percent	Cumulative Percent	Mean Length of Stay
001	391 NORMAL NEWBORNS	56943	11.3490	11.3490	4.9080
002	373 VAG DEL~COMPL DX	54905	10.9429	22.2919	5.8060
003	183 MSC DIG DIS,A<70	15216	3.0326	25.3245	4.1808
004	184 MSC DIG DIS,A<18	8884	1.7706	27.0951	3.9704
005	167 APPNDC CMP DX AC	7413	1.4774	28.5726	6.3418
006	467 OTH HLTH FACTORS	7254	1.4458	30.0184	3.9530
007	030 TR ST,CMA<1,A<18	6342	1.2640	31.2823	2.3811
008	270 OTH SKN PRTA CC	6203	1.2363	32.5186	2.3955
009	243 MED BACK PROBS	6074	1.2106	33.7292	9.0878
010	088 CHRN PULM OBSTR	6000	1.1958	34.9251	12.9032
011	060 TNSECT, ADCT A<18	5985	1.1928	36.1179	4.0576
012	364 D&C, CONZTN MALIG	5797	1.1554	37.2733	2.5570
013	029 TR ST,CMA<1,A<70	5392	1.0747	38.3479	2.6790
014	070 OM&URI, A<18	5296	1.0555	39.4034	3.8809
015	098 BRNCH&ASTH A<17	4861	0.9688	40.3723	5.0183
016	182 MSC DGSTV DIS.AC	4737	0.9441	41.3164	8.0745
017	371 CESAREAN, ~CC	4175	0.8321	42.1485	11.7832
018	468 UNRELATED OR TRO	4079	0.8130	42.9614	13.9755
019	143 CHEST PAIN	4001	0.7974	43.7589	5.3572
020	014 SPEC CRBRVSC DIS	3955	0.7883	44.5471	22.3775
021	284 MNR SKIN DISTAIC	3795	0.7564	45.3035	4.5223
022	122 CRC DIS, AMI&CV	3595	0.7165	46.0200	13.0673
023	127 HRT FLR&SHOCK	3581	0.7137	46.7337	13.9042
024	294 DIABETES AGE>35	3341	0.6659	47.3996	9.4274
025	254 OTH FX,SPR A<70	2944	0.5868	47.9863	5.3533
026	089 SMPL PNEUEPL A C	2903	0.5786	48.5649	37.7523
027	119 VEIN LGTN&STRPNG	2824	0.5628	49.1277	4.9079
028	026 SZR&HD A<17,~CC	2798	0.5577	49.6854	4.4921
029	247 SGNS&SYMP, MSCLSK	2785	0.5551	50.2405	5.6370
030	025 SZR&HD A18-69°CC	2724	0.5429	50.7834	5.8146
031	039 LENS PROCS	2672	0.5325	51.3159	8.9854
032	140 ANGINA PECTORIS	2617	0.5216	51.8375	7.5300
033	410 CHEMOTHERAPY	2567	0.5116	52.3491	3.3849
034	047 OTH EYE DS,A>17"	2510	0.5003	52.8494	5.9928
035	134 HYPERTENSION	2469	0.4921	53.3415	8.3362
036	252 FX, SPRN, DIS A<18	2458	0.4899	53.8313	1.7421
037	178 UNCMP PTC LCR AC	2378	0.4739	54.3053	3.9773
038 039	198 TOT CHLST~CDE~AC	2366	0.4716	54.7768	12.7916
	450 TOX EFF, DRG, A<70	2361	0.4706	55.2474	2.9966
040 041	262 BRST BIOPAEXC"ML	2335	0.4654	55.7128	2.8582
041	082 RESP NEOPLASMS	2263	0.4510	56.1638	13.4339
042	422 VRL ILL, FVR, A<18 097 BRNCH&ASTH A<70	2229	0.4443	56.6081	4.3284
043		2221	0.4427	57.0507	7.3215
045	355 NON-RAD HYST~A C 340 TSTS PR~MLG,A<18	2211 2096	0.4407	57.4914	12.6875
045	451 TOX EFF, DRG, A<18	2096	0.4177	57.9091	4.2915
047	189 OTH DGST DX,A<70	2090	0.4165	58.3257	1.8976
048	055 MISC EAR, NS, THRT	2077	0.4159 0.4132	58.7416 59.1548	3.7714
049	395 RED BLD CL,A>17	2073	0.4132	59.1548	3.9923
050	162 ING&FML HRN,A<70	2032	0.4090		10.8436
051	234 OTH MSCL&CONN AC	2039	0.4064	59.9719 60.3783	7.6719
001	-1. OIII IIBCDBCONN AC	4033	0.4004	00.3/03	7.8210

1984

Order	DRG	Frequency	Percent	Cumulative	Mean Length
				Percent	of Stay
	221 1.72	2022	0.4053	60.7835	3.2253
052	281 SKN TRMA,A<70	2033	0.4052		
053	209 MJR JOINT PROCS	2009	0.4004	61.1839	24.2937
054	133 ATHRSCLROSIS A C	1986	0.3958	61.5797	6.0403
055	231 RMVL HIP& FEM DEV	1972	0.3930	61.9728	5.4260
056	041 XTROC PR A<18	1955	0.3896	62.3624	2.7683
057	369 MNSTRLLOTH F RPR	1929	0.3844	62.7469	4.0005
058	073 OTH E,N,T A>17	1910	0.3806	63.1275	3.6010
059	187 DNTL EXTRERESTOR	1897	0.3780	63.5056	2.0606
060	249 AFTERCARE, MSCLSK	1896	0.3778	63.8835	2.4868
061	091 SMPL PNEU&P A<18	1865	0.3717	64.2552	9.3094
062	321 KID&UR INF,A<70	1805	0.3597	64.6150	4.8643
063	256 OTH DX,MSCL&CONN	1779	0.3545	64.9695	6.4300
064	251 FX,SPRN,DIS A<70	1762	0.3511	65.3207	2.6470
065	445 MLTPL TRMA,A<70	1725	0.3438	65.6645	3.9606
066	324 URNRY STONES A C	1693	0.3374	66.0019	4.5428
067	326 KIDEUR SES,A<70	1693	0.3374	66.3393	4.1057
068	062 MYRINGOTOMY A<18	1653	0.3294	66.6688	1.6558
069	322 KIDGUR INF, A<18	1650	0.3288	66.9976	4.9345
070	255 OTH FX, SPR A<18	1624	0.3236	67.3213	4.0480
071	102 OTHR RSP DX A<70	1546	0.3081	67.6294	9.9754
072	158 ANAL PROCS TAICC	1529	0.3047	67.9342	6.4559
073	074 OTH E,N,T A<18	1519	0.3027	68.2369	2,6754
074	282 SKN TRMA,A<18	1490	0.2969	68.5339	2.5403
075	069 OM&URI,A18-69°C	1459	0.2907	68.8247	4.0946
076	101 OTHR RSP DX A CC	1426	0.2842	69.1089	17.1213
077	385 NEONTS, DIED   XFRD	1426	0.2842	69.3931	0.9130
078	210 HIP&FEMUR PR.A C	1403	0.2796	69.6727	26.0128
079	175 GI HMRRHG"A CC	1401	0.2792	69.9519	4.9764
080	343 CIRCUMCSION, A<18	1386	0.2762	70.2282	2.0339
081	028 TR ST, CMA<1, A&  C	1375	0.2740	70.5022	6.8785
082	229 HAND PR GANGLION	1351	0.2692	70.7715	4.5374
083	130 PRPHL VSC DIS,AC	1339	0.2668	71.0384	19.2696
084	131 PRPHL VSC DISTAC	1319	0.2628	71.3012	10.5686
085	139 ARRHYTH&CNDC~A C	1319	0.2628	71.5641	5.9606
086	040 XTROC PR A>=18	1318	0.2626	71.8268	3.9325
087	278 CELLULITIS,A<70	1314	0.2618	72.0887	6.3265
088	236 FRAC OF HIP&PLVS	1307	0.2604	72.3492	14.2510
089	360 VGNA, CRVX&VLV PR	1295	0.2581	72.6073	6.6440
090	404 LYMPH LEUK,A<70	1291	0.2573	72.8646	11.6917
091	138 ARRHYTH&CNDC, A C	1271	0.2533	73.1179	10.3501
092	090 SMPL PNEUEP A<70	1265	0.2523	73.3702	22.6846
093	063 OTH E,N,T OR PR	1258	0.2507	73.6210	3.4499
094	012 DEGENR NRVS DIS	1250	0.2491	73.8701	20.9688
095	145 OTH CIRD DX, CC	1246	0.2483	74.1184	7.9181
096	015 TRANS ISCHEM ATT	1240	0.2471	74.3656	9.3266
090	059 TNSECT, ADCT A>17	1221	0.2433	74.6089	5.5471
098	208 BLRY TR DIS AICC	1190	0.2371	74.8461	6.4824
099	190 OTH DGST DX.A<18	1187	0.2365	75.0827	3.5670
100	066 EPISTAXIS	1173	0.2337	75.3164	4.1006
101	163 HERNIA PROC,A<18	1168	0.2327	75.5492	3.2920
101	235 FRACTR OF FEMUR	1160	0.2311	75.7804	21.0043
102	TOO ENHOLD OF TOHOR	1100	V. 2.711	, , , , , , , , ,	*****

Order	DRG	Frequency	Percent	Cumulative Percent	Mean Length of Stay
103	132 ATHRSCLROSIS, A C	1137	0.2266	76.0070	11.1900
104	298 MISC MET DS,A<18	1129	0.2250	76.2321	9.9575
105	142 SYNCP&CLLPS, A C	1122	0.2236	76.4557	4.4483
106	358 UTRS&ADNEXA MLG	1122	0.2236	76.6793	7.2469
107	446 MLTPL TRMA,A<18	1115	0.2222	76.9015	2.9471
108	390 NEON, OTH SIG PRB	1106	0.2204	77.1220	5.0398
109	336 TRNSUR PRSTCT, AC	1099	0.2190	77.3410	15.0073
110	123 CRC DIS, AMI, XPRD	1087	0.2166	77.5576	13.0589
111	058 T&A ~TNS,AD A<18	1064	0.2120	77.7697	3.5244
112	172 DGSTV MALIG,A CC	1063	0.2118	77.9816	16.2380
113	470 UNGROUPABLE	1025	0.2044	78.1860	11.1854
114	225 FOOT PROCS	1015	0.2022	78.3883	11.0236
115	227 SOFT TISS PRTAIC	1014	0.2020	78.5904	6.5483
116	241 CONN TISS DIS AC	1012	0.2016	78.7921	11.4723
117	325 KID&UR SG&SY,A C	1009	0.2010	78.9932	8.3310
118	128 DP VN THRMBPHLEB	998	0.1989	79.1921	13.3096
119	266 SKN GRFT"ULCR"CC	995	0.1983	79.3904	8.8653
120	426 DEPRSV NEUROSES	968	0.1929	79.5834	13.1095
121	100 RSP SGN&SY A<70	958	0.1909	79.7743	5.4697
122	332 OTH KID&UR,A<70	948	0.1889	79.9632	5.3333
123	295 DIABETES AGE<36	946	0.1885	80.1518	7.6934
124	215 BACK&NECK PR"A C	926	0.1845	80.3363	17.8715
125	361 LAPSCPY&ENDSC, FE	921	0.1835	80.5199	2.9349
126	316 RENAL FLR DLYSIS	913	0.1819	80.7019	14.7317
127	320 KIDEUR INF,A CC	906	0.1805	80.8824	11.4249
128	179 INFLM BOWEL DIS	897	0.1787	81.0612	10.3099
129	301 ENDCRN DIS~A CC	891	0.1775	81.2388	8.4332
130	460 NON-EXT BRN OR P	855	0.1704	81.4092	9.9450
131	464 SIGNS&SYMPTMS~CC	855	0.1704	81.5796	7.6339
132	297 MISC MET DS,A<70	851	0.1696	81.7492	8.8731
133	372 VAG DEL, COMPL DX	848	0.1690	81.9182	9.3939
134	174 GI HMRRHG,A CC	846	0.1686	82.0868	9.1454
135	403 LYMPH LEUK,A CC	836	0.1666	82.2535	13.7333
136	035 OTH NRVS DIS, ~AC	818	0.1630	82.4165	8.5477
137	153 MNR BOWEL PR"A C	818	0.1630	82.5795	6.5428
138	155 STM,ESO,DD A<70	810	0.1614	82.7410	14.8840
139	048 OTH EYE DIS,A<18	804	0.1602	82.9012	3.7027
140	186 DNTL DIS"XT,A<18	803	0.1600	83.0612	3.0872
141	222 KNEE PROCS"A CC	797	0.1588	83.2201	6.4404
142	253 OTH FX, SPR A CC	790	0.1574	83.3775	10.4911
143	337 TRNSUR PRSTCT AC	789	0.1572	83.5348	11.3333
144	279 CELLULITIS,A<18	777	0.1548	83.6897	4.3359
145	173 DGSTV MALIG~A CC	776	0.1546	83.8443	13.0838
146	283 MNR SKIN DIS,A C	774	0.1542	83.9986	8.7455
147	185 DNTL DIS~XT,A>17	766	0.1526	84.1512	5.8851
148	096 BRNCHEASTH A CC	763	0.1520	84.3033	10.9908
149	305 KID, UR PR"MLG"AC	762	0.1518	84.4552	12.9055
150	121 CRC DIS, AMI&E, CC	745	0.1484	84.6037	16.1611
151	021 VIRAL MENINGITIS	741	0.1476	84.7514	6.2753
152	136 CRDC CNG&VV,A<70	740	0.1474	84.8988	7.0635
153	388 PREMTRTY MJR PRB	723	0.1440	85.0429	3.6058

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Order	DRG	Frequency	Percent	Cumulative Percent	Mean Length of Stay
154	188 OTH DGSTV DX,A C	698	0.1391	85.1821	8.0645
155	34E DOME DICOLOGIALO	600	0 1 201		8.0072
156	269 CEN CHROTERD DIC	698 698	0.1391	85.4603	
157	200 SKN, SOBETABLE FES	600	0.1391	05.4003	E 0043
158	310 ton vent on 1470	030	0.1391	05.3334	5.9842
	219 LWR XTRM PR,AC/U	695	0.1385		16.1698
159	135 OTH ML REPRO DX	692	0.1379	85.8758	3.4234
160	268 SKN, SUBCT&BR PLS 397 COAGULATION DSRD 219 LWR XTRM PR,A<70 352 OTH ML REPRO DX 425 PSYCHOSOC DYSFNC 020 NRV INF "VRL MNG 169 MOUTH PROCS"A CC 430 PSYCHOSES	690	0.1375	86.0134	8.0768
161	020 NRV INF VRL MNG	688	0.1371 0.1371	86.1505 86.2876	12.5218
162	169 MOUTH PROCS A CC	688	0.13/1	86.2876	4.4375
163	430 PSYCHOSES	686	0.1367	86.4243	16.0918
164	161 ING&FML HRN,AICC	678	0.1351	86.5595	11.0737
165	206 OTH LIVER DIS AC	677	0.1349	86.6944	10.1167
166	339 TSTS PR~MLG,A>17	677	0.1349	86.8293	5.8168
167	435 DRUG USE DEPNDNC	673	0.1341	86.9634	8.4205
168	177 UNCMP PTC LCR, AC	672	0.1339	87.0974	9.4613
169	239 PATH FREMSCL MLG	667	0.1341 0.1339 0.1329	86.5595 86.6944 86.8293 86.9634 87.0974 87.2303	11.8711
170	071 LARYNGOTRCHEITS	647	0.1289	87.3593	3.4467
171	356 FEM RPR RCNST PR	643	0.1289 0.1281	87.4874	10.2348
172	065 DYSEQUILIBRIUM	637	0.1269 0.1211 0.1195	87.6144	6.5243
173	359 TUBAL INTRRP~MLG	608	0.1211	87.7356	3.1941
174	141 SYNCP&CLLPS,A CC	600	0.1195	87.8551	7.9850
175	013 MP SCLER&CRBL AT	597	0.1189	87.9741	16.7471
176	389 FULL TRM NN, PRBS	593	0.1181	88.0923	4.5481
177	148 MJR BOWEL PR,A C	591	0.1189 0.1181 0.1177	87.2303 87.3593 87.3593 87.46144 87.7356 87.8551 87.9741 88.0923 88.2101 88.3277 88.4451 88.5619	30.4907
178	207 BLRY TR DIS,A CC	590	0.1175	88.3277	11.0898
179	024 SZR&HDACH A& CC	589	0.1173	88.4451	9.3735
180	350 MALE REPRO INFLM	586	0.1167	88.5619	4.6672
181	211 HIP&FMUR PR,A<70	581	0.1157 0.1155 0.1146	88.6777 88.7933	25.1824
182	269 OTH SKN PR AICC	580	0.1155	88.7933	8.8000
183	149 MJR BOWEL PRAIC	575	0.1146	88.9079	22.2957
184	250 FX,SPR ARM&FT,AC	571	0.1138 0.1110	89.0217 89.1327	5.2417
185	248 TNDNTS, MYSTS, BRS	557	0.1110	89.1327	6.4937
186	244 BONE DISEASE, A C	554	0.1104	89.2431	14.8736
187	271 SKIN ULCERS	539	0.1074	89.3505	20.8887
188	296 MISC MET DIS,A C	537	0.1074 0.1070	89.4576	11.8752
189	333 OTH KIDEUR, A<18	533	0.1062	89.5638	5.8612
190	421 VIRAL ILLNS.A>17	528	0.1052	89.6690	6,6098
191	273 MJR SKN DIS AICC	523	0.1042	89.7733	10.8432
192	461 OR PR.DX-OTH CTC	522	0.1040	89 8773	4.8448
193	290 THYROID PROCS	519	0.1040 0.1034	89.8773 89.9807 90.0836	9.3218
194	311 TRNSURETH PRTAIC	516	0.1028	00 0034	4.7946
195	280 SKN.SUBCT TR.AC	515	0.1026	90.1862	5.8583
196	169 MOUTH PROCS A CC 430 PSYCHOSES 161 ING&FML HRN,A CC 206 OTH LIVER DIS AC 339 TSTS PR MLG,A>17 435 DRUG USE DEPNDNC 177 UNCMP PTC LCR,AC 239 PATH FR&MSCL MLG 071 LARYNGOTRCHEITS 356 FEM RPR RCNST PR 065 DYSEQUILIBRIUM 359 TUBAL INTRRP MLG 141 SYNCP&CLLPS,A CC 013 MP SCLER&CRBL AT 389 FULL TRM NN,PRBS 148 MJR BOWEL PR,A CC 024 SZR&HDACH A& CC 350 MALE REPRO INFLM 211 HIP&FMUR PR,A<70 269 OTH SKN PR A CC 149 MJR BOWEL PR A C 250 FX,SPR ARM&FT,AC 248 TNDNTS,MYSTS,BRS 244 BONE DISEASE,A C 271 SKIN ULCERS 296 MISC MET DIS,A C 271 SKIN ULCERS 296 MISC MET DIS,A C 333 OTH KID&UR,A<18 421 VIRAL ILLNS,A>17 273 MJR SKN DIS A CC 461 OR PR,DX=OTH CTC 290 THYROID PROCS 311 TRNSURETH PR A C 260 SKN,SUBCT TR,AC 429 ORG DISTRB&M RET 087 PLM EDEMA&RSP FL 274 MLG BRST DIS,A C 064 ER,NS,THRT MALIG	515	0.1026		21.5010
197	087 PLM EDEMAGRSP FL	514	0.1024	90.3913	15.3132
198	274 MLG BRST DIS.AIC	514	0.1024	90.4937	13.5272
199	064 ER.NS.THRT MALIG	513	0.1024 0.1022 0.1002 0.0996 0.0986	90.5960	17.1715
200	367 FEM RPRO MLG ALC	503	0 1002	90.6962	12.2068
201	203 HPTOBLIPNC MALIC	500	0 0996	90 7950	14.9860
202	453 TRTMT CMPLTAICC	495	0.0330	90.7333	4.7980
203	019 CRNLAPRPH "A CC	494	0.0984	90.9930	9.3644
204	274 MLG BRST DIS.A C 064 ER,NS,THRT MALIG 367 FEM RPRO MLG"A C 203 HPTOBL PNC MALIG 453 TRTMT CMPL"A CC 019 CRNL4PRPH "A,CC 466 AFTRCR,DX2=MALIG	489	0.0974	91.0905	4.6012
-				2210203	7.0012

Order	DRG	Frequency	Percent	Cumulative Percent	Mean Length of Stay
205	449 TOX EFF, DRGS, A C	488	0.0972	91.1877	5.4795
206	224 UPR XTRM PR A CC	485	0.0966	91.2844	7.5814
		484	0.0964	91.3808	6.8326
207	405 LYMPH LEUK,A<18		0.0962	91.4771	17.0973
208	078 PULMNRY EMBOLISM	483 478			21.0586
209	197 TOT CHLST CDE, AC		0.0952	91.5724	
210	327 KIDGUR S&S,A<18	474	0.0944	91.6668	5.1962
211	348 BNGN PRST HYP, AC	400	0.0926	91.7595	9.1591
212	418 PSTOP&PSTTR INFC	465 463	0.0922	91.8518	8.4471
213	434 DRUG DEPENDENCE	454	0.0900	91.9419	3.2367
214	300 ENDCRN DIS,A CC	450 449	0.0896	92.0316	14.5867
215	399 RTCLEND&IMMN A C	449	0.0894	92.1211	4.6748
216	056 RHINOPLASTY	447	0.0890	92.2102	5.1991
217	300 ENDCRN DIS,A CC 399 RTCLEND&IMMN~A C 056 RHINOPLASTY 107 CRNRY BYPS, CCTH	443	0.0882	92.2984	9.5508
218	135 CRDC CNG&VLV,A C	442	0.0880	92.3865	11.6267
219	342 CIRCUMCSION, A>17	438	0.0872	92.4738	3.5959
220	154 STM, ESO, DD PR, AC	438 437	0.0870	92.5609	23.9016
221	171 OTH DGSTV PR~A C	435	0.0866	92.6476	6.6092
222	072 NSL TR & DEFORM	434	0.0864	92.7341	2.2166
223	107 CRNRY BYPS, CCTH 135 CRDC CNG&VLV,A C 342 CIRCUMCSION,A>17 154 STM,ESO,DD PR,AC 171 OTH DGSTV PR^A C 072 NSL TR & DEFORM 240 CONN TISS DIS,AC 042 INTROC PR, R,I,L 137 CRDC CNG&VV,A<18 144 OTH CIRC DX,CC	432	0.0860	92.8202	17.7431
224	042 INTROC PR, R, I, L	428	0.0853	92.9055	10.3808
225	137 CRDC CNG&VV,A<18	426	0.0849	92.9904	6.9014
226			0.0829	93.0733	13.6803
227	267 PRANLEPILONDL PR	413	0.0823	93.1557	8.5472
228	238 OSTEOMYELITIS	411	0.0866 0.0864 0.0860 0.0853 0.0849 0.0829 0.0829 0.0819 0.0811	93.2376	11.7445
229	443 OTH OR PR, INJ AC	407	0.0811	93.3187	10.0713
230	095 PNEUMOTHRX "A,CC	406	0.0809	93.3996	7.7266
231	443 OTH OR PR,INJ AC 095 PNEUMOTHRX A,CC 258 TOT MAST MLG A C	404	0.0809 0.0805 0.0799	93.4801	14.0916
232	331 OTH KID&UR DX,AC	401	0.0799 0.0777 0.0767 0.0763 0.0759 0.0753 0.0745 0.0729 0.0727 0.0727	93.5600	9.4190
233	331 OTH KIDGUR DX,AC 346 ML RPRO MLG,A CC 129 CARDIAC ARREST 310 TRNSURETH PR,A C 329 URTHRL STRC,A<70 276 MALIG BRST DIS 230 RMVL,HIPGFEM DEV 043 HYPHEMA	390	0.0777	93.6378 93.7145	12.9154
234	129 CARDIAC ARREST	385	0.0767	93.7145	19.0260
235	310 TRNSURETH PR,A C	383	0.0763	93.7908	8.1723
236	329 URTHRL STRC,A<70	381	0.0759	93.8668	3.3202
237	276 ~MALIG BRST DIS	378	0.0753	93.9421	3.6931
238	230 RMVL, HIP&FEM DEV	374	0.0745	94.0167	12.3075
239			0.0733	94.0900	5.8777
240	204 PANC DIS "MALIG	366	0.0729	94.1629	10.6148
241	318 KID&UR NEOP,A CC	365	0.0727	94.2357	12.5945
242	444 MLTPL TRAUMA,A C	364	0.0725	94.3082	7.7775
243	318 KID&UR NEOP,A CC 444 MLTPL TRAUMA,A C 099 RESP SGN&SY A CC	362	0.0721	94.3804	9.4945
244	116 PCMKR. AMIICHE	301			11.6510
245	053 SNS&MAST PR A>17 001 CRNIOT A>=18 TR	360	0.0717	94.5241	6.1306
246			0.0715	94.5956	26.1978
247	075 MJR CHEST PROCS	349	0.0695	94.6652	24.5244
248	165 APPNDC, CMP DX AC	347	0.0691	94.7344	9.2709
249	165 APPNDC, CMP DX AC 277 CELLULITIS,A CC 328 URTHRL STRCT,A C 036 RETINAL PROCS 011 NRVS NEOPL A,CC	347	0.0691	94.8035	11.3746
250	328 URTHRL STRCT,A C	333	0.0663 0.0653 0.0651	94.8699	5.0480
251	036 RETINAL PROCS	328	0.0653	94.9353	9.8415
252	011 NRVS NEOPL ~A,CC	327	0.0651	95.0004	16.3670
253	ooo onaonii, najee	263	0.0643	95.0648	11.5944
254	093 INTRST LUNG ~A,C 335 MJR PELVIC PR~CC	316	0.0643 0.0629 0.0629	95.1278	8.1772
255	335 MJR PELVIC PR°CC	316	0.0629	95.1908	19.8703

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Order	319 KID&UR NEOP~A CC 181 GI OBSTRCTN~A CC 351 STERILIZATION, ML 275 MLG BRST DIS~A C 323 URNRY STONES, A C 326 RED BLD CL, A<18 440 WOUND DEBRD, INJR 368 FEM RPRO INFCTNS 462 REHABILITATION 160 HRN~ING&FEM, A<70 034 OTH NRV DIS, A& C 202 CIRRH&ALC HPTTIS 120 OTHER CRC OR PR 008 OTH NRV PR ~A, CC 423 OTH INF&PAR DIS 120 OTHER CRC OR PR 008 OTH NRV PR ~A, CC 423 OTH INF&PAR DIS 120 OTHER CRC OR PR 120 OTHER CRC OR PR 121 OTHER CRC OR PR 122 OTHER CRC OR PR 123 OTH INF&PAR DIS 124 OTH INF&PAR DIS 125 OTH INF&PAR DIS 126 FEM RPRO MLG, A C 127 BNGN PRST HYP~AC 128 BNGN PRST HYP~AC 129 CRDTHR PR, PUMP 130 GI OBSTRCTN, A CC 131 OF CRDC VLV W/P~CCT 135 OTH FEM RPRO PR 121 HIP&FMUR PR, A<18 121 MJR RCNST VSC~AC 136 APPNDC~CMP DX, AC 137 ANAL PROCS A CC 138 AMP CRC~UP LIMB 140 RADIOTHERAPY 157 ANAL PROCS A CC 157 SKIN GRAFT~HAND 158 STM, ESO, DD A<18 159 NON-EXT BRN, DBRD 179 RSP INF&INFL A C 170 MJR RCSTR VSC, AC 170 NONSP RSP INF&INFL A C 171 MJR RCSTR VSC, AC 172 NON-EXT BRN, DBRD 173 RSP INF&INFL A C 174 NON-EXT BRN, DBRD 175 RSP INF&INFL A C 175 OTH LIVER DIS, AC 176 CRL PRPH A& CC 177 OTH OR PR, BLOOD 177 RSP INF&INFL A C 177 RSP	Prequency	Percent	Cumulative Percent	Mean Length of Stay
256	319 KIDAUR NEOPTALCO	313	0.0623	95.2531	8.7125
257	181 GI OBSTROTN ALCO	313	0.0621	95.3153	7.5801
258	351 STERILIZATION MI.	309	0.0615		1.0259
259	275 MIG REST DISTALC	304	0.0605		14.2105
260	323 HENRY STONES ALC	303	0.0003	95.4373	7.4901
261	306 PED BID CL AVIA	302	0.0601 0.0601	95.4977 95.5579 95.6179	7.1623
262	AAA WAIND DEED INTO	301	0.0599	05 6170	7.1023
263	368 FEW DDDO INFORMS	208	0.0333	05 6777	5.6141
264	462 DEVABILITATION	290	0.0593 0.0593 0.0575	95.6773 95.7367 95.7943	16.4362
265	160 HDN*TNGEFEM AZ70	290	0.0333	95.7507	9.1315
266	034 OTH NRV DIS ALLC	203	0.0573	95.7945	14.3066
267	202 CIRRHEALC HETTIS	287	0.0372	05 0097	13.6202
268	120 OTHER CRC OR PR	286	0.0572	95.9007	12.7273
269	ONE OTHER CAC OR FA	284	0.0370	95.3037	9.0070
270	423 OTH INFERS DIS	279	0.0300	96.0223	10.0719
271	006 CAPPL TUNNEL BIS	273	0.0534	96.0777	4.5201
272	366 PEM DDDO MIC ALC	273	0.0344	90.1321	17.5110
273	349 RNCH PROT HVP"AC	268	0.0342	95.7943 95.8515 95.9087 95.9657 96.0223 96.0777 96.1321 96.1863 96.2397	4.8619
274	ORO PSP INFLINE AZZO	261	0.0534	96.2917 96.3424 96.3930	14.1456
275	045 NEIP EVE DISPOS	254	0.0520	06 3424	7.1614
276	180 CT ORSTROWN ALCO	254	0.0306	06 3030	11.4094
277	370 CECAPEAN CC	244	0.0300	06 4416	14.8566
278	100 COSARDAN, CC	243	0.0400	96.4410	21.0494
279	341 PENTS PROCS	238	0.0404	96.4416 96.4900 96.5375	8.6429
280	246 ADTHDODATHIES NO	236	0.0575 0.0572 0.0572 0.0570 0.0566 0.0554 0.0542 0.0534 0.0520 0.0506 0.0506 0.0484 0.0474 0.0474 0.0464	96.5375 96.5845 96.6309 96.6774 96.7232 96.7689 96.8143 96.8595 96.9044 96.9490 96.9923 97.0355	10.6737
281	111 MID DONGT USC AC	233	0.0470	06 6200	19.6266
282	176 CMDI DEPTIC III CD	233	0.0464	96.6309	10.0043
283	017 NONSP CRC DIS~CC	230	0.0454	96.0774	15.8304
284	105 CRDC VIV W/P~CCT	220	0.0456	96.7232	13.5328
285	365 OTH FEM DEPO DE	229	0.0454	96.7009	11.5263
286	212 HIPEFMIR PR AZIA	227	0.0454	96 9505	25.6784
287	112 MIR PONST VSC~AC	225	0.0432	96.0393	17.6800
288	166 APPNOCTOMP DY AC	224	0.0446	96 9490	12.3750
289	113 AMP CRC"HP LIMB	217	0.0440	96 9923	47.7604
290	409 RADIOTHERAPY	217	0.0432	97 0355	12.2258
291	157 ANAL PROCS ALCC	216	0.0454 0.0456 0.0456 0.0452 0.0448 0.0446 0.0432 0.0432 0.0430 0.0428	97 0786	11.7685
292	217 SKIN GRAFT HAND	215	0.0438	97.0786 97.1214 97.1637 97.2057 97.2472	12.5860
293	455 OTH INJ. TXC AIC	212	0.0422	97 1637	3.0000
294	233 OTH MSCLACONN AC	211	0.0422	97.1037	21.0616
295	054 SNSAMAST PR ACLE	208	0.0414	97 2472	5.0865
296	156 STM.ESO.DD Ac18	207	0.0420 0.0414 0.0412		
297	313 URETHRAL PR.AC70	207	0.0412	97 3297	5.3720
298	110 MJR RCSTR VSC.AC	205	0.0408	97 3706	27.4488
299	459 NON-EXT BRN DBRD	204	0.0412 0.0408 0.0406 0.0404 0.0404 0.0400 0.0392 0.0390	97.2005 97.3297 97.3706 97.4112 97.4921 97.5322 97.5715 97.6496	32.0392
300	079 RSP INFLINEL ALC	203	0.0404	97.4517	20.7241
301	205 OTH LIVER DIS AC	203	0.0404	97.4921	15.3054
302	394 OTH OR PR.BLOOD	201	0.0400	97.5322	5.2090
303	038 PRIM IRIS PROCS	197	0.0392	97.5715	9.3198
304	018 CRNLAPRPH ALICC	196	0.0390	97.6105	12.7908
305	061 MYRINGOTOMY A>17	196	0.0390	97.6496	2.5561
306	242 SEPTIC ARTHRITIS	195	0.0388	97.6885	12.7026

Order	DRG	Frequency	Percent	Cumulative Percent	Mean Length of Stay
307	299 INBORN MET ERROR	195	0.0388	97.7273	11.4718
		190	0.0378	97.7652	17.1368
308	354 NON-RAD HYST, A C				6.7039
309	260 SUB MAST MLG"A C	179	0.0356	97.8009	51.2022
310	416 SEPTICEMIA, A>17	178	0.0354	97.8363	
311	304 KID.UR PR~MLG,AC	177	0.0352	97.8716	18.1921
312	147 RECTAL RSCTNTA C	175	0.0348	97.9065	25.6514
313	152 MNR BOWEL PR,A C	175	0.0348	97.9414	15.5314
314	146 RECTAL RSCTN,A C	174	0.0346	97.9761	29.4253
315	272 MJR SKN DIS,A CC	173	0.0344	98.0105	16.7630
316	428 PERS DISLIMP CON	172	0.0342	98.0448	22.8023
317	052 CLFT LIP&PLT REP	171	0.0340	98.0789	11.5848
318	413 OTH MYELO DIS.AC	170	0.0338	98.1128	16.5235
319	023 NONTR STPR&COMA	169	0.0336	98.1465	5.8402
320	261 BRST PR"MLG"BIOP	168	0.0334	98.1799	6.2560
321	220 LWR XTRM PR,A<18	167	0.0332	98.2132	9.1198
322	257 TOT MAST MLG, A C	167	0.0332	98.2465	17.2156
323	363 D&C.CON.R-I.MALG	167	0.0332	98.2798	6.3234
324	044 ACUT MJR EYE INF	162	0.0322	98.3121	8.0926
325			0.0322	98.3444	26.9753
326	077 OR RSP, MJRCH, C	162 158 156 155 153	0.0314	98.3759	12.8354
327	347 ML RPRO MLG A CC	156	0.0310	98.4070	10.9936
328	003 CRNIOT A<18	155	0.0308	98.4378	23.2323
329	433 SUBST-INDCD MNTL	153	0.0304	98.4683	3.7712
330	441 HAND PROC, INJURY	153 153 152	0.0304	98.4988	4.0000
331	408 MYELO DISRDR.CC	152	0.0302	98.5291	8.3289
332	094 PNEUMOTHRX A CC	146	0.0290	98.5582	14,1370
333	086 PLRL EFFUSN A<70	145	0.0288	98.5871	10.4828
334	398 RTCLEND&IMMN,A C	144	0.0287	98.6158	9.7917
335	085 PLRL EFFUSN A4 C	143	0.0285	98.6443	16.7343
336	303 KID, UR, BL PR, MLG	143	0.0285	98.6728	21.4615
		142	0.0283	98.7011	12.3803
337	417 SEPTICEMIA,A<18	139	0.0277	98.7288	3.1583
338	411 HIST MALG ENDSCP	139	0.0277	98.7565	17.8777
339	415 OR PR, INF&PAR DS	138	0.0277	98.7840	16.0652
340	194 BLRY TR PR"CH"AC				8.0511
341	046 OTH EYE DS,A>17C	137	0.0273	98.8113	13.7153
342	402 LYMPH LEUK,MN"AC	137	0.0273	98.8386	
343	009 SPINAL DISEINJ	131	0.0261	98.8648	24.5038
344	092 INTRST LUNG A CC	129	0.0257	98.8905	14.2248
345	452 TRIMT CMPL, A CC	128	0.0255	98.9160	15.8828
346	193 BLRY TR PR CH, AC	127	0.0253	98.9413	22.3701
347	431 CHILDHD MNTL DIS	122	0.0243	98.9656	11.6639
348	002 CRNIOT TR A>=18	121	0.0241	98.9897	17.1818
349	010 NRVS NEOPL A& CC	121	0.0241	99.0138	27.3636
350	037 ORBITAL PROCS	120	0.0239		10.8083
351	312 URETHRAL PR,A CC	120	0.0239	99.0617	8.8917
352	414 OTH MYELO DISTAC	120	0.0239 0.0229	99.0856	15.5083
353	420 FEVER UNKN,A<70	115		99.1085	10.1130
354	442 OTH OR PR, INJ, AC	112	0.0223	99.1308	29.4643
355	456 BURNS, TRANSFERD	111	0.0221	99.1530	13.6577
356	004 SPINAL PROCS	110	0.0219		20.2091
357	050 SIALOADENECTOMY	105	0.0209	99.1958	7.7238

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Order	DRG	Frequency	Percent	Cumulative Percent	Mean Length of Stay
358	170 OTH DGSTV PR,A C	103	0.0205	99.2163	24.4854
359	432 OTH DX-MNTL DSRD		0.0205	99.2369	10.6214
360	151 PRTNL ADHESLS"AC		0.0199	99.2568	12.6000
361	259 SUB MAST MLG, A C		0.0197	99.2765	11,2929
362	032 CONCSN A18-69 CO		0.0197	99.2951	
363	159 HRNIA ING&FEM, AC		0.0167		13.2043
364	400 LYMPH LEUK,MJ PR			99.3118	17.0000
365	226 SOFT TISS PR.A C		0.0167 0.0165	99.3285	21.8929
366	237 SPRN, STRN, DIS HP	81		99.3451	13.7590
367	315 OTH KID&URN PROC	81	0.0161	99.3612	15.0741
368	081 RSP INFAINL A<18		0.0161	99.3774	14.6049
369			0.0157	99.3931	10.3038
370	114 UP LIMBATOE AMP	78 77	0.0155	99.4087	33.8462
370	454 OTH INJ,TXC,A C	11	0.0153	99.4240	7.9091
372	463 SIGNS&SYMPTMS,CC	_	0.0153	99.4394	10.9091
372	192 MNR PNC,LVR,SHNT	76	0.0151	99.4545	16.5526
373 374	007 OTH NRV PR A& CC	75	0.0149	99.4694	27.0267
	016 NONSP CBV DIS,CC	75	0.0149	99.4844	33.6800
375 376	057 T&A ~TNS,AD A>17	/3	0.0145	99.4989	7.3151
370 377	168 MOUTH PROCS, A CC	12	0.0143	99.5133	8.4444
377 378	401 LYMPH LEUK,MN,AC	/2	0.0143	99.5276	19.9028
378 379	076 OR RSP, MJRCH, CC	69	0.0137	99.5414	19.7971
380	338 TESTES PR, MALIG	6 /	0.0133	99.5548	10.4627
	447 ALLRGC REAC, A>17		0.0133	99.5681	4.6567
381	293 OTH E,N,M PR~A C	Ų J	0.0125	99.5807	4.8571
382	216 MUSCL&CONN BIOPS		0.0123	99.5930	18.7903
383	419 FEVER UNKNWN, A C	57	0.0113	99.6044	12.8947
384	213 MUSCL&CN TIS AMP	56	0.0111	99.6155	34.2679
385	214 BACKENECK PR.AJC	56 56 56 54 52	0.0111	99.6267	24.1607
386	223 UPR XTRM PR,A CC	56	0.0111	99.6379	13.1786
387	306 PROSTATECTOMY, AC	56	0.0111	99.6490	17.8393
388	427 NEUROSES DEPRSV	54	0.0107	99.6598	9.2222
389	448 ALLRGC READ, A<18	52	0.0103	99.6701	4.1346
390	126 ENDOCARDITIS		0.0099	99.6801	22.5200
391	314 URETHRAL PR,A<18	50	0.0099	99.6901	11.0000
392	117 PCMKR REP"PLSGN	49	0.0097	99.6998	9.7347
393	334 MJR PELVIC PR,CC 412 HIST MALG,ENDSCP	49	0.0097	99.7096	24.5918
394	412 HIST MALG, ENDSCP	49	0.0097	99.7194	2.5918
395	291 THYROGLOSSAL PR	48	0.0095	99.7289	4.4583
396	150 PRTNL ADHESLS, AC	47	0.0093	99.7383	22.0213
397	357 UTRS&ADNEXA, MALG		0.0093	99.7477	19.7021
398	033 CONCUSSION A<18	46	0.0091	99.7568	3.1739
399	164 APPNDC, CMP DX, AC		0.0091	99.7660	19.6522
400	201 OTH HPTBL/PNC PR		0.0089	99.7750	17.9111
401	264 SKN GRFT, ULCR AC	44	0.0087	99.7838	27.9091
402	307 PROSTATECTOMY AC	44	0.0087	99.7925	16.0455
403	387 PREMTRTY, MJR PRB		0.0087	99.8013	4.4318
404	265 SKN GRFT ULCR,CC	43	0.0085	99.8099	13.6744
405	084 MJR CHST TR A<70	42	0.0083	99.8182	6.4286
406	309 MNR BLDR PR"A CC	39	0.0077	99.8260	17.1026
407	392 SPLENECTOMY, A>17		0.0077	99.8338	28.2564
408	051 SALV GLND PR"SIA	38	0.0075	99.8414	7.0000

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Order	DRG	Frequency	Percent	Cumulative Percent	Mean Length of Stay
409	386 NEONTS, XTRM IMMT	38	0.0075	99.8489	3.8684
410	263 SKN GRFT, ULCR, AC	35	0.0069	99.8559	59.0571
411	353 PLVC EVISC, R HYS	35	0.0069	99.8629	24.2571
412	465 AFTRCR, DX2=MALIG	35	0.0069	99.8699	4.7143
413	308 MNR BLDR PR,A CC	34	0.0067	99.8766	14.4118
414	191 MJR PNC, LVR, SHNT	33	0.0065	99.8832	27.9091
415	330 URTHRL STRC,A<18	33	0.0065	99.8898	3.2727
416	049 MJR HD&NECK PROC	32	0.0063	99.8962	26.1875
417	286 ADRNL&PIT PROCS	32	0.0063	99.903	23.5313
418	424 OR PR. DX1=MENTAL	31	0.0061	99.909	21.5806
419	115 PCMKR, AMI OR CHF	29	0.0057	99.914	19.8621
420	345 OTH ML REPRO"MLG	29	0.0057	99.920	9.2759
421	067 EPIGLOTTITIS	28	0.0055	99.926	5.9643
422	289 PARATHYROID PROC	27	0.0053	99.931	12.8148
423	005 XTRACRNL VASC PR	25	0.0049	99.936	31.6400
424	083 MJR CHST TR A& C	25	0.0049	99.941	17.9200
425	199 HPTOBL DX PR,MLG	25	0.0049	99.946	24.7200
426	458 NON-EXT BRN, GRFT	23	0.0045	99.951	27.6087
427	200 HPTOBL DX PR~MLG	21	0.0041	99.955	19.2381
428	344 OTH ML REPRO, MLG	21	0.0041	99.959	14.7619
429	022 HYPRTNS ENCPHLOP	17	0.0033	99.963	19.3529
430	031 CONCUSSION A& CC	17	0.0033	99.966	9.5294
431	195 TOT CHLST, CDE, AC	16	0.0031	99.969	18.6875
432	393 SPLENECTOMY, A<18	16	0.0031	99.972	11.2500
434	118 PULSE GEN REPL	14	0.0027	99.978	7.3571
435	362 LAPRSCPC TBL INT	14	0.0027	99.981	3.7857
436	406 MYELO DIS,OR,CC	13	0.0025	99.983	48.5385
437	221 KNEE PROCS,A CC	12	0.0023	99.986	13.6667
438	292 OTH E,N,M PR,A C	12	0.0023	99.988	17.2500
439	196 TOT CHLST, CDE AC	11	0.0021	99.990	16.0909
440	407 MYELO DIS,OR,~CC	10	0.0019	99.992	20.2000
441	439 SKIN GRAFTS, INJR	8	0.0015	99.994	13.8750
442	285 END, NUTR, MET AMP	7	0.0013	99.995	41.4286
443	457 EXTENSIVE BURNS	6	0.0011	99.997	27.0000
444	287 SKN GRFTS, EN, N, M	5	0.0009	99.998	16.0000
445	228 HAND GANGLION PR	4	0.0007	99.998	3.2500
446	302 KIDNEY TRANSPLNT	4	0.0007	99.999	23.0000
447	317 RENAL FLR, DLYSIS	3	0.0005	100.000	19.0000
448	288 OBESITY OR PROCS	1	0.0001	100.000	35.0000

1985

001 391 NORMAL NEWBORNS 57908 11.5607 11.5607 4.8766 002 373 VAG DEL"COMPL DX 56961 11.3716 22.9323 5.6504 003 183 MSC DIG DIS, A<18 8968 1.7904 27.7452 3.9323 5.6504 003 183 MSC DIG DIS, A<18 8968 1.7904 27.7452 3.9323 5.6504 005 088 CHRN PULM OBSTR 7034 1.4043 29.1495 12.3135 005 467 OTH HLTH FACTORS 6992 1.3959 30.5454 37.7018 007 167 APPNDC"CMP DX"AC 6858 1.3691 31.9145 6.0099 008 270 OTH SKN PR"A]CC 6489 1.2955 33.2100 2.1376 009 270 OTH SKN PR"A]CC 6489 1.2955 33.2100 2.1376 009 030 TR ST.CMAC1, A<18 6322 1.2621 34.4721 2.1438 010 098 BRNCHARSTH AC17 5761 1.1501 35.6222 5.0696 011 364 DAC, CONZTN"HALIG 5756 1.1501 35.6222 5.0696 011 364 DAC, CONZTN"HALIG 5758 1.1497 36.7717 2.4750 012 243 MED BACK PROBS 5719 1.1417 37.9135 8.8234 013 0500 TNSECT, ADCT AC18 5486 1.0952 39.0087 3.8841 014 029 TR ST, CMAC1, A<70 5431 1.0842 40.0929 2.66647 015 007 00MGURI, A<18 511 1.0210 41.1139 3.9990 016 182 MSC DGSTV DIS, AC 4965 0.9912 42.1051 7.6673 017 0.0740RL, AC18 5486 1.0952 39.0087 33.0504 15.6163 018 143 CHEST PAIN 4288 0.8561 43.9064 5.1322 017 371 CESAREAN, "CC 4735 0.9453 43.0504 11.6163 018 143 CHEST PAIN 4288 0.8561 43.9064 5.1322 017 371 CESAREAN, "CC 4735 0.9453 43.0504 11.27724 020 284 MNR SKIN DIS"A]C 3800 0.7586 45.4710 3.9990 024 427 SGNS£SYMP, MSCLES DIS 3709 0.7405 46.2114 23.5044 022 127 HRT FERSSHOCK 3696 0.7379 46.9493 13.7903 023 122 CRC DIS, AMISCCV 3580 0.7405 48.9699 1.9266 0.9954 0.9952 4.909 0.9266 0.9954 0.9952 0.9952 0.9952 0.9952 0.9952 0.9952 0.9952 0.9952 0.9952 0.9952 0.9952 0.9952 0.9952 0.9952 0.9952 0.9952 0.9952 0.9952 0.9952 0.9952 0.9952 0.9952 0.9952 0.9952 0.9952 0.9952 0.9952 0.9952 0.9952 0.9952 0.9952 0.9952 0.9952 0.9952 0.9952 0.9952 0.9952 0.9952 0.9952 0.9952 0.9952 0.9952 0.9952 0.9952 0.9952 0.9952 0.9952 0.9952 0.9952 0.9952 0.9952 0.9952 0.9952 0.9952 0.9952 0.9952 0.9952 0.9952 0.9952 0.9952 0.9952 0.9952 0.9952 0.9952 0.9952 0.9952 0.9952 0.9952 0.9952 0.9952 0.9952 0.9952 0.9952 0.9952 0.9952 0.9952 0.9952 0.9952 0.9952 0.9952 0.9952 0.9952 0.9952 0.9952 0.9952 0	Order	DRG	Frequency	Percent	Cumulative	Mean Length
002 373 VAG DEL"COMPL DX 56961 11.3716 22.9323 5.6504 003 183 MSC DIG DIS, A/18 15140 3.0225 25.9519 3.9638 004 184 MSC DIG DIS, A/18 8968 1.7904 27.7452 3.9345 005 088 CHRN PULM OBSTR 7034 1.4043 29.1495 13.135 006 467 OTH HLTH FACTORS 6992 1.3959 30.5454 3.7018 007 167 APPNDC CMP DX"AC 6858 1.3691 31.9145 6.0099 008 270 OTH SKN PR"A[CC 6858 1.3691 31.9145 6.0099 008 270 OTH SKN PR"A[CC 6858 1.3691 31.9145 6.0099 009 030 TR ST, CMACI, A/18 6322 1.2651 34.4721 2.1438 010 0098 BRNCHMASTH A/17 5761 1.1501 35.6222 5.0696 011 364 DEC, CONZTN"MALIG 5758 1.1495 36.7717 2.4750 011 364 DEC, CONZTN"MALIG 5758 1.1495 36.7717 2.4750 011 364 DEC, CONZTN"MALIG 5758 1.1495 36.7717 2.4750 012 243 MED BACK PROBS 5719 1.1417 37.9135 8.8234 013 060 TNSECT, ADCT A/18 5486 1.0952 39.0087 3.8841 014 029 TR ST, CMACI, A/70 5431 1.0842 40.0929 2 6.6647 015 070 OMEURI, A/18 5114 1.0210 41.1139 3.9990 016 182 MSC DGSTV DIS, AC 4965 0.9912 42.1051 7.66673 017 371 CESAREAN, TCC 4735 0.9453 43.0504 11.6163 018 143 CHEST PAIN 4288 0.8561 43.9064 5.1322 019 468 UNRELATED OR PRO 4037 0.8059 44.7124 12.7724 020 284 MNR SKIN DIS"A C 3800 0.7586 45.4710 3.9205 014 SPEC CRBRVSC DIS 3709 0.7405 46.2114 23.5044 022 127 HRT FLRESHOCK 3696 0.7379 46.9493 13.7903 022 025 294 DIABETES ACCESTS SCORES SC					Percent	of Stay
002 373 VAG DEL"COMPL DX 56961 11.3716 22.9323 5.6504 003 183 MSC DIG DIS, A/18 15140 3.0225 25.9519 3.9638 004 184 MSC DIG DIS, A/18 8968 1.7904 27.7452 3.9345 005 088 CHRN PULM OBSTR 7034 1.4043 29.1495 13.135 006 467 OTH HLTH FACTORS 6992 1.3959 30.5454 3.7018 007 167 APPNDC CMP DX"AC 6858 1.3691 31.9145 6.0099 008 270 OTH SKN PR"A[CC 6858 1.3691 31.9145 6.0099 008 270 OTH SKN PR"A[CC 6858 1.3691 31.9145 6.0099 009 030 TR ST, CMACI, A/18 6322 1.2651 34.4721 2.1438 010 0098 BRNCHMASTH A/17 5761 1.1501 35.6222 5.0696 011 364 DEC, CONZTN"MALIG 5758 1.1495 36.7717 2.4750 011 364 DEC, CONZTN"MALIG 5758 1.1495 36.7717 2.4750 011 364 DEC, CONZTN"MALIG 5758 1.1495 36.7717 2.4750 012 243 MED BACK PROBS 5719 1.1417 37.9135 8.8234 013 060 TNSECT, ADCT A/18 5486 1.0952 39.0087 3.8841 014 029 TR ST, CMACI, A/70 5431 1.0842 40.0929 2 6.6647 015 070 OMEURI, A/18 5114 1.0210 41.1139 3.9990 016 182 MSC DGSTV DIS, AC 4965 0.9912 42.1051 7.66673 017 371 CESAREAN, TCC 4735 0.9453 43.0504 11.6163 018 143 CHEST PAIN 4288 0.8561 43.9064 5.1322 019 468 UNRELATED OR PRO 4037 0.8059 44.7124 12.7724 020 284 MNR SKIN DIS"A C 3800 0.7586 45.4710 3.9205 014 SPEC CRBRVSC DIS 3709 0.7405 46.2114 23.5044 022 127 HRT FLRESHOCK 3696 0.7379 46.9493 13.7903 022 025 294 DIABETES ACCESTS SCORES SC	001	201 NORMAL NEWDORNE	57000	11 5607	11 5607	4 0266
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036			2417	0.4825	53.8604	
037 355 NON-RAD HYST A C 2277 0.4546 55.2483 11.9552 038 047 OTH EYE DS,A>17" 2236 0.4464 55.6947 5.6203 039 133 ATHRSCLROSIS A C 2217 0.4426 56.1373 5.9504 040 091 SMPL PNEUAP A<18 2207 0.4406 56.5779 7.9107 041 252 FX,SPRN,DIS A<18 2179 0.4350 57.0129 1.7536 042 450 TOX EFF,DRG,A<70 2178 0.4348 57.4477 2.9109 043 178 UNCMP PTC LCR AC 2148 0.4288 57.8766 4.1355 044 234 OTH MSCL&CONN AC 2133 0.4258 58.3024 7.6737 045 451 TOX EFF,DRG,A<18 2132 0.4256 58.7280 1.7256 046 134 HYPERTENSION 2118 0.4228 59.1509 7.6983 047 082 RESP NEOPLASMS 2116 0.4224 59.5733 13.5718 048 055 MISC EAR,NS,THRT 2106 0.4204 59.9937 3.9088 049 340 TSTS PR MLG,A<18 2096 0.4184 60.4122 3.9165 050 198 TOT CHLST CDE AC 2095 0.4182 60.8304 12.1589			2345	0.4682	54.3286	3.3160
038  047 OTH EYE DS,A>17"  2236  0.4464  55.6947  5.6203 039  133 ATHRSCLROSIS~A C  2217  0.4426  56.1373  5.9504 040  091 SMPL PNEUAP A<18  2207  0.4406  56.5779  7.9107 041  252 FX,SPRN,DIS A<18  2179  0.4350  57.0129  1.7536 042  450  TOX EFF,DRG,A<70  2178  0.4348  57.4477  2.9109 043  178 UNCMP PTC LCR~AC  2148  0.4288  57.8766  4.1355 044  234 OTH MSCLECONN~AC  2133  0.4258  58.3024  7.6737 045  451  TOX EFF,DRG,A<18  2132  0.4256  58.7280  1.7256 046  134  HYPERTENSION  2118  0.4228  59.1509  7.6983 047  082  RESP NEOPLASMS  2116  0.4224  59.5733  13.5718 048  055  MISC EAR,NS,THRT  2106  0.4204  59.9937  3.9088 049  340  TSTS PR~MLG,A<18  2096  0.4184  60.4122  3.9165 050  198  TOT CHLST~CDE~AC  2095  0.4182  60.8304  12.1589			2330	0.4652	54.7937	2.5923
039 133 ATHRSCLROSIS A C 2217 0.4426 56.1373 5.9504 040 091 SMPL PNEUAP A<18 2207 0.4406 56.5779 7.9107 041 252 FX,SPRN,DIS A<18 2179 0.4350 57.0129 1.7536 042 450 TOX EFF,DRG,A<70 2178 0.4348 57.4477 2.9109 043 178 UNCMP PTC LCR AC 2148 0.4288 57.8766 4.1355 044 234 OTH MSCL&CONN AC 2133 0.4258 58.3024 7.6737 045 451 TOX EFF,DRG,A<18 2132 0.4256 58.7280 1.7256 046 134 HYPERTENSION 2118 0.4228 59.1509 7.6983 047 082 RESP NEOPLASMS 2116 0.4228 59.5733 13.5718 048 055 MISC EAR,NS,THRT 2106 0.4204 59.9937 3.9088 049 340 TSTS PR MLG,A<18 2096 0.4184 60.4122 3.9165 050 198 TOT CHLST CDE AC 2095 0.4182 60.8304 12.1589				0.4546	55.2483	11.9552
040 091 SMPL PNEU&P A<18 2207 0.4406 56.5779 7.9107 041 252 FX,SPRN,DIS A<18 2179 0.4350 57.0129 1.7536 042 450 TOX EFF,DRG,A<70 2178 0.4348 57.4477 2.9109 043 178 UNCMP PTC LCR AC 2148 0.4288 57.8766 4.1355 044 234 OTH MSCL&CONN AC 2133 0.4258 58.3024 7.6737 045 451 TOX EFF,DRG,A<18 2132 0.4256 58.7280 1.7256 046 134 HYPERTENSION 2118 0.4228 59.1509 7.6983 047 082 RESP NEOPLASMS 2116 0.4228 59.5733 13.5718 048 055 MISC EAR,NS,THRT 2106 0.4204 59.9937 3.9088 049 340 TSTS PR MLG,A<18 2096 0.4184 60.4122 3.9165 050 198 TOT CHLST CDE AC 2095 0.4182 60.8304 12.1589				0.4464	55.6947	5.6203
041 252 FX,SPRN,DIS A<18 2179 0.4350 57.0129 1.7536 042 450 TOX EFF,DRG,A<70 2178 0.4348 57.4477 2.9109 043 178 UNCMP PTC LCR"AC 2148 0.4288 57.8766 4.1355 044 234 0TH MSCL&CONN"AC 2133 0.4258 58.3024 7.6737 045 451 TOX EFF,DRG,A<18 2132 0.4256 58.7280 1.7256 046 134 HYPERTENSION 2118 0.4228 59.1509 7.6983 047 082 RESP NEOPLASMS 2116 0.4224 59.5733 13.5718 048 055 MISC EAR,NS,THRT 2106 0.4204 59.9937 3.9088 049 340 TSTS PR"MLG,A<18 2096 0.4184 60.4122 3.9165 050 198 TOT CHLST"CDE"AC 2095 0.4182 60.8304 12.1589			2217	0.4426	56.1373	5.9504
042 450 TOX EFF,DRG,A<70 2178 0.4348 57.4477 2.9109 043 178 UNCMP PTC LCR"AC 2148 0.4288 57.8766 4.1355 044 234 OTH MSCL&CONN"AC 2133 0.4258 58.3024 7.6737 045 451 TOX EFF,DRG,A<18 2132 0.4256 58.7280 1.7256 046 134 HYPERTENSION 2118 0.4228 59.1509 7.6983 047 082 RESP NEOPLASMS 2116 0.4224 59.5733 13.5718 048 055 MISC EAR,NS,THRT 2106 0.4204 59.9937 3.9088 049 340 TSTS PR"MLG,A<18 2096 0.4184 60.4122 3.9165 050 198 TOT CHLST"CDE"AC 2095 0.4182 60.8304 12.1589				0.4406	56.5779	7.9107
043 178 UNCMP PTC LCR"AC 2148 0.4288 57.8766 4.1355 044 234 OTH MSCL&CONN"AC 2133 0.4258 58.3024 7.6737 045 451 TOX EFF,DRG,A<18 2132 0.4256 58.7280 1.7256 046 134 HYPERTENSION 2118 0.4228 59.1509 7.6983 047 082 RESP NEOPLASMS 2116 0.4224 59.5733 13.5718 048 055 MISC EAR,NS,THRT 2106 0.4204 59.9937 3.9088 049 340 TSTS PR"MLG,A<18 2096 0.4184 60.4122 3.9165 050 198 TOT CHLST"CDE"AC 2095 0.4182 60.8304 12.1589				0.4350	57.0129	1.7536
044 234 OTH MSCL&CONN*AC 2133 0.4258 58.3024 7.6737 045 451 TOX EFF,DRG,A<18 2132 0.4256 58.7280 1.7256 046 134 HYPERTENSION 2118 0.4228 59.1509 7.6983 047 082 RESP NEOPLASMS 2116 0.4224 59.5733 13.5718 048 055 MISC EAR,NS,THRT 2106 0.4204 59.9937 3.9088 049 340 TSTS PR*MLG,A<18 2096 0.4184 60.4122 3.9165 050 198 TOT CHLST*CDE*AC 2095 0.4182 60.8304 12.1589				0.4348	57.4477	2.9109
045 451 TOX EFF,DRG,A<18 2132 0.4256 58.7280 1.7256 046 134 HYPERTENSION 2118 0.4228 59.1509 7.6983 047 082 RESP NEOPLASMS 2116 0.4224 59.5733 13.5718 048 055 MISC EAR,NS,THRT 2106 0.4204 59.9937 3.9088 049 340 TSTS PR*MLG,A<18 2096 0.4184 60.4122 3.9165 050 198 TOT CHLST*CDE*AC 2095 0.4182 60.8304 12.1589				0.4288	57.8766	4.1355
046 134 HYPERTENSION 2118 0.4228 59.1509 7.6983 047 082 RESP NEOPLASMS 2116 0.4224 59.5733 13.5718 048 055 MISC EAR,NS,THRT 2106 0.4204 59.9937 3.9088 049 340 TSTS PR"MLG,A<18 2096 0.4184 60.4122 3.9165 050 198 TOT CHLST"CDE"AC 2095 0.4182 60.8304 12.1589	•				58.3024	7.6737
047 082 RESP NEOPLASMS 2116 0.4224 59.5733 13.5718 048 055 MISC EAR,NS,THRT 2106 0.4204 59.9937 3.9088 049 340 TSTS PR~MLG,A<18 2096 0.4184 60.4122 3.9165 050 198 TOT CHLST~CDE~AC 2095 0.4182 60.8304 12.1589		451 TOX EFF, DRG, A<18				
048 055 MISC EAR,NS,THRT 2106 0.4204 59.9937 3.9088 049 340 TSTS PR~MLG,A<18 2096 0.4184 60.4122 3.9165 050 198 TOT CHLST~CDE~AC 2095 0.4182 60.8304 12.1589						
049 340 TSTS PR"MLG,A<18 2096 0.4184 60.4122 3.9165 050 198 TOT CHLST"CDE"AC 2095 0.4182 60.8304 12.1589						
050 198 TOT CHLST CDE AC 2095 0.4182 60.8304 12.1589		UDD MISC EAR, NS, THRT				
A51 163 THOSENS MEN - 30						
031 102 INGSFRE HRN,AC/0 2039 0.4071 61.2375 7.1506						
	0.31	102 INGSFML HRN,AC/0	2039	U.4071	61.2375	7.1506

Order	DRG	Frequency	Percent	Cumulative Percent	Mean Length of Stay
052	281 SKN TRMA,A<70	2031	0.4055	61.6429	3.0487
053	395 RED BLD CL,A>17	2023	0.4038	62.0468	11.4503
054	369 MNSTRL&OTH P RPR	2022	0.4036	62.4505	3.8541
055	422 VRL ILL, FVR, A<18	2003	0.4000	62.8506	4.2496
056	231 RMVL"HIP&FEM DEV	1923	0.3839	63.2345	4.8268
057	251 FX, SPRN, DIS A<70	1871	0.3735	63.6080	2.6205
058	073 OTH E.N.T A>17	1869	0.3731	63.9811	3.4821
059	187 DNTL EXTRERESTOR	1791	0.3575	64.3387	2.0095
060	102 OTHR RSP DX A<70	1734	0.3461	64.6848	6.2578
061	209 MJR JOINT PROCS	1730	0.3453	65.0302	24.1671
062	062 MYRINGOTOMY A<18	1709	0.3411	65.3714	1.6594
063	256 OTH DX, MSCL&CONN	1709	0.3411	65.7126	5.7162
064	445 MLTPL TRMA,A<70	1708	0.3409	66.0536	3.6235
065	321 KIDEUR INF, A<70	1687	0.3367	66.3904	4.9235
066	324 URNRY STONES AIC	1677	0.3347	66.7252	4.3918
067	322 KIDGUR INF,A<18	1634	0.3262	67.0514	4.2417
068	255 OTH FX, SPR A<18	1627	0.3248	67.3762	3.4388
069	249 AFTERCARE, MSCLSK	1576	0.3146	67.6908	2.6764
070	041 XTROC PR A<18	1552	0.3098	68.0007	2.6740
071	158 ANAL PROCS ~A CC	1548	0.3090	68.3097	5.7972
072	175 GI HMRRHG"A CC	1531	0.3056	68.6153	4.5872
073	390 NEON, OTH SIG PRB	1523	0.3040	68.9194	4.7663
074	101 OTHR RSP DX A CC	1483	0.2960	69.2155	12,1814
075	326 KIDSUR SSS,A<70	1479	0.2952	69.5107	4.1217
076	282 SKN TRMA, A<18	1472	0.2938	69.8046	2.4389
077	074 OTH E.N.T A<18	1436	0.2866	70.0913	2.6727
078	130 PRPHL VSC DIS,AC	1421	0.2836	70.3750	14.3652
079	028 TR ST, CMA<1, A& C	1387	0.2768	70.6519	6.2884
080	210 HIPEFEMUR PR,AC	1381	0.2757	70.9276	25.2469
081	139 ARRHYTHECNDC AIC	1373	0.2741	71.2017	6.1835
082	229 HAND PR"GANGLION	1358	0.2711	71.4728	4.2172
083	385 NEONTS, DIED   XFRD	1353	0.2701	71.7429	0.9756
084	278 CELLULITIS, A<70	1352	0.2699	72.0128	5.9608
085	090 SMPL PNEUSP A<70	1351	0.2697	72.2825	13.2087
086	138 ARRHYTH&CNDC,A C	1338	0.2671	72.5496	9.3401
087	236 FRAC OF HIPEPLVS	1334	0.2663	72.8159	12.8598
088	343 CIRCUMCSION, A<18	1332	0.2659	73.0819	1.9505
089	012 DEGENR NRVS DIS	1309	0.2613	73.3432	23.8594
090	190 OTH DGST DX,A<18	1298	0.2591	73.6023	3.7943
091	298 MISC MET DS,A<18	1293	0.2581	73.8605	9.9404
092	015 TRANS ISCHEM ATT	1271	0.2537	74.1142	8.6444
093	404 LYMPH LEUK,A<70	1268	0.2531	74.3673	10.3060
094	063 OTH E,N,T OR PR	1258	0.2511	74.6185	3.1232
095	132 ATHRSCLROSIS,A C	1248	0.2491	74.8676	11.2091
096	360 VGNA, CRVX&VLV PR	1230	0.2455	75.1132	6.3764
097	266 SKN GRFT~ULCR~CC	1218	0.2431	75.3564	6.4680
098	069 OM&URI,A18-69°C	1217	0.2429	75.5993	4.2794
099	145 OTH CIRD DX, CC	1189	0.2373	75.8367	8.2380
100	066 EPISTAXIS	1179	0.2353	76.0721	4.3308
101	142 SYNCP&CLLPS, ~A C	1179	0.2353	76.3074	7.7846
102	131 PRPHL VSC DIS~ÁC	1163	0.2321	76.5396	10.3861

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Order	DRG	Frequency	Percent	Cumulative Percent	Mean Length of Stay
103	163 HERNIA PROC,A<18	1155	0.2305	76.7702	3.4450
104	059 TNSECT, ADCT A>17	1154	0.2303	77.0006	5.4896
105	225 FOOT PROCS	1129	0.2253	77.2260	9.6678
106	172 DGSTV MALIG,A CC	1114	0.2223	77.4484	16.0700
		1096	0.2190	77.6674	6.5885
107	470 UNGROUPABLE 358 UTRS&ADNEXA~MLG	1096	0.2188	77.8862	9.8786
108	336 TRNSUR PRSTCT,AC	1090	0.2180	78.1042	14.0046
109		1079	0.2154	78.3196	8.1233
110	325 KID&UR SG&SY,A C	1079	0.2104	78.5300	6.4810
111	208 BLRY TR DISTA CC	1034	0.2104	78.7372	2.7187
112	361 LAPSCPY&ENDSC, FE		0.2072	78.9443	5.0473
113	100 RSP SGN&SY A<70	1037	0.2012	79.1455	4.1716
114	040 XTROC PR A>=18	1008	0.1984	79.1435	12.8099
115	128 DP VN THRMBPHLEB	994 985	0.1966	79.5406	6.6822
116	295 DIABETES AGE<36	984	0.1964	79.7370	12.5843
117	316 RENAL FLR DLYSIS			79.7370	3.2719
118	058 T&A ~TNS,AD A<18	982	0.1960		
119	235 PRACTR OF FEMUR	977	0.1950	80.1281	20.0041
120	123 CRC DIS,AMI,XPRD	968	0.1932	80.3214	15.8616 12.2534
121	241 CONN TISS DISTAC	963	0.1922	80.5136	7.9915
122	301 ENDCRN DISTACC	942	0.1880	80.7017 80.8888	3.0245
123	446 MLTPL TRMA,A<18	937	0.1870		9.5441
124	035 OTH NRVS DIS, AC	930	0.1856	81.0744	5.6546
125	227 SOFT TISS PR~A C	912	0.1820	81.2565	9.1449
126	179 INFLM BOWEL DIS	897	0.1790	81.4356	
127	403 LYMPH LEUK,A CC	875	0.1746	81.6102	15.1486
128	320 KIDEUR INF,A CC	859	0.1714	81.7817	12.7509
129	174 GI HMRRHG,A CC	841	0.1678	81.9496	9.3924
130	071 LARYNGOTRCHEITS	840	0.1676	82.1173	3.0798
131	305 KID, UR PR"MLG"AC	838	0.1672	82.2846	11.3437
132	332 OTH KIDEUR, A<70	822	0.1641	82.4487	5.0049
133	464 SIGNS&SYMPTMS~CC	801	0.1599	82.6086	8.2297
134	389 FULL TRM NN, PRBS	798	0.1593	82.7680	3.9724
135	155 STM, ESO, DD A<70	788	0.1573	82.9253	15.3769
136	215 BACKENECK PRAC	782	0.1561	83.0814	15.7442
137	426 DEPRSV NEUROSES	770	0.1537	83.2351	12.0779 7.3935
138	297 MISC MET DS,A<70	765	0.1527	83.3878	
139	177 UNCMP PTC LCR, AC	759	0.1515	83.5394	9.4150
140	121 CRC DIS, AMI&E, CC	756	0.1509	83.6903	15.5794
141	337 TRNSUR PRSTCT AC	754	0.1505	83.8408	10.6897
142	185 DNTL DIS"XT,A>17	753	0.1503	83.9911	5.9801
143	096 BRNCH&ASTH A CC	745	0.1487	84.1399	10.7597
144	283 MNR SKIN DIS,A C	745	0.1487	84.2886	9.9772
145	253 OTH FX,SPR A CC	737	0.1471	84.4357	13.7544
146	239 PATH FREMSCL MLG	733	0.1463	84.5821	10.3984
147	169 HOUTH PROCS A CC	720	0.1437	84.7258	4.4139
148	339 TSTS PR~MLG,A>17	716	0.1429	84.8688	5.5768
149	141 SYNCP&CLLPS,A CC	715	0.1427	85.0115	7.4937
150	460 NON-EXT BRN OR P	712	0.1421	85.1536	9.5955
151	279 CELLULITIS,A<18	711	0.1419	85.2956	4.4402
152	268 SKN, SUBCT&BR PLS	706	0.1409	85.4365	14.0071
153	430 PSYCHOSES	705	0.1407	85.5773	18.9121

Order	DRG	Frequency	Percent	Cumulative Percent	Mean Length of Stay
154	186 DNTL DIS"XT,A<18	703	0.1403	85.7176	2.8122
155	161 ING&FML HRN,A CC	698	0.1393	85.8570	10.6748
156	435 DRUG USE DEPNONC	698	0.1393	85.9963	8.1719
157	173 DGSTV MALIG~A CC	697	0.1391	86.1355	12.3630
158	405 LYMPH LEUK,A<18	697	0.1391	86.2746	6.6356
159	219 LWR XTRM PR.A<70	693	0.1383	86.4130	15.7489
160	359 TUBAL INTRRP~MLG	680	0.1357	86.5487	3.1603
161	388 PREMTRTY [~] MJR PRB	680 665 663 661 659	0.1327	86.6815	3.2015
162	188 OTH DGSTV DX,A C	663 661	0.1323	86.8138	7.2760
163	065 DYSEQUILIBRIUM	661	0.1319	86.9458	6.1225
164	352 OTH ML REPRO DX 153 MNR BOWEL PR A C 397 COAGULATION DSRD 136 CRDC CNG&VV,A<70 269 OTH SKN PR A CC	659	0.1315	87.0774	3.1791
165	153 MNR BOWEL PR~A C	654 652	0.1305	87.2079	7.0734
166	397 COAGULATION DSRD	652	0.1301	87.3381	6.0322
167	136 CRDC CNG&VV.A<70	645	0.1287	87.4669	6.4775
168	269 OTH SKN PR A CC	645	0.1287	87.5956	7.2248
169	148 MJR BOWEL PR,A C	635	0.1267	87.7224	28.9008
170	245 BONE DISEASE A C	619	0.1235	87.8460	8.3619
171	021 VIRAL MENINGITIS	617	0.1231	87.9692	6.0032
172	356 FEM RPR RCNST PR	614	0.1225	88.0917	10.2590
173	421 VIRAL ILLNS,A>17	613	0.1223	88.2141	7.5791
174	149 MJR BOWEL PR~A C	596	0.1189	88.3331	21.5252
175 176	222 KNEE PROCS A CC	595	0.1187	88.4519	5.2185
177	250 FX,SPR ARM&FT,AC	592	0.1181	88.5701	4.4375
178	425 PSYCHOSOC DYSFNC	574	0.1181	88.6883	7.8834
179	024 SERENDACH AS ICC	5/6	0.1153	88.8036	9.4619
180	024 SZR&HDACH A& CC 020 NRV INF "VRL MNG 461 OR PR, DX=OTH CTC 207 BLRY TR DIS,A CC 274 MLG BRST DIS,A CC 048 OTH EYE DIS,A C18 206 OTH LIVER DIS AC 013 MP SCLER&CRBL AT	592 592 578 575 571 570	0.1147 0.1139	88.9184	11.8591
181	207 BIDY TO DIS ALCO	571 570	0.1137	89.0324	5.2767
182	274 MIG ROST DIS ALC	570	0.1137	89.1462 89.2600	10.9316 17.8246
183	DAR OTH EVE DIS AC18	569	0.1137	89.3734	4.0000
184	206 OTH LIVER DISTAC	565	0.1127	89.4862	8.0549
185	013 MP SCLERECRBL AT	555	0.1108	89.5970	18.6541
186	211 HIPSFMUR PR,A<70	551	0.1100	89.7070	22.5408
187	244 BONE DISEASE, A C	546	0.1090	89.8160	14.6026
188	350 MALE REPRO INFLM		0.1090	89.9250	5.0861
189	466 AFTRCR, DX2=MALIG	546 543	0.1084	90.0334	4.4659
190	420 ODG DISTRICT DET	E 3 6	0.1070	90.1404	28.6922
191	273 MJR SKN DIS~A CC	526	0.1050	90.2454	10.8764
192	296 MISC MET DIS,AIC	519	0.1036	90.3490	11.3680
193	064 ER, NS, THRT MALIG	517	0.1032	90.4523	16.0251
194	019 CRNL&PRPH ~A,CC	514	0.1026	90.5549	10.2198
195	273 MJR SKN DISTA CC 296 MISC MET DIS,A C 064 ER,NS,THRT MALIG 019 CRNL&PRPH "A,CC 333 OTH KID&UR,A<18	514	0.1026	90.6575	5.6946
196	434 DRUG DEPENDENCE	507	0.1012	90.7587	3.1164
197	248 TNDNTS, MYSTS, BRS	504	0.1006	90.8593	8.6230
198	333 OTH KIDAUR,A<18 434 DRUG DEPENDENCE 248 TNDNTS,MYSTS,BRS 449 TOX EFF,DRGS,A C 280 SKN SUBCT TR AC	502	0.1002	90.9595	5.2291
199			0.0998	91.0594	6.1980
200	367 FEM RPRO MLG AIC	497	0.0992	91.1586	11.2837
201	078 PULMNRY EMBOLISM	487	0.0972	91.2558	15.2341
202	418 PSTOP&PSTTR INFC	487	0.0972	91.3530	7.5072
203	290 THYROID PROCS	486	0.0970	91.4501	8.5329
204	348 BNGN PRST HYP,AC	474	0.0946	91.5447	8.2764

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Order	DRG	Frequency	Percent	Cumulative	Mean Length
01441				Percent	of Stay
					•
205	271 SKIN ULCERS	471	0.0940	91.6387	21.3609
206	311 TRNSURETH PR"AIC	467	0.0932	91.7319	5.5396
207	137 CRDC CNG&VV, A<18	462	0.0922	91.8242	6.9978
208	203 HPTOBLIPNC MALIG	448	0.0894	91.9136	17.8996
209	135 CRDC CNG&VLV,AIC	447	0.0892	92.0029	11.2461
210	327 KIDEUR SES,A<18	447	0.0892	92.0921	5.0291
211	154 STM, ESO, DD PR, AC	440	0.0878	92.1799	24.5045
212	197 TOT CHLST CDE, AC	438	0.0874	92.2674	20.2123
213	240 CONN TISS DIS,AC	436	0.0870	92.3544	17.6950
214	171 OTH DGSTV PR"AIC	435	0.0868	92.4413	6.3908
215	129 CARDIAC ARREST	432	0.0862	92.5275	13.2037
216	399 RTCLEND&IMMN~A C	423	0.0844	92.6120	4.5059
217	087 PLM EDEMAGRSP FL	415	0.0828	92.6948	10.8120
218	267 PRANL&PILONDL PR	414	0.0826	92.7775	8.3019
219	072 NSL TR & DEFORM	411	0.0820	92.8595	2.0803
220	258 TOT MAST MLG AIC	411	0.0820	92.9416	13.5109
221	144 OTH CIRC DX.CC	406	0.0810	93,0226	13.0369
222	453 TRIMI CMPL A CC	402	0.0802	93.1029	4.6443
223	342 CIRCUMCSION, A>17	399	0.0796	93.1825	3.4286
224	056 RHINOPLASTY	395	0.0788	93.2614	5.5570
225	099 RESP SGN&SY AICC	393	0.0784	93.3398	8.3028
225	275 MLG BRST DIS"AIC	383	0.0764	93.4163	13.7050
227	318 KIDSUR NEOP, AICC	383	0.0764	93.4928	10.1880
228	001 CRNIOT A>=18 TR	380	0.0758	93.5686	20.7474
229	093 INTRST LUNG A.C	380	0.0758	93.6445	9.2605
230	165 APPNDC, CMP DX AC	377	0.0752	93.7198	8.3952
231		37 <i>7</i> 376	0.0750	93.7948	6.7048
232	319 KID&UR NEOP~A CC 276 ~MALIG BRST DIS	376 373	0.0744	93.7946	3.6783
	095 PNEUMOTHRX A,CC	373 372	0.0744	93.9436	7.7419
233 234		366		94.0166	9.6175
235	443 OTH OR PR, INJ AC	363	0.0730 0.0724	94.0891	12.5124
	346 ML RPRO MLG,A CC	360	0.0724	94.1610	8.5722
236 237	331 OTH KIDSUR DX,AC	359	0.0716	94.1810	7.3844
	444 MLTPL TRAUMA,A C				
238	224 UPR XTRM PR~A CC	356	0.0710	94.3037	6.9719
239	277 CELLULITIS,A CC	356	0.0710	94.3748	12.4944
240	042 INTROC PR, R,I,L	346	0.0690	94.4438	10.9306
241	008 OTH NRV PR A,CC	345	0.0688	94.5127	7.4174
242	208 BLRY TR DISTA CC	345	0.0688	94.5816	12.0029
243	011 NRVS NEOPL TA,CC	341	0.0680	94.6497	11.8240
244	075 MJR CHEST PROCS	340	0.0678	94.7176	24.5971
245	053 SNS&MAST PR A>17	339	0.0676	94.7852	6.5634
246	300 ENDCRN DIS,A CC	339	0.0676	94.8529	14.4779
247	423 OTH INFEPAR DIS	333	0.0664	94.9194	9.3844
248	204 PANC DIS "MALIG	330	0.0658	94.9853	10.6212
249	440 WOUND DEBRD, INJR	328	0.0654	95.0507	6.4939
250	351 STERILIZATION, ML	326	0.0650	95.1158	1.0061
251	181 GI OBSTRCTN~A CC	323	0.0644	95.1803	7.3437
252	310 TRNSURETH PR,A C	321	0.0640	95.2444	8.3271
253	328 URTHRL STRCT, A C	319	0.0636	95.3081	5.2727
254	160 HRN ING& FEM, A<70	302	0.0602	95.3684	8.4536
255	217 SKIN GRAFT HAND	301	0.0600	95.4285	12.5150

		1707			
Order	DRG	Frequency	Percent	Cumulative Percent	Mean Length of Stay
256	068 CM&URI, A& CC	300	0.0598	95.4884	10.2967
257	116 PCMKR, AMI CHF		0.0598	95.5482	11.0000
258	036 RETINAL PROCS	300 297 297	0.0592	95.6075	11.2088
	130 CELLINAL PROCS	277			
259	120 OTHER CRC OR PR	291	0.0592	95.6668	10.4175
260	034 OTH NRV DIS,A& C 107 CRNRY BYPS, CCTH	296	0.0590	95.7259	13.6318
261	107 CRNRY BYPS, CCTH	295	0.0588	95.7848	9.2678
262	043 HYPHEMA	293	0.0584	95.8433	5.3276
263	396 RED BLD CL,A<18	288	0.0574	95.9008	7.8715
264	107 CRNRY BYPS, CCTH 1043 HYPHEMA 396 RED BLD CL,A<18 006 CARPL TUNNEL RLS 335 MJR PELVIC PR CC 080 RSP INF&INL A<70 329 URTHRL STRC,A<70	285	0.0568	95.9577	3.7228
265	335 MJR PELVIC PR [*] CC	285	0.0568	96.0146	20.1860
266	080 RSP INF&INL A<70	280	0.0558	96.0705	15.9571
267	329 URTHRL STRC,A<70	276	0.0551	96.1256	3.6377
268	368 FEM RPRO INFCTNS	276 275	0.0551	96.1807	5.7609
269	112 MJR RCNST VSC~AC	275	0.0549	96.2356	20.2945
270	368 FEM RPRO INFCTNS 112 MJR RCNST VSC AC 230 RMVL, HIP&FEM DEV	273	0.0545	96.2901	10.5641
271	202 CIRRHGALC HPTTIS	273 271 268 260	0.0541		13.1218
272	202 CIRRHEALC HPTTIS 349 BNGN PRST HYP AC 017 NONSP CBC DIS CC	268	0.0535	96.3442 96.3977	4.6940
273	017 NONSP CBC DIS~CC	260	0 0510	96.4496	15.3654
274	110 MJR RCSTR VSC, AC	260 257 247	0.0513	96.5009	25.8911
275	045 NEUR EVE DISEDES	247	0.0493	96.5502	6.5385
276	110 MJR RCSTR VSC, AC 045 NEUR EYE DISRDRS 180 GI OBSTRCTN,A CC 366 FEM RPRO MLG,A C 341 PENIS PROCS 272 MJR SKN DIS,A CC 157 ANAL PROCS A CC 233 OTH MSCL&CONN,AC 246 ARTHROPATHIES,NS 416 SEPTICEMIA,A>17 113 AMP CRC"UP LIMB 299 INBORN MET ERROR 323 URNRY STONES,A C 455 OTH INJ,TXC"A C 018 CRNL&PRPH A& CC 111 MJR RCNST VSC,AC	239	0.0477	96.5980	10.7866
277	366 FEM PPPO MIC ALC	234	0.0467	96.6447	28.2393
278	241 DENIE DENCE	229	0.0457	96.6904	7.5633
279	373 WIR CAN DIE VICE	225	0.0451		
	153 AVAL BROCK ALCO	220	0.0451	96.7355	16.4558
280	157 ANAL PROCS A CC	224	0.0447	96.7802	12.5982
281	233 OTH MSCLECONN, AC	223	0.0445	96.8247	22.2960
282	246 ARTHROPATHIES, NS	221	0.0441 0.0441 0.0437 0.0435	96.8689	10.2624
283	416 SEPTICEMIA, A>1/	221	0.0441	96.9130	19.0543
284	113 AMP CRC UP LIMB	219	0.043/	96.9567	41.2374
285	299 INBORN MET ERROR	218	0.0435	97.0002	9.4037
286	323 URNRY STONES, A C	216	0.0431	97.0433	7.3426
287	455 OTH INJ, TXC A C	215	0.0429	97.0863	4.0884
288	018 CRNLEPRPH A6 CC	212	0.0423	97.1286	12.4528
289	111 MJR RCNST VSC,AC	209	0.0417	97.1703	21.7177
290	079 RSP INF&INFL A C	208	0.0415	97.2118	23.0096
291	176 CMPL PEPTIC ULCR	209 208 208	0.0415	97.2534	11.6971
292	146 RECTAL RSCTN,A C 205 OTH LIVER DIS,AC 212 HIP&FMUR PR,A<18	197	0.0393	97.2927	29.2081
293	205 OTH LIVER DIS,AC	197 197	0.0393	97.3320	13.4924
294	212 HIP&FMUR PR,A<18	197	0.0393	97.3714	20.5482
295			0.0393	97.4107	12.6447
296	365 OTH FEM RPRO PR 109 CRDTHR PR, PUMP 394 OTH OR PR, BLOOD	195	0.0389	97.4496	18.6308
297	394 OTH OR PR.BLOOD	195	0.0389	97.4885	5.6667
298	166 APPNDC~CMP DX.AC	191	0.0383	97.5269	10.4974
299	109 CRDTHR PR, PUMP 394 OTH OR PR, BLOOD 166 APPNDC CMP DX, AC 433 SUBST-INDCD MNTL	191 191 190	0.0381	97.5650	3.5236
300			0.0379	97.6029	17.3263
301	156 STM,ESO,DD A<18 147 RECTAL RSCTN A C 054 SNS&MAST PR A<18 462 REHABILITATION 023 NONTE STPR&COMA 459 NON-EXT BRN DBRD	189	0.0377	97.6407	12.8836
302	147 RECTAL RSCTN ALC	187	0.0373	97.6780	24.4866
303	054 SNSLMAST DR AZIR	184	0.0373	97 7147	4 5915
304	460 DEMARKS TRANSPORT	184	0.0367	07 7515	13.5870
305	023 NONTE STERION	197	0.0363	97.7515 97.7878	5.4011
305	459 NON-EXT BRN, DBRD	182		91.1010	3.4011
200	435 NON-EAT BRN, DBRD	102	0.0363	97.8241	30.9890

Order	DRG	Prequency	Percent	Cumulative Percent	Mean Length of Stay
307	354 NON-RAD HYST, A C	181	0.0361	97.8603	17.1602
308	038 PRIM IRIS PROCS	180	0.0359	97.8962	7.9333
309	009 SPINAL DISAINJ	179	0.0357	97.9319	13.7542
310	313 URETHRAL PR.A<70	178	0.0355	97.9675	6.0000
311	218 LWR XTRM PR.AICC	177	0.0353	98.0028	24.1243
312	260 SUB MAST MLGTAIC	177	0.0353	98.0381	7.2486
313	304 KID, UR PR"MLG, AC	169	0.0337	98.0719	18.1538
314	428 PERS DISSIMP CON	169	0.0337	98.1056	22.7751
315	061 MYRINGOTOMY A>17	168	0.0335	98.1392	2.0833
316	152 MNR BOWEL PR,A C	167	0.0333	98.1725	14.2096
317	257 TOT MAST MLG, A C	163	0.0325	98.2050	17.1104
318	261 BRST PR"MLG"BIOP	161	0.0321	98.2372	4.7950
319	363 DEC, CON, R-I, MALG	158	0.0315	98.2687	8.4241
320	398 RTCLEND& IMMN, A   C	158	0.0315	98.3003	11.2532
321	052 CLFT LIP&PLT REP	154	0.0307	98.3310	11.9805
322	003 CRNIOT A<18	152	0.0303	98.3614	25.4868
323	085 PLRL EFFUSN ALIC	150	0.0299	98.3913	16.2467
324	431 CHILDHD MNTL DIS	150	0.0299	98.4213	7.7133
325	092 INTRST LUNG A CC	149	0.0297	98.4510	13.6040
326	077 OR RSP, MJRCH, C	148	0.0295	98.4805	18.1216
327	347 ML RPRO MLG"A CC	147	0.0293	98.5099	11.1701
328	220 LWR XTRM PR,A<18	146	0.0291	98.5390	9.7808
329	303 KID, UR, BL PR, MLG	144	0.0287	98.5678	22.3542
330	044 ACUT MJR EYE INF	139	0.0277	98.5955	9.3597
331	414 OTH MYELO DISTAC	139	0.0277	98.6233	13.0288
332	046 OTH EYE DS,A>17C	137	0.0273	98.6506	6.1314
333	408 MYELO DISRDR, CC	137	0.0273	98.6780	9.6934
334	081 RSP INF&INL A<18	132	0.0263	98.7043	15.2576
335	242 SEPTIC ARTHRITIS	132	0.0263	98.7307	15.6591
336	417 SEPTICEMIA, A<18	128	0.0255	98.7562	10.9375
337	420 FEVER UNKN, A<70	127	0.0253	98.7816	9.0079
338	441 HAND PROC, INJURY	127	0.0253	98.8070	5.7480
339	010 NRVS NEOPL ALICC	126	0.0251	98.8321	12.0159
340	002 CRNIOT TR A>=18	124	0.0247	98.8569	15.1129
341	086 PLRL EFFUSN A<70	123	0.0245	98.8814	12.3984
342	409 RADIOTHERAPY	123	0.0245	98.9060	13.1626
343	004 SPINAL PROCS	121	0.0241	98.9301	24.0248
344	415 OR PR, INFAPAR DS	118	0.0235	98.9537	15.7881
345	402 LYMPH LEUK, MN"AC	115	0.0229	98.9767	11.7913
346	050 SIALOADENECTOMY	114	0.0227	98,9994	7.6316
347	094 PNEUMOTHRX AICC	111	0.0221	99.0216	11.7027
348	193 BLRY TR PR~CH,AC	110	0.0219	99.0435	25.3091
349	454 OTH INJ, TXC, A   C	110	0.0219	99.0655	12.5727
350	032 CONCSN A18-69°CC	109	0.0217	99.0873	2.2844
351	037 ORBITAL PROCS	104	0.0207	99.1080	9.9904
352	151 PRTNL ADHESLS AC	101	0.0201	99.1282	11.2475
353	312 URETHRAL PR,A CC	101	0.0201	99.1483	9.8911
354	456 BURNS, TRANSFERD	101	0.0201	99.1685	13.9703
355	105 CRDC VLV W/P CCT	97	0.0193	99.1879	11.3814
356	259 SUB MAST MLG, A C	95	0.0189	99.2068	10.8632
357	194 BLRY TR PR~CH~AC	94	0.0187	99.2256	16.4468

Order	DRG	Frequency	Percent	Cumulative Percent	Mean Length of Stay
358	338 TESTES PR.MALIG	92	0.0183	99.2440	12.7717
359	400 LYMPH LEUK,MJ PR	92	0.0183	99.2623	23.4783
360	170 OTH DGSTV PR,A C	91	0.0181	99.2805	21.2747
361	386 NEONTS, XTRM IMMT	91	0.0181		
362	192 MNR PNC, LVR, SHNT	90		99.2987	2.7253
363		84	0.0179	99.3166	17.2778
	401 LYMPH LEUK,MN,AC		0.0167	99.3334	23.6548
364	452 TRTMT CMPL,A CC	84	0.0167	99.3502	7.6190
365	442 OTH OR PR, INJ, AC	82	0.0164	99.3665	25.9390
366	114 UP LIMBETOE AMP	80	0.0151	99.3825	23.9375
367	159 HRNIA~ING&FEM,AC	80	0.0151	99.3985	12.3875
368	237 SPRN, STRN, DIS HP	76	0.0156	99.4137	17.8816
369	168 MOUTH PROCS, A CC	74	0.0143	99.4284	8.1351
370	314 URETHRAL PR,A<18	73	0.0147	99.4430	5.2740
371	226 SOFT TISS PR,A C	72	0.0140	99.4574	11.6667
372	007 OTH NRV PR ALICC	70	0.0137	99.4714	20.7000
373	033 CONCUSSION A<18	68	0.0135	99.4849	2.1471
374	306 PROSTATECTOMY, AC	68	0.0135	99.4985	15.3529
375	084 MJR CHST TR A<70	66	0.0132	99.5117	5.7273
376	357 UTRS&ADNEXA, MALG	66	0.0132	99.5249	21.0455
377	016 NONSP CBV DIS,CC	62	0.0126	99.5372	15.6129
378	315 OTH KID&URN PROC	62	0.0126	99.5496	16.4516
379	057 T&A ~TNS,AD A>17	60	0.0113	99.5616	4.4667
380	345 OTH ML REPROTMLG	60	0.0113	99.5736	11.0667
381	463 SIGNS&SYMPTMS,CC	60	0.0113	99.5855	12.7833
382	126 ENDOCARDITIS	59	0.0117	99.5973	22.1356
383	293 OTH E,N,M PR~A C	58	0.0111	99.6089	3.4138
384	387 PREMTRTY, MJR PRB	58	0.0111	99.6205	4.1724
385	432 OTH DX=MNTL DSRD	58	0.0111	99.6321	8.3448
386	201 OTH HPTBL/PNC PR	57	0.0114	99.6434	13.2105
387	309 MNR BLDR PRTAICC	57	0.0114	99.6548	16.4561
388	076 OR RSP, MJRCH, CC	56	0.0118	99.6660	20.2500
389	216 MUSCL&CONN BIOPS	55	0.0101	99.6770	13.0727
390	265 SKN GRFT ULCR,CC	54	0.0105	99.6878	14.0000
391	051 SALV GLND PR"SIA	53	0.0109	99.6983	5.3774
392	412 HIST MALG, ENDSCP	51	0.0106	99.7085	2.3725
393	223 UPR XTRM PR,A CC	50	0.0090	99.7185	12.9200
394	214 BACK&NECK PR,A C	49	0.0093	99.7283	40.6735
395	447 ALLRGC REAC, A>17	49	0.0093	99.7381	4.3265
396	264 SKN GRFT,ULCR~AC	48	0.0097	99.7477	19.1042
397	334 MJR PELVIC PR,CC	48	0.0097	99.7572	31.5417
398	411 HIST MALG~ENDSCP	48	0.0097	99.7668	4.5208
399	448 ALLRGC READ,A<18	48	0.0097	99.7764	3.2708
400	164 APPNDC, CMP DX, AC	46	0.0094	99.7856	17.6957
401	362 LAPRSCPC TBL INT	46	0.0094	99.7948	3.4130
402	427 NEUROSES DEPRSV	46	0.0094	99.8040	8.7609
403	213 MUSCL&CN TIS AMP	45	0.0088	99.8129	32.7556
404	291 THYROGLOSSAL PR	45	0.0088	99.8219	4.0000
405	263 SKN GRFT, ULCR, AC	42	0.0088	99.8303	42.7381
406	307 PROSTATECTOMY AC	41	0.0082	99.8385	14.4390
407	150 PRTNL ADHESLS,AC	39	0.0079	99.8463	21.2308
408	419 FEVER UNKNWN, A   C	39	0.0079	99.8541	13.2564

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Order	DRG	Frequency	Percent	Cumulative Percent	Mean Length of Stay
409	286 ADRNLEPIT PROCS	38	0.0073	99.8617	21.5789
410	049 MJR HD&NECK PROC	37	0.0076	99.8690	37.0811
411	083 MJR CHST TR ALIC	36	0.0070	99.8762	9.9722
412	031 CONCUSSION AS CC	34	0.0067	99.8830	5.3824
413	117 PCMKR REP~PLSGN	34	0.0067	99.8898	12.2647
414	191 MJR PNC, LVR, SHNT	34	0.0067	99.8966	30.9118
415	199 HPTOBL DX PR, MLG	33	0.0061	99.9032	26.9697
416	353 PLVC EVISC, R HYS	33	0.0061	99.9098	18.7273
417	392 SPLENECTOMY, A>17	33	0.0060	99.916	20.7576
418	424 OR PR.DX1=MENTAL	33	0.0060	99.923	26.6061
419	308 MNR BLDR PR.A CC	32	0.0064	99.929	20.6250
420	370 CESAREAN, CC	30	0.0051	99.935	11.4000
421	200 HPTOBL DX PR~MLG	29	0.0055	99.941	16.5517
422	330 URTHRL STRC,A<18	28	0.0058	99.947	2.8929
423	393 SPLENECTOMY, A<18	27	0.0052	99.952	12.9630
424	465 AFTRCR, DX2=MALIG	27	0.0053	99.957	6.2593
425	289 PARATHYROID PROC	22	0.0043	99.962	17.6818
426	115 PCMKR, AMI OR CHF	19	0.0037	99.966	15.8947
427	067 EPIGLOTTIITIS	17	0.0033	99.969	7.5294
428	005 XTRACRNL VASC PR	16	0.0031	99.972	25.4375
429	458 NON-EXT BRN, GRFT	15	0.0029	99.975	26.1333
430	195 TOT CHLST, CDE, AC	13	0.0025	99.978	24.9231
431	344 OTH ML REPRO, MLG	13	0.0025	99.980	11.3077
432	457 EXTENSIVE BURNS	13	0.0025	99.983	28.6923
433	292 OTH E,N,M PR,A C	11	0.0021	99.985	10.3636
434	407 MYELO DIS,OR,~CC	11	0.0021	99.987	20.8182
435	228 HAND GANGLION PR	7	0.0013	99.989	3.5714
436	406 MYELO DIS,OR,CC	7	0.0013	99.990	31.5714
437	439 SKIN GRAFTS, INJR	7	0.0013	99.992	9.1429
438	022 HYPRTNS ENCPHLOP	6	0.0011	99.993	7.5000
439	118 PULSE GEN REPL	6 6 5	0.0011	99.994	10.1667
440	196 TOT CHLST, CDE AC	6	0.0011	99.995	17.8333
441	285 END, NUTR, MET AMP	5	0.0009	99.996	65.2000
442	302 KIDNEY TRANSPLNT	5	0.0009	99.997	13.2000
443	221 KNEE PROCS,A CC	4	0.0007	99.998	30.5000
444	287 SKN GRFTS, EN, N, M	3	0.0005	99.999	25.3333
445	288 OBESITY OR PROCS	3	0.0005	99.999	36.0000
446	317 RENAL FLR, DLYSIS	2	0.0003	100.000	2.5000

001 391 NORMAL NEWBORNS 57036 11.5578 11.5578 4.7294 002 373 VAG DEL COMPL DX 55635 11.2739 22.8317 5.5560 003 183 MSC DIG DIS, Ac70 15038 3.0473 25.8791 3.6502 004 184 MSC DIG DIS, Ac18 8886 1.8007 27.6797 3.7896 005 467 OTH HLTH FACTORS 7820 1.5847 29.2644 3.4322 006 270 OTH SKN PR ACC 7503 1.5204 30.7848 2.2989 007 088 CHRN PULM OBSTR 6995 1.4175 32.2023 12.5674 008 167 APPNDC CMP DX AC 6652 1.3480 33.5502 5.8161 009 364 DAC, CONZIN MALIG 168 1.2535 34.8038 2.3109 010 030 TR ST, CHAC1, Ac18 5767 1.1686 35.9724 2.0546 011 098 BRNCHASHA Ac17 5643 1.1435 37.1159 4.5098 011 098 BRNCHASHA Ac17 5643 1.1435 37.1159 4.5098 012 243 MED BACK PROBS 5571 1.1289 38.2448 8.2504 013 371 CESAREAN, TCC 5068 1.0270 39.2718 10.9611 014 182 MSC DGSTV DIS, AC 4916 0.9962 40.2680 7.2026 015 143 CHEST PAIN 4847 0.9822 41.2502 5.0087 016 060 TNSECT, ADCT Ac18 4800 0.9727 42.2228 3.7148 0170 0MSURI, Ac18 4753 0.9632 41.2502 5.0087 017 070 0MSURI, Ac18 4753 0.9632 41.2502 5.0087 019 466 UNRELATED OR PRO 3960 0.8025 44.9445 12.3396 020 284 MNR SKIN DIS ALC 4718 0.9561 44.1421 2.4466 019 466 UNRELATED OR PRO 3960 0.8025 44.9445 12.3396 020 284 MNR SKIN DIS ALC 3773 0.7646 45.7091 3.5229 012 12.7 HRT FLRSHOCK 5580 0.7259 47.1600 22.0148 022 TL 7 HRT FLRSHOCK 5580 0.7259 47.1600 22.0148 022 TL 7 HRT FLRSHOCK 5580 0.7259 47.1600 22.0148 0.2502 1.2502 0.0087 0.0087 0.0087 0.0087 0.0087 0.0087 0.0087 0.0087 0.0087 0.0087 0.0087 0.0087 0.0087 0.0087 0.0087 0.0087 0.0087 0.0087 0.0087 0.0087 0.0087 0.0087 0.0087 0.0087 0.0087 0.0087 0.0087 0.0087 0.0087 0.0087 0.0087 0.0087 0.0087 0.0087 0.0087 0.0087 0.0087 0.0087 0.0087 0.0087 0.0087 0.0087 0.0087 0.0087 0.0087 0.0087 0.0087 0.0087 0.0087 0.0087 0.0087 0.0087 0.0087 0.0087 0.0087 0.0087 0.0087 0.0087 0.0087 0.0087 0.0087 0.0087 0.0087 0.0087 0.0087 0.0087 0.0087 0.0087 0.0087 0.0087 0.0087 0.0087 0.0087 0.0087 0.0087 0.0087 0.0087 0.0087 0.0087 0.0087 0.0087 0.0087 0.0087 0.0087 0.0087 0.0087 0.0087 0.0087 0.0087 0.0087 0.0087 0.0087 0.0087 0.0087 0.0087 0.0087 0.0087 0.0087 0.0087 0.0087 0	Order	DRG	Frequency	Percent	Cumulative Percent	Mean Length of Stay
002 373 VAG DEL*COMPL DX 55535 11.2739 22.8317 5.5560 203 183 MSC DIG DIS, A<70 15038 3.0473 25.8791 3.6502 204 184 MSC DIG DIS, A<18 8886 1.8007 27.6797 3.7896 205 467 OTH HLTH FACTORS 7820 1.5847 29.26448 2.2989 207 088 CHRN PULH OBSTR 6995 1.4175 32.2023 12.5674 208 167 APPINOC*OHP DX*AC 6652 1.4880 33.5502 5.8161 209 364 DAC, CONZTN*MALIG 6186 1.2535 34.8038 2.3109 209 364 DAC, CONZTN*MALIG 6186 1.2535 34.8038 2.3109 210 224 3 MED BACK PROBS 5571 1.1289 38.2448 8.2504 211 2243 MED BACK PROBS 5571 1.1289 38.2448 8.2504 213 371 CESAREAN, **CC 5068 1.0270 39.2718 10.9611 21 2243 MED BACK PROBS 5571 1.1289 38.2448 8.2504 213 371 CESAREAN, **CC 5068 1.0270 39.2718 10.9611 21 2243 MED BACK PROBS 5571 1.289 38.2448 8.2504 213 371 CESAREAN, **CC 5068 1.0270 39.2718 10.9611 21 21 2243 MED BACK PROBS 5571 1.289 38.2448 8.2504 213 371 CESAREAN, **CC 5068 1.0270 39.2718 10.9611 21 21 2243 MED BACK PROBS 5571 1.289 38.2448 8.2504 21 2.502 5.0087 21 22 228 MED BACK PROBS 5571 1.289 38.2448 8.2504 21 2.502 5.0087 21 21 22 24 MED BACK PROBS 5571 1.289 38.2448 8.2504 21 2.502 5.0087 21 22 22 23 24 22 25 25 25 25 25 25 25 25 25 25 25 25	001	391 NORMAL NEWBORNS	57036	11 5578	11 5578	4 7294
003 183 MSC DIG DIS, A-70 1004 184 MSC DIG DIS, A-18 8086 1.8007 27.6797 3.7896 005 467 OTH HLTH FACTORS 005 467 OTH HLTH FACTORS 006 270 OTH SKN PR A CC 07503 1.5204 30.7848 2.2889 007 088 CHRN PULH OBSTR 095 1.4175 32.2023 12.5674 008 167 APPNDC CMP DX AC 009 364 DEC, CONZIN MALIG 168 1.2535 34.8038 2.3109 100 030 TR ST, CHAAL, A-18 5767 1.1686 35.9724 2.0546 011 098 BRNCHASATH A-17 012 243 MED BACK PROBS 013 371 CESAREAN, "CC 0564 1.1435 37.1159 4.5098 1013 371 CESAREAN, "CC 0564 1.2899 38.2448 8.2504 013 371 CESAREAN, "CC 0566 1.270 39.2718 10.9661 014 182 MSC DGSTV DIS, AC 015 143 CHEST PAIN 016 060 TNSECT, ADCT A-18 017 070 OMBURI, A-18 018 029 TR ST, CHAAL, A-70 019 466 UNRELATED OR PRO 020 284 MIN SKIN DIS A C 021 127 HRT FLRESHOCK 022 284 MINS KIN DIS A C 023 122 CRC DIS, AMISCV 033 122 CRC DIS, AMISCV 034 125 0.7259 46.4349 13.6558 025 140 ANGINA PECTORIS 026 098 SNPL PINGUEL A C 027 254 OTH FLRESHOCK 028 098 SNPL PINGUEL A C 029 355 NON-RAD HYST*A C 030 119 VEIN LGYNASCHEKCK 1564 0.519 5.5003 7.4190 030 119 VEIN LGYNASCHEKCK 1577 0.246 0.5519 6.4180 2.8279 040 097 BRNCHASTEN AC18 040 097 BRNCHASTEN AC18 041 029 55 CREMD NA AC19 040 097 BRNCHASTEN AC18 041 029 55 CREMD NA AC19 042 252 FK, SPRN, DIS AC1 044 082 RESP NEOPLASTEN 045 0.5519 0.4602 5.59611 1.4267 046 097 BRNCHASTEN AC18 047 048 0.551 0.4702 5.5003 7.8251 048 062 WYRINGOTOMY AC18 049 049 047 OTH SET FLOREACC 040 049 040 047 BRNCHASTEN AC18 041 049 040 047 BRNCHASTEN AC18 043 044 0482 RESP NEOPLASMS 044 048 RESP NEOPLASMS 045 0.4191 58.5614 12.8322 044 082 RESP NEOPLASMS 046 0.4191 58.5614 12.8322 047 040 097 BRNCHASTEN AC18 047 048 082 RESP NEOPLASMS 048 0.4191 58.5614 12.8322 049 049 047 OTH SET BLOCK 049 049 049						
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035 410 CHEMOTHERAPY 2398 0.4859 54.5383 3.4545 036 189 OTH DGST DX,A<70 2395 0.4853 55.0237 2.8618 037 262 BRST BIOP&EXC*ML 2355 0.4772 55.5009 2.4510 038 062 MYRINGOTOMY A<18 2271 0.4602 55.9611 1.4267 039 450 TOX EFF,DRG,A<70 2255 0.4570 56.4180 2.8279 040 097 BRNCH&ASTH A<70 2246 0.4551 56.8732 7.4199 041 178 UNCMP PTC LCR*AC 2111 0.4278 57.3009 3.8295 042 252 FX,SPRN,DIS A<18 2081 0.4217 57.7226 1.6646 043 451 TOX EFF,DRG,A<18 2081 0.4217 57.7226 1.6646 043 451 TOX EFF,DRG,A<18 2071 0.4197 58.1423 1.8378 044 082 RESP NEOPLASMS 2068 0.4191 58.5614 12.8322 045 198 TOT CHLST*CDE*AC 2066 0.4187 58.9800 12.0707 046 134 HYPERTENSION 2055 0.4164 59.3965 7.1835 047 340 TSTS PR*MLG,A<18 2052 0.4158 59.8123 3.4898 048 256 OTH DX,MSCL&CONN 2044 0.4142 60.2265 5.0318 049 047 OTH EYE DS,A>17* 2026 0.4106 60.6370 5.6436 050 125 CRC*AMI,CCT*CPLX 1994 0.4041 61.0411 2.7141	034	247 SGNS&SYMP, MSCLSK	2564			
037		410 CHEMOTHERAPY	2398	0.4859	54.5383	
038  062 MYRINGOTOMY A<18  2271  0.4602  55.9611  1.4267 039  450 TOX EFF, DRG, A<70  2255  0.4570  56.4180  2.8279 040  097 BRNCH&ASTH A<70  2246  0.4551  56.8732  7.4199 041  178  UNCMP PTC LCR AC  2111  0.4278  57.3009  3.8295 042  255  FX, SPRN, DIS A<18  2081  0.4217  57.7226  1.6646 043  451 TOX EFF, DRG, A<18  2071  0.4197  58.1423  1.8378 044  082  RESP NEOPLASMS  2068  0.4191  58.5614  12.8322 045  198 TOT CHLST CDE AC  2066  0.4187  58.9800  12.0707 046  134  HYPERTENSION  2055  0.4164  59.3965  7.1835 047  340  TSTS PR MLG, A<18  2052  0.4158  59.8123  3.4898 048  256  OTH DX, MSCL&CONN  2044  0.4142  60.2265  5.0318 049  047  OTH EYE DS, A>17  2026  0.4106  60.6370  5.6436 050  125  CRC AMI, CCT CPLX  1994  0.4041  61.0411  2.7141		189 OTH DGST DX,A<70	2395	0.4853	55.0237	2.8618
038		262 BRST BIOP&EXC~ML	2355	0.4772	55.5009	2.4510
040 097 BRNCH&ASTH A<70 2246 0.4551 56.8732 7.4199 041 178 UNCMP PTC LCR"AC 2111 0.4278 57.3009 3.8295 042 252 FX,SPRN,DIS A<18 2081 0.4217 57.7226 1.6646 043 451 TOX EFF,DRG,A<18 2071 0.4197 58.1423 1.8378 044 082 RESP NEOPLASMS 2068 0.4191 58.5614 12.8322 045 198 TOT CHLST"CDE"AC 2066 0.4187 58.9800 12.0707 046 134 HYPERTENSION 2055 0.4164 59.3965 7.1835 047 340 TSTS PR"MLG,A<18 2052 0.4158 59.8123 3.4898 048 256 OTH DX,MSCL&CONN 2044 0.4142 60.2265 5.0318 049 047 OTH EYE DS,A>17" 2026 0.4106 60.6370 5.6436 050 125 CRC"AMI,CCT"CPLX 1994 0.4041 61.0411 2.7141	038		2271	0.4602	55.9611	
041 178 UNCMP PTC LCR"AC 2111 0.4278 57.3009 3.8295 042 252 FX,SPRN,DIS A<18 2081 0.4217 57.7226 1.6646 043 451 TOX EFF,DRG,A<18 2071 0.4197 58.1423 1.8378 044 082 RESP NEOPLASMS 2068 0.4191 58.5614 12.8322 045 198 TOT CHLST"CDE"AC 2066 0.4187 58.9800 12.0707 046 134 HYPERTENSION 2055 0.4164 59.3965 7.1835 047 340 TSTS PR"MLG,A<18 2052 0.4158 59.8123 3.4898 048 256 OTH DX,MSCL&CONN 2044 0.4142 60.2265 5.0318 049 047 OTH EYE DS,A>17" 2026 0.4106 60.6370 5.6436 050 125 CRC"AMI,CCT"CPLX 1994 0.4041 61.0411 2.7141	039	450 TOX EFF, DRG, A<70	2255	0.4570	56.4180	2.8279
042 252 FX,SPRN,DIS A<18 2081 0.4217 57.7226 1.6646 043 451 TOX EFF,DRG,A<18 2071 0.4197 58.1423 1.8378 044 082 RESP NEOPLASMS 2068 0.4191 58.5614 12.8322 045 198 TOT CHLST CDE AC 2066 0.4187 58.9800 12.0707 046 134 HYPERTENSION 2055 0.4164 59.3965 7.1835 047 340 TSTS PR MLG,A<18 2052 0.4158 59.8123 3.4898 048 256 OTH DX,MSCL&CONN 2044 0.4142 60.2265 5.0318 049 047 OTH EYE DS,A>17 2026 0.4106 60.6370 5.6436 050 125 CRC AMI, CCT CPLX 1994 0.4041 61.0411 2.7141			2246	0.4551	56.8732	7.4199
043 451 TOX EFF,DRG,A<18 2071 0.4197 58.1423 1.8378 044 082 RESP NEOPLASMS 2068 0.4191 58.5614 12.8322 045 198 TOT CHLST~CDE~AC 2066 0.4187 58.9800 12.0707 046 134 HYPERTENSION 2055 0.4164 59.3965 7.1835 047 340 TSTS PR~MLG,A<18 2052 0.4158 59.8123 3.4898 048 256 OTH DX,MSCL&CONN 2044 0.4142 60.2265 5.0318 049 047 OTH EYE DS,A>17~ 2026 0.4106 60.6370 5.6436 050 125 CRC~AMI,CCT~CPLX 1994 0.4041 61.0411 2.7141			2111	0.4278	57.3009	3.8295
044 082 RESP NEOPLASMS 2068 0.4191 58.5614 12.8322 045 198 TOT CHLST~CDE~AC 2066 0.4187 58.9800 12.0707 046 134 HYPERTENSION 2055 0.4164 59.3965 7.1835 047 340 TSTS PR~MLG,A<18 2052 0.4158 59.8123 3.4898 048 256 OTH DX,MSCL&CONN 2044 0.4142 60.2265 5.0318 049 047 OTH EYE DS,A>17" 2026 0.4106 60.6370 5.6436 050 125 CRC~AMI,CCT~CPLX 1994 0.4041 61.0411 2.7141			2081	0.4217	57.7226	1.6646
045 198 TOT CHLST~CDE~AC 2066 0.4187 58.9800 12.0707 046 134 HYPERTENSION 2055 0.4164 59.3965 7.1835 047 340 TSTS PR~MLG,A<18 2052 0.4158 59.8123 3.4898 048 256 OTH DX,MSCL&CONN 2044 0.4142 60.2265 5.0318 049 047 OTH EYE DS,A>17 2026 0.4106 60.6370 5.6436 050 125 CRC~AMI,CCT~CPLX 1994 0.4041 61.0411 2.7141			2071	0.4197		
046 134 HYPERTENSION 2055 0.4164 59.3965 7.1835 047 340 TSTS PR MLG,A<18 2052 0.4158 59.8123 3.4898 048 256 OTH DX,MSCL&CONN 2044 0.4142 60.2265 5.0318 049 047 OTH EYE DS,A>17 2026 0.4106 60.6370 5.6436 050 125 CRC AMI,CCT CPLX 1994 0.4041 61.0411 2.7141				0.4191		12.8322
047 340 TSTS PR MLG,A<18 2052 0.4158 59.8123 3.4898 048 256 OTH DX,MSCL&CONN 2044 0.4142 60.2265 5.0318 049 047 OTH EYE DS,A>17 2026 0.4106 60.6370 5.6436 050 125 CRC AMI,CCT CPLX 1994 0.4041 61.0411 2.7141					58.9800	
048 256 OTH DX,MSCL&CONN 2044 0.4142 60.2265 5.0318 049 047 OTH EYE DS,A>17" 2026 0.4106 60.6370 5.6436 050 125 CRC"AMI,CCT"CPLX 1994 0.4041 61.0411 2.7141				0.4164	59.3965	7.1835
049 047 OTH EYE DS,A>17" 2026 0.4106 60.6370 5.6436 050 125 CRC"AMI,CCT"CPLX 1994 0.4041 61.0411 2.7141					59.8123	3.4898
050 125 CRC AMI, CCT CPLX 1994 0.4041 61.0411 2.7141					60.2265	5.0318
Are Are				0.4106	60.6370	5.6436
051 055 MISC EAR,NS,THRT 1982 0.4016 61.4427 3.7508						2.7141
	051	055 MISC EAR, NS, THRT	1982	0.4016	61.4427	3.7508

1986

Order	DRG	Frequency	Percent	Cumulative Percent	Mean Length of Stay
052	102 OTHR RSP DX A<70	1929	0.3909	61.8336	10.3976
	162 ING&FML HRN,A<70	1877	0.3803	62.2140	6.6889
053				62.5876	9.5184
054	395 RED BLD CL,A>17	1844	0.3736		
055	422 VRL ILL, FVR, A<18	1831	0.3710	62.9587	3.8280
056	369 MNSTRL&OTH F RPR	1813	0.3673	63.3261	3.3431
057	187 DNTL EXTRERESTOR	1764	0.3574	63.6835	1.7528
058	209 MJR JOINT PROCS	1757	0.3560	64.0396	23.2891
059	251 FX,SPRN,DIS A<70	1753	0.3552	64.3948	2.5813
060	101 OTHR RSP DX A CC	1712	0.3469	64.7417	12.7336
061	281 SKN TRMA,A<70	1709	0.3463	65.0880	3.0246
062	091 SMPL PNEU&P A<18	1701	0.3446	65.4327	9.5644
063	041 XTROC PR A<18	1698	0.3440	65.7768	2.4258
064	073 OTH E,N,T A>17	1675	0.3394	66.1162	3.4842
065	324 URNRY STONES A C	1662	0.3367	66.4530	4.3634
066	326 KID&UR S&S,A<70	1662	0.3367	66.7898	3.9176
067	322 KID&UR INF,A<18	1648	0.3339	67.1238	4.2700
068	321 KID&UR INF,A<70	1624	0.3290	67.4528	4.7611
069	158 ANAL PROCS "A CC	1610	0.3262	67.7791	5.5528
070	390 NEON, OTH SIG PRB	1580	0.3201	68.0993	4.8329
071	249 AFTERCARE, MSCLSK	1559	0.3159	68.4152	2.5773
072	445 MLTPL TRMA,A<70	1500	0.3039	68.7191	3.2267
073	072 NSL TR & DEFORM	1467	0.2972	69.0164	1.9836
074	255 OTH FX,SPR A<18	1462	0.2962	69.3127	3.3673
075	175 GI HMRRHG~A CC	1445	0.2928	69.6055	3.9170
076	133 ATHRSCLROSIS~A C	1443	0.2924	69.8979	7.8669
077	298 MISC MET DS,A<18	1414	0.2865	70.1844	8.5658
078	234 OTH MSCL&CONN~AC	1413	0.2863	70.4708	8.9349
079	343 CIRCUMCSION, A<18	1386	0.2808	70.7516	1.7489
080	360 VGNA, CRVX&VLV PR	1379	0.2794	71.0311	6.0334
081	139 ARRHYTH&CNDC~A C	1373	0.2782	71.3093	5.7385
082	015 TRANS ISCHEM ATT	1369	0.2774	71.5867	8.2907
083	138 ARRHYTH&CNDC,A C	1360	0.2755	71.8623	9.5794
084	012 DEGENR NRVS DIS	1338	0.2711	72.1334	21.9895
085	282 SKN TRMA,A<18	1315	0.2664	72.3999	2.4837
086	229 HAND PR~GANGLION	1312	0.2658	72.6658	4.0739
087	132 ATHRSCLROSIS,A C	1308	0.2650	72.9308	11.2317
088	130 PRPHL VSC DIS,AC	1299	0.2632	73.1941	14.4188
089	236 FRAC OF HIP&PLVS	1257	0.2547	73.4488	11.7717
090	090 SMPL PNEU&P A<70	1252	0.2537	73.7025	11.8490
091	358 UTRS&ADNEXA~MLG	1244	0.2520	73.9546	6.5305
092	028 TR ST, CMA<1, A&   C	1229	0.2490	74.2036	4.8918
093	210 HIP&FEMUR PR,A C	1227	0.2486	74.4523	24.3244
094	074 OTH E,N,T A<18	1225	0.2482	74.7005	2.6669
095	385 NEONTS, DIED   XFRD	1222	0.2476	74.9481	1.1637
096	190 OTH DGST DX,A<18	1215	0.2462	75.1943	3.8000
097	404 LYMPH LEUK,A<70	1200	0.2431	75.4375	9.0275
098	336 TRNSUR PRSTCT, AC	1196	0.2423	75.6799	13.5151
099	278 CELLULITIS,A<70	1194	0.2419	75.9218	5.8727
100	163 HERNIA PROC,A<18	1193	0.2417	76.1636	2.6957
101	266 SKN GRFT~ULCR~CC	1178	0.2387	76.4023	5.9983
102	066 EPISTAXIS	1157	0.2344	76.6367	3.9179

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Order	DRG	Frequency	Percent	Cumulative Percent	Mean Length of Stay
103	059 TNSECT, ADCT A>17	1147	0.2324	76.8692	5.2380
	040 XTROC PR A>=18	1128	0.2285	77.0977	3.4734
104		1127	0.2283	77.3261	6.1473
105	295 DIABETES AGE<36	1081	0.2190	77.5452	9.3469
106	131 PRPHL VSC DIS AC	1081	0.2190	77.7642	4.2303
107	142 SYNCP&CLLPS, ALC	1078	0.2190	77.9827	5.1920
108	100 RSP SGN&SY A<70	1078	0.2162	78.1989	8.8922
109	225 FOOT PROCS	1057	0.2162	78.4131	2.6954
110	361 LAPSCPY&ENDSC,FE	1051	0.2111	78.6261	14.5737
111	172 DGSTV MALIG,A CC		0.2129	78.8350	4.2619
112	069 OMEURI,A18-69°C	1031	0.2066	79.0417	8.1931
113	325 KIDAUR SGASY,A C	1020 1014	0.2054	79.2471	4.2682
114	227 SOFT TISS PR A C		0.2006	79.4478	12.5485
115	128 DP VN THRMBPHLEB	990		79.6461	9.1410
116	035 OTH NRVS DIS, AC	979 073	0.1983	79.8431	2,5957
117	446 MLTPL TRMA,A<18	972	0.1969		7.9112
118	123 CRC DIS, AMI, XPRD	968	0.1961	80.0393	8.6347
119	179 INFLM BOWEL DIS	950	0.1925	80.2318	6.1021
120	208 BLRY TR DIS"A CC	950	0.1925	80.4243 80.6121	7.4099
121	301 ENDCRN DIS"A CC	927	0.1878		12,2400
122	241 CONN TISS DIS AC	925	0.1874	80.7996	5.3971
123	332 OTH KID&UR,A<70	894	0.1811	80.9807	18.1742
124	320 KIDSUR INF, A CC	890	0.1803	81.1611	
125	058 T&A TNS,AD A<18	887	0.1797	81.3408	3.0710 18.8973
126	235 FRACTR OF FEMUR	886	0.1795	81.5204	8.1129
127	269 OTH SKN PR AICC	877	0.1777	81.6981 81.8738	13.5490
128	316 RENAL FLR DLYSIS	867	0.1756	82.0444	8.4276
129	171 OTH DGSTV PR A C	842	0.1706	82.2146	8.6619
130	174 GI HMRRHG,A CC	840	0.1702	82.3816	10.2403
131	337 TRNSUR PRSTCT AC	824	0.1669 0.1627	82.5443	12.7061
132	403 LYMPH LEUK,A CC	803 784	0.1588	82.7032	4.2819
133	389 FULL TRM NN, PRBS	775	0.1570	82.8602	14.7187
134	121 CRC DIS,AMI&E,CC	764	0.1548	83.0151	8.5524
135	177 UNCMP PTC LCR,AC	762	0.1544	83.1695	5.3451
136	339 TSTS PR~MLG,A>17	751	0.1544	83.3216	10.8256
137	161 ING&FML HRN,A CC	751 751	0.1521	83.4738	7.5619
138	297 MISC MET DS,A<70	746	0.1511	83.6250	16.3204
139	215 BACKENECK PR A C	742	0.1503	83.7754	7.9771
140	283 MNR SKIN DIS,A C	731	0.1481	83.9235	3.0616
141	359 TUBAL INTRRP MLG	727	0.1473	84.0708	9.9010
142	253 OTH FX,SPR A CC	716	0.1450	84.2159	10.1117
143	356 FEM RPR RCNST PR 352 OTH ML REPRO DX	709	0.1436	84.3596	3.2863
144		705	0.1428	84.5024	9.9135
145	460 NON-EXT BRN OR P 426 DEPRSV NEUROSES	703	0.1424	84.6449	11.9232
146	071 LARYNGOTRCHEITS	699	0.1416	84.7865	3.1445
147	188 OTH DGSTV DX,A C	698	0.1414	84.9280	7.3983
148	096 BRNCH&ASTH A CC	695	0.1408	85.0688	11.2273
149		693	0.1404	85,2092	5,4372
150	185 DNTL DIS~XT,A>17	691	0.1404	85.3493	2.9161
151	186 DNTL DIS~XT,A<18	684	0.1386	85.4879	11.8085
152	268 SKN, SUBCTABR PLS	683	0.1384	85.6263	14.7233
153	155 STM, ESO, DD A<70	003	V.1304	05,0203	17./233

Order	DRG	Frequency	Percent	Cumulative Percent	Mean Length of Stay
154	020 NRV INF ~VRL MNG	678	0.1373	85.7637	12.0546
155	239 PATH FRAMSCL MLG	674	0.1365	85.9003	8.4154
156	279 CELLULITIS,A<18	674	0.1365	86.0368	4.4659
157	464 SIGNS&SYMPTMS~CC	665	0.1347	86.1716	6.5850
158	173 DGSTV MALIG ALCC	662	0.1341	86.3057	10.8369
159	141 SYNCP&CLLPS,A CC	661	0.1339	86.4397	7.0333
160	148 MJR BOWEL PR.AIC	660	0.1337	86.5734	25.6197
161	245 BONE DISEASE A C	659	0.1335	86.7070	7.6768
162	065 DYSEQUILIBRIUM	650	0.1317	86.8387	5.5492
163	430 PSYCHOSES	649	0.1315	86.9702	18.9522
164	305 KID, UR PR"MLG"AC	647	0.1311	87.1013	11.9165
165	222 KNEE PROCS A CC	632	0.1280	87.2294	8.0222
166	388 PREMTRTY MJR PRB	627	0.1270	87.3564	3.7241
167	333 OTH KID&UR,A<18	619	0.1254	87.4819	5.0210
168	350 MALE REPRO INFLM	619	0.1254	87.6073	4.5751
169	169 MOUTH PROCS AICC	590	0.1195	87.7269	4.0678
170	153 MNR BOWEL PR"A C	589	0.1193	87.8462	7.2954
171	250 FX,SPR ARM&FT,AC	584	0.1183	87.9646	4.3955
172	207 BLRY TR DIS,AICC	580	0.1175	88.0821	10.9276
173	021 VIRAL MENINGITIS	578	0.1171	88.1992	5.6661
174	435 DRUG USE"DEPNDNC	576	0.1167	88.3159	8.5417
175	024 SZR&HDACH A& CC	568	0.1151	88.4310	7.6884
176	013 MP SCLER&CRBL AT	557	0.1128	88.5439	12.5996
177	248 TNDNTS, MYSTS, BRS	557 553	0.1120	88.6560	14.1013
178	149 MJR BOWEL PR~A C	553 542 533	0.1098	88.7658	21.0756
179	274 MLG BRST DIS,A C	533	0.1080	88.8738	14.2702
180	421 VIRAL ILLNS,A>17	533	0.1080	88.9818	6.5872
181	206 OTH LIVER DIS AC	527	0.1067	89.0886	8.0398
182	048 OTH EYE DIS,A<18	526	0.1065	89.1952	3.0532
183	145 OTH CIRD DX, CC	526	0.1065	89.3018	9.1388
184	244 BONE DISEASE, A C	522 521	0.1057	89.4076	13.5785
185	470 UNGROUPABLE	521	0.1055	89.5131	10.3589
186	397 COAGULATION DSRD	510	0.1033	89.6165	6.4412
187	466 AFTRCR, DX2=MALIG	510	0.1033	89.7198	3.5549
188	064 ER, NS, THRT MALIG	507	0.1027	89.8226	12.9408
189	273 MJR SKN DIS~A CC	506	0.1025	89.9251	12.3913
190	093 INTRST LUNG TA,C	497	0.1007	90.0258	8.3139
191	296 MISC MET DIS,A C	495	0.1003	90.1261	11.7636
192	429 ORG DISTRB&M RET	495	0.1003	90.2264	19.5091
193	461 OR PR, DX=OTH CTC	491	0.0994	90.3259	4.2037
194	418 PSTOP&PSTTR INFC	486	0.0984	90.4244	8.0844
195	219 LWR XTRM PR,A<70	482	0.0976	90.5221	11.9979
196	425 PSYCHOSOC DYSFNC	481	0.0974	90.6196	6.8046
197	449 TOX EFF, DRGS, A   C	481	0.0974	90.7170	5.3992
198	290 THYROID PROCS	475	0.0962	90.8133	7.6758
199	056 RHINOPLASTY	473	0.0958	90.9091	4.6575
200	078 PULMNRY EMBOLISM		0.0956	91.0048	14.7055
201	280 SKN, SUBCT TR, AC	466	0.0944		6.0773
202	129 CARDIAC ARREST	465	0.0942	91.1934	11.7978
203	211 HIPEFMUR PR,A<70	465	0.0942	91.2877	21.6839
204	327 KID&UR S&S,A<18	464	0.0940	91.3817	4.8470

## APPENDIX 4

		1300			
Order	DRG	Frequency	Percent	Cumulative Percent	Mean Length of Stay
205	197 TOT CHLST~CDE,AC	462	0.0936	91.4753	20.5606
206			0.0919		5.5066
207	300 PMC/END/THMN7A/C	454 450	0.0919		
	134 REUS DEBENDETMEN ALC	450	0.0911	91.6585	4.3044
208	434 DRUG DEPENDENCE	448	0.0907	91.7493	2.8638
209	311 TRNSURETH PR"A C 399 RTCLEND&IMM"A C 434 DRUG DEPENDENCE 019 CRNL&PRPH "A,CC 367 FEM RPRO MLG"A C	44/	0.0905	91.8399 91.9298	9.6018
210	36 / FEM RPRO MLG A C	444	0.0899	91.9298	
211	342 CIRCUMCSION, A>17	442	0.0907 0.0905 0.0899 0.0895 0.0889 0.0871	92.0194	3.0882
212	348 BNGN PRST HYP, AC	439	0.0889	92.1084	9.3098
213	271 SKIN ULCERS	430	0.0871	92.1955	24.5721
214	001 CRNIOT A>=18 TR	427	0.0865	92.2820	21.4379
215	154 STM, ESO, DD PR, AC	425	0.0861	92.1084 92.1955 92.2820 92.3681	24.8965
216	405 LYMPH LEUK,A<18	424	0.0859	92.4541	0.0172
217	346 ML RPRO MLG,A CC	421	0.0861 0.0859 0.0853	92.5394	12.2233
218	136 CRDC CNG&VV,A<70	415	0.0840	92.6235	7.7831
219	203 HPTOBL PNC MALIG	407	0.0840 0.0824 0.0818	92.6235 92.7059 92.7878	15.1007
220	351 STERILIZATION, ML	404	0.0818	92.7878	1.0644
221	267 PRANL&PILONDL PR	400	0.0810	92.8689	8.1900
222	453 TRTMT CMPL"A CC	394	0.0798	92.8689 92.9487	4.9467
223	258 TOT MAST MLG~A C	392	0.0794	93.0281 93.1058 93.1828	13.5230
224	135 CRDC CNG&VLV,A C	383	0.0776	93.1058	11.7337
225	095 PNEUMOTHRX ~A,CC	380	0.0770	93.1828	7.5263
226	443 OTH OR PR, INJ AC	379	0.0768	93.2596	8.1530
227	276 ~MALIG BRST DIS	376	0.0761	93.3358	3.4654
228	165 APPNDC, CMP DX~AC	374	0.0757	93.4115	8.2059
229	318 KIDEUR NEOP, A CC	373	0.0755	93.3358 93.4115 93.4871	9.7346
230	204 PANC DIS "MALIG	372	0.0753	93.5625	11.6371
231	331 OTH KID&UR DX,AC	366	0.0818 0.0810 0.0798 0.0794 0.0776 0.0776 0.0757 0.0755 0.0753 0.0741 0.0731 0.0727 0.0727	93.5625 93.6367 93.7098	8.8415
232	099 RESP SGN&SY A CC	361	0.0731	93.7098	7.7285
233	011 NRVS NEOPL ~A,CC	359	0.0727	93.7826	10.6825
234	063 OTH E,N,T OR PR	359	0.0727	93.8553	11.4485
235	240 CONN TISS DIS,AC	359	0.0727	93.9281	17.6100
236	423 OTH INFEPAR DIS	355	0.0719	94.0000	8.8930
237	042 INTROC PR, R, I, L	344	0.0697	94.0697	10.7587
238	053 SNS&MAST PR A>17	344	0.0697	94.1394	5.6715
239	275 MLG BRST DIS"A C	344	0.0697	94.2091	9.6483
240	444 MLTPL TRAUMA, A C	336	0.0680	94.2772	8.3423
241	363 D&C,CON,R-I,MALG	335	0.0678	94.3451	11.9731
242	075 MJR CHEST PROCS	331	0.0670	94.4122	23.4139
243	238 OSTEOMYELITIS	324	0.0656	94.4778	11.2377
244	365 OTH FEM RPRO PR	315	0.0638	94.5417	11.4603
245	170 OTH DGSTV PR,A C	313	0.0634	94.6051	21.2492
246	277 CELLULITIS, AICC	307	0.0622	94.6673	12,2215
247	006 CARPL TUNNEL RLS	300	0.0607	94.7281	3.6833
248	116 PCMKR, "AMI CHF	295	0.0597	93.9281 94.0000 94.0697 94.1394 94.2091 94.2772 94.3451 94.4122 94.4778 94.5417 94.6651 94.7879	9.7492
249	300 ENDCRN DIS, A CC	295	0.0597 0.0597 0.0597 0.0591 0.0591 0.0583	94.7879 94.8477 94.9068	14.8915
250	112 MJR RCNST VSC AC	292	0.0591	94.9068	14.6678
251	310 TRNSURETH PR,AIC	292	0.0591	94.9660	7.3973
252	107 CRNRY BYPS, CCTH	288	0.0583	95.0244	13.8021
253	068 OMEURI, AE CC	284	0.0575	95.0819	8.6620
254	120 OTHER CRC OR PR	280	0.0567	95.1386	9.9571
255	399 RTCLEND&IMMN A C 434 DRUG DEPENDENCE 019 CRNL&PRPH A,CC 367 FEM RPRO MLG A C 342 CIRCUMCSION,A>17 348 BNGN PRST HYP,AC 271 SKIN ULCERS 001 CRNIOT A>=18 TR 154 STM,ESO,DD PR,AC 405 LYMPH LEUK,A<18 346 ML RPRO MLG,A CC 136 CRDC CNG&VV,A<70 203 HPTOBL PNC MALIG 351 STERILIZATION,ML 267 PRANL&PILONDL PR 453 TRTMT CMPL A CC 258 TOT MAST MLG A C 135 CRDC CNG&VLV,A C 095 PNEUMOTHRX A,CC 443 OTH OR PR,INJ AC 276 MALIG BRST DIS 165 APPNDC,CMP DX AC 318 KID&UR NEOP,A CC 004 PANC DIS MALIG 331 OTH KID&UR DX,AC 099 RESP SGN&SY A CC 011 NRVS NEOPL A,CC 063 OTH E,N,T OR PR 240 CONN TISS DIS,AC 423 OTH INF&PAR DIS 042 INTROC PR, R,I,L 053 SNS&MAST PR A>17 275 MLG BRST DIS A C 444 MLTPL TRAUMA,A C 363 D&C,CON,R-I,MALG 075 MJR CHEST PROCS 238 OSTEOMYELITIS 365 OTH FEM RPRO PR 170 OTH DGSTV PR,A C 277 CELLULITIS,A CC 106 CARPL TUNNEL RLS 116 PCMKR, AM CHF 300 ENDCRN DIS,A CC 112 MJR RCNST VSC AC 310 TRNSURETH PR,A C 107 CRNRY BYPS, CCTH 068 OM&URI, A& CC 112 TRNSURETH PR,A C 107 CRNRY BYPS, CCTH 068 OM&URI, A& CC 112 OTHER CRC OR PR 137 CRDC CNG&VV,A<18	260	0.0567 0.0567	94.9660 95.0244 95.0819 95.1386 95.1954	7.7250
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Order         DRG         Frequency         Percent         Cumulative percent         Mean Le of Sta           256         224 UPR XTRM PR~A CC         280         0.0567         95.2521         6.514           257         160 HRN~ING&FEM,A         70         279         0.0565         95.3087         7.774           258         230 RMVL,HIP&FEM DEV         275         0.0557         95.3644         9.269           259         319 KID&UR NEOF~A CC         274         0.0555         95.4199         6.226	3 2 1 3 2 4 0
257 160 HRN INGEFEM, AC70 279 0.0565 95.3087 7.774 258 230 RMVL, HIPEFEM DEV 275 0.0557 95.3644 9.269	2 1 3 2 4
257 160 HRN INGEFEM, AC70 279 0.0565 95.3087 7.774 258 230 RMVL, HIPEFEM DEV 275 0.0557 95.3644 9.269	2 1 3 2 4
258 230 RMVL, HIPAPEM DEV 275 0.0557 95.3644 9.269	1 3 2 4
	3 2 4 0
259 319 KIDBUK NEOF AICC 2/4 U.U555 95.4199 6.226	2 4 0
	0
260 396 RED BLD CL,A<18 274 0.0555 95.4754 6.664	0
261 202 CIRRHGALC HPTTIS 271 0.0549 95.5304 14.590	
262 045 NEUR EYE DISRDRS 269 0.0545 95.5849 5.881	5
263 328 URTHRL STRCT,A C 269 0.0545 95.6394 6.111	
264 329 URTHRL STRC,A<70 268 0.0543 95.6937 3.212	
265 017 NONSP CBC DIS CC 263 0.0532 95.7470 14.665	4
266 036 RETINAL PROCS 263 0.0532 95.8003 10.764	3
267 043 HYPHEMA 263 0.0532 95.8536 5.140	7
268 110 MJR RCSTR VSC,AC 261 0.0528 95.9065 26.559	4
269 181 GI OBSTRCTN A CC 255 0.0516 95.9581 5.886	3
270 368 FEM RPRO INFCTNS 255 0.0516 96.0098 4.725	.5
271 349 BNGN PRST HYP*AC 251 0.0508 96.0607 4.458	
272 144 OTH CIRC DX.CC 247 0.0500 96.1107 12.206	
273 008 OTH NRV PR A,CC 238 0.0482 96.1589 12.033	
274 180 GI OBSTRCTN,A CC 236 0.0478 96.2068 9.584	
275 034 OTH NRV DIS,A6 C 235 0.0476 96.2544 12.736	
276 054 SNSEMAST PR A<18 235 0.0476 96.3020 4.119	
279 341 PENIS PROCS 231 0.0468 96.4432 8.705	
280 113 AMP CRC UP LIMB 230 0.0466 96.4899 53.252	
281 440 WOUND DEBRD, INJR 230 0.0466 96.5365 5.730	
282 323 URNRY STONES,AIC 229 0.0464 96.5829 6.742	
283 400 LYMPH LEUK,MJ PR 229 0.0464 96.6293 16.790	
284 032 CONCSN A18-69°CC 226 0.0457 96.6751 2.385	
285 217 SKIN GRAFT HAND 225 0.0455 96.7207 10.506	7
286 156 STM,ESO,DD A<18 223 0.0451 96.7659 14.515	7
287 176 CMPL PEPTIC ULCR 223 0.0451 96.8110 7.013	5
288 299 INBORN MET ERROR 221 0.0447 96.8558 10.932	.1
289 111 MJR RCNST VSC,AC 220 0.0445 96.9004 18.990	9
290 335 MJR PELVIC PR~CC 220 0.0445 96.9450 19.409	1
291 080 RSP INF&INL A<70 218 0.0441 96.9892 15.105	5
292 044 ACUT MJR EYE INF 217 0.0439 97.0331 7.705	
293 246 ARTHROPATHIES, NS 217 0.0439 97.0771 9.152	
294 260 SUB MAST MLG A C 209 0.0423 97.1195 6.392	
295 003 CRNIOT A(18 208 0.0421 97.1616 22.471	
296 146 RECTAL RSCTN,A C 203 0.0411 97.2027 28.936	
297 394 OTH OR PR.BLOOD 203 0.0411 97.2439 4.960	
298 408 MYELO DISRDR,CC 201 0.0407 97.2846 6.900	
The state of the s	
302 061 MYRINGOTOMY A>17 189 0.0382 97.4441 2.127	
303 354 NON-RAD HYST,A C 189 0.0382 97.4824 16.899	
304 079 RSP INFEINFL A C 188 0.0380 97.5205 20.159	
305 459 NON-EXT BRN, DBRD 187 0.0378 97.5584 38.668	
306 347 ML RPRO MLG~A CC 186 0.0376 97.5961 8.236	6

Order	314 URETHRAL PR,A<18 431 CHILDHD MNTL DIS 152 MNR BOWEL PR,A C 272 MJR SKN DIS,A CC 362 LAPRSCPC TBL INT 366 FEM RPRO MLG,A C 038 PRIM IRIS PROCS 205 OTH LIVER DIS,AC 018 CRNL&PRPH A& CC 023 NONTR STPR&COMA 092 INTRST LUNG A CC 233 OTH MSCL&CONN,AC 313 URETHRAL PR,A<70 261 BRST PR*MLG*BIOP 109 CRDTHR PR,*PUMP 052 CLFT LIP&PLT REP 257 TOT MAST MLG,A C 147 RECTAL RSCTN*A C 146 APPNDC*CMP DX,AC 212 HIP&FMUR PR,A<18 413 OTH MYELO DIS,AC 402 LYMPH LEUK,MN*AC 428 PERS DIS&IMP CON 414 OTH MYELO DIS AC 402 LYMPH LEUK,MN*AC 428 PERS DIS&IMP CON 414 OTH MYELO DIS AC 407 OR RSP,*MJRCH,*C 077 OR RSP,*MJRCH,*C 078 PLM EDEMA&RSP FL 194 BLRY TR PR*CH*AC 151 PRTNL ADHESIS AC 1693 BLRY TR PR*CH*AC 193 BLRY TR PR*CH*AC 193 BLRY TR PR*CH*AC 193 BLRY TR PR*CH*AC 194 PRINL ADHESIS AC 109 SPINAL DIS&INJ 242 SEPTIC ARTHRITIS 398 RTCLEND&IMMN,A C 417 SEPTICEMIA,A<18 454 OTH INJ,TXC,A C 033 CONCUSSION A<18 086 PLRL EFFUSN A<70 094 PNEUMOTHRX A CC 415 OR PR,INF&PAR DS 304 KID,UR PF*MLG,AC 312 URETHRAL PR,A CC 415 OR PR,INF&PAR DS 304 KID,UR PF*MLG,AC 338 TESTES PR,MALIG 050 SIALOADENECTOMY 004 SPINAL PROCS 105 CRDC VLV W/P*CCT 220 LWR XTRM PR,A<18 433 SUBST-INDCD MNTL 456 BURNS, TRANSFERD	Frequency	Percent	Cumulative Percent	Mean Length of Stay
307	314 HDETHRAL DR AC18	185	0 0374	97 6336	5 3351
308	A21 CUILDED WERE DIE	105	0.0374	07 6710	6 6370
	153 WHO DOWER OF ALC	103	0.0374	97.0710	0.0376
309	132 MAR BOWEL PR,A/C	103	0.0370	97.7081	13.3950
310	2/2 MJR SKN DIS,AICC	191	0.0366	97.7448	16.3260
311	362 LAPRSCPC TBL INT	181	0.0366	97.7815	2.4/51
312	366 FEM RPRO MLG, A C	181	0.0366	97.8182	13.4309
313	038 PRIM IRIS PROCS	1/9	0.0362	97.8544	7.6145
314	205 OTH LIVER DIS, AC	1/9	0.0362	97.8907	14.5028
315	018 CRNLEPRPH AE CC	1/8	0.0360	97.9268	14.2416
316	023 NONTR STPR&COMA	176	0.0356	97.9624	7.2159
317	092 INTRST LUNG A CC	176	0.0356	97.9981	11.7784
318	233 OTH MSCL&CONN, AC	176	0.0356	98.0338	25.5341
319	313 URETHRAL PR,A<70	174	0.0352	98.0690	7.4885
320	261 BRST PRTMLGTBIOP	173	0.0350	98.1041	5.3410
321	109 CRDTHR PR, PUMP	172	0.0348	98.1389	19.2151
322	052 CLFT LIP&PLT REP	169	0.0342	98.1732	11.1893
323	257 TOT MAST MLG,A C	165	0.0334	98.2066	16.5212
324	147 RECTAL RSCTN~A C	164	0.0332	98.2399	23.3659
325	166 APPNDC CMP DX,AC	164	0.0332	98.2731	12.4268
326	212 HIP&FMUR PR,A<18	164	0.0332	98.3063	18.3780
327	413 OTH MYELO DIS,AC	158	0.0320	98.3383	14.6203
328	402 LYMPH LEUK,MN~AC	157	0.0318	98.3702	12.6497
329	428 PERS DIS&IMP CON	156	0.0316	98.4018	23.0513
330	414 OTH MYELO DISTAC	155	0.0314	98.4332	11.8581
331	077 OR RSP, MJRCH, C	153	0.0310	98.4642	14.3464
332	087 PLM EDEMA&RSP FL	149	0.0301	98.4944	10.8188
333	194 BLRY TR PR~CH~AC	140	0.0283	98.5227	15.0000
334	151 PRTNL ADHESLS~AC	139	0.0281	98.5509	11.0504
335	193 BLRY TR PR~CH,AC	134	0.0271	98.5781	21.7687
336	303 KID, UR, BL PR, MLG	134	0.0271	98.6052	23.6642
337	002 CRNIOT TR A>=18	131	0.0265	98.6318	13.7786
338	085 PLRL EFFUSN A& C	131	0.0265	98.6583	15.0840
339	009 SPINAL DISLINJ	130	0.0263	98.6847	7.8385
340	242 SEPTIC ARTHRITIS	130	0.0263	98.7110	15.1846
341	398 RTCLEND&IMMN,A C	130	0.0263	98.7373	6.5385
342	417 SEPTICEMIA,A<18	126	0.0255	98.7629	10.7778
343	454 OTH INJ, TXC, A   C	126	0.0255	98.7884	12.3333
344	033 CONCUSSION A<18	124	0.0251	98.8135	2.4758
345	086 PLRL EFFUSN A<70	123	0.0249	98.8385	9.4472
346	046 OTH EYE DS,A>17C	114	0.0231	98.8616	25.2632
347	094 PNEUMOTHRX A CC	114	0.0231	98.8847	12.7719
348	312 URETHRAL PR,A CC	114	0.0231	98.9078	8.3509
349	415 OR PR, INFEPAR DS	114	0.0231	98.9309	13.9386
350	304 KID,UR PR~MLG,AC	113	0.0228	98.9538	24.7522
351	338 TESTES PR, MALIG	113	0.0228	98.9767	10.3717
352	050 SIALOADENECTOMY	110	0.0222	98.9990	7.4545
353	004 SPINAL PROCS	108	0.0218	99.0208	25.0093
354	105 CRDC VLV W/P~CCT	108	0.0218	99.0427	16.9259
355	220 LWR XTRM PR,A<18	108	0.0218	99.0646	8.4167
356	433 SUBST-INDCD MNTL	107	0.0216	99.0863	2.5981
357	456 BURNS, TRANSFERD	107	0.0216	99.1080	14.5234

Order	DRG	Frequency	Percent	Cumulative Percent	Mean Length of Stay
358	259 SUB MAST MLG.A C	106	0.0214	99.1295	10.5849
359	401 LYMPHILEUK, MN, AC	95	0.0192	99.1487	17.5158
360		92	0.0192	99.1673	6.3370
	420 FEVER UNKN,A<70	90			
361	218 LWR XTRM PR,A CC	, ,	0.0182	99.1856	20.9667
362	221 KNEE PROCS,A CC	88	0.0178	99.2034	28.8636
363	159 HRNIA" ING& FEM, AC	87	0.0176	99.2210	15.6207
364	386 NEONTS, XTRM IMMT	84	0.0170	99.2381	6.6071
365	168 MOUTH PROCS, A CC	82	0.0163	99.2547	9.0122
366	226 SOFT TISS PR,A C	82	0.0162	99.2713	9.3902
367	432 OTH DX=MNTL DSRD	82	0.0166	99.2879	10.9512
368	442 OTH OR PR, INJ, AC	82	0.0166	99.3045	23.8415
369	016 NONSP CBV DIS,CC	79	0.0160	99.3205	16.0506
370	441 HAND PROC, INJURY	79	0.0160	99.3366	4.2025
371	037 ORBITAL PROCS	78	0.0158	99.3524	9.1667
372	452 TRTMT CMPL,A CC	78	0.0158	99.3682	10.3590
373	411 HIST MALG"ENDSCP	7	0.0154	99.3836	3.8947
374	315 OTH KID&URN PROC	5	0.0151	99.3988	17.7600
375	357 UTRS&ADNEXA, MALG	75	0.0151	99.4140	15.7067
376	010 NRVS NEOPL ALCC	72	0.0145	99.4286	18.2639
377	463 SIGNS&SYMPTMS,CC	71	0.0143	99.4429	11.3521
378	309 MNR BLDR PR"A CC	69	0.0139	99.4569	14.5942
379	005 XTRACRNL VASC PR	68	0.0137	99.4707	17.5147
380	412 HIST MALG, ENDSCP	68	0.0137	99.4845	2.0588
381	200 HPTOBL DX PR"MLG	66	0.0133	99.4979	21.5606
382	114 UP LIMBETOE AMP	62	0.0133	99.5104	25.3548
383	150 PRINL ADHESLS, AC	62	0.0125	99.5230	18.1290
383 384	020 NRV INF TVRL MNG	62	0.0125	99.5355	14.3871
		62			
385	047 OTH EYE DS,A>17		0.0125	99.5481	5.2419
386	099 RESP SGN&SY A CC	61	0.0123	99.5605	24.2295
387	291 THYROGLOSSAL PR	61	0.0123	99.5728	4.1967
388	124 CRC AMI, CCT&CPLX	60	0.0121	99.5850	5.6500
389	306 PROSTATECTOMY, AC	59	0.0119	99.5969	16.0169
390	126 ENDOCARDITIS	58	0.0117	99.6087	23.9483
391	192 MNR PNC, LVR, SHNT	58	0.0117	99.6205	18.6207
392	427 NEUROSES DEPRSV	57	0.0115	99.6320	11.9123
393	237 SPRN, STRN, DIS HP	56	0.0113	99.6434	17.0179
394	345 OTH ML REPROTMLG	56	0.0113	99.6547	10.0357
3 <del>9</del> 5	265 SKN GRFT~ULCR,CC	54	0.0109	99.6656	12.141
396	076 OR RSP, MJRCH, CC	53	0.0107	99.6764	17.770
397	419 FEVER UNKNWN,A C	53	0.0107	99.6871	11.302
398	084 MJR CHST TR A<70	52	0.0105	99.6977	45962
399	216 MUSCL&CONN BIOPS	51	0.0103	99.7080	1.4902
400	223 UPR XTRM PR,AICC	49	0.0099	99.7179	10.1429
401	007 OTH NRV PR ALICC	48	0.0097	99.7277	21.1250
402	057 T&A "TNS, AD A>17	47	0.0095	99.7372	5.1915
403	081 RSP INFEINL AC18	47	0.0095	99.7467	17.4043
404	214 BACKENECK PR,A C	47	0.0095	99.7562	24.0638
405	264 SKN GRFT, ULCR AC	47	0.0095	99.7657	23.2979
406	387 PREMTRTY, MJR PRB	47	0.0095	99.7753	4.4255
407	031 CONCUSSION A& CC	44	0.0089	99.7842	3.2045
408	353 PLVC EVISC, R HYS	42	0.0085	99.7927	20.4762
400	JJJ FBTC GVIDC,R HIS	74	0.0003	23.1341	20.4/02

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Order	DRG	Frequency	Percent	Cumulative Percent	Mean Length of Stay
409	392 SPLENECTOMY, A>17	42	0.0085	99.8012	25.8095
410	051 SALV GLND PR"SIA	40	0.0081	99.8093	5.8250
411	164 APPNDC, CMP DX, AC	39	0.0079	99.8172	16.3846
412	448 ALLRGC READ, A<18	39	0.0079	99.8251	2.0513
413	307 PROSTATECTOMY AC	38	0.0077	99.8328	12.7632
414	370 CESAREAN, CC	38	0.0077	99.8405	12.2105
415	191 MJR PNC, LVR, SHNT	37	0.0074	99.8480	24.9189
416	263 SKN GRFT, ULCR, AC	37	0.0074	99.8555	34.5405
417	286 ADRNL&PIT PROCS	37	0.0074	99.8630	19.2703
418	049 MJR HD&NECK PROC	36	0.0072	99.8700	34.9167
419	117 PCMKR REP PLSGN	36	0.0072	99.8780	6.8611
420	407 MYELO DIS,OR, CC	36	0.0072	99.8850	8.4167
421	067 EPIGLOTTITIS	34	0.0068	99.8920	4.7941
422	213 MUSCL&CN TIS AMP	33	0.0066	99.8980	27.2121
423	293 OTH E,N,M PR~A C	32	0.0064	99.9050	6.1250
424	308 MNR BLDR PR,A   CC	32	0.0064	99.9110	14.0313
425	424 OR PR.DX1-MENTAL	31	0.0062	99.9180	39.6452
426	083 MJR CHST TR A& C	30	0.0060	99.9240	18.0333
427	334 MJR PELVIC PR,CC	30	0.0060	99.9300	26.0000 2.5172
428	317 RENAL FLR, DLYSIS	29 28	0.0058	99.9360 99.9410	18.4286
429	406 MYELO DIS,OR,CC		0.0056 0.0056	99.9470	4.9643
430	465 AFTRCR,DX2=MALIG	28 27	0.0054	99.9530	12.8519
431	115 PCMKR, AMI OR CHF	25	0.0050	99.9580	16.2400
432	289 PARATHYROID PROC 344 OTH ML REPRO, MLG	24	0.0048	99.9630	19.9583
433 434	330 URTHRL STRC,A<18	22	0.0044	99.9670	3.9091
434	292 OTH E.N.M PR.A C	19	0.0038	99.9710	20.0000
435	288 OBESITY OR PROCS	16	0.0032	99.9740	10.1875
437	195 TOT CHLST, CDE, AC	15	0.0030	99.9770	19.6667
439	393 SPLENECTOMY,A<18	13	0.0026	99.9830	12.0000
440	285 END, NUTR, MET AMP	11	0.0022	99.9850	50.5455
441	302 KIDNEY TRANSPLNT	11	0.0022	99.9870	12.1818
442	106 CRNRY BYPS W/CCT	9	0.0018	99.9890	24.8889
443	439 SKIN GRAFTS, INJR	9	0.0018	99.9910	4.3333
444	458 NON-EXT BRN, GRFT	9	0.0018	99.9930	33.4444
445	022 HYPRTNS ENCPHLOP	8	0.0016	99.9940	14.8750
446	457 EXTENSIVE BURNS	7	0.0014	99.9960	39.1429
447	196 TOT CHLST, CDE AC	6 6 5 2	0.0012	99.9970	14.6667
448	228 HAND GANGLION PR	6	0.0012	99.9980	1.5000
449	118 PULSE GEN REPL	5	0.0010	99.9990	5.0000
450	103 HEART TRANSPLANT		0.0004	99.9990	34.0000
451	104 CRDC VLV W/P,CCT		0.0004	100.0000	
452	287 SKN GRFTS, EN, N, M	1	0.0002	100.0000	13.0000

1987 (BIRTHS ARE EXCLUDED FROM THIS DATA)

Order	DRG	Frequency	Percent	Cumulative Percent	Mean Length of Stay
1	183 MSC DIG DIS,A<70	14205	4.16	4.16	3.30
Ž	184 MSC DIG DIS,A<18		2.62	6.78	3.61
3	467 OTH HLTH FACTORS		2.25	9.03	
4	270 OTH SKN PR A CC	6497	1.90		2.69
5				10.93	1.93
6	167 APPNDC~CMP DX~AC 364 D&C,CONZTN~MALIG	0133	1.79	12.72	5.27
7	098 BRNCH&ASTH A<17	6062 5999	1.77	14.49	2.06
8			1.76	16.25	4.45
9	088 CHRN PULM OBSTR	5773	1.69	17.94 19.54	11.76
10	030 TR ST,CMA<1,A<18 243 MED BACK PROBS	5482	1.60		
11	243 MED BACK PROBS	4997	1.46	21.00	7.44
12	030 CHEST PAIN	4655	1.36	22.36 23.70	4.72
13	070 OMEURI, ACIB	4581	1.34	23.70	3.55
	182 MSC DGSTV DIS,AC	4578	1.34	25.04 26.31	6.32
14 15	029 TR ST,CMACI,AC/U	4333	1.27	26.31	2.34
	243 MED BACK PROBS 143 CHEST PAIN 070 OMEURI, A<18 182 MSC DGSTV DIS,AC 029 TR ST,CMA<1,A<70 060 TNSECT,ADCT A<18	3995	1.17	27.48	3.48
16	029 TR ST,CMA<1,A<70 060 TNSECT,ADCT A<18 468 UNRELATED OR PRO 014 SPEC CRBRVSC DIS 122 CRC DIS,AMI6CV 410 CHEMOTHERAPY	3593	1.05	28.53	
17	UI4 SPEC CRBRVSC DIS	3366	0.98	29.51	20.89
18	122 CRC DIS, AMIACV	3225	0.94	30.45	11.60
19	410 CHEMOTHERAPY 127 HRT FLR&SHOCK 284 MNR SKIN DISTA C 039 LENS PROCS	3157	0.92	31.37	2.92
20	127 HRT FLRESHOCK	3141	0.92	32.29	12.54
21	284 MNR SKIN DISTAIC	3072	0.90	33.19	3.30
22			0.89	34.08	6.14
23	294 DIABETES AGE>35	2900	0.85	34.93	7.35
24	294 DIABETES AGE>35 355 NON-RAD HYST~A C 140 ANGINA PECTORIS 026 SZR&HD A<17,~CC	2745	0.80	35.73 36.53	10.75
25	140 ANGINA PECTORIS	2727	0.80	36.53	7.31
26	026 SZR&HD A<17, CC 254 OTH FX, SPR A<70 247 SGNS&SYMP, MSCLSK	2676	0.78	37.31 38.05 38.76 39.47	4.06
27	254 OTH FX, SPR A<70	2524	0.74	38.05	4.46
28	247 SGNS&SYMP, MSCLSK	2443	0.71	38.76	4.83
29	119 VEIN LGTN&STRPNG	2425	0.71	39.47	3.94
30	119 VEIN LGTN&STRPNG 025 SZR&HD A18-69°CC 089 SMPL PNEU&PL A C 262 BRST BIOP&EXC ML 450 TOX EFF, DRG, A<70 189 OTH DGST DX, A<70	2399	0.70	40.17	4.59
31	089 SMPL PNEU&PL A C	2381	0.70	40.87 41.53 42.18	19.91
32	262 BRST BIOP&EXCTML	2256	0.66	41.53	2.14
33	450 TOX EFF, DRG, A<70	2220	0.65	42.18	2.66
34	189 OTH DGST DX,A<70	2152	0.63	42.81	2.68
35	231 RMVL"HIP&FEM DEV 097 BRNCH&ASTH A<70	2120	0.62	41.53 42.18 42.81 43.43 44.04	3.66
36	097 BRNCH&ASTH A<70	2094	0.61	44.04	6.78
37	252 PX,SPRN,DIS A<18 062 MYRINGOTOMY A<18 340 TSTS PR~MLG,A<18	2054	0.60	44.64	1.51
38	062 MYRINGOTOMY A<18	1991	0.58	45.22	1.28
39	340 TSTS PR~MLG,A<18	1933	0.57	45.79	2.93
40	I IN LINCMP PTC 1.CP AC	1015	0.56	46.35	3.37
41	198 TOT CHLST CDE AC	1913	0.56	46.91	11.36
42	162 ING&FML HRN,A<70	1907	0.56	47.47	5.94
43	451 TOX EFF, DRG, A<18	1847	0.54	48.01	1.69
44	134 HYPERTENSION	1847 1836 1797 1730 1721 1694	0.54	48.55	7 10
45	082 RESP NEOPLASMS	1797	0.53	49.08	12.28
46	251 FX,SPRN,DIS A<70	1730	0.51	49.08 49.59	2.04
47	041 XTROC PR A<18	1721	0.50	50.09	2.07
48	256 OTH DX, MSCL&CONN	1694	0.50	50.59	4.79
49	256 OTH DX,MSCL&CONN 125 CRC~AMI,CCT~CPLX 395 RED BLD CL,A>17	1683	0.49	51.08	2.93
50	395 RED BLD CL,A>17	1672	0.49	51.57	8.22
		-0/6	V. 47	31.37	0.22

1987 (BIRTHS ARE EXCLUDED FROM THIS DATA)

	(BINIE III.				
Order	DRG	Frequency	Percent	Cumulative Percent	Mean Length of Stay
51	422 VRL ILL, FVR, A<18	1651	0.48	52.05	3.37
52	187 DATL EXTRERESTOR	1619	0.47	52.52	1.78
53	102 OTHR RSP DX A<70	1616	0.47	52.99	5.86
54	369 MNSTRLEOTH F RPR	1600	0.47	53.46	3.30
55	047 OTH EYE DS.A>17~	1599	0.47	53.93	4.93
56	091 SMPL PNEU&P A<18	1588	0.46	54.39	8.11
50 57	055 MISC EAR, NS, THRT	1570	0.46	54.85	3.37
5 <i>8</i>	281 SKN TRMA,A<70	1551	0.45	55.30	2.85
59	322 KID&UR INF,A<18	1550	0.45	55.75	4.54
60	073 OTH E,N,T A>17	1497	0.44	56.19	3.30
	158 ANAL PROCS ALCC	1477	0.43	56.62	5.29
61 62	324 URNRY STONES A C	1477	0.43	57.05	4.13
63	255 OTH FX, SPR A<18	1449	0.42	57.47	3.27
64	138 ARRHYTH&CNDC,A C	1435	0.42	57.89	8.44
65	209 MJR JOINT PROCS	1412	0.41	58.30	23.26
			0.41	58.71	23.58
66	101 OTHE RSP DX A CC	1361	0.40	59.11	8.18
67	321 KID&UR INF,A<70	1351	0.40	59.51	3.30
68	445 MLTPL TRMA,A<70		0.39	59.90	2.97
69	249 AFTERCARE, MSCLSK	1323	0.39	60.29	2.18
70	282 SKN TRMA,A<18		0.39	60.68	1.54
71	343 CIRCUMCSION, A<18		0.38	61.06	5.32
72	139 ARRHYTH&CNDC~A C	1290	0.38	61.44	2.76
73	040 XTROC PR A>=18		0.37	61.81	5.10
74	360 VGNA, CRVX&VLV PR		0.37	62.18	7.06
75 76	133 ATHRSCLROSIS A C	1272	0.37	62.55	1.92
76 77	072 NSL TR & DEFORM 326 KID&UR S&S.A<70	1259	0.37	62.92	3.54
7 / 78		1230	0.36	63.28	3.96
78 79	175 GI HMRRHG~A CC 298 MISC MET DS,A<18		0.36	63.64	8.70
	229 HAND PR GANGLION		0.36	64.00	3.88
80			0.36	64.36	24.84
81	210 HIP&FEMUR PR,A C 266 SKN GRFT~ULCR~CC		0.36	64.72	4.79
82	358 UTRS&ADNEXA~MLG	1217	0.36	65.08	6.26
83	336 TRNSUR PRSTCT, AC		0.35	65.43	13.29
84	074 OTH E.N.T A<18	1172	0.34	65.77	2,39
85	295 DIABETES AGE<36	1160	0.34	66.11	5.90
86	- <del>-</del>	1151	0.34	66.45	20.05
87	012 DEGENR NRVS DIS		0.34	66.79	7.86
88	015 TRANS ISCHEM ATT	and the second s	0.34	67.13	5.97
89 90	028 TR ST,CMA<1,A&{C 236 FRAC OF HIP&PLVS		0.34	67.47	10.59
	132 ATHRSCLROSIS, A C		0.33	67.80	10.59
91			0.33	68.13	3.76
92 93	190 OTH DGST DX,A<18 163 HERNIA PROC,A<18		0.33	68.46	2.17
93 94	130 PRPHL VSC DIS,AC		0.33	68.79	12.11
95	234 OTH MSCL&CONN AC		0.33	69.12	8.37
95 96	066 EPISTAXIS	1057	0.31	69.43	3.58
96 97	278 CELLULITIS,A<70	1047	0.31	69.74	5.31
97 98	090 SMPL PNEU&P A<70		0.31	70.04	12.06
98	171 OTH DGSTV PR~A O		0.30	70.34	6.89
		: . ·	0.30	70.63	8.67
100	131 PRPHL VSC DISTAC	. 967	0.29	70.03	0.07

1987 (BIRTHS ARE EXCLUDED FROM THIS DATA)

101   361 LAPSCPYSENDSC, FE	Order	DRG	Frequency	Percent	Cumulative Percent	Mean Length of Stay
102 172 DOSTV MALIG, AICC 971 0.28 71.20 16.23 103 225 FOOT PROCS 971 0.28 71.20 16.23 104 059 TMSECT, ADCT A>17 938 0.27 71.75 4.64 105 208 BLRY TR DIS AICC 934 0.27 72.02 5.68 107 179 INFLM BOWEL DIS 927 0.27 72.29 4.23 107 179 INFLM BOWEL DIS 927 0.27 72.56 7.49 108 123 CRC DIS, AHI, YERD 925 0.27 72.83 7.66 109 404 LYMPHILEUK, A<70 925 0.27 73.10 8.99 110 142 SYNCP&CLLES, A C 924 0.27 73.10 8.99 111 100 RSP SGNSY A<70 918 0.27 73.64 4.37 111 100 RSP SGNSY A<70 918 0.27 73.64 4.37 112 058 T&A TMS, AD A<18 915 0.27 73.64 4.37 112 058 T&A TMS, AD A<18 915 0.27 73.64 4.37 112 058 T&A TMS, AD A<18 915 0.27 73.64 4.37 112 058 T&A TMS, AD A<18 915 0.27 73.64 4.37 112 058 T&A TMS, AD A<18 915 0.27 73.64 4.37 112 058 T&A TMS, AD A<18 915 0.27 73.64 4.37 112 058 T&A TMS, AD A<18 915 0.27 73.64 4.37 112 058 T&A TMS, AD A<18 915 0.27 73.64 4.37 112 058 T&A TMS, AD A<18 915 0.27 73.64 4.37 112 058 T&A TMS, AD A<18 915 0.27 73.64 4.37 112 058 T&A TMS, AD A<18 915 0.27 73.64 4.37 112 058 T&A TMS, AD A<18 915 0.27 73.64 4.37 112 058 T&A TMS, AD A<18 915 0.27 73.64 4.37 112 058 T&A TMS, AD A<18 915 0.27 73.64 4.37 112 058 TAA TMS, AD A<18 915 0.27 73.64 4.37 112 058 TAA TMS, AD A<18 915 0.27 73.64 4.37 112 058 TAA TMS, AD A<18 915 0.27 73.64 4.37 112 0.30 113 12.29 0.44 75.12 12.29 071 071 071 071 071 071 071 071 071 071	101	361 LAPSCPY&ENDSC.FE	984	0.29	70 92	2 38
103						
104 059 TMSECT, ADCT A>17 938 0.27 71.75 4.64 105 208 BLRY TR DIS A CC 934 0.27 72.02 5.68 106 227 SOPT TISS PR A C 932 0.27 72.29 4.23 107 179 INFLM BOWEL DIS 927 0.27 72.56 7.49 108 123 CRC DIS, AMI, XPRD 925 0.27 73.37 7.66 109 404 LYMPH LEUK, A<70 925 0.27 73.10 8.99 110 142 SYNCPACLLEPS, A C 924 0.27 73.37 3.77 111 100 RSP SON6SY A<70 918 0.27 73.64 4.37 111 100 RSP SON6SY A<70 918 0.27 73.64 4.37 112 058 T64 7NS, AD A<18 915 0.27 73.19 3.03 113 128 DP VN THRMBPHLEB 909 0.27 74.18 11.29 114 269 OTH SKN PR A CC 891 0.26 74.44 7.11 115 241 CONN TISS DIS AC 879 0.26 74.40 7.11 116 446 MLTPL TRHA, A<18 834 0.24 74.94 2.66 118 320 KIDGUR INF, A CC 826 0.24 75.18 3.86 118 320 KIDGUR INF, A CC 826 0.24 75.18 3.86 118 320 KIDGUR SGSSY, A C 826 0.24 75.42 15.82 119 325 KIDGUR SGSSY, A C 810 0.24 75.66 7.37 120 359 TUBAL INTRRP MLG 806 0.24 75.90 3.17 121 337 TRNSUR PRSTCT AC 787 0.23 76.13 10.25 122 235 FRACTR OF FEMUR 761 0.22 76.35 16.83 123 301 ENDERN DIS A CC 752 0.22 76.57 6.80 124 121 CRC DIS, AMI, E, CC 747 0.22 77.01 9.20 125 161 ING&FML HRN, A CC 742 0.22 77.01 9.20 127 316 RENAL FLR DLYSIS 739 0.22 77.45 12.85 128 035 OTH MR REP DLY SIS 739 0.22 77.45 12.85 129 403 LYMPH LEUK, A CC 717 0.21 77.87 12.13 130 177 UNCMP PTC LCR, AC 714 0.21 77.86 7.11 129 403 LYMPH LEUK, A CC 717 0.21 77.87 12.13 130 177 UNCMP PTC LCR, AC 714 0.21 77.86 7.11 131 215 BACK&NECK PR A C 710 0.21 77.86 9.91 134 305 KIDGUR DIS A CC 750 0.20 78.89 9.65 135 332 OTH RINDGVAR AC 697 0.20 78.89 9.65 136 339 TSTS PR MLG, A>17 685 0.20 79.29 4.75 137 318 RENGROR PR CROST PR 664 0.19 79.48 9.53 138 460 NON-EXT BRN OR P 661 0.19 79.48 9.53 139 466 AFTRCR, DXZ-MAILG 645 0.19 79.86 5.73 140 186 DNTL DIS XI, AC 666 0.19 79.29 4.75 136 188 00H DSTY DX, A C 666 0.19 80.43 6.40 143 253 OTH FX, SFR A C 628 0.18 80.61 9.14 140 185 DNTL DIS XI, AC 666 0.18 80.57 9.99 140 148 DNTL DIS XI, AC 666 0.18 80.57 9.99 140 140 140 150 XI, AC 666 0.18 80.59 9.52						
105 208 BLRY TR DISTAICC 934 0.27 72.02 5.68 106 227 SOTT TISS PRTA C 932 0.27 72.29 4.23 107 179 INFLH BOWEL DIS 927 0.27 72.56 7.49 108 123 CRC DIS,AMI,XPRD 925 0.27 72.83 7.66 109 404 LYMPH LEUK,AK70 925 0.27 73.10 8.99 110 142 SYNCPACLEPS, A C 924 0.27 73.37 3.77 111 100 RSP SONASY AK70 918 0.27 73.64 4.37 112 058 T&A TNS,AD AK18 915 0.27 73.64 4.37 112 058 T&A TNS,AD AK18 915 0.27 73.64 4.37 112 058 T&A TNS,AD AK18 915 0.27 73.64 4.37 112 058 T&A TNS,AD AK18 915 0.27 73.64 4.37 113 128 DP VN THRMBPHLEB 909 0.27 74.18 11.29 114 269 OTH SKN PR A CC 891 0.26 74.70 10.90 115 241 CONN TISS DISTAC 879 0.26 74.70 10.90 116 446 MLTPL TRMA,AK18 834 0.24 74.94 2.66 117 0.69 0MEURI,AL8-69°C 826 0.24 75.18 3.86 117 0.69 0MEURI,AL8-69°C 826 0.24 75.18 3.86 117 0.59 TUBAL INTRRF MLG 806 0.24 75.66 7.37 121 337 TRNSUR PRSTCTAC 787 0.23 76.13 10.25 122 235 FRACTR OF FEMUR 761 0.22 76.35 16.83 123 301 ENDCRN DISTA CC 752 0.22 76.57 6.80 122 121 CRO DISTA CC 752 0.22 76.55 16.83 123 301 ENDCRN DISTA CC 742 0.22 77.01 9.20 125 161 ING&FML HRN,A CC 742 0.22 77.01 9.20 126 352 OTH KLEPCD DX 742 0.22 77.45 12.85 128 128 0.35 OTH KLEPCD DX 742 0.22 77.45 12.85 128 129 403 LWMPH LEUK,A CC 717 0.21 77.66 7.11 121 337 TRNSUR PRSTCTAC 787 0.23 76.13 10.25 128 129 403 LWMPH LEUK,A CC 717 0.21 77.66 7.11 121 31 17 UNCMP PTC LCR,AC 714 0.21 77.89 8.20 128 129 403 LWMPH LEUK,A CC 717 0.21 77.66 7.11 131 132 BACKANECK PRA CC 699 0.20 78.49 8.20 133 071 LARYNGOTRCHEITS 697 0.20 79.99 5.21 137 356 FEM RENGER RENGE FRACC 697 0.20 78.49 8.20 133 071 LARYNGOTRCHEITS 697 0.20 79.99 5.21 137 356 FEM RENGER RENGE FRACC 697 0.20 78.49 8.20 133 071 LARYNGOTRCHEITS 697 0.20 79.99 5.21 137 356 FEM RENGER RENGE FRACC 697 0.20 79.99 5.21 137 356 FEM RENGER RENGE FRACC 697 0.20 79.99 5.21 137 366 FEM RENGE RENGE FRACC 697 0.20 79.99 5.21 137 366 FEM RENGE RENGE FRACC 698 0.18 80.						
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119 325 KIDAUR INF, A C		269 OTH SKN PR A CC	891			
119 325 KIDAUR INF, A C		241 CONN TISS DIS AC	879			
119 325 KIDAUR INF, A C		446 MLTPL TRMA,A<18	834			
119 325 KIDAUR INF, A C		069 OM&URI,A18-69°C	826			
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123 301 ENDCRN DIS A   CC						10.25
124 121 CRC DIS, AMI&E, CC 747 0.22 76.79 15.56 125 161 ING&FML HRN, A CC 742 0.22 77.01 9.20 126 352 OTH ML REPRO DX 742 0.22 77.23 2.67 127 316 RENAL FLR*OLYSIS 739 0.22 77.45 12.85 128 035 OTH NRVS DIS, AC 732 0.21 77.66 7.11 129 403 LYMPH LEUK, A CC 717 0.21 77.87 12.13 130 177 UNCMP PTC LCR, AC 714 0.21 78.08 7.74 131 215 BACK&NECK PR*A C 710 0.21 78.29 14.25 132 174 GI HMRRHG, A CC 699 0.20 78.49 8.20 133 071 LARYNGOTRCHEITS 697 0.20 78.69 2.91 134 305 KID, UR PR*MLG*AC 697 0.20 78.89 9.65 135 332 OTH KIDBUR, A<70 687 0.20 79.09 5.21 136 339 TSTS PR*MLG, A>17 685 0.20 79.29 4.75 137 356 FEM RPR RCNST PR 664 0.19 79.48 9.53 138 460 NON-EXT BRN*OR P 661 0.19 79.48 9.53 138 460 NON-EXT BRN*OR P 661 0.19 79.86 5.73 140 186 DNTL DIS*XT, A<18 638 0.19 80.05 2.53 141 297 MISC MET DS, A<70 636 0.19 80.24 8.32 142 188 OTH DGSTV DX, A C 635 0.19 80.43 6.40 143 253 OTH FK, SPR A CC 628 0.18 80.61 9.14 144 464 SIGNS&SYMPTMS*CC 627 0.18 80.79 6.28 145 173 DGSTV MALIG*A CC 623 0.18 80.79 6.28 146 148 MJR BOWEL PR, A C 616 0.18 81.51 13.97 149 239 PATH FREMSCL MLG 616 0.18 81.51 13.97 149 239 PATH FREMSCL MLG 616 0.18 81.51 13.97					76.35	16.83
125 161 ING&FML HRN,A CC 742 0.22 77.01 9.20 126 352 OTH ML REPRO DX 742 0.22 77.23 2.67 127 316 RENAL FLR*DLYSIS 739 0.22 77.45 12.85 128 035 OTH NRVS DIS, AC 732 0.21 77.66 7.11 129 403 LYMPH LEUK,A CC 717 0.21 77.87 12.13 130 177 UNCMP PTC LCR,AC 714 0.21 78.08 7.74 131 215 BACK&NECK PR*A C 710 0.21 78.29 14.25 132 174 GI HMRRHG,A CC 699 0.20 78.49 8.20 133 071 LARYNGOTRCHEITS 697 0.20 78.69 2.91 134 305 KID,UR PR*MLG*AC 697 0.20 78.69 2.91 134 305 KID,UR PR*MLG*AC 697 0.20 78.89 9.65 135 332 OTH KID&UR,A<70 687 0.20 79.09 5.21 136 339 TSTS PR*MLG,A>17 685 0.20 79.29 4.75 137 356 FEM RPR RCNST PR 664 0.19 79.48 9.53 138 460 NON-EXT BRN*OR P 661 0.19 79.67 9.62 139 466 AFTRCR,DX2=MALIG 645 0.19 79.86 5.73 140 186 DNTL DIS*XT,A<18 638 0.19 80.05 2.53 141 297 MISC MET DS,A<70 636 0.19 80.24 8.32 142 188 OTH DGSTV DX,A C 635 0.19 80.43 6.40 143 253 OTH FX,SPR A CC 628 0.18 80.61 9.14 144 464 SIGNS&SYMPTMS*CC 628 0.18 80.61 9.14 144 464 SIGNS&SYMPTMS*CC 628 0.18 80.61 9.14 145 173 DGSTV MALIG*A CC 623 0.18 80.79 6.28 145 173 DGSTV MALIG*A CC 623 0.18 80.97 9.94 146 148 MJR BOWEL PR,A C 616 0.18 81.51 13.97 149 239 PATH FREMSCL MLG 616 0.18 81.51 13.97					76.57	6.80
126					76.79	15.56
127 316 RENAL FLR~DLYSIS 739 0.22 77.45 12.85 128 035 OTH NRVS DIS, AC 732 0.21 77.66 7.11 129 403 LYMPH LEUK,A CC 717 0.21 77.87 12.13 130 177 UNCMP PTC LCR,AC 714 0.21 78.08 7.74 131 215 BACK&NECK PR~A C 710 0.21 78.29 14.25 132 174 GI HMRRHG,A CC 699 0.20 78.49 8.20 133 071 LARYNGOTRCHEITS 697 0.20 78.69 2.91 134 305 KID,UR PR~MLG~AC 697 0.20 78.89 9.65 135 332 OTH KID&UR,A<70 687 0.20 79.09 5.21 136 339 TSTS PR~MLG,A>17 685 0.20 79.29 4.75 137 356 FEM RPR RCNST PR 664 0.19 79.48 9.53 138 460 NON-EXT BRN~OR P 661 0.19 79.67 9.62 139 466 AFTRCR,DX2=MALIG 645 0.19 79.86 5.73 140 186 DNTL DIS~XT,A<18 638 0.19 80.05 2.53 141 297 MISC MET DS,A<70 636 0.19 80.24 8.32 142 188 OTH DGSTV DX,A C 635 0.19 80.43 6.40 143 253 OTH FX,SPR A CC 628 0.18 80.61 9.14 144 464 SIGNS&SYMPTMS~CC 628 0.18 80.61 9.14 144 464 SIGNS&SYMPTMS~CC 627 0.18 80.79 6.28 145 173 DGSTV MALIG~A C 616 0.18 81.15 27.14 147 153 MNR BOWEL PR~A C 616 0.18 81.33 6.04 148 155 STM,ESO,DD A<70 616 0.18 81.51 13.97 149 239 PATH FR&MSCL MLG 616 0.18 81.51 13.97				0.22	77.01	9.20
128  035  OTH NRVS DIS, AC		352 OTH ML REPRO DX		0.22	77.23	2.67
129 403 LYMPH LEUK,A CC 717 0.21 77.87 12.13 130 177 UNCMP PTC LCR,AC 714 0.21 78.08 7.74 131 215 BACK&NECK PR"A C 710 0.21 78.29 14.25 132 174 GI HMRRHG,A CC 699 0.20 78.49 8.20 133 071 LARYNGOTRCHEITS 697 0.20 78.69 2.91 134 305 KID,UR PR"MLG"AC 697 0.20 78.89 9.65 135 332 OTH KID&UR,A<70 687 0.20 79.09 5.21 136 339 TSTS PR"MLG,A>17 685 0.20 79.09 5.21 137 356 FEM RPR RCNST PR 664 0.19 79.48 9.53 138 460 NON-EXT BRN"OR P 661 0.19 79.67 9.62 139 466 AFTRCR,DX2=MALIG 645 0.19 79.86 5.73 140 186 DNTL DIS"XT,A<18 638 0.19 80.05 2.53 141 297 MISC MET DS,A<70 636 0.19 80.04 8.32 142 188 OTH DGSTV DX,A C 635 0.19 80.24 8.32 142 188 OTH DSTV DX,A C 635 0.19 80.43 6.40 143 253 OTH FX,SPR A CC 628 0.18 80.61 9.14 144 464 SIGNS&SYMPTMS"CC 627 0.18 80.79 6.28 145 173 DGSTV MALIG"A CC 623 0.18 80.97 9.94 146 148 MJR BOWEL PR,A C 616 0.18 81.15 27.14 147 153 MNR BOWEL PR,A C 616 0.18 81.33 6.04 148 155 STM,ESO,DD A<70 616 0.18 81.51 13.97 149 239 PATH FR&MSCL MLG 616 0.18 81.51 13.97				0.22	77.45	12.85
130 177 UNCMP PTC LCR,AC 714 0.21 78.08 7.74 131 215 BACK&NECK PR"A C 710 0.21 78.29 14.25 132 174 GI HMRHG,A CC 699 0.20 78.49 8.20 133 071 LARYNGOTRCHEITS 697 0.20 78.69 2.91 134 305 KID,UR PR"MLG"AC 697 0.20 78.89 9.65 135 332 OTH KID&UR,A<70 687 0.20 79.09 5.21 136 339 TSTS PR"MLG,A>17 685 0.20 79.29 4.75 137 356 FEM RPR RCNST PR 664 0.19 79.48 9.53 138 460 NON-EXT BRN"OR P 661 0.19 79.67 9.62 139 466 AFTRCR,DX2=MALIG 645 0.19 79.86 5.73 140 186 DNTL DIS"XT,A<18 638 0.19 80.05 2.53 141 297 MISC MET DS,A<70 636 0.19 80.24 8.32 142 188 OTH DGSTV DX,A C 635 0.19 80.24 8.32 142 188 OTH DGSTV DX,A C 635 0.19 80.43 6.40 143 253 OTH FX,SPR A CC 628 0.18 80.61 9.14 144 464 SIGNS&SYMPTMS"CC 628 0.18 80.61 9.14 145 173 DGSTV MALIG"A CC 623 0.18 80.97 9.94 146 148 MJR BOWEL PR,A C 616 0.18 81.15 27.14 147 153 MNR BOWEL PR,A C 616 0.18 81.33 6.04 148 155 STM,ESO,DD A<70 616 0.18 81.51 13.97 149 239 PATH FR&MSCL MLG 616 0.18 81.51 13.97			732		77.66	7.11
131 215 BACK&NECK PR"A C 710 0.21 78.29 14.25 132 174 GI HMRRHG,A CC 699 0.20 78.49 8.20 133 071 LARYNGOTRCHEITS 697 0.20 78.69 2.91 134 305 KID,UR PR"MLG"AC 697 0.20 78.89 9.65 135 332 OTH KID&UR,A<70 687 0.20 79.09 5.21 136 339 TSTS PR"MLG,A>17 685 0.20 79.29 4.75 137 356 FEM RPR RCNST PR 664 0.19 79.48 9.53 138 460 NON-EXT BRN"OR P 661 0.19 79.67 9.62 139 466 AFTRCR,DX2=MALIG 645 0.19 79.86 5.73 140 186 DNTL DIS"XT,A<18 638 0.19 80.05 2.53 141 297 MISC MET DS,A<70 636 0.19 80.24 8.32 142 188 OTH DGSTV DX,A C 635 0.19 80.24 8.32 142 188 OTH DGSTV DX,A C 635 0.19 80.43 6.40 143 253 OTH FX,SPR A CC 628 0.18 80.61 9.14 144 464 SIGNS&SYMPTMS"CC 627 0.18 80.79 6.28 145 173 DGSTV MALIG"A CC 623 0.18 80.97 9.94 146 148 MJR BOWEL PR,A C 616 0.18 81.15 27.14 147 153 MNR BOWEL PR,A C 616 0.18 81.33 6.04 148 155 STM,ESO,DD A<70 616 0.18 81.33 6.04 149 239 PATH FR&MSCL MLG 616 0.18 81.51 13.97		403 LYMPH LEUK,A CC		0.21	77.87	12.13
134 305 KID_UR PR~MLG~AC 697 0.20 78.89 9.65 135 332 OTH KID&UR,A<70 687 0.20 79.09 5.21 136 339 TSTS PR~MLG,A>17 685 0.20 79.29 4.75 137 356 FEM RPR RCNST PR 664 0.19 79.48 9.53 138 460 NON-EXT BRN~OR P 661 0.19 79.67 9.62 139 466 AFTRCR,DX2=MALIG 645 0.19 79.86 5.73 140 186 DNTL DIS~XT,A<18 638 0.19 80.05 2.53 141 297 MISC MET DS,A<70 636 0.19 80.24 8.32 142 188 OTH DGSTV DX,A C 635 0.19 80.43 6.40 143 253 OTH FX,SPR A CC 628 0.18 80.61 9.14 144 464 SIGNS&SYMPTMS~CC 628 0.18 80.61 9.14 144 464 SIGNS&SYMPTMS~CC 627 0.18 80.79 6.28 145 173 DGSTV MALIG~A CC 623 0.18 80.97 9.94 146 148 MJR BOWEL PR,A C 616 0.18 81.15 27.14 147 153 MNR BOWEL PR,A C 616 0.18 81.33 6.04 148 155 STM,ESO,DD A<70 616 0.18 81.51 13.97 149 239 PATH FR&MSCL MLG 616 0.18 81.51 13.97		177 UNCMP PTC LCR,AC	714	0.21	78.08	7.74
134 305 KID_UR PR~MLG~AC 697 0.20 78.89 9.65 135 332 OTH KID&UR,A<70 687 0.20 79.09 5.21 136 339 TSTS PR~MLG,A>17 685 0.20 79.29 4.75 137 356 FEM RPR RCNST PR 664 0.19 79.48 9.53 138 460 NON-EXT BRN~OR P 661 0.19 79.67 9.62 139 466 AFTRCR,DX2=MALIG 645 0.19 79.86 5.73 140 186 DNTL DIS~XT,A<18 638 0.19 80.05 2.53 141 297 MISC MET DS,A<70 636 0.19 80.24 8.32 142 188 OTH DGSTV DX,A C 635 0.19 80.43 6.40 143 253 OTH FX,SPR A CC 628 0.18 80.61 9.14 144 464 SIGNS&SYMPTMS~CC 628 0.18 80.61 9.14 144 464 SIGNS&SYMPTMS~CC 627 0.18 80.79 6.28 145 173 DGSTV MALIG~A CC 623 0.18 80.97 9.94 146 148 MJR BOWEL PR,A C 616 0.18 81.15 27.14 147 153 MNR BOWEL PR,A C 616 0.18 81.33 6.04 148 155 STM,ESO,DD A<70 616 0.18 81.51 13.97 149 239 PATH FR&MSCL MLG 616 0.18 81.51 13.97		215 BACK&NECK PR~A C	710	0.21	78.29	14.25
134 305 KID_UR PR~MLG~AC 697 0.20 78.89 9.65 135 332 OTH KID&UR,A<70 687 0.20 79.09 5.21 136 339 TSTS PR~MLG,A>17 685 0.20 79.29 4.75 137 356 FEM RPR RCNST PR 664 0.19 79.48 9.53 138 460 NON-EXT BRN~OR P 661 0.19 79.67 9.62 139 466 AFTRCR,DX2=MALIG 645 0.19 79.86 5.73 140 186 DNTL DIS~XT,A<18 638 0.19 80.05 2.53 141 297 MISC MET DS,A<70 636 0.19 80.24 8.32 142 188 OTH DGSTV DX,A C 635 0.19 80.43 6.40 143 253 OTH FX,SPR A CC 628 0.18 80.61 9.14 144 464 SIGNS&SYMPTMS~CC 628 0.18 80.61 9.14 144 464 SIGNS&SYMPTMS~CC 627 0.18 80.79 6.28 145 173 DGSTV MALIG~A CC 623 0.18 80.97 9.94 146 148 MJR BOWEL PR,A C 616 0.18 81.15 27.14 147 153 MNR BOWEL PR,A C 616 0.18 81.33 6.04 148 155 STM,ESO,DD A<70 616 0.18 81.51 13.97 149 239 PATH FR&MSCL MLG 616 0.18 81.51 13.97	132	174 GI HMRRHG, A CC	699	0.20	78.49	8.20
134		071 LARYNGOTRCHEITS	697	0.20	78.69	2.91
135 332 OTH KID&UR,A<70 687 0.20 79.09 5.21 136 339 TSTS PR"MLG,A>17 685 0.20 79.29 4.75 137 356 FEM RPR RCNST PR 664 0.19 79.48 9.53 138 460 NON-EXT BRN"OR P 661 0.19 79.67 9.62 139 466 AFTRCR,DX2=MALIG 645 0.19 79.86 5.73 140 186 DNTL DIS"XT,A<18 638 0.19 80.05 2.53 141 297 MISC MET DS,A<70 636 0.19 80.24 8.32 142 188 OTH DGSTV DX,A C 635 0.19 80.43 6.40 143 253 OTH FX,SPR A CC 628 0.18 80.61 9.14 144 464 SIGNS&SYMPTMS"CC 627 0.18 80.79 6.28 145 173 DGSTV MALIG"A CC 623 0.18 80.97 9.94 146 148 MJR BOWEL PR,A C 616 0.18 81.15 27.14 147 153 MNR BOWEL PR,A C 616 0.18 81.33 6.04 148 155 STM,ESO,DD A<70 616 0.18 81.51 13.97 149 239 PATH FR&MSCL MLG 616 0.18 81.69 9.52	134	305 KID, UR PR"MLG"AC	697	0.20	78.89	9.65
136 339 TSTS PR~MLG,A>17 685 0.20 79.29 4.75 137 356 FEM RPR RCNST PR 664 0.19 79.48 9.53 138 460 NON-EXT BRN~OR P 661 0.19 79.67 9.62 139 466 AFTRCR,DX2=MALIG 645 0.19 79.86 5.73 140 186 DNTL DIS~XT,A<18 638 0.19 80.05 2.53 141 297 MISC MET DS,A<70 636 0.19 80.24 8.32 142 188 OTH DGSTV DX,A C 635 0.19 80.43 6.40 143 253 OTH FX,SPR A CC 628 0.18 80.61 9.14 144 464 SIGNS&SYMPTMS~CC 627 0.18 80.79 6.28 145 173 DGSTV MALIG~A CC 623 0.18 80.97 9.94 146 148 MJR BOWEL PR,A C 616 0.18 81.15 27.14 147 153 MNR BOWEL PR,A C 616 0.18 81.33 6.04 148 155 STM,ESO,DD A<70 616 0.18 81.51 13.97 149 239 PATH FR&MSCL MLG 616 0.18 81.69 9.52	135	332 OTH KID&UR,A<70	687	0.20		
137 356 FEM RPR RCNST PR 664 0.19 79.48 9.53 138 460 NON-EXT BRN*OR P 661 0.19 79.67 9.62 139 466 AFTRCR, DX2=MALIG 645 0.19 79.86 5.73 140 186 DNTL DIS*XT, A<18 638 0.19 80.05 2.53 141 297 MISC MET DS, A<70 636 0.19 80.24 8.32 142 188 OTH DGSTV DX, A C 635 0.19 80.43 6.40 143 253 OTH FX, SPR A CC 628 0.18 80.61 9.14 144 464 SIGNS&SYMPTMS*CC 627 0.18 80.79 6.28 145 173 DGSTV MALIG*A CC 623 0.18 80.97 9.94 146 148 MJR BOWEL PR, A C 616 0.18 81.15 27.14 147 153 MNR BOWEL PR*A C 616 0.18 81.33 6.04 148 155 STM, ESO, DD A<70 616 0.18 81.51 13.97 149 239 PATH FR&MSCL MLG 616 0.18 81.69 9.52	136	339 TSTS PR~MLG,A>17	685	0.20		
138	137					
139	138	460 NON-EXT BRN OR P	661			
140 186 DNTL DIS~XT,A<18 638 0.19 80.05 2.53 141 297 MISC MET DS,A<70 636 0.19 80.24 8.32 142 188 OTH DGSTV DX,A C 635 0.19 80.43 6.40 143 253 OTH FX,SPR A CC 628 0.18 80.61 9.14 144 464 SIGNS&SYMPTMS~CC 627 0.18 80.79 6.28 145 173 DGSTV MALIG~A CC 623 0.18 80.97 9.94 146 148 MJR BOWEL PR,A C 616 0.18 81.15 27.14 147 153 MNR BOWEL PR,A C 616 0.18 81.33 6.04 148 155 STM,ESO,DD A<70 616 0.18 81.51 13.97 149 239 PATH FR&MSCL MLG 616 0.18 81.69 9.52	139		645			
141 297 MISC MET DS,A<70 636 0.19 80.24 8.32 142 188 OTH DGSTV DX,A C 635 0.19 80.43 6.40 143 253 OTH FX,SPR A CC 628 0.18 80.61 9.14 144 464 SIGNS&SYMPTMS*CC 627 0.18 80.79 6.28 145 173 DGSTV MALIG*A CC 623 0.18 80.97 9.94 146 148 MJR BOWEL PR,A C 616 0.18 81.15 27.14 147 153 MNR BOWEL PR*A C 616 0.18 81.33 6.04 148 155 STM,ESO,DD A<70 616 0.18 81.51 13.97 149 239 PATH FR&MSCL MLG 616 0.18 81.69 9.52	140					
142 188 OTH DGSTV DX,A C 635 0.19 80.43 6.40 143 253 OTH FX,SPR A CC 628 0.18 80.61 9.14 144 464 SIGNS&SYMPTMS*CC 627 0.18 80.79 6.28 145 173 DGSTV MALIG*A CC 623 0.18 80.97 9.94 146 148 MJR BOWEL PR,A C 616 0.18 81.15 27.14 147 153 MNR BOWEL PR*A C 616 0.18 81.33 6.04 148 155 STM,ESO,DD A<70 616 0.18 81.51 13.97 149 239 PATH FR&MSCL MLG 616 0.18 81.69 9.52	141					
143 253 OTH FX,SPR A CC 628 0.18 80.61 9.14 144 464 SIGNS&SYMPTMS*CC 627 0.18 80.79 6.28 145 173 DGSTV MALIG*A CC 623 0.18 80.97 9.94 146 148 MJR BOWEL PR,A C 616 0.18 81.15 27.14 147 153 MNR BOWEL PR*A C 616 0.18 81.33 6.04 148 155 STM,ESO,DD A<70 616 0.18 81.51 13.97 149 239 PATH FR&MSCL MLG 616 0.18 81.69 9.52	142					
144 464 SIGNS&SYMPTMS*CC 627 0.18 80.79 6.28 145 173 DGSTV MALIG*A CC 623 0.18 80.97 9.94 146 148 MJR BOWEL PR,A C 616 0.18 81.15 27.14 147 153 MNR BOWEL PR*A C 616 0.18 81.33 6.04 148 155 STM,ESO,DD A<70 616 0.18 81.51 13.97 149 239 PATH FR&MSCL MLG 616 0.18 81.69 9.52	143					
145 173 DGSTV MALIG A CC 623 0.18 80.97 9.94 146 148 MJR BOWEL PR A C 616 0.18 81.15 27.14 147 153 MNR BOWEL PR A C 616 0.18 81.33 6.04 148 155 STM, ESO, DD A < 70 616 0.18 81.51 13.97 149 239 PATH FREMSCL MLG 616 0.18 81.69 9.52	144					
146 148 MJR BOWEL PR,A C 616 0.18 81.15 27.14 147 153 MNR BOWEL PR~A C 616 0.18 81.33 6.04 148 155 STM,ESO,DD A<70 616 0.18 81.51 13.97 149 239 PATH FR&MSCL MLG 616 0.18 81.69 9.52	145					
147 153 MNR BOWEL PR'A C 616 0.18 81.33 6.04 148 155 STM,ESO,DD A<70 616 0.18 81.51 13.97 149 239 PATH FR&MSCL MLG 616 0.18 81.69 9.52						
148 155 STM,ESO,DD A<70 616 0.18 81.51 13.97 149 239 PATH FREMSCL MLG 616 0.18 81.69 9.52						
149 239 PATH FREMSCL MLG 616 0.18 81.69 9.52		155 STM.ESO.DD A<70				
150 046 500 500 500 500 500 500 500		239 PATH FRAMSCL MLG				

(BIRTHS ARE EXCLUDED FROM THIS DATA)

Order	DRG	Frequency	Percent	Cumulative Percent	
151	169 MOUTH PROCS AICC	607	0.18	82.05	4.02
152	268 SKN, SUBCT&BR PLS	603	0.18	82.23	11.91
153	426 DEPRSV NEUROSES	599	0.18	0.2 41	12.79
154	283 MNR SKIN DIS.ALC	597	0 17	82.58	7.36
155	141 SYNCPACLLPS ALCC	594	0.18 0.17 0.17	82.75	
156	185 DNTL DIS XT.A>17	588	0.17	82.92	4.69
157	250 FX.SPR ARM&FT.AC	588	0.17	83.09	4.20
158	096 BRNCHAASTH ALCC	584	0.17	83.26	10.22
159	207 BLRY TR DIS.AICC	583	0.17		
160	333 OTH KIDAUR.A<18	579	0.17	83.43 83.60	4.36
161	149 MIR BOWEL PRAIC	574	0.17	83 77	20.40
162	024 SZRAHDACH AAICC	570	0.17	83.77 83.94	8.64
163	020 NRV INF TVRL MNG	559	0.16	84 10	11 67
164	222 KNEE PROCS ALCC	545	0.16	84.26 84.42	7.14
165	279 CELLULITIS.Ac18	542	0.16	84.42	4.17
166	461 OR PR.DX=OTH CTC	538	0.16	84.58	3.69
167	430 PSYCHOSES	528	0.15	84.73	20.23
168	244 BONE DISEASE.AIC	520	0.15	84.58 84.73 84.88	10.93
169	013 MP SCLER&CRBL AT	516	0.15	85.03	14.48
170	274 MLG BRST DIS.AIC	512	0.15	85.18	15.19
171	065 DYSEQUILIBRIUM	511	0.15	85.33	
172	064 ER, NS, THRT MALIG	507	0.15	85.48 85.63	13.34
173	145 OTH CIRD DX, CC	503	0.15	85.63	8.94
174	418 PSTOP&PSTTR INFC	489	0.14	85.77 85.91 86.05	7.12
175	053 SNS&MAST PR A>17	476	0.14	85.91	4.79
176	048 OTH EYE DIS,A<18	475	0.14	86.05	3.21
177	350 MALE REPRO INFLM	473	0.14	86 19	4.25
178	165 APPNDC, CMP DX AC	466	0.14	86.33	7.18
179	248 TNDNTS, MYSTS, BRS	464	0.14	26 47	A 67
180	405 LYMPH LEUK,A<18	464	0.14	86.61 86.74	6.42
181	219 LWR XTRM PR,A <td>458</td> <td>0.13</td> <td>86.74</td> <td>11.39</td>	458	0.13	86.74	11.39
182	206 OTH LIVER DIS AC	456	0.13	86.87 87.00 87.13	7.50
183	021 VIRAL MENINGITIS	445	0.13	87.00	6.02
184 185	290 MISC MET DIS,A C	440	0.13	87.13	10.72
186	042 INDDOC DD ~D I	439	0.13 0.13	87.26 87.39	4.23 7.84
187	300 THYPOTO PROCE	430	0.13	07.39	7.04
188	A21 VIDAL TITME AN17	437	0.13	87.52 87.65	7.56
189	A10 CONTRODOU TA CC	430	0.13	0/.00	6.69
190	079 DITMNDY EMPORTEM	421	0.13	87.78 87.91	9.46 17.42
191	280 SKN SUBCT TO AC	431	0.13	88.03	
192	197 TOT CHIST COE AC	425	0.12	88.15	17.49
193	435 DRUG USE DEPNDAC	425	0.12	88 27	7.67
194	449 TOX EFF. DRGS.AIC	425	0.12	88.27 88.39	5.93
195	056 RHINOPLASTY	424	0.12	88.51	4.17
196	327 KID&UR S&S,A<18	407	0.12	88.51 88.63 88.75	4.82
197	211 HIP&FMUR PR,A<70	398	0.12	88.75	20.51
198	154 STM, ESO, DD PR, AC	397	0.12	88.87	23.68
199	425 PSYCHOSOC DYSENC	394	0.12	88.87 88.99	6.57
200	169 MOUTH PROCS A CC 268 SKN, SUBCT6BR PLS 426 DEPRSV NEUROSES 283 MNR SKIN DIS, A CC 141 SYNCP&CLLPS, A CC 185 DNTL DIS XT, A>17 250 FX, SPR ARM&FT, AC 096 BRNCH&ASTH A CC 207 BLRY TR DIS, A CC 333 OTH KID&UR, A<18 149 MJR BOWEL PR A C 024 SZR&HDACH A & CC 020 NRV INF VRL MNG 222 KNEE PROCS A CC 279 CELLULITIS, A<18 461 OR PR, DX-OTH CTC 430 PSYCHOSES 244 BONE DISEASE, A C 013 MP SCLER&CRBL AT 274 MLG BRST DIS, A C 065 DYSEQUILIBRIUM 064 ER, NS, THRT MALIG 145 OTH CIRD DX, CC 418 PSTOP&PSTTR INFC 053 SNS&MAST PR A>17 048 OTH EYE DIS, A<18 350 MALE REPRO INFLM 165 APPNDC, CMP DX AC 248 TNDNTS, MYSTS, BRS 405 LYMPH LEUK, A<18 219 LWR XTRM PR, A<70 026 OTH LIVER DIS AC 021 VIRAL MENINGITIS 296 MISC MET DIS, A C 021 VIRAL MENINGITIS 296 MISC MET DIS, A C 027 VIRAL ILLNS, A>17 019 CRULEND&IMMN A C 042 INTROC PR, R, I, L 290 THYROID PROCS 421 VIRAL ILLNS, A>17 019 CRULEND&IMMN A C 042 INTROC PR, R, I, L 290 THYROID PROCS 421 VIRAL ILLNS, A>17 019 CRULEND&IMN A C 045 THYROID PROCS 421 VIRAL ILLNS, A>17 019 CRULEND&IMN A C 045 THYROID PROCS 421 VIRAL ILLNS, A>17 019 CRULEND&IMN A C 045 THYROID PROCS 421 VIRAL ILLNS, A>17 019 CRULEND&IMN A C 045 THYROID PROCS 421 VIRAL ILLNS, A>17 019 CRULEND&IMN A C 045 THYROID PROCS 421 VIRAL ILLNS, A>17 019 CRULEND&IMN A C 045 THYROID PROCS 421 VIRAL ILLNS, A>17 019 CRULEND&IMN A C 045 THYROID PROCS 421 VIRAL ILLNS, A>17 019 CRULEND&IMN A C 045 THYROID PROCS 421 VIRAL ILLNS, A>17 019 CRULEND&IMN A C 056 RHINOPLASTY 327 KID&UR S&S, A<18 211 HIP&FMUR PR, A<70 154 STM, ESO, DD PR, AC 425 PSYCHOSOC DYSFNC 346 ML RPRO MLG, A CC	393	0.11	89.10	11.05

1987 (BIRTHS ARE EXCLUDED FROM THIS DATA)

Order	DRG	Frequency	Percent	Cumulative Percent	Mean Length of Stay
201	351 STERILIZATION, ML	392	0.11	89.21	1.01
202	093 INTRST LUNG TA,C		0.11	89.32	8.99
203	331 OTH KIDGUR DX,AC	384	0.11	89.43	7.76
204	397 COAGULATION DSRD	375	0.11	89.54	7.35
205	470 UNGROUPABLE	372	0.11	89.65	12.65
206	470 UNGROUPABLE 001 CRNIOT A>=18 TR 311 TRNSURETH PRTA C 054 SNS&MAST PR A<18	371	0.11	89.76	23.63
207	311 TRNSURETH PR~A   C	371	0.11	89.87 89.98	5.13
208	054 SNS&MAST PR A<18	369	0.11	89.98	
209	423 OTH INFEPAR DIS	36/	0.11	90.09	7.04
210	203 HPTOBL PNC MALIG		0.11		12.61
211	348 BNGN PRST HYP, AC		0.11	90.31	7.37
212	240 CONN TISS DIS, AC	362	0.11	90.42 90.53	15.13
213	434 DRUG DEPENDENCE	362	0.11	90.53	2.56
214	342 CIRCUMCSION, A>17	359	0.11	90.64 90.74	2.77
215	273 MJR SKN DIS A CC	357	0.10	90.74	9.89
216	271 SKIN ULCERS	354	0.10	90.84	20.17
217	095 PNEUMOTHRX A,CC	353	0.10 0.10	90.94 91.04	7.39
218	204 PANC DIS MALIG	352	0.10		
219 220	135 CDDC CNCCULU N.C	352	0.10	91.14	
220	011 NEVE NEODY TA CO	314	0.10 0.10	91.24 91.34	10.06
222	A20 ODG DIGTER DET	2//	0.10	91.44	23.31
223	724 tipp yrom pp~alco	318	0.10		5.27
224	276 "MALIG BEST DIS	337	0.10	91.64	3.20
225	129 CARDIAC ARREST	336	0.10	91 74	10.22
226	363 DEC CON R-T MAIG	324	0.10	91.74 91.83	11.49
227	267 PRANIAPTIONDI PR	323	0.09	91.92	7.09
228	453 TRIMT CMPL ALCC	320	0.09	92.01	5.04
229	367 FEM RPRO MLG ALC	313	0.09	92.10	1.30
230	160 HRN~ING&FEM.A<70	309	0.09	92.19 92.28	7.96
231	099 RESP SGN&SY A CC	307	0.09	92.28	7.51
232	440 WOUND DEBRD, INJR	307	0.09	92.37	5.86
233	136 CRDC CNG&VV,A<70	304	0.09	92.46 92.55	7.36
234	300 ENDCRN DIS,AICC	295	0.09	92.55	11.83
235	318 KIDAUR NEOP, A CC	294	0.09	92.64	11.64
236	181 GI OBSTRCTN~A CC	293	0.09	92.73	5.58
237	202 CIRRHAALC HPTTIS	293	0.09	กาดว	12.51
238	396 RED BLD CL,A<18	286	0.09		
239	063 OTH E,N,T OR PR	285	0.08	,	10.94
240	075 MJR CHEST PROCS	285	0.08	93.06	
241	277 CELLULITIS,A CC	285	0.08	93.14 93.22	9.95
242	444 MLTPL TRAUMA, A C	285	0.08	93.22	7.28
243	006 CARPL TUNNEL RLS	284	0.08	93.30	3.20
244	240 CONN TISS DIS, AC 434 DRUG DEPENDENCE 342 CIRCUMCSION, A>17 773 MJR SKN DIS A CC 271 SKIN ULCERS 095 PNEUMOTHRX A, CC 204 PANC DIS MALIG 258 TOT MAST MLG A CC 135 CRDC CNG&VLV, A C 011 NRVS NEOPL A, CC 429 ORG DISTRB&M RET 24 UPR XTRM PRA CC 276 MALIG BRST DIS 129 CARDIAC ARREST 363 D&C, CON, R-1, MALG 267 PRANL&PILONDL PR 453 TRTMT CMPL A CC 367 FEM RPRO MLG A CC 368 KID&UR NEOP A CC 369 RESP SGN&SY A CC 440 WOUND DEBRD, INJR 136 CRDC CNG&VV, A<70 300 ENDCRN DIS, A CC 318 KID&UR NEOP A CC 202 CIRRH&ALC HPTTIS 396 RED BLD CL, A<18 063 OTH E, N, T OR PR 075 MJR CHEST PROCS 277 CELLULITIS, A CC 444 MLTPL TRAUMA, A CC 444 MLTPL TRAUMA, A CC 006 CARPL TUNNEL RLS 238 OSTEOMYELITIS 443 OTH OR PR, INJ AC 362 LAPRSCPC TBL INT 365 OTH FEM RPRO PR 170 OTH DGSTV PR, A CC 319 KID&UR NEOP A CC 310 KID&	284	0.08	93.38	10.16
245	445 OTH OR PR, INJ AC	283	0.08 0.08	93.46	
246 247	345 AMU PEN BERG DE	202	0.08	93.54 93.62	
247	170 ONU DOCKU DE NIC	273	0.08	93.62	20.46
249	365 OTH FEM RPRO PR 170 OTH DGSTV PR,A C 319 KID&UR NEOP~A CC 116 PCMKR,~AMI CHF	270	0.08	93.70	20.46 6.73
250	116 DOWED TAMITOR ALCO	267	0.08	93.86	8.41
250	IIO FUNKA, ANIIUMF	201	0.00	33.00	0.41

1987 (BIRTHS ARE EXCLUDED FROM THIS DATA)

Order	O36 RETINAL PROCS 107 CRNRY BYPS, CCTH 008 OTH NRV PR A, CC 310 TRNSURETH PR, A   C 328 URTHRL STRCT, A   C 275 MLG BRST DIS A   C 120 OTHER CRC OR PR 299 INBORN MET ERROR 409 RADIOTHERAPY 217 SKIN GRAFT HAND 349 BNGN PRST HYP AC 144 OTH CIRC DX, CC 230 RMVL, HIP& FEM DEV 137 CRDC CNG&VV, A < 18 260 SUB MAST MLG A   C 112 MJR RCNST VSC, AC 110 MJR RCSTR VSC, AC 111 MYRINGOTOMY A> 17 180 GI OBSTRCTN, A   CC 111 MYRINGOTOMY A> 17 180 GI OBSTRCTN, A   CC 112 URTHRL STRC, A < 70 181 PENIS PROCS 186 FEM RPRO MLG, A   C 187 URTHRL STRC, A < 10 187 ANAL PROCS A   CC 188 HYPHEMA 189 LIP& FMUR PR, A < 18 189 ANAL PROCS A   CC 180 ACUT MJR EYE INF 180 ANAL PROCS A   CC 181 MYPHEMA 181 MJR CRC UP LIMB 187 ANAL PROCS A   CC 184 ACUT MJR EYE INF 185 ANAL PROCS A   CC 186 CM REPTICEMIA, A > 17 113 AMP CRC UP LIMB 157 ANAL PROCS A   CC 158 CRNIOT A < 18 111 MJR RCNST VSC, AC 159 CLFT LIP& PLT REP 150 OTH LIVER DIS, AC 151 CMPL PEPTIC ULCR 151 NONSP CBC DIS CC 152 CLFT LIP& PLT REP 153 OTH LIVER DIS, AC 154 CMPL PEPTIC ULCR 157 NONSP CBC DIS CC 158 OM& URI, A &   CC 159 NON-EXT BRN, DBRD 135 MJR PELVIC PR CC 1394 OTH OR PR, BLOOD	Frequency	Percent	Cumulative Percent	
251	036 RETINAL PROCS	260	0.08	93.94	8.69
252	107 CRNRY BYPS, CCTH	259	0.08 0.07	94.02	14.09
253	008 OTH NRV PR A,CC	256	0.07	94.09 94.109 94.123 94.30 94.37 94.58 94.58 94.79 94.655 94.79 94.90 95.01 95.120 95.38 95.38 95.36 95.38 95.36 95.36 95.38 95.36 95.38 95.38 95.38 95.38 95.38 95.38 95.38 95.38 95.38 95.38 95.38 95.38 95.38 95.38 95.38 95.38 95.38 95.38 95.38 95.38 95.38 95.38 95.38 95.38 95.38 95.38 95.38 95.38 95.38 95.38 95.38 95.38 95.38 95.38 95.38 95.38 95.38 95.38 95.38 95.38 95.38 95.38 95.38 95.38 95.38 95.38 95.38 95.38 95.38 95.38 95.38 95.38 95.38 95.38 95.38 95.38 95.38 95.38 95.38 95.38 95.38 95.38 95.38 95.38 95.38 95.38 95.38 95.38 95.38 95.38 95.38 95.38 95.38 95.38 95.38 95.38 95.38 95.38 95.38 95.38 95.38 95.38 95.38 95.38 95.38 95.38 95.38 95.38 95.38 95.38 95.38 95.38 95.38 95.38 95.38 95.38 95.38 95.38 95.38 95.38 95.38 95.38 95.38 95.38 95.38 95.38 95.38 95.38 95.38 95.38 95.38 95.38 95.38 95.38 95.38 95.38 95.38 95.38 95.38 95.38 95.38 95.38 95.38 95.38 95.38 95.38 95.38 95.38 95.38 95.38 95.38 95.38 95.38 95.38 95.38 95.38 95.38 95.38 95.38 95.38 95.38 95.38 95.38 95.38 95.38 95.38 95.38 95.38 95.38 95.38 95.38 95.38 95.38 95.38 95.38 95.38 95.38 95.38 95.38 95.38 95.38 95.38 95.38 95.38 95.38 95.38 95.38 95.38 95.38 95.38 95.38 95.38 95.38 95.38 95.38 95.38 95.38 95.38 95.38 95.38 95.38 95.38 95.38 95.38 95.38 95.38 95.38 95.38 95.38 95.38 95.38 95.38 95.38 95.38 95.38 95.38 95.38 95.38 95.38 95.38 95.38 95.38 95.38 95.38 95.38 95.38 95.38 95.38 95.38 95.38 95.38 95.38 95.38 95.38 95.38 95.38 95.38 95.38 95.38 95.38 95.38 95.38 95.38 95.38 95.38 95.38 95.38 95.38 95.38 95.38 95.38 95.38 95.38 95.38 95.38 95.38 95.38 95.38 95.38 95.38 95.38 95.38 95.38 95.38 95.38 95.38 95.38 95.38 95.38 95.38 95.38 95.38 95.38 95.38 95.38 95.38 95.38 95.38 95.38 95.38 95.38 95.38 95.38 95.38 95.38 95.38 95.38 95.38 95.38 95.38 95.38 95.38 95.38 95.38 95.38 95.38 95.38 95.38 95.38 95.38 95.38 95.38 95.38 95.38 95.38 95.38 95.38 95.38 95.38 95.38 95.38 95.38 95.38 95.38 95.38 95.38 95.38 95.38 95.38 95.38 95.38 95.38 95.38 95.38 95.38 95.38 95.38 95.38 95.38 95.38 95.38 95.38 95.38 95.38 95.38 95.38 95.38 95.38 95.38 95	8.28
254	310 TRNSURETH PR,AJC	256	0.07 0.07 0.07 0.07 0.07	94.16	7.14
255	328 URTHRL STRCT, A C	256	0.07	94.23	4.24
256	275 MLG BRST DISTAIC	255	0.07	94.30	10.76
257	120 OTHER CRC OR PR	254	0.07	94.37	9.77
258	299 INBORN MET ERROR	254	0.07	94.44	13.49
259	409 RADIOTHERAPY	251	0.07	94.51	10.39
260	217 SKIN GRAFT HAND	246	0.07 0.07 0.07 0.07 0.07	94.58	11.12
261 262	144 OWN CIRC DY CO	244	0.07	94.65	4.05
263	220 DMUI GIBCDEN DEU	238	0.07	94.72	12.64
264	127 CDDC CNCCCRI X 10	237	0.07	94.79	8.20
265	260 CUB MACE MICCALC	233	0.07	94.86	8.82
266	112 MID DONET USC AC	234	0.07	94.93	6.44 15.04
267	112 MOR RENGI VOC AC	230	0.07 0.07 0.07 0.07 0.07	95.00	23.67
268	156 STM FSO DD A/18	221	0.07	95.07	12.46
269	368 FEM RPRO INFCTNS	220	0.07	95.14	4.24
270	400 LYMPHILEUK.MJ PR	216	0.00	95.20	16.25
271	323 HENRY STONES ALC	214	0.07 0.06 0.06 0.06 0.06 0.06 0.06 0.06	05 33	6.33
272	354 NON-RAD HYST ALC	213	0.06	05 39	15.58
273	061 MYRINGOTOMY A>17	212	0.00	95.30	1.97
274	080 RSP INF&INL A<70	211	0.06	95.50	13.26
275	180 GI OBSTRCTN.AICC	211	0.06	95.56	9.14
276	329 URTHRL STRC.A<70	211	0.06	95.62	3.40
277	341 PENIS PROCS	209	0.06	95.68	6.74
278	366 FEM RPRO MLG, A C	208	0.06	95.74	11.87
279	034 OTH NRV DIS, A& C	207	0.06	95.80	15.38
280	043 HYPHEMA	205	0.06	95.86	4.51
281	212 HIP&FMUR PR,A<18	205	0.06	95.92	15.55
282	416 SEPTICEMIA,A>17	201	0.06 0.06 0.06 0.06	95.98	20.19
283	113 AMP CRC~UP LIMB	200	0.06	96.04	42.07
284	157 ANAL PROCS AJCC	200	0.06	96.10	10.39
285	044 ACUT MJR EYE INF	199	0.06	96.16	6.24
286	045 NEUR EYE DISRDRS	199	0.06	96.22	5.83
287	257 TOT MAST MLG, A C	197	0.06 0.06 0.05	96.28 96.34 96.39 96.44 96.49	15.00
288	079 RSP INF&INFL A C	195	0.06	96.34	21.09
289	003 CRNIOT A<18	187	0.05	96.39	23.11
290	III MJR RCNST VSC,AC	187	0.05 0.05	96.44	20.16
291	USZ CLFT LIPEPLT REP	181	0.05	96.49	10.56
292	205 OTH LIVER DIS, AC	180	0.05	96.54	13.01
293 294	147 PECENT POCCHO	179	0.05 0.05 0.05	96.54 96.59 96.64 96.69 96.74	11.49
294 295	14/ KECTAL KSCTN A C	1/9	0.05	96.64	21.29
295 296	017 NOVED COC DICTOR	1/9	0.05	עה הט	7.54
296 297	OF OWERE ALLCO	1/7	0.05 0.05	96.74	12.63
298	450 NON-EVE DEN DEED	1//	0.05	96.79	13.05
299	335 MID DELUTE DETECT	1/2	0.05	96.79 96.84 96.89 96.94	28.70
300	304 UAR UB BB B1VVV	169	0.05 0.05	90.89	17.16
300	334 OIR OR PR, BLOOD	108	0.05	90.94	5.38

1987 (BIRTHS ARE EXCLUDED FROM THIS DATA)

Order	DRG	Frequency	Percent	Cumulative Percent	Mean Length of Stay
301	398 RTCLEND&IMMN,A C	168	0.05	96.99	9.30
302	146 RECTAL RSCTN, A C		0.05	97.04	27.51
303	246 ARTHROPATHIES, NS		0.05	97.09	9.48
304	431 CHILDHD MNTL DIS				
305			0.05 0.05	97.14 97.19	10.17
306	272 MJR SKN DIS.AICO	163	0.05	97.24	13.73
307	166 APPNDC~CMP DX,AC 272 MJR SKN DIS,A CC 408 MYELO DISRDR,CC 152 MNR BOWEL PR,A C 313 URETHRAL PR,A<70 402 LYMPH LEUK,MM~AC 314 URETHRAL PR,A<18	163	0.05 0.05 0.05 0.05	97.29	7.56
308	152 MNR BOWEL PR.AIC	161	0.05	97 34	14.36
309	313 URETHRAL PR.A<70	161	0.05	97.34 97.39 97.44	7.21
310	402 LYMPHILEUK.MN AC	157	0.05	97 44	11.94
311	4U2 LYMPH LEUK,MN"AC 314 URETHRAL PR,A<18 038 PRIM IRIS PROCS	156	0.05	97.49	4.29
312	038 PRIM IRIS PROCS	153	0.04	97.49 97.53 97.57	6.81
313	092 INTRST LUNG ALCO	152	0.04	97.57	12.08
314	151 PRINL ADHESUS AC	149	0.04	97.61	10.16
315	314 URETHRAL PR,A<18 038 PRIM IRIS PROCS 092 INTRST LUNG A CC 151 PRTNL ADHESLS AC 428 PERS DIS&IMP CON 085 PLRI FFFUSN ALIC	148	0.05 0.04 0.04 0.04	97.61 97.65	24.57
316	085 PLRL EFFUSN AGIC	146	0.04	97 69	12.13
317	100		0.04 0.04 0.04	97.69 97.73 97.77	21.55
318	261 BRST PR"MLG"BIOP	141	0.04	97.77	4.55
319	347 ML RPRO MLG"AICC	135	0.04	97.81	9.88
320	233 OTH MSCL&CONN.AC	132	0.04	97.85	23.64
321	094 PNEUMOTHRX AICC	131		97.89	
322	077 OR RSP, "MJRCH, "C	129	0.04	97.93	
323	193 BLRY TR PR~CH,AC	129	0.04 0.04 0.04	97.93 97.97	18.98
324	455 OTH INJ, TXC"A C	127	0.04	98.01	4.23
325	087 PLM EDEMAGRSP FL	126	0.04 0.04 0.04 0.04 0.03 0.03	98.01 98.05	12.28
326	259 SUB MAST MLG,A C	126	0.04	98.09	R 77
327	304 KID, UR PR"MLG, AC	122	0.04	98.13 98.16	16.62
328	194 BLRY TR PR"CH"AC	119	0.03	98.16	14.39
329	023 NONTR STPR&COMA	118	0.03	98.19	4.54
330	242 SEPTIC ARTHRITIS	118	0.03 0.03 0.03 0.03 0.03 0.03	98.19 98.22	14.79
331	413 OTH MYELO DIS,AC	118	0.03	98.25	19.22
332	002 CRNIOT TR A>=18	117	0.03	98.28 98.31	14.10
333	417 SEPTICEMIA,A<18	117	0.03	98.31	9.91
334	415 OR PR, INF&PAR DS	116	0.03	98.34	13.42
335	032 CONCSN A18-69 CC	115	0.03	98.34 98.37 98.40	2.18
336	412 HIST MALG, ENDSCP	112	0.03	98.40	1.96
337	086 PLRL EFFUSN A<70	106	0.03	98.43	10.50
338	303 KID, UR, BL PR, MLG	104	0.03 0.03 0.03	98.46	
339	338 TESTES PR, MALIG	104	0.03	98.49	
340	462 REHABILITATION	100	0.03 0.03	98.52	7.84
341	009 SPINAL DISEINJ	99	0.03	98.55	6.47
342	456 BURNS, TRANSFERD	99	0.03	98.58	13.63
343	261 BRST PR"MLG"BIOP 347 ML RPRO MLG"A CC 233 OTH MSCL&CONN, AC 094 PNEUMOTHRX A CC 077 OR RSP, "MJRCH," C 193 BLRY TR PR"CH, AC 455 OTH INJ,TXC"A C 087 PLM EDEMARRSP FL 259 SUB MAST MLG, A C 304 KID, UR PR"MLG, AC 194 BLRY TR PR"CH"AC 023 NONTR STPR&COMA 423 SEPTIC ARTHRITIS 413 OTH MYELO DIS, AC 002 CRNIOT TR A>=18 417 SEPTICEMIA, A<18 415 OR PR, INF&PAR DS 032 CONCSN A18-69"CC 412 HIST MALG, ENDSCP 086 PLRL EFFUSN A<70 303 KID, UR, BL PR, MLG 338 TESTES PR, MALIG 462 REHABILITATION 009 SPINAL DISEINJ 456 BURNS, TRANSFERD 220 LWR XTRM PR, A<18 452 TRTMT CMPL, A CC 401 LYMPH LEUK, MN, AC 010 NRVS NEOPL A& CC 420 FEVER UNKN, A<70 046 OTH EYE DS, A>17C 315 OTH KID&UNN PROC 312 URETHRAL PR.A CC	98	0.03 0.03 0.03 0.03 0.03 0.03	98.58 98.61	9.66
344	452 TRTMT CMPL, A CC	98	0.03	98.64	9.41
345	QUI LYMPH   LEUK, MN, AC	96	0.03	98.67 98.70	15.08
346 347	OTO NEVS NEOPL AS ICC	93	0.03	98.70	15.76
	420 FEVER UNKN,AC70	90	0.03	98.73	9.02
348	215 ONU PIDCURE	89	0.03 0.03 0.03 0.03 0.03	98.76	7.64
349	315 OTH KIDEURN PROC	88	0.03	98.79	17.09
350	312 URETHRAL PR,A CC	87	0.03	98.82	8.52

## APPENDIX 4

1987 (BIRTHS ARE EXCLUDED FROM THIS DATA)

Order	DRG	Frequency	Percent	Cumulative Percent	Mean Length of Stay
351	454 OTH INJ, TXC, A C	86	0.03	98.85	11.63
352	168 MOUTH PROCS, A CC	82	0.02	98.87	8.99
353	218 LWR XTRM PR,A CC	82	0.02	98.89	18.02
354	050 SIALOADENECTOMY	79	0.02	98.91	6.13
355	159 HRNIA" ING& FEM, AC	79	0.02	98.93	12.03
356	105 CRDC VLV W/P CCT	78	0.02	98.95	17.53
357	004 SPINAL PROCS	75	0.02	98.97	23.59
358	226 SOFT TISS PR,A C	75	0.02	98.99	13.27
359	433 SUBST-INDCD MNTL	74	0.02	99.01	1.73
360	033 CONCUSSION A<18	73	0.02	99.03	1.78
361	199 HPTOBL DX PR, MLG	69	0.02	99.05	22.20
362	414 OTH MYELO DISTAC	69	0.02	99.07	9.13
363	037 ORBITAL PROCS	66	0.02	99.09	7.15
364	057 T&A TNS, AD A>17	66	0.02	99.11	4.50
365	221 KNEE PROCS, A CC	66	0.02	99.13	25.53
366	150 PRTNL ADHESLS, AC	65	0.02	99.15	20.17
367	192 MNR PNC, LVR, SHNT	64	0.02	99.17	15.92
368	357 UTRS&ADNEXA, MALG	64	0.02	99.19	16.45
369	441 HAND PROC, INJURY	64	0.02	99.21	5.06
370	463 SIGNS&SYMPTMS,CC	61	0.02	99.23	9.15
371	076 OR RSP, MJRCH, CC	58	0.02	99.25	17.38
372	306 PROSTATECTOMY, AC	58	0.02	99.27	12.14
373	124 CRC AMI, CCT&CPLX	56	0.02	99.29	5.02
374	201 OTH HPTBL/PNC PR	56	0.02	99.31	7.13
375	005 XTRACRNL VASC PR	55	0.02	99.33	22.05
376	007 OTH NRV PR A&ICC	55	0.02	99.35	20.67
377	442 OTH OR PR, INJ, AC	55	0.02	99.37	23.85
378	016 NONSP CBV DIS,CC	54	0.02	99.39	12.20
379	200 HPTOBL DX PR~MLG	54	0.02	99.41	20.26
380	216 MUSCL&CONN BIOPS	53	0.02	99.43	10.75
381	427 NEUROSES DEPRSV	53	0.02	99.45	13.06
382	084 MJR CHST TR A<70	52	0.02	99.47	4.42
383	309 MNR BLDR PR~A CC	52	0.02	99.49	10.21
384	432 OTH DX=MNTL DSRD	52	0.02	99.51	5.48
385	114 UP LIMB&TOE AMP	51	0.01	99.52	28.08
386	465 AFTRCR, DX2=MALIG	51	0.01	99.53	9.20
387	291 THYROGLOSSAL PR	50	0.01	99.54	4.32
388	223 UPR XTRM PR,A CC	48	0.01	99.55	15.13
38 <del>9</del>	353 PLVC EVISC,R HYS	46	0.01	99.56	16.98
390	126 ENDOCARDITIS	44	0.01	99.57	22.93
391	293 OTH E,N,M PR~A C	44	0.01	99.58	6.39
392	237 SPRN, STRN, DIS HP	43	0.01	99.59	14.81
393	411 HIST MALG~ENDSCP	43	0.01	99.60	2.53
394	419 FEVER UNKNWN,A C	42	0.01	99.61	11.45
395	447 ALLRGC REAC,A>17	42	0.01	99.62	4.98
396	265 SKN GRFT~ULCR,CC	41	0.01	99.63	11.29
397	191 MJR PNC, LVR, SHNT	39	0.01	99.64	37.79
398	392 SPLENECTOMY, A>17	39	0.01	99.65	20.38
399	214 BACKENECK PR,A C	38	0.01	99.66	31.00
400	307 PROSTATECTOMY AC	38	0.01	99.67	8.84

1987 (BIRTHS ARE EXCLUDED FROM THIS DATA)

Order	DRG	Frequency	Percent	Cumulative Percent	Mean Length of Stay
401	308 MNR BLDR PR,A CC	38	0.01	99.68	10.24
402	345 OTH ML REPROTMLG	37	0.01	99.69	9.97
403	049 MJR HD&NECK PROC	35	0.01	99.70	32.06
404	081 RSP INF&INL A<18	35	0.01	99.71	17.40
405	264 SKN GRFT, ULCR AC	35	0.01	99.72	15.23
406	031 CONCUSSION ALCC	34	0.01	99.73	4.09
407	213 MUSCL&CN TIS AMP	34	0.01	99.74	22.18
408	051 SALV GLND PR~SIA	33	0.01	99.75	4.30
409	083 MJR CHST TR A& C	33	0.01	99.76	11.27
410	067 EPIGLOTTIITIS	32	0.01	99.77	4.31
411	164 APPNDC, CMP DX, AC	32	0.01	99.78	17.13
412	263 SKN GRFT, ULCR, AC	31	0.01	99.79	31.16
413	286 ADRNL&PIT PROCS	30	0.01	99.80	17.43
414	334 MJR PELVIC PR,CC	30	0.01	99.81	25.07
415	393 SPLENECTOMY, A<18	30	0.01	99.82	12.87
416	117 PCMKR REP PLSGN	28	0.01	99.83	6.93
417	115 PCMKR, AMI OR CHF	26	0.01	99.84	12.88
418	406 MYELO DIS,OR,CC	26	0.01	99.85	25.88
419	407 MYELO DIS,OR, CC	26	0.01	99.86	13.46
420	448 ALLRGC READ, A<18	25	0.01	99.87	1.84
421	289 PARATHYROID PROC	20	0.01	99.88	15.40
422 423	330 URTHRL STRC,A<18	18 18	0.01	99.89 99.90	3.44
423	424 OR PR.DX1=MENTAL 439 SKIN GRAFTS,INJR	17	0.01 0.00	99.90	38.06 3.24
424	288 OBESITY OR PROCS	14	0.00	99.90	11.00
426	104 CRDC VLV W/P.CCT	13	0.00	99.90	15.54
427	104 CRDC VLV W/F,CCT	13	0.00	99.90	24.00
428	195 TOT CHLST, CDE, AC	13	0.00	99.90	15.77
429	317 RENAL FLR, DLYSIS	13	0.00	99.90	1.00
430	458 NON-EXT BRN, GRFT	12	0.00	99.90	30.25
431	344 OTH ML REPRO, MLG	11	0.00	99.90	19.82
432	292 OTH E,N,M PR,AIC	8	0.00	99.90	9.88
433	302 KIDNEY TRANSPLAT	š	0.00	99.90	11.00
434	022 HYPRTNS ENCPHLOP	7	0.00	99.90	5.86
435	196 TOT CHLST, CDE AC	7	0.00	99.90	14.86
436	457 EXTENSIVE BURNS	7	0.00	99.90	22.00
437	285 END, NUTR, MET AMP	7 5	0.00	99.90	32.80
438	287 SKN GRFTS, EN, N, M	3	0.00	99.90	48.00
439	118 PULSE GEN REPL	2	0.00	99.90	2.50
441	228 HAND GANGLION PR	1	0.00	99.90	1.00

1988 (BIRTHS ARE EXCLUDED FROM THIS DATA)

Order	DRG	Frequency	Percent	Cumulative Percent	Mean Length of Stay
1	183 MSC DIG DIS,A<70	13727	4.20	4.20	6.15
2	184 MSC DIG DIS,A<18	8276	2.53	6.73	4.99
3	467 OTH HLTH FACTORS	7269	2.22	8.95	5.78
4	364 D&C, CONZTN~MALIG	6248	1.91		5.06
5	098 BRNCH&ASTH A<17	6132	1.88	12.74	
6	270 OTH SKN PR AICC	6027	1.84	14.58	
7	167 APPNDC CMP DX AC	5285	1.62	16.20	
8	088 CHRN PULM OBSTR	5285 5221	1.60	17.80	
ğ	143 CHEST PAIN	4984	1.53	19.33	
10	182 MSC DGSTV DIS.AC	4722	1.45	20.78	
īĭ	070 OMEURI. A<18	4615	1.41	22.19	
12	030 TR ST.CMA<1.A<18	4562	1.40		5.00
13	243 MED BACK PROBS	4480	1.37	24.96	7.21
14	029 TR ST.CMA(1.A(70	3878	1.19	26.15	7.38
15	143 CHEST PAIN 182 MSC DGSTV DIS,AC 070 OM&URI, A<18 030 TR ST,CMA<1,A<18 243 MED BACK PROBS 029 TR ST,CMA<1,A<70 060 TNSECT,ADCT A<18 468 UNRELATED OR PRO	3844	1.18	27.33	
16	468 INDELLATED OF PRO	3486	1.07	28.40	6.75
17	468 UNRELATED OR PRO 039 LENS PROCS 122 CRC DIS, AMI&CV 410 CHEMOTHERAPY	3484	1.07		
18	122 CRC DIS.AMIACV	3331	1.02	29.47 30.49	6.61
19	410 CHEMOTHERAPY	3303	1.01	31.50	
20	014 SPEC CRRRVSC DIS	3301	1.01	32.51	
21	127 HPT PLRESHOCK	3012	0.92	33.43	
22	355 NON-PAD HYST ALC	2809	0.86	34.29	
23	204 DIABETES ACENSE	2007	0.85	35.14	6.40
24	026 SZRCHD A/17 ~CC	2776	0.83	35.14	
25	122 CRC DIS, AMI&CV 410 CHEMOTHERAPY 014 SPEC CRBRVSC DIS 127 HRT FLR&SHOCK 355 NON-RAD HYST~A C 294 DIABETES AGE>35 026 SZR&HD A<17,~CC 140 ANGINA PECTORIS 284 MNR SKIN DIS~A C 119 VEIN LGTN&STRPNG 247 SGN&&SYMP, MSCLSK 169 OTH DGST DX,A<70 254 OTH FX,SPR A<70 089 SMPL PNEU&PL A C 025 SZR&HD A18-69~CC 262 BRST BIOP&EXC~ML 450 TOX EFF,DRG,A<70 062 MYRINGOTOMY A<18 097 BRNCH&ASTH A<70	2663	0.82	36.79	
26	284 MNP SKIN DISTALC	2642	0.81	37.60	
27	119 VEIN ICTMESTERNO	2576	0.79	38.39	6.59
28	113 VEIN EGINASIRENG	2370	0.71	39.10	6.91
29	189 OTH DOST DY ACTO	2303	0.70	39.80	
30	254 OTH FY SPR A/70	2262	0.69	40.49	
31	089 SMPI. PNEILEDI. ALC	2202	0.68	41.17	8.60
32	075 S7P(HD A18_69~CC	2220	0.68	41.85	7.22
33	262 RDST RICOLFYC~MI	2115	0.65		6.27
34	450 TOX FFF DRG AC70	2046	0.63	<b>42.50</b> 43.13	6.61
35	062 MYRINGOTOMY ACIR	2028	0.62	43.75	
36	097 BENCHLASTH ACTO	1972	0.60	44.35	
37	062 MYRINGOTOMY A<18 097 BRNCH&ASTH A<70 162 ING&FML HRN,A<70	1888	0.58	44.93	
38	082 RESP NEOPLASMS	1879	0.58	45.51	8.16
39	198 TOT CHLST CDE AC	1867	0.57	46.08	7.11
40	178 UNCMP PTC LCR AC	1819	0.56	46.64	
41	231 RMVL~HIP&FEM DEV	1611	0.55	47.19	8.84
42			0.55	47.74	
43	252 PY SPRN DIS ACIR	1795	0.55	48.29	
44	340 TSTS PR~MLG,A<18 252 FX,SPRN,DIS A<18 134 HYPERTENSION 041 XTROC PR A<18 256 OTH DX,MSCL&CONN 422 VRL ILL,FVR,A<18 001 SMDL PRILLEP A<18	1763	0.54	48.83	6.24
45	041 XTROC PR ACIA	1718	0.53	49.36	4.36
46	256 OTH DX MSCLECONN	1679	0.51	49.87	
47	422 VRI. II.I. FVR AZIA	1669	0.51	50.38	4.86
48	091 SMPL PNEUGP A<18	1653	0.51	50.89	5.08
49	451 TOX EFF, DRG, A<18 055 MISC EAR, NS, THRT	1607	0.49	51.38	5.36
50	055 MISC EAR, NS, THRT	1538	0.47	51.85	5.46
50	USS HISC LAW, HS, IRKI	1,550	0.47	31.03	3,40

1988 (BIRTHS ARE EXCLUDED FROM THIS DATA)

Order	DRG	Frequency	Percent	Cumulative Percent	Mean Length of Stay
51	395 RED BLD CL,A>17	1515	0.46	52.31	7.95
52	324 URNRY STONES A C	1514	0.46	52.77	5.75
53	125 CRC"AMI, CCT"CPLX		0.46	53.23	8.04
54	073 OTH E,N,T A>17	1500	0.46	53.69	5.59
55	102 OTHR RSP DX A<70		0.45	54.14	5.51
56	369 MNSTRL&OTH F RPR		0.44	54.58	6.00
57	047 OTH EYE DS,A>17	1409	0.43	55.01	5.27
58	209 MJR JOINT PROCS	1404	0.43	55.44	11.82
59	040 XTROC PR A>=18	1371	0.42	55.86	4.21
60	281 SKN TRMA, A<70	1346	0.41	56.27	5.38
61	187 DNTL EXTRERESTOR		0.41	56.68	4.78
62	138 ARRHYTH&CNDC,A C		0.41	57.09	7.70
63	072 NSL TR & DEFORM	1325	0.41	57.50	6.59
64	251 FX,SPRN,DIS A<70	1318	0.40	57.90	5.80
65	101 OTHR RSP DX A CC	1311	0.40	58.30	7.37
66	336 TRNSUR PRSTCT.AC	1300	0.40	58.70	6.87
67	158 ANAL PROCS "A CC	1292	0.40	59.10	8.19
68	322 KID&UR INF,A<18	1290	0.39	59.49	4.85
69	343 CIRCUMCSION, A<18		0.39	59.88	4.68
70	321 KID&UR INF,A<70	1280	0.39	60.27	6.28
71	360 VGNA CRVXAVLV PR	1276	0.39	60.66	6.12
72	266 SKN GRFT~ULCR~CC	1275	0.39	61.05	5.59
73	358 UTRS&ADNEXA~MLG	1257	0.38	61.43	5.70
74	282 SKN TRMA,A<18	1243	0.38	61.81	4.49
75	326 KIDEUR SES,A<70	1200	0.37	62.18	5.95
76	229 HAND PR GANGLION	1192	0.36	62.54	6.47
77	015 TRANS ISCHEM ATT		0.36	62.90	6.65
78	255 OTH FX,SPR A<18		0.36	63.26	4.94
79	074 OTH E,N,T A<18	1169	0.36	63.62	5.81
80	361 LAPSCPY&ENDSC, FE	1168	0.36	63.98	5.87
81	139 ARRHYTH&CNDC A C	1163	0.36	64.34	6.35
82	361 LAPSCPY&ENDSC, FE 139 ARRHYTH&CNDC A C 175 GI HMRRHG A CC 445 MLTPL TRMA,A<70	1129	0.35	64.69	6.01
83	445 MLTPL TRMA,A<70	1113	0.34	65.03	5.74
84	163 HERNIA PROC,A<18	1098	0.34	65.37	4.80
85	298 MISC MET DS,A<18		0.33	65.70	5.14
86	028 TR ST, CMA<1, A& C	1062	0.33	66.03	6.35
87	234 OTH MSCLECONN AC	1062	0.33	66.36	8.38
88	133 ATHRSCLROSIS A C	1055	0.32	66.68	6.76
89	236 FRAC OF HIPAPLVS	1048	0.32	67.00	6.87
90 91	172 DGSTV MALIG,A CC	1046	0.32	67.32	7.93
92	210 HIP&FEMUR PR.A C 012 DEGENR NRVS DIS 278 CELLULITIS,A<70	1035	0.32	67.64	8.35
93	378 CELLULTURE NATE	1004	0.31	67.95	7.33
94	HAS POTETATE	מדים	0.30 0.30	68.25	6.54
95	404 LYMPHILEUR AZZO	965	0.30	68.55 68.85	5.25
96	404 LYMPH LEUK,A<70 179 INFLM BOWEL DIS	959	0.30	69.14	8.78 7.64
97	190 OTH DGST DX,A<18	943	0.29	69.43	4.63
98	090 SMPL PNEUEP A<70		0.28	69.71	8.39
99	466 AFTRCR, DX2=MALIG	927	0.28	69.99	7.30
100	058 T&A TNS,AD A<18	923	0.28	70.27	4.76

1988 (BIRTHS ARE EXCLUDED FROM THIS DATA)

Order	DRG	Frequency	Percent	Cumulative Percent	Mean Length of Stay
101	225 FOOT PROCS	923	0.28	70.55	7.49
102	227 SOFT TISS PR~A C	916	0.28	70.83	5.84
103	130 PRPHL VSC DIS,AC	915	0.28	71.11	6.98
104	132 ATHRSCLROSIS, A C	914	0.28	71.39	7.32
105	295 DIABETES AGE<36	898	0.27	71.66	5.84
106	142 SYNCP&CLLPS, ~A C	894	0.27	71.93	5.84
107	069 OM&URI,A18-69~C	891	0.27	72.20	5.54
108	100 RSP SGN&SY A<70	891	0.27	72.47	6.19
109	171 OTH DGSTV PR~A C	863	0.26	72.73	5.59
110	208 BLRY TR DISTAICC	854	0.26	72.99	5.81
111	337 TRNSUR PRSTCT AC	846	0.26	73.25	6.99
112	128 DP VN THRMBPHLEB	820	0.25	73.50	6.39
113	059 TNSECT, ADCT A>17	807	0.25	73.75	6.35
114	269 OTH SKN PR AICC	800	0.24	73.99	7.05
115	241 CONN TISS DISTAC	795	0.24	74.23	7.53
116	123 CRC DIS, AMI, XPRD	794	0.24	74.47	6.10
117	035 OTH NRVS DIS, AC	776	0.24	74.71	5.66
118	215 BACK&NECK PRTAIC	771	0.24	74.95	8.79
119	339 TSTS PR~MLG,A>17	766 765	0.23	75.18	6.25
120	320 KIDGUR INF, A CC	765	0.23	75.41	8.17
121	403 LYMPH LEUK,A CC	750	0.23	75.64	7.89
122	131 PRPHL VSC DIS~AC	745 722	0.23	75.87	6.97
123	161 ING&FML HRN,A CC	722	0.22	76.09	6.39
124	121 CRC DIS, AMI&E, CC	716 716 716 707	0.22	76.31	6.82
125	174 GI HMRRHG,A CC	716	0.22	76.53	5.91
126	249 AFTERCARE, MSCLSK	707	0.22	76.75	6.92
127	325 KID&UR SG&SY,A C	705 699	0.22	76.97	6.79
128	305 KID,UR PR~MLG~AC	699	0.21	77.18	6.40
129	461 OR PR, DX=OTH CTC	695	0.21	77.39	6.53
130	356 FEM RPR RCNST PR		0.21	77.60	5.74
131	301 ENDCRN DIS~A CC	688	0.21	77.81	6.52
132	333 OTH KID&UR,A<18	681	0.21	78.02	5.14
133	446 MLTPL TRMA,A<18		0.21	78.23	5.04
134	239 PATH FREMSCL MLG	676	0.21	78.44	8.75
135	153 MNR BOWEL PR"A C	671	0.21	78.65	6.64
136	332 OTH KID&UR,A<70	656	0.20	78.85	7.64
137	316 RENAL FLR DLYSIS	648	0.20	79.05	8.15
138	155 STM, ESO, DD A<70	643	0.20	79.25	7.66
139	352 OTH ML REPRO DX	640	0.20	79.45	4.62
140	173 DGSTV MALIG~A CC	627	0.19	79.64	8.25
141	177 UNCMP PTC LCR,AC	624	0.19	79.83	7.02
142	096 BRNCH&ASTH AICC	623	0.19	80.02	6.48
143	148 MJR BOWEL PR,AJC	618	0.19	80.21	7.78
144	065 DYSEQUILIBRIUM	013	0.19	80.40	
145	245 BONE DISEASE AIC	615	0.19	80.59	7.39
1.46	141 SYNCP&CLLPS,A CC	596	0.18	80.77	
147	188 OTH DGSTV DX,A C	596 596 592	0.18	80.95	
148	359 TUBAL INTRRP"MLG	592	0.18	81.13	3.79
149	235 FRACTR OF FEMUR	590	0.18	81.31	7.42
150	107 CRNRY BYPS, CCTH	584	0.18	81.49	7.88

1988 (BIRTHS ARE EXCLUDED FROM THIS DATA)

Order	186 DNTL DIS~XT,A<18 426 DEPRSV NEUROSES 464 SIGNS&SYMPTMS~CC 250 FX,SPR ARM&FT,AC 405 LYMPH LEUK,A<18 253 OTH FX,SPR A CC 048 OTH EYE DIS,A<18 274 MLG BRST DIS,A C 430 PSYCHOSES 297 MISC MET DS,A<70 185 DNTL DIS~XT,A>17 460 NON~EXT BRN~OR P 207 BLRY TR DIS,A C 243 MNR SKIN DIS,A C 243 MNR SKIN DIS,A C 244 SZR&HDACH A& CC 149 MJR BOWEL PR~A C 071 LARYNGOTRCHEITS 268 SKN,SUBCT&BR PLS 279 CELLULITIS,A<18 248 TNDNTS,MYSTS,BRS 042 INTROC PR,~R,I,L 013 MP SCLER&CRBL AT 244 BONE DISEASE,A C 064 ER,NS,THRT MALIG 019 CRNL&PRPH ~A,CC 219 LWR XTRM PR,A<70 145 OTH CIRD DX,~CC 350 MALE REPRO INFLM 296 MISC MET DIS,A C 311 TRNSURETH PR~A C 311 TRNSURETH PR~A C 290 THYROID PROCS 165 APPNDC,CMP DX~AC 421 VIRAL ILLNS,A>17 020 NRV INF ~VRL MNG 222 KNEE PROCS~A CC 470 UNGROUPABLE 273 MJR SKN DIS~A CC 154 STM,ESO,DD PR,AC 418 PSTOP&PSTTR INFC 206 OTH LIVER DIS~AC 362 LAPRSCPC TBL INT 346 ML RPRO MLG,A CC 197 TOT CHLST~CDE,AC 078 PULMNRY EMBOLISM 397 COAGULATION DSRD 435 DRUG USE DEPNONC 137 CRDC CNG&VV,A<18 203 HPTOBL PNC MALIG 056 RHINOPLASTY 449 TOX EFF,DRGS,A C	Frequency	Percent	Cumulative Percent	
151	186 DNTL DIS~XT,A<18	582	0.18	81.67	4.58
152	426 DEPRSV NEUROSES	582	0.18	81.85	7.54
153	464 SIGNSASYMPTMS~CC	570	0.17	82.02	6.21
154	250 FX.SPR ARMAFT.AC	569	0.17		
155	405 LYMPHILEUK.A<18	566	0.17	82.19 82.36	4.92
156	253 OTH FX.SPR ALCC	565	0.17	82 52	7.04
157	048 OTH EYE DIS.A<18	554	0.17	82.70	4.32
158	274 MLG BRST DIS.AIC	550	0.17 0.17	82.70 82.87	9.10
159	430 PSYCHOSES	531	0.16	83.03	Ω 1Λ
160	297 MISC MET DS.A<70	530	0.17 0.16 0.16	83.19	5.68
161	185 DNTL DISTXT.A>17	524	0.16		6.58
162	460 NON-EXT BRN OR P	521	0.16	83.51	4.93
163	207 BLRY TR DIS.AICC	517	0.16 0.16 0.16	83.51 83.67	6.58
164	283 MNR SKIN DIS.AIC	517	0.16	83.83	7.27
165	024 SZR&HDACH A&ICC	512	0.16 0.16	83.83 83.99	7.24
166	149 MJR BOWEL PRAIC	505	0.15	84.14	8.43
167	071 LARYNGOTRCHEITS	504	0.15 0.15	84.29	4.62
168	268 SKN, SUBCT&BR PLS	500	0.15	84.44	7.44
169	279 CELLULITIS A<18	500	0.15	0.4 50	4.15
170	248 TNDNTS, MYSTS, BRS	487	0.15	84.74	6.94
171	042 INTROC PR, "R,I,L	482	0.15	84.89	5.56
172	013 MP SCLER&CRBL AT	468	0.14	84.89 85.03 85.17	7.53
173	244 BONE DISEASE, A C	465	0.14	85.17	9.05
174	064 ER, NS, THRT MALIG	457	0.14	85.31	9.95
175	019 CRNL&PRPH "A,CC	455	0.14	85.31 85.45 85.59	6.54
176	219 LWR XTRM PR,A<70	455	0.14	85.59	8.95
177	145 OTH CIRD DX, CC	449	0.14 0.14	85.73 85.87 86.01 86.15 86.29	6.20
178	350 MALE REPRO INFLM	448	0.14 0.14 0.14 0.14 0.14 0.13	85.87	5.52
179	296 MISC MET DIS,A C	446	0.14	86.01	6.24
180	311 TRNSURETH PRTAC	446	0.14	86.15	6.93
181	290 THYROID PROCS	444	0.14	86.29	7.46
182	165 APPNDC, CMP DX~AC	430	0.13	86.42 86.55 86.68	5.49
183	421 VIRAL ILLNS,A>17	429	0.13	86.55	5.66
184	020 NRV INF "VRL MNG	428	0.13	86.68	5.37
185	222 KNEE PROCSTA CC	427	0.13	86.81	8.37
186	470 UNGROUPABLE	420	0.13	86.81 86.94 87.07 87.20 87.32 87.44	6.29
187	273 MJR SKN DIS~A CC	415	0.13	87.07	6.66
188	154 STM, ESO, DD PR, AC	410	0.13	87.20	8.06
189	418 PSTOP&PSTTR INFC	408	0.12	87.32	7.68
190	206 OTH LIVER DISTAC	407	0.12 0.12 0.12	87.44	5.50
191	362 LAPRSCPC TBL INT	406	0.12	87.56	5.18
192	346 ML RPRO MLG, A CC	405	0.12	87.68	10.09
193	197 TOT CHLST CDE, AC	403	0.12	87.80	7.78
194	U/8 PULMNRY EMBOLISM	395	0.12 0.12 0.12 0.12 0.12 0.12	87.44 87.56 87.68 87.80 87.80 87.80 88.16	7.16
195	39 / COAGULATION DSRD	395	0.12	88.04	5.43
196	435 DRUG USE DEPNDNC	394	0.12	88.16	6.85
197 198	13/ CRUC CNG&VV,AC18	390	0.12	88.28	5.73
198	056 BUINOBILEME	390	0.12	00.40	7.50
200	449 TOV FEE DECE ATC	202	0.12	88.52	6.70
200	447 TOX EFF, DRGS, A C	382	0.12	88.64	6.74

1988 (BIRTHS ARE EXCLUDED FROM THIS DATA)

Order	DRG	Frequency		Cumulative Percent	Mean Length of Stay
201	211 HIP&FMUR PR,A<70 409 RADIOTHERAPY 011 NRVS NEOPL A,CC 423 OTH INF&PAR DIS 280 SKN,SUBCT TR,AC 453 TRTMT CMPLA CC 001 CRNIOT A>=18 TR 348 BNGN PRST HYP,AC 054 SNS&MAST PR A<18 327 KID&UR S&S,A<18 425 PSYCHOSOC DYSFNC 267 PRANL&PILONDL PR 342 CIRCUMCSION,A>17 399 RTCLEND&IMNA C 204 PANC DIS MALIG 351 STERILIZATION,ML 129 CARDIAC ARREST 310 TRNSURETH PR,A C 331 OTH KID&UR DX,AC 021 VIRAL MENINGITIS 053 SNS&MAST PR A>17 095 PNEUMOTHRX A,CC 271 SKIN ULCERS 258 TOT MAST MLGA C 396 RED BLD CL,A<18 429 ORG DISTRB&M RET 224 UPR XTM PRA CC 238 OSTEOMYELITIS 363 D&C,CON,R-I,MALG 075 MJR CHEST PROCS 093 INTRST LUNG A,C 240 CONN TISS DIS,AC 169 MOUTH PROCSA CC 440 WOUND DEBRD,INJR 443 OTH OR PR,INJAC 036 RETINAL PROCS 319 KID&UR NEOPA CC 099 RESP SGN&SY A CC 160 HRN ING&FEM,A<70 367 FEM RPRO MLGA C 136 CRDC CNG&VV,A<70 318 KID&UR NEOPA CC 135 CRDC CNG&VV,A<70 319 KID&UR NEOPA CC 135 CRDC CNG&VV,A<70 310 KID&UR NEOPA CC 135 CRDC CNG&VV,A<70 311 KID&UR NEOPA CC 135 CRDC CNG&VV,A<70 310 KID&UR NEOPA CC 135 CRDC CNG&VV,A	377	0.12	88.76	8.71
202	409 RADIOTHERAPY	377	0.12	88.88	8.16
203	011 NRVS NEOPL "A,CC	372	0.11	88.99	7.31
204	423 OTH INF&PAR DIS	366	0.11	89.10	6.09
205	280 SKN, SUBCT TR, AC	360	0.11	89.21	5.53
206	453 TRTMT CMPL~A CC	359	0.11	89.32	6.51
207	001 CRNIOT A>=18 TR	358	0.11	89.43	
208	348 BNGN PRST HYP,AC	358	0.11	89.54	
209	054 SNS&MAST PR A<18	352	0.11	89.65	
210	327 KIDEUR SES,A<18	352	0.11	89.76	
211	425 PSYCHOSOC DYSFNC	352	0.11	89.87	
212	267 PRANL&PILONDL PR	351	0.11	89.98	
213	342 CIRCUMCSION, A>17	351	0.11	90.09	
214	399 RTCLEND&IMMN A C	351	0.11	90.20	
215	204 PANC DIS MALIG	349	0.11 0.11	90.31 90.42	7.71 5.48
216	351 STERILIZATION, ML	346	0.11	90.53	
217	129 CARDIAC ARREST	340	0.11	90.64	
218	310 TRNSURETH PR,A C	340	0.11	90.74	7.70
219 220	A31 OTH KIDGUR DX,AC	340	0.10	90.84	4.59
221	053 CHCCMACT DD AV17	333	0.10	90.94	
222	095 BNEUMOTHRY "A CC	333	0.10	91.04	
223	271 SKIN HICERS	331	0.10	91.14	
224	258 TOT MAST MIGTAIC	330	0.10	91.24	
225	396 RED BLD CL A(18	330	0.10	91.34	4.51
226	429 ORG DISTRBAM RET	328	0.10	91,44	
227	224 UPR XTRM PR AICC	321	0.10	91.54	6.79
228	238 OSTEOMYELITIS	318	0.10	91.64	6.07
229	363 D&C.CON.R-I.MALG	316	0.10	91.74	7.39
230	075 MJR CHEST PROCS	315	0.10	91.84	9.02
231	093 INTRST LUNG ~A,C	315	0.10	91.94	7.26
232	240 CONN TISS DIS.AC	315	0.10	92.04	7.58
233	169 MOUTH PROCS A CC	314	0.10	92.14	4.79
234	440 WOUND DEBRD, INJR	304	0.09	92.23	
235	443 OTH OR PR, INJ AC	304	0.09	92.32	6.87
236	036 RETINAL PROCS	301	0.09	92.41	5.43
237	319 KID&UR NEOP~A CC	301	0.09	92.50	
238	099 RESP SGN&SY A CC	299	0.09	92.59	
239	181 GI OBSTRCTN~A CC	299	0.09	92.68	
240	160 HRN"ING&FEM,A<70	294	0.09	92.77	
241	367 FEM RPRO MLG"A C	291	0.09	92.86	9.21
242	136 CRDC CNG&VV,A<70	290	0.09	92.95	7.21
243	318 KIDEUR NEOP, A CC	286	0.09	93.04	
244	135 CRDC CNGEVLV,A C	282	0.09	93.13	6.92
245	112 MJR RCNST VSC AC	281	0.09	93.22	
246	434 DRUG DEPENDENCE	781	0.09	93.31	6.16
247	UDS OTH E,N,T UR PR	280	0.09	93.40	7.53
248	114 DOMED TANTIOUS	208	0.08 0.08	93.48 93.56	9.41 7.62
249	110 PEMAK, AMIJUHE	400	0.08		
250	202 OTH REW KENO EK	200	0.08	93.64	5.62

1988 (BIRTHS ARE EXCLUDED FROM THIS DATA)

Order	277 CELLULITIS,A CC 217 SKIN GRAFT HAND 276 "MALIG BRST DIS 006 CARPL TUNNEL RLS 300 ENDCRN DIS,A CC 202 CIRHAALC HPTTIS 329 URTHRL STRC,A<70 156 STM,ESO,DD A<18 328 URTHRL STRCT,A C 299 INBORN MET ERROR 146 RECTAL RSCTN,A C 249 BNGN PRST HYP AC 120 OTHER CRC OR PR 144 OTH CIRC DX,CC 444 MLTPL TRAUMA,A C 157 ANAL PROCS A CC 180 GI OBSTRCTN,A CC 110 MJR RCSTR VSC,AC 230 RMVL,HIP&FEM DEV 341 PENIS PROCS 018 CRNL&PRPH A& CC 354 NON-RAD HYST,A C 416 SEPTICEMIA,A>17 043 HYPHEMA 170 OTH DGSTV PR,A C 400 LYMPH LEUK,MJ PR 038 PRIM IRIS PROCS 323 URNRY STONES,A C 368 FEM RPRO INFCTNS 176 CMPL PEPTIC ULCR 431 CHILDHD MNTL DIS 113 AMP CRC "UP LIMB 152 MNR BOWEL PR,A C 068 OM&URI, A& CC 034 OTH NRV DIS,A& C 079 RSP INF&INFL A C 070 RSP INF&INFL A C 071 NONSP CBC DIS~CC 072 MJR SKN DIS,A C 073 MJR SKN DIS,A C 074 MJR RCNST VSC,AC 075 RSP DIS&IMP CON	Prequency	Percent	Cumulative Percent	of Stay
251	277 CELLULITIS,A CC	264	0.08	93.72 93.80	6.72
252	217 SKIN GRAFT HAND	262	0.08 0.08 0.08 0.08	93.80	5.91
253	276 ~MALIG BRST DIS	260	0.08	93.88	7.32
254	006 CARPL TUNNEL RLS	259	0.08	93.96	9.35
255	300 ENDCRN DIS.AICC	258	0.08	93.96 94.04	10.93
256	202 CIRRHEALC HPTTIS	256	0.08	94.12	8.15
257	329 URTHRL STRC,A<70	250	0.08	94.20	6.18
258	156 STM, ESO, DD A<18	249	0.08 0.08 0.08	94.28	4.94
259	328 URTHRL STRCT, A C	249	0.08	94.36	6.58
260	299 INBORN MET ERROR	241	0.07	94.43	6.90
261	146 RECTAL RSCTN, AIC	240	0.07	94.50	7.56
262	260 SUB MAST MLG"AIC	240	0.07	94.57	7.62
263	349 BNGN PRST HYP*AC	240	0.07 0.07 0.07	94.12 94.20 94.28 94.36 94.50 94.57 94.64	5.59
264	120 OTHER CRC OR PR	238	0.07	94.71	6.25
265	144 OTH CIRC DX,CC	235	0.07	94.78	8.06
266	444 MLTPL TRAUMA, A   C	235	0.07 0.07 0.07 0.07 0.07	94.71 94.78 94.85 94.92 94.99	6.78
267	157 ANAL PROCS AICC	230	0.07	94.92	7.03
268	180 GI OBSTRCTN, A CC	226	0.07	94.99	6.81
269	110 MJR RCSTR VSC,AC	225	0.07 0.07 0.07	95.06 95.13 95.20	9.87
270	230 RMVL, HIPEFEM DEV	223	0.07	95.13	7.12
271	341 PENIS PROCS	223	0.07	95.20	5.28
272	018 CRNLEPRPH A&   CC	222	0.07 0.07 0.07 0.07 0.07 0.07 0.07 0.06 0.06	95.27 95.34	9.47
273	354 NON-RAD HYST, A C	222	0.07	95.34	6.65
274	416 SEPTICEMIA,A>17	222	0.07	95.41 95.48 95.55	6.73
275	043 HYPHEMA	221	0.07	95.48	4.92
276	170 OTH DGSTV PR,A C	218	0.07	95.55	7.00
277	400 LYMPH LEUK,MJ PR	218	0.07	95.62 95.68	6.06
278	038 PRIM IRIS PROCS	212	0.06	95.68	4.79
279	323 URNRY STONES,A C	210	0.06	95.74	6.26
280	368 FEM RPRO INFCTNS	207	0.06	95.80	5.82
281	176 CMPL PEPTIC ULCR	200	0.06	95.74 95.80 95.86	6.86
282	431 CHILDHD MNTL DIS	199	0.06 0.06 0.06	95.92 95.98 96.04	4.19
283	113 AMP CRC UP LIMB	190	0.06	95.98	10.06
284	152 MNR BOWEL PR,AIC	186	0.06	96.04	6.63
285	068 OMEURI, AEJCC	185	0.06	96.10 96.16	5.99
286	034 OTH NRV DIS, ALC	184	0.06	96.16	6.29
287	0/9 RSP INF&INFL AC	176	0.05	96.21	7.23
288	366 FEM RPRO MLG,AIC	176	0.05	96.21 96.26 96.31	7.82
289	394 OTH OR PR,BLOOD	176	0.05	96.31	5.84
290	455 OTH INJ, TXC A C	176	0.05	96.36	6.19
291	01/ NONSP CBC DIS CC	175	0.05	96.41	7.06
292	044 ACUT MJR EYE INF	174	0.05	96.46	4.92
293	212 HIPEPMUR PR,AC18	172	0.06 0.06 0.05 0.05 0.05 0.05 0.05 0.05	96.36 96.41 96.46 96.51 96.56	7.08
294	045 NEUR EYE DISRDRS	171	0.05	96.56	4.66
295	25/ TOT MAST MLG,A C	171	0.05	96.61	7.42
296	4/4 MJK SKN DIS,A CC	170	0.05	96.66	7.47
297 298	UDI MYKINGUTUMY A>1/	169	0.05	96.71	5.06
298	All uter MAIC PROCES	168	0.05	96.76	8.39
100	ATA DESC MALG, ENDSCP	108	0.05	96.61 96.66 96.71 96.76 96.81 96.86	6.45
100	WAS PERS DISEIRE CON	100	0.05	90.86	7.45

1988 (BIRTHS ARE EXCLUDED FROM THIS DATA)

Order	DRG	Frequency	Percent	Cumulative Percent	Mean Length of Stay
301 302 303 304 305 306 307 308 309 310 311 312 313 314 315 316 317 318 319 320 321 322	233 OTH MSCL&CONN, AC 008 OTH NRV PR ~A, CC 147 RECTAL RSCTN~A C 003 CRNIOT A<18 085 PLRL EFFUSN A& C 080 RSP INF&INL A<70 105 CRDC VLV W/P~CCT 023 NONTR STPR&COMA 193 BLRY TR PR~CH, AC 205 OTH LIVER DIS, AC 398 RTCLEND&IMMN, A C 408 MYELO DISRDR, CC 313 URETHRAL PR, A<70 314 URETHRAL PR, A<70 314 URETHRAL PR, A<70 314 URETHRAL PR, A<70 315 PRTNL ADHESLS~AC 402 LYMPH LEUK, MN~AC 052 CLFT LIP&PLT REP 166 APPNDC~CMP DX, AC 303 KID, UR, BL PR, MLG 246 ARTHROPATHIES, NS	167 166 165 163 160 155 154 154 151 151 149 149 149 149 148 144 142	0.05 0.05 0.05 0.05 0.05 0.05 0.05 0.05	96.91 96.96 97.01 97.06 97.11 97.21 97.26 97.31 97.46 97.45 97.56 97.56 97.70 97.70	8.23 6.14 7.71 6.58 6.56 7.51 8.94 5.10 7.03 6.86 7.58 7.32 8.79 4.31 7.47 5.62 7.76 4.35 5.60 8.30 8.09 6.82
323 324 325 326 327 328 329 330 331 332 333 333	092 INTRST LUNG A CC 010 NRVS NEOPL A& CC 261 BRST PR~MLG~BIOP 304 KID,UR PR~MLG,AC 417 SEPTICEMIA,A<18 087 PLM EDEMAGRSP FL 259 SUB MAST MLG,A C 109 CROTHR PR, PUMP 335 MJR PELVIC PR~CC 312 URETHRAL PR,A CC 462 REHABILITATION 077 OR RSP,~MJRCH,~C	141 139 137 136 134 132 130 124 119 117	0.04 0.04 0.04 0.04 0.04 0.04 0.04 0.04	97.94 97.98 98.02 98.06 98.10 98.14 98.18 98.22 98.26 98.30 98.34 98.38	10.30 7.23 6.10 6.43 4.40 6.66 7.00 5.87 6.91 7.79 15.47 7.89
335 336 337 338 339 340 341 342 343 344 345 346 347 348 349 350	413 OTH MYELO DIS, AC 242 SEPTIC ARTHRITIS 194 BLRY TR PR°CH°AC 415 OR PR, INF6PAR DS 086 PLRL EFFUSN A<70 420 FEVER UNKN, A<70 220 LWR XTRM PR, A<18 094 PNEUMOTHRX A CC 452 TRTMT CMPL, A CC 192 MNR PNC, LVR, SHNT 032 CONCSN A18-69°CC 050 SIALOADENECTOMY 456 BURNS, TRANSFERD 002 CRNIOT TR A>=18 037 ORBITAL PROCS	116 115 113 110 107 106 105 102 101 98 94 91 91	0.04 0.03 0.03 0.03 0.03 0.03 0.03 0.03	98.42 98.46 98.52 98.55 98.58 98.64 98.67 98.70 98.73 98.76 98.79 98.85 98.88	8.15 7.59 8.28 8.39 5.68 4.69 6.50 9.03 8.70

1988 (BIRTHS ARE EXCLUDED FROM THIS DATA)

Order	DRG	Frequency	Percent	Cumulative Percent	Mean Length of Stay
351	046 OTH EYE DS.A>17C	85	0.03	98.91	4.79
352	221 KNEE PROCS,A CC	84	0.03	98.94	9.88
353	159 HRNIA~ING&FEM,AC	82	0.03	98.97	8.16
354	315 OTH KIDSURN PROC	82	0.03	99.00	7.77
355	033 CONCUSSION A<18	80	0.02	99.02	3.65
356	005 XTRACRNL VASC PR	76	0.02	99.04	8.39
357	306 PROSTATECTOMY, AC	76	0.02	99.06	8.84
358	218 LWR XTRM PR,A CC	75	0.02	99.08	8.76
359	009 SPINAL DISEINJ	74	0.02	99.10	6.24
360	414 OTH MYELO DIS~AC	74	0.02	99.12	6.05
361	114 UP LIMBATOE AMP	71	0.02	99.14	8.92
362	419 FEVER UNKNWN, A C	71	0.02	99.16	6.94
363	401 LYMPHILEUK, MN, AC	70	0.02	99.18	8.91
364	463 SIGNS&SYMPTMS,CC	67	0.02	99.20	7.00
365	226 SOFT TISS PR.A C	66	0.02	99.22	8.02
366	433 SUBST-INDCD MNTL	66	0.02	99.24	6.17
367	441 HAND PROC, INJURY	66	0.02	99.26	5.18
368	150 PRTNL ADHESLS, AC	65	0.02	99.28	8.18
369	442 OTH OR PR, INJ, AC	65	0.02	99.30	9.66
370	057 T&A "TNS,AD A>17	62	0.02	99.32	4.82
371	084 MJR CHST TR A<70	60	0.02	99.34	6.38
372	016 NONSP CBV DIS,CC	59	0.02	99.36	6.63
373	309 MNR BLDR PRTAICC	59	0.02	99.38	8.95
374	124 CRC AMI, CCT&CPLX	57	0.02	99.40	5.75
375	357 UTRS&ADNEXA, MALG	57	0.02	99.42	7.00
376	199 HPTOBL DX PR,MLG	55	0.02	99.44	5.25
377	454 OTH INJ, TXC, A C	55	0.02	99.46	5.85
378	168 MOUTH PROCS, A CC	54	0.02	99.48	7.72
379	216 MUSCL&CONN BIOPS	53	0.02	99.50	5.23
380	432 OTH DX-MNTL DSRD	53	0.02	99.52	7.74
361	004 SPINAL PROCS	50	0.02	99.54	11.74
382	200 HPTOBL DX PR"MLG	50	0.02	99.56	6.28
383	307 PROSTATECTOMY~AC	48	0.01	99.57	6.60
384	201 OTH HPTBL/PNC PR	47	0.01	99.58	8.13
385	293 OTH E,N,M PR~A C	46	0.01	99.59	8.00
386	308 MNR BLDR PR,A CC	46	0.01	99.60	6.22
367	049 MJR HD&NECK PROC	45	0.01	99.61	6.58
388	051 SALV GLND PR~SIA	45	0.01	99.62	6.67
389	237 SPRN, STRN, DIS HP	45	0.01	99.63	9.11
390	345 OTH ML REPRO"MLG	45	0.01	99.64	4.29
391	465 AFTRCR, DX2=MALIG	45	0.01	99.65	7.80
392	448 ALLRGC READ, A<18	44	0.01	99.66	4.95
393	067 EPIGLOTTIITIS	43	0.01	99.67	5.84
394	076 OR RSP, MJRCH, CC	43	0.01	99.68	5.93
395	007 OTH NRV PR ALICC	42	0.01	99.69	8.12
396	223 UPR XTRM PR,AICC	42	0.01	99.70	6.95
397	265 SKN GRFT~ULCR,CC	42	0.01	99.71	6.69
398	264 SKN GRFT,ULCR AC	40	0.01	99.72	8.38
399	353 PLVC EVISC,R HYS	40	0.01	99.73	6.25
400	427 NEUROSES DEPRSV	40	0.01	99.74	4.77

APPENDIX 4 189

1988 (BIRTHS ARE EXCLUDED FROM THIS DATA)

Order   DRG		,			,		
401 286 ADRNL&PIT PROCS 38 0.01 99.75 8.05 402 126 ENDOCARDITIS 37 0.01 99.76 15.89 403 191 MJR PNC,LVR,SHNT 37 0.01 99.77 6.81 404 031 CONCUSSION A6 CC 36 0.01 99.78 6.56 405 214 BACKENECK PR,A C 36 0.01 99.79 8.22 406 406 MYELO DIS,OR,CC 36 0.01 99.80 8.56 407 411 HIST MALGENDSCP 36 0.01 99.81 5.00 408 289 PARATHYROID PROC 35 0.01 99.82 8.74 409 081 RSP 1MF6INL Ac18 34 0.01 99.83 6.09 410 291 THYROGLOSSAL PR 34 0.01 99.84 5.62 411 392 SPLENECTOMY,A>17 34 0.01 99.85 9.65 412 447 ALLRGG REAC,A>17 33 0.01 99.86 8.39 413 115 PCMKR,AMI OR CHF 32 0.01 99.87 5.59 414 407 MYELO DIS,OR, *CC 30 0.01 99.88 15.97 415 164 APPNDC,CMP DX,AC 29 0.01 99.89 5.79 416 263 SKN GRFT,ULCR,AC 26 0.01 99.99 5.04 417 213 MUSCL&CN TIS AMP 25 0.01 99.91 7.28 418 424 OR PR,DX1-MENTAL 25 0.01 99.91 7.28 419 106 CRNRY BYPS W/CCT 22 0.01 99.93 7.55 420 117 PCMKR REP*PLSON 21 0.01 99.94 5.62 421 334 MJR PELVIC PR,CC 20 0.01 99.97 7.00 422 083 MJR CHST TR A& C 19 0.01 99.97 7.00 423 393 SPLENECTOMY,A<18 18 0.01 99.97 7.00 424 458 NON-EXT BRN,GRFT 11 0.00 99.97 7.00 425 292 OTH E,N,M PR,A C 13 0.00 99.97 8.08 428 458 NON-EXT BRN,GRFT 11 0.00 99.97 1.35 429 195 TOT CHLST,CDE,AC 10 0.00 99.97 1.35 431 196 TOT CHLST,CDE,AC 10 0.00 99.97 9.33 433 119 CHST TRANFLET AMP 6 0.00 99.97 9.33 434 104 CRDC VLV W/P,CCT 4 0.00 99.97 9.35 435 022 HYPRTNS ENCPHLOP 5 0.00 99.97 9.36 438 287 SKN GRFTS,EN,N,M 4 0.00 99.97 9.70 436 228 HAND GANGION PR 3 0.00 99.97 1.33	Order	DRG		Frequency	Percent		
402 126 ENDOCARDITIS 37 0.01 99.76 15.89 403 191 MJR PNC, LVR, SHNT 37 0.01 99.77 6.81 404 031 CONCUSSION A& CC 36 0.01 99.78 6.56 405 214 BACKENECK PR,A C 36 0.01 99.78 8.22 406 406 MYBLO DIS,OR,CC 36 0.01 99.79 8.22 407 411 HIST MALG ENDSCP 36 0.01 99.81 5.00 408 289 PARATHYROID PROC 35 0.01 99.82 8.74 409 081 RSF INFEINL A<18 34 0.01 99.83 6.09 410 291 THYROGLOSSAL PR 34 0.01 99.84 5.62 411 392 SPLENECTOMY,A>17 34 0.01 99.85 9.65 412 447 ALLRGC REAC,A>17 33 0.01 99.86 8.39 413 115 PCMKR,AMI OR CHF 32 0.01 99.87 5.59 414 407 MYBLO DIS,OR, CC 30 0.01 99.88 15.97 415 164 APPNDC,CMP DX,AC 29 0.01 99.89 5.79 416 263 SKN GRFT;ULCR,AC 26 0.01 99.99 5.04 417 213 MUSCL&CN TIS AMP 25 0.01 99.91 7.28 418 424 OR PR,DXI-MENTAL 25 0.01 99.91 7.28 418 424 OR PR,DXI-MENTAL 25 0.01 99.93 7.55 420 117 PCMKR REP*PLSGN 21 0.01 99.94 5.62 421 334 MJR PELVIC PR,CC 20 0.01 99.97 7.00 423 393 SPLENECTOMY, A<18 18 0.01 99.97 7.00 424 330 WIRTHE STRC,A<18 18 0.01 99.97 7.00 425 292 OTH E,N,M PR,A C 13 0.00 99.97 6.38 427 288 GBESITY OR PROCS 12 0.00 99.97 6.38 428 458 NON-EXT BRN, GRFT 11 0.00 99.97 6.38 431 196 TOT CHLST, CDE,AC 7 0.00 99.97 5.38 433 189 PUSE GEN REPL 8 0.00 99.97 5.38 434 190 CCRYST STRANSPLNT 6 0.00 99.97 5.38 435 022 HYPRTNS ENCPHLOP 5 0.00 99.97 9.33 443 196 TOT CHLST, CDE,AC 7 0.00 99.97 5.38 431 196 TOT CHLST, CDE,AC 7 0.00 99.97 5.38 433 228 HAND GANGLION PR 3 0.00 99.97 1.257 439 228 HAND GANGLION PR 3 0.00 99.97 1.258						Percent	of Stay
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104   031   CONCUSSION A& CC   36   0.01   99.78   6.56     105   214   BACK&NECK PR.A C   36   0.01   99.79   8.22     106   406   MYBLO DIS,OR,CC   36   0.01   99.80   8.56     107   411   HIST MALG_ENDSCP   36   0.01   99.81   5.00     108   289   PARATHYROID PROC   35   0.01   99.82   8.74     109   081   RSF   INFEINL A<18   34   0.01   99.83   6.09     110   291   THYROGLOSSAL PR   34   0.01   99.84   5.62     111   392   SPLENECTOMY,A>17   34   0.01   99.85   9.65     112   447   ALRIGC REAC,A>17   33   0.01   99.86   8.39     113   PCMKR,AMI OR CHF   32   0.01   99.87   5.59     114   407   MYBLO DIS,OR, "CC   30   0.01   99.88   15.97     115   164   APPNDC,CMF DX,AC   29   0.01   99.89   5.79     116   263   SKN GRTT,ULCR,AC   26   0.01   99.91   7.28     117   213   MUSCLECN TIS AMP   25   0.01   99.91   7.28     118   424   OR PR,DXI-MENTAL   25   0.01   99.92   5.64     119   106   CRNRY BYPS W/CCT   22   0.01   99.93   7.55     121   334   MJR PELVIC PR,CC   20   0.01   99.95   3.35     122   0.08   MJR CHST TR A& C   19   0.01   99.95   3.35     124   330   URTHRL STRC,A<18   18   0.01   99.97   7.00     124   330   URTHRL STRC,A<18   15   0.00   99.97   3.53     126   344   OTH   LREPRO,MLG   13   0.00   99.97   6.38     127   288   OBESITY OR PROCS   12   0.00   99.97   6.38     128   428   458   NON-EXT BRN, GRFT   11   0.00   99.97   5.38     129   195   TOT CHLST, CDE, AC   10   0.00   99.97   5.34     129   195   TOT CHLST, CDE, AC   10   0.00   99.97   5.34     138   285   END, NUTR, MET AMP   6   0.00   99.97   9.33     139   228   HAND GANGLION PR   3   0.00   99.97   1.35     140   228   HAND GANGLION PR   3   0.00   99.97   1.35     140   228   HAND GANGLION PR   3   0.00   99.97   1.35     140   228   HAND GANGLION PR   3   0.00   99.97   1.35     140   228   HAND GANGLION PR   3   0.00   99.97   1.35     140   228   HAND GANGLION PR   3   0.00   99.97   1.35     140   228   HAND GANGLION PR   3   0.00   99.97   1.35     140   228   HAND GANGLION PR   3   0.00   99.97   1.35     140							
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429 195 TOT CHLST,CDE,AC 10 0.00 99.97 4.00 430 118 PULSE GEN REPL 8 0.00 99.97 5.38 431 196 TOT CHLST,CDE*AC 7 0.00 99.97 12.57 432 317 RENAL FLR,DLYSIS 7 0.00 99.97 5.14 433 285 END,NUTR,MET AMP 6 0.00 99.97 9.33 434 302 KIDNEY TRANSPLNT 6 0.00 99.97 9.17 435 022 HYPRTNS ENCPHLOP 5 0.00 99.97 9.40 437 104 CRDC VLV W/P,CCT 4 0.00 99.97 4.75 438 287 SKN GRFTS,EN,N,M 4 0.00 99.97 4.75 439 228 HAND GANGLION PR 3 0.00 99.97 28.33 440 439 SKIN GRAFTS,INJR 3 0.00 99.97 1.33	428						
430 118 PULSE GEN REPL 8 0.00 99.97 5.38 431 196 TOT CHLST, CDE~AC 7 0.00 99.97 12.57 432 317 RENAL FLR, DLYSIS 7 0.00 99.97 5.14 433 285 END, NUTR, MET AMP 6 0.00 99.97 9.33 434 302 KIDNEY TRANSPLNT 6 0.00 99.97 9.17 435 022 HYPRTNS ENCPHLOP 5 0.00 99.97 9.40 437 104 CRDC VLV W/P, CCT 4 0.00 99.97 4.75 438 287 SKN GRFTS, EN, N, M 4 0.00 99.97 5.75 439 228 HAND GANGLION PR 3 0.00 99.97 28.33 440 439 SKIN GRAFTS, INJR 3 0.00 99.97 1.33	429			10			
432 317 RENAL FLR, DLYSIS 7 0.00 99.97 5.14 433 285 END, NUTR, MET AMP 6 0.00 99.97 9.33 434 302 KIDNEY TRANSPLNT 6 0.00 99.97 9.17 435 022 HYPRTNS ENCPHLOP 5 0.00 99.97 9.40 437 104 CRDC VLV W/P, CCT 4 0.00 99.97 4.75 438 287 SKN GRFTS, EN, N, M 4 0.00 99.97 5.75 439 228 HAND GANGLION PR 3 0.00 99.97 28.33 440 439 SKIN GRAFTS, INJR 3 0.00 99.97 1.33	430				0.00	99.97	
432 317 RENAL FLR, DLYSIS 7 0.00 99.97 5.14 433 285 END, NUTR, MET AMP 6 0.00 99.97 9.33 434 302 KIDNEY TRANSPLNT 6 0.00 99.97 9.17 435 022 HYPRTNS ENCPHLOP 5 0.00 99.97 9.40 437 104 CRDC VLV W/P, CCT 4 0.00 99.97 4.75 438 287 SKN GRFTS, EN, N, M 4 0.00 99.97 5.75 439 228 HAND GANGLION PR 3 0.00 99.97 28.33 440 439 SKIN GRAFTS, INJR 3 0.00 99.97 1.33	431	196 TOT CHI	ST, CDE AC	7	0.00	99.97	12.57
434 302 KIDNEY TRANSPLNT 6 0.00 99.97 9.17 435 022 HYPRTNS ENCPHLOP 5 0.00 99.97 9.40 437 104 CRDC VLV W/P,CCT 4 0.00 99.97 4.75 438 287 SKN GRFTS,EN,N,M 4 0.00 99.97 5.75 439 228 HAND GANGLION PR 3 0.00 99.97 28.33 440 439 SKIN GRAFTS,INJR 3 0.00 99.97 1.33	432				0.00	99.97	5.14
435 022 HYPRTNS ENCPHLOP 5 0.00 99.97 9.40 437 104 CRDC VLV W/P,CCT 4 0.00 99.97 4.75 438 287 SKN GRFTS,EN,N,M 4 0.00 99.97 5.75 439 228 HAND GANGLION PR 3 0.00 99.97 28.33 440 439 SKIN GRAFTS,INJR 3 0.00 99.97 1.33	433	285 END, NUT	TR, MET AMP	6	0.00	99.97	9.33
435 022 HYPRTNS ENCPHLOP 5 0.00 99.97 9.40 437 104 CRDC VLV W/P,CCT 4 0.00 99.97 4.75 438 287 SKN GRFTS,EN,N,M 4 0.00 99.97 5.75 439 228 HAND GANGLION PR 3 0.00 99.97 28.33 440 439 SKIN GRAFTS,INJR 3 0.00 99.97 1.33	434			6	0.00	99.97	9.17
437 104 CRDC VLV W/P,CCT 4 0.00 99.97 4.75 438 287 SKN GRFTS,EN,NM 4 0.00 99.97 5.75 439 228 HAND GANGLION PR 3 0.00 99.97 28.33 440 439 SKIN GRAFTS,INJR 3 0.00 99.97 1.33	435	022 HYPRTNS	ENCPHLOP	5	0.00	99.97	9.40
439 228 HAND GANGLION PR 3 0.00 99.97 28.33 440 439 SKIN GRAFTS,INJR 3 0.00 99.97 1.33	437	104 CRDC VI	LV W/P,CCT	4	0.00	99.97	4.75
439 228 HAND GANGLION PR 3 0.00 99.97 28.33 440 439 SKIN GRAFTS,INJR 3 0.00 99.97 1.33	438				0.00		
440 439 SKIN GRAFTS,INJR 3 0.00 99.97 1.33 441 103 HEART TRANSPLANT 2 0.00 99.97 4.00	439			3	0.00	99.97	28.33
441 103 HEART TRANSPLANT 2 0.00 99 97 4 00	440	439 SKIN GE	RAFTS, INJR	3	0.00	99.97	1.33
	441			2	0.00	99.97	4.00
442 457 EXTENSIVE BURNS 2 0.00 99.97 1.50	442	457 EXTENS	VE BURNS	2	0.00	99.97	1.50

## Appendix 5

Appendix 5 : DRG Ranked in Order of Descending Frequency for Selected Voluntary and Health Board Hospitals, 1988

Category : Health Board

Order	DRG	DRG Name 	No. of   Cases	% of     Cases	% so Far	Average LOS	
1 1	183	MSC DIG DIS,A<70	2,362	3.24		5.57	١
1 2	184	MSC DIG DIS,A<18	2,253	3.10	6.34	5.08	Ļ
3	098	BRNCH&ASTH A<17	1,834			5.04	ļ
	070	OM&URI, A<18	1,362				Ļ
5	039	LENS PROCS	1,350				ļ
	167	APPNDC~CMP DX~AC					Ļ
	467	OTH HLTH FACTORS					ļ
8	880	CHRN PULM OBSTR	1,195				Ļ
	060	TNSECT, ADCT A<18					ļ.
1 10	364	D&C,CONZTN MALIG					Į
	182	MSC DGSTV DIS,AC					Ļ
1 12	030	TR ST, CMA<1, A<18			23.62		ļ
	143	CHEST PAIN	916				ļ.
	270	OTH SKN PR A CC	911				ļ
	029   026	TR ST,CMA<1,A<70					ļ.
1 17	014		866				ļ.
18	294	SPEC CRBRVSC DIS					ļ.
	1 122	DIABETES AGE>35	717 706				ļ.
20	243	CRC DIS,AMI&CV	676				!
	1 127	MED BACK PROBS HRT FLR&SHOCK	662				ļ.
	119	VEIN LGTN&STRPNG					ļ.
23	025	SZRAHD A18-69°CC					!
24	262	BRST BIOP&EXC~ML					!
	125						!
. 22	072	NSL TR & DEFORM	585				ŀ
27	355	NON-RAD HYST AIC					ŀ
	073	OTH E.N.T A>17	541				ŀ
29	410	CHEMOTHERAPY	509				ŀ
30	140	ANGINA PECTORIS	497				1
31	451	TOX EFF, DRG, A<18					ľ
32	284	MNR SKIN DISTAIC					ŀ
	097		453				ŀ
34	422	VRL ILL, FVR, A<18					i
35	091	SMPL PNEU&P A<18				5.80	i
36	047	OTH EYE DS.A>17~	431				i
j 37	450	TOX EFF, DRG, A<70					i
j 38	189	OTH DGST DX,A<70	421				i
j 39	266	SKN GRFT~ULCR~CC	418				i
40	082	RESP NEOPLASMS	416	j 0.57 j			i
41	134	HYPERTENSION	415				i
1 42	336	TRNSUR PRSTCT, AC	404	0.56 j			ì
j 43	198	TOT CHLST CDE AC	401	0.55 j			i
1 44	j 089 j	SMPL PNEUEPL A C		i 0.55 j			i
45	340	TSTS PR~MLG,A<18	401	j 0.55 j	49.27	6.29	İ
46	041	XTROC PR A<18	395			4.68	Ĺ
47	066	EPISTAXIS	385				Ĺ
48	162	ING&FML HRN,A<70	385	j 0.53 j	50.87	6.29	

Category : Voluntary

	Order	DRG	DRG Name	No. of Cases	% of     Cases	% so Far	Average   LOS
١	1	183		3,402	4.97	4.97	8.03
١	2	243	MED BACK PROBS	1,507	2.20	7.17	6.91
1	3	410	CHEMOTHERAPY	1,500	2.19	9.35	8.58
ļ	4	467		1,486	2.17	11.52	
ļ	5	088		1,278	1.87	13.39	
ļ	6	182		1,050	1.53	14.92	
ļ	7	014			1.47	16.39	
	8	143	CHEST PAIN	971	1.42	17.81	7.02
ļ	. 9	270	OTH SKN PR A CC	943			
	10	029	TR ST,CMA<1,A<70			20.52	
1	11	125	CRC~AMI,CCT~CPLX	906		21.84	
	12	127	HRT FLR&SHOCK	895		23.15	
1	13 14	122	CRC DIS,AMI&CV	815		24.34	
	15	167	TNSECT, ADCT A<18	788 786		25.49	
	16	140	APPNDC~CMP DX~AC ANGINA PECTORIS	742		26.63 27.72	
1	17	189	OTH DGST DX,A<70	685		28.72	
1	18	364		661			
1	19	178	UNCMP PTC LCR AC	658		30.64	
1	20	039	LENS PROCS	654	0.95		
i	21	262	BRST BIOP&EXC"ML	628			
i	22	025		624		33.42	, ,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,
ı	23	082	RESP NEOPLASMS	605			
i	24	336	TRNSUR PRSTCT.AC	586		35.16	7.47
ľ	25	450		560			
i	26	089		550			
i	27	324	URNRY STONES"A C	524			
i	28	055		513			
ĺ	29	097	BRNCH&ASTH A<70	493	0.72		
İ	30	254	OTH FX,SPR A<70	490	0.72	39.73	i 6.73 i
İ	31	119	VEIN LGTN&STRPNG	489			j 10.11 j
	32	231	RMVL~HIP&FEM DEV	470			j 9.65 j
-	33	355		464			j 9.45 j
	34	107	CRNRY BYPS, CCTH	453		42.47	
ļ	35	062	MYRINGOTOMY A<18	445			
	36	073	OTH E,N,T A>17	437		43.76	
	37	284	MNR SKIN DIS"A C	434			
ļ	38	162	ING&FML HRN,A<70	431			
ļ	39	215	BACKENECK PRAIC	427			
ļ	40	337	TRNSUR PRSTCT~AC	424			
ļ	41	158	ANAL PROCS TAJCC	420			
ļ	42	210		402			
	43	247	SGNS&SYMP, MSCLSK	394			, ,
	44 45	198		390			
	45	326     466		385		49.17	
	47	294		384	0.56		8.19
	48	321	DIABETES AGE>35   KID&UR INF.A<70	370     362	0.54	50.27	8.12
	40	1 241	VIDEOR INL'W()	502	0.53	50.80	7.28

## Appendix 6

Appendix 6: TRIMED AND UNTRIMED DATA, 1984 FREQUENCY, LENGTH OF STAY AND COEFFICIENT OF VARIATION

	7 1124					••	
DIAGNOSIS RELATED GROUP	UNTRIPHED Frequency	TRIMMED Frequency	PERCENT OF OBS. TRIMMED	untrimmed Length Of Stay	TRIMMED LENGTH OF STAY	untrih <del>h</del> ed Ev	TRIMMED CV
					• • • • • • • • • • • • • • • • • • • •		
1	359	338	5.85	26.20	22.02	0.88	0.59
2	121	115	4.96	17.18	14.14	1.06	0.79
.3	155	142	8.39	23.23	17.65	1.00	0.77
4	110	103	6.36	20.21	16.25	1.01	0.75
5	25	22	12.00	31.64	23.73	0.81	0.58
6	273	247	9.52	4.52	3.32	1.01	0.53
7	75	67	10.67	27.03	17.15	1.24	0.80
8	284	272	4.23	9.01	7.11	1.36	0.73
9	131	121	7.63	24.50	5.32	8.27	0.85
10 11	121	110	9.09	27.36	14.15	2.42	0.70
12	327 1250	294 1148	10.09 8.16	16.37 20.97	8.99 12.08	2.00 4.18	0.93 0.78
13	597	558	6.53	16.75	11.27	2.05	0.78
14	3955	3619	8.50	22.38	13.18	2.65	0.72
15	1240	1168	5.81	9.33	7.47	1.42	0.64
16	75	67	10.67	33.68	14.33	2.36	0.74
17	230	211	8.26	15.83	11.07	1.83	0.71
18	196	185	5.61	12.79	9.42	1.35	0.72
19	494	459	7.09	9.36	6.75	1.35	0.83
20	688	643	6.54	12.52	9.76	1.30	0.59
21	741	709	4.32	6.28	5.33	1.04	0.64
22	17	15	11.76	19.35	12.47	1.12	0.78
23	169	157	7.10	5.84	4.18	1.41	0.69
24	58 <del>9</del>	561	4.75	9.37	6.93	2.18	0.74
25	2724	2552	6.31	5.81	4.59	1.19	0.74
26	2798	2537	9.33	4.49	3.22	1.22	0.65
28	1375	1250	9.09	6.88	3.29	5.93	0.89
29	5392	5016	6.97	2.68	1.81	2.18	0.68
30	6342	5609	11.56	2.38	1.45	6.92	0.45
31	17	17	0.00	9.53	9.53	1.01	1.01
32	93	88	5.38	13.20	1.99	7.91	0.68
33	46	43	6.52	3.17	2.63	0.95	0.83
34 35	287	267 770	6.97	14.31	9.08	2.04	0.82
35 36	818 328	321	5.87 2.13	8.55 9.84	5.99 9.18	2.09 0.72	0.84 0.55
37	120	115	4.17	10.81	8.88	1.18	0.33
38	120	192	2.54	9.32	8.72	0.72	0.70
39	2672	2518	5.76	8.99	7.94	0.89	0.38
40	1318	1244	5.61	3.93	3.09	1.13	0.77
41	1955	1697	13.20	2.77	2.23	0.82	0.40
42	428	402	6.07	10.38	8.84	0.81	0.65
43	368	348	5.43	5.88	5.07	0.77	0.52
44	162	152	6.17	8.09	6.61	0.93	0.68
45	254	248	2.36	7.16	6.67	0.80	0.71
46	137	130	5.11	8.05	6.62	1.07	0.79
47	2510	2391	4.74	5.99	4.94	1.09	0.77
48	804	730	9.20	3.70	2.47	1.64	0.78
49	32	31	3.13	26.19	23.58	0.84	0.70
50	105	99	5.71	7.72	6.86	0.67	0.57
51	38	36	5.26	7.00	4.97	1.54	0.75
52	171	162	5.26	11.58	10.59	0.58	0.34
53	360	334	7.22	6.13	5.07	0.77	0.43

APPENDIX 6

TRIMMED AND UNTRIMMED DATA, 1984
FREQUENCY, LENGTH OF STAY AND COEFFICIENT OF VARIATION

FREQUENCY, LENGTH OF STAY AND COEFFICIENT OF VARIATION								
DIAGNOSIS RELATED GROUP	UNTRIMMED Frequency	TREMMED Frequency	PERCENT OF OBS. TRIMMED	UNTRIMMED LENGTH OF STAY	TRIMMED Length Of Stay	untri <del>mi</del> ed CV	TRIMED CV	
54	208	190	8.65	5.09	4.15	0.75	0.54	
55	2073	1993	3.86	3.99	3.56	0.83	0.56	
56	447	439	1.79	5.20	5.09	0.33	0.30	
57	73	66	9.59	7.32	5.03	1.14	0.48	
58	1064	993	6.67	3.52	3.22	0.50	0.30	
59	1221	1214	0.57	5.55	5.47	0.35	0.28	
60	5985	5923	1.04	4.06	3.96	0.51	0.36	
61	196	185	5.61	2.56	2.09	0.98	0.52	
62	1653	1568	5.14	1.66	1.44	1.06	0.42	
63	1258	1126	10.49	3.45	2.04	2.22	0.61	
64	513	479	6.63	17.17	12.54	1.56	1.05	
65	637	591	7.22	6.52	5.04	1.20	0.65	
66	1173	1088	7.25	4.10	3.21	1.03	0.67	
67	28	28	0.00	5.96	5.96	0.43	0.43	
68	323	302	6.50	11.59	8.69	1.19	0.79	
69	1459	1394	4.46	4.09	3.36	1.15 1.11	0.73 0.65	
70	5296	4992	5.74	3.88	3.19 3.03	0.94	0.78	
71	647	624	3.55	3.45 2.22	1.82	1.01	0.73	
72	434	412	5.07 5.97	3.60	2.85	1.29	0.64	
73	1910	1796 1256	17.31	2.68	1.45	2.07	0.45	
74	1519	324	7.16	24.52	19.91	0.95	0.51	
75 76	349 69	63	8.70	19.80	15.86	0.86	0.57	
76 77	158	149	5.70	12.84	11.03	0.82	0.64	
77 78	483	456	5.59	17.10	13.55	1.54	0.67	
78 79	203	194	4.43	20.72	17.34	1.09	0.85	
80	261	244	6.51	14.15	10.30	1.28	0.81	
81	79	76	3.80	10.30	8.93	0.96	0.73	
82	2263	2169	4.15	13.43	11.42	1.08	0.80	
83	25	23	8.00	17.92	10.87	1.46	0.87	
84	42	39	7.14	6.43	4.97	1.09	0.86	
85	143	139	2.80	16.73	14.88	0.94	0.75	
86	145	144	0.69	10.48	10.21	0.83	0.80	
87	514	474	7.78	15.31	8.88	2.28	0.83	
88	6000	5579	7.02	12.90	10.26	1.44	0.60	
89	2903	2632	9.34	37.75	13.26	5.22	0.68	
90	1265	1210	4.35	22.68	8.97	11.32	0.61	
91	1865	1748	6.27	9.31	6.75	4.32	0.60	
92	129	123	4.65	14.22	11.52	1.22	0.75	
93	316	296	6.33	8.18	6.47	1.08	0.77	
94	146	140	4.11	14.14	12.57	0.77	0.57	
95	406	372	8.37	7.73	6.23	0.86	0.60 0.60	
96	763	732	4.06	10.99	9.52	0.97 0.94	0.63	
97	2221	2099	5.49	7.32 5.02	6.13 4.16	1.09	0.65	
98	4861	4611	5.14	9.49	7.59	1.06	0.73	
99	362	341 906	5.80 5.43	5.47	4.29	1.05	0.73	
100 101	958 1426	906 1321	7.36	17.12	9.33	5.69	0.64	
	1926	1431	7.44	9.98	5.31	13.14	0.67	
102 105	229	216	5.68	13.53	11.37	0.85	0.59	
105	443	408	7.90	9.55	7.50	0.91	0.50	
109	243	225	7.41	21.05	16.70	1.01	0.52	
103	279							

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DIAGNOSIS	UNTRIHHED	TRIMMED	PERCENT	UNTRIPPED	TRIMED	UNTRIMMED	TRIMMED
RELATED	FREQUENCY	FREQUENCY	OF 08S.	LENGTH	LENGTH	CV	CV
GROUP			TRIMMED	OF STAY	OF STAY		
110	205	191	6.83	27.45	23.21	0.77	0.57
111	233	220	5.58	19.63	17.55	0.62	0.45
112	225	215	4.44	17.68	15.30	0.89	0.68
113	217	205	5.53	47.76	38.55	1.11	0.66
114	78	76	2.56	33.85	30.42	0.92	0.66
115	29	29	0.00	19.86	19.86	0.50	0.50
116	361	343	4.99	11.65	10.15	0.76	0.55
117	49	47	4.08	9.73	8.30	0.93	0.68
118	14	14	0.00	7.36	7.36	0.64	0.64
119	2824	2672	5.38	4.91	4.05	1.12	0.51
120	286	252	11.89	12.73	5.74	1.83	1.18
121	745	710	4.70	16.16	14.52	0.67	0.52
122	3595	3347	6.90	13.07	11.34	0.81	0.45
123	1087	992	8.74	13.06	5.21	5.30	1.06
126	50	50	0.00	22.52	22.52	0.94	0.94
127	3581	3331	6.98	13.90	10.63	1.62	0.66
128	998	947	5.11	13.31	11.33	0.94	0.56
129	385	357	7.27	19.03	6.34	8.60	1.06
130	1339	1234	7.84	19.27	11.62	4.78	0.96
131	1319	1204	8.72	10.57	6.67	1.60	0.95
132	1137	1073	5.63	11.19	9.18	1.02	0.67
133	1986	1900	4.33	6.04	5.05	1.11	0.88
134	2469	2327	5.75	8.34	6.74	1.23	0.69
135	442	419	5.20	11.63	9.61	0.97	0.72
136	740	707	4.46	7.06	6.05	0.98	0.83
137 138	<b>426</b> 1271	367 1191	13.85	6.90	3.24	1.80	0.86
139			6.29	10.35	7.96	2.18	0.67
140	1319 2617	1264 2512	4.17 4.01	5.96 7.53	5.13	0.94	0.74
141	600	561	6.50	7.33 7. <b>98</b>	6.46	1.11	0.69
142	1122	1073	4.37	4.45	5.97 3.70	1.50 1.10	0.72
143	4001	3788	5.32	5.36	4.41	1.02	0.81 0.73
144	416	390	6.25	13.68	9.93	1.02	0.73
145	1246	1182	5.14	7.92	6.71	0.88	0.55
146	174	160	8.05	29.43	25.88	0.54	0.37
147	175	165	5.71	25.65	23.27	0.54	0.42
148	591	558	5.58	30.49	26.23	0.85	0.55
149	575	547	4.87	22.30	19.69	0.73	0.56
150	47	44	6.38	22.02	18.36	0.82	0.56
151	100	93	7.00	12.60	11.08	0.58	0.42
152	175	163	6.86	15.53	12.53	0.96	0.63
153	818	780	4.65	6.54	5.18	1.30	0.95
154	437	420	3.89	23.90	21.68	0.70	0.55
155	810	771	4.81	14.88	13.14	0.78	0.57
156	207	192	7.25	13.66	9.15	2.32	0.59
157	216	200	7.41	11.77	9.13	1.05	0.74
158	1529	1456	4.77	6.46	5.36	1.01	0.70
159	84	74	11.90	17.00	12.99	0.77	0.44
160	289	275	4.84	9.13	8.15	0.73	0.49
161	678	638	5.90	11.07	9.60	0.70	0.42
162	2048	1986	3.03	7.67	7.08	1.14	0.37
163	1168	1097	6.08	3.29	2.65	1.08	0.71

TRIMMED AND UNTRIMMED DATA, 1984
FREQUENCY, LENGTH OF STAY AND COEFFICIENT OF VARIATION

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Diagnosis Related Group	UNTRIPMED Frequency	TRIMMED Frequency	PERCENT OF OBS. TRIMMED	UNTRIPPED LENGTH OF STAY	trinmed Length Of Stay	untrimmed CV	TRIMMED CV
164	46	42	8.70	19.65	15.48	0.88	0.49
165	347	318	8.36	9.27	7.90	0.62	0.35
166	224	213	4.91	12.38	10.85	0.72	0.49
167	7413	7038	5.06	6.34	5.87	0.48	0.29
168	72	72	0.00	8.44	8.44	0.78	0.78
169	688	630	B.43	4,44	3.52	0.91	0.61
170	103	98	4.85	24.49	20.73	0.89	0.62
171	435	406	6.67	6.61	4.88	1.22	0.78
172	1063	1008	5.17	16.24	12.75	1.38	0.83
173	776	741	4.51	13.08	10.35	1.51	0.96
174 175	846 1401	811 1336	4.14 4.64	9.15 4.98	7.99 4.04	0.90 1.14	0.72 0.87
175	233	217	6.87	10.00	7.31	1.22	0.84
176	233 672	646	3.87	9.46	7.98	1.17	0.81
178	2378	2211	7.02	3.98	2.94	1.29	0.94
179	897	837	6.69	10.31	7.32	1.53	0.97
180	254	244	3.94	11.41	9.86	0.95	0.73
181	312	295	5.45	7.58	6.09	1.08	0.73
182	4737	4480	5.43	8.07	6.45	1.22	0.79
183	15216	14270	6.22	4.18	3.22	1.39	0.81
184	8884	8100	8.82	3.97	2.72	1.74	0.66
185	766	693	9.53	5.89	3.53	1.57	0.83
186	803	749	6.72	3.09	2.39	1.09	0.75
187	1897	1748	7.85	2.06	1.62	1.31	0.45
188	698	650	6.88	8.06	5.68	1.46	0.98
189	2087	1883	9.77	3.77	2.39	2,47	0.79
190	1197	1082	9.85	3.57	2.44	1.33	0.73
191	33	33	0.00	27.91	27.91	0.58	0.58
192	76	72	5.26	16.55	13.65	1.01	0.88
193	127	123	3.15	22.37	20.06	0.85	0.66
194	138	135	2.17	16.07	15.29	0.83	0.81
195	16	16	0.00	18.69	18.69	0.36	0.36
196	11	11	0.00	16.09	16.09	0.28	0.28
197	478	458	4.18	21.06	19.00	0.67	0.49
198	2366	2215	6.38	12.79	11.68	0.45	0.28
199	25	25	0.00	24.72	24.72	0.44	0.44
200	21	21	0.00	19.24	19.24	0.67	0.67
201	45	44	2.22	17.91	16.66	0.92	0.86
202	287	272	5.23	13.62	11.50	0.95	0.76
203	500	478	4.40	14.99	12.79	0.97	0.77
204	366	350	4.37	10.61	9.03	0.95	0.67
205	203	189	6.90	15.31	11.95	1.07	0.81
206	677	629	7.09	10.12	6.97	2.20	0.78
207	590	562	4.75	11.09	9.57	0.88	0.64
208	1190	1112	6.55	6.48	5.32	0.92	0.66
209	2009	1847	8.06	24.29	21 . 61	0.58	0.25
210	1403	1293	7.84	26.01	20.11	1.19	0.57
211	581	528	9.12	25.18	18.90	0.97	0.59
212	227	211	7.05	25.68	18.92	1.19	0.86
213	56	53	5.36	34.27	24.17	1.54	0.98
214	56	55 870	1.79	24.16	22.71	0.71	0.59
215	926	8/0	6.05	17.87	15.21	0.78	0.49

TRIMMED AND UNTRIMMED DATA, 1984
FREQUENCY, LENGTH OF STAY AND COEFFICIENT OF VARIATION

DIAGNOSIS	UNTRIMMED	TRIMMED	PERCENT	UNTRIMMED	TREMMED	UNTRIMMED	TRIMMED
RELATED	FREQUENCY	FREQUENCY	OF 08S.	Length	LENGTH	CV.	€V.
GROUP			TRIMMED	OF STAY	OF STAY		
24.5	<b>63</b>				*		
216	62	55	11.29	18.79	11.89	1.18	0.90
217	215	193	10.23	12.59	7.64	1.43	0.97
218	162	151	6.79	26.98	23.44	0.69	0.58
219	695	655	5.76	16.17	13.22	1.01	0.70
220 221	167	156	6.59	9.12	6.90	1.19	0.75
222	12 797	12	0.00	13.67	13.67	0.49	0.49
223		765	4.02	6.44	5.73	0.85	0.55
223	56 485	51	8.93	13.18	10.04	0.97	0.76
225		442	8.87	7.58	5.26	1.34	0.62
223 226	1015 83	955 35	5.91	11.02	8.99	1.06	0.66
227	1014	75 897	9.64 11.54	13.76	9.56	1.10	0.79
228	4	4	0.00	6.55 3.25	3.62	1.68	0.76
229	1351	1223	9.47	3.23 4.54	3.25	0.99	0.99
230	374	341	8.82		3.18	1.25	0.64
231	1972	1816	7.91	12.31 5.43	8.69 3.55	1.18 1.77	0.73 0.78
233	211	195	7.58	21.06	3.33 15.44	1.18	0.78
234	2039	1892	7.21	7.82	5.30	1.70	0.78
235	1160	1115	3.88	21.00	17. <b>56</b>	1.23	0.99
236	1307	1179	9.79	14.25	8.63	1.52	1.00
237	81	81	0.00	15.07	15.07	0.99	0.99
238	411	392	4.62	11.74	9.89	1.04	0.75
239	667	624	6.45	11.87	8.54	1.71	0.94
240	432	407	5.79	17.74	14.31	1.01	0.68
241	1012	970	4.15	11.47	9.81	0.99	0.72
242	195	189	3.08	12.70	11.53	0.88	0.79
243	6074	5765	5.09	9.09	7.48	1.09	0.80
244	554	524	5.42	14.87	11.27	1.43	0.74
245	698	656	6.02	8.01	6.35	1.22	0.81
246	236	220	6.78	10.67	8.35	1.07	0.77
247	2785	2583	7.25	5.64	4.23	1.20	0.78
248	557	523	6.10	6.49	4,94	1.21	0.95
249	1896	1646	13.19	2.49	1.21	2.21	0.42
250	571	518	9.28	5.24	3.01	1.60	0.96
251	1762	1528	13.28	2.65	1.54	1.44	0.55
252	2458	2248	8.54	1.74	1.31	1.05	0.43
253	790	715	9.49	10.49	6.28	1.56	0.97
254	2944	2695	8.46	5.35	3.43	1.68	0.88
255	1624	1469	9.54	4.05	2.59	1.55	0.73
256	1779	1640	7.81	6.43	3.90	2.22	0.93
257	167	151	9.58	17.22	14.56	0.60	0.32
258	404	382	5.45	14.09	13.18	0.40	0.29
259	99	92	7.07	11.29	8.58	1.09	0.62
260	179	177	1.12	6.70	6.49	0.83	0.80
261	168	160	4.76	6.26	5.55	0.77	0.64
262	2335	2181	6.60	2.86	2.32	0.94	0.53
263	35	33	5.71	59.06	48.55	1.02	0.89
264	44	42	4.55	27.91	24.12	0.97	0.87
265	43	41	4.65	13.67	11.88	0.99	0.93
266	995	938	5.73	8.87	6.85	1.23	0.99
267	413	390	5.57	8.55	6.98	1.02	0.57
268	698	653	6.45	13.55	10.48	1.17	0.85

APPENDIX 6

TRIMMED AND UNTRIMMED DATA, 1984
FREQUENCY, LENGTH OF STAY AND COEFFICIENT OF VARIATION

FREQUENCY, LENGTH OF STAY AND COEFFICIENT OF VARIATION								
DIAGNOSIS RELATED GROUP	Untrimmed Frequency	TRIPMED Frequency	PERCENT OF OBS. TRIMMED	untrimmed Length Of Stay	TRIMMED LENGTH OF STAY	untrimmed CV	TRIMMED CV	
269	580	525	9.48	8.80	4.45	1.94	1.12	
270	6203	5377	13.32	2.40	1.37	2.08	0.45	
271	539	508	5.75	20.89	16.17	1.25	0.80	
272	173	166	4.05	16.76	15.04	0.82	0.73	
273	523	505	3.44	10.84	9.55	0.94	0.77	
274	514	501	2.53	13.53	12.21	1.01	0.81	
275	304	297	2.30	14.21	12.86	0.98	0.82	
276	378	346	8.47	3.69	2.71	1.17	0.70	
277	347	325	6.34	11.37	9.14	1.01	0.79	
278	1314	1247	5.10	6.33	5.03	1.19	0.78	
279	777	758	2.45	4.34	3.86	0.99	0.72	
280	515	475	7.77	5.86	3.83	1.49	0.97	
261	2033	1800	11.46	3.23	1.98	1.59	0.69 0.71	
282	1490	1368	8.19	2.54	1.83	1.27 1.38	0.71	
283	774	714	7.75 13.15	8.75 4.52	6.32 2.36	1.58	0.79	
284 285	3795 7	3 <b>29</b> 6 7	0.00	41.43	41.43	0.67	0.73	
285 286	32	32	0.00	23.53	23.53	0.65	0.65	
287	32 5	5	0.00	16.00	16.08	0.68	0.68	
288	ì	1	0.00	35.00	35.00			
289	27	25	7.41	12.81	11.68	0.47.	0.40	
290	519	476	8.29	9.32	7.54	0.96	0.39	
291	48	46	4.17	4.46	4.17	0.52	0.45	
292	12	12	0.00	17.25	17.25	0.99	0.99	
293	63	53	15.87	4.86	1.72	1.94	0.87	
294	3341	3189	4.55	9.43	7.58	1.47	0.80	
295	946	911	3.70	7.69	6.57	1.11	0.77	
296	537	503	6.33	11.88	9.28	1.10	0.70	
297	851	801	5.88	8.87	6.57	1.70	0.80	
298	1129	1028	8.95	9.96	6.35	1.71	0.91	
299	195	182	6.67	11.47	7.60	1.84	0.94 0.80	
300	450	423	6.00	14.59 8.43	11.42 6.17	1.20 1.34	0.79	
301	891 4	829 4	6.96 0.00	23.00	23.00	0.95	0.75	
302 303	143	139	2.80	21.46	20.39	0.56	0.50	
303 304	177	168	5.08	18.19	15.30	0.95	0.68	
305	762	735	3.54	12.91	11.50	0.88	0.60	
306	56	51	8.93	17.84	14.55	0.72	0.50	
307	44	41	6.82	16.05	13.90	0.70	0.58	
308	34	33	2.94	14.41	12.73	1.00	0.84	
309	39	39	0.00	17.10	17.10	0.74	0.74	
310	383	362	5.48	8.17	6.32	1.34	0.73	
311	516	493	4.46	4.79	3.96	1.10	0.66	
312	120	111	7.50	8.89	7.05	0.95	0.69	
313	207	190	8.21	5.37	3.96	1.06	0.74	
314	50	48	4.00	11.00	8.96	1.08	0.72	
315	81	76 253	6.17	14.60	11.09	1.28	1.08 0.94	
316	913	857	6.13	14.73	8.98 19.00	4.22 0.98	0.98	
317	3	3	0.00	19.00	19.00 9.64	1.27	0.97	
318 319	365 313	341 285	6.58 8.95	12.59 8.71	5.49	1.44	1.04	
319 320	313 906	285 831	8.28	11.42	8.33	1.15	0.67	
JEU	740	551	0.00		0.00	• • • • •		

TRIPPED AND UNTRIPPED DATA, 1984
FREQUENCY, LENGTH OF STAY AND COEFFICIENT OF VARIATION

DIAGNOSIS RELATED	UNTRIMMED FREQUENCY	TRIMMED FREQUENCY	PERCENT OF 08S.	UNTRIPPED LENGTH	TREMMED LENGTH	UNTRIMMED CV	TRIMMED CV
GROUP			TRIMMED	OF STAY	OF STAY		
321	1805	1688	6.48	4.86	3.78	1.13	0.72
322	1650	1545	6.36	4.93	3.77	1.13	0.72
323	302	287	4.97	7,49	6.24	1.05	
324	1693	1616	4.55	4,54	3.81		0.78
325	1009	958	5.05	8.33		1.03	0.68
326	1693	1594	5.85	4.11	6.62	1.27	0.80
327	474	434	3.63 8.44	4.11 5.20	3.08	1.34	0.77
328	333	307			3.57	1.33	0.76
329	333 381	307 354	7.81 7.09	5.05	3.44	1.42	0.88
330	33	33	0.00	3.32	2.61	1.03	0.68
331	401	367	8.48	3.27 9.42	3.27	0.78	0.78
332	948	367 857	9.60	5.33	6.63	1.25	0.91
333	533	485	9.01	5.86	3.63	1.25	0.76
334	49	47	4.08	24,59	3.71 23.38	1.54	0.82
335	316	308	2.53	19.87		0.43	0.38
336	1099	1032	6.10	15.01	19.00	0.53	0.47
337	789	730	7.48	11.33	12.65 9.94	1.03 0.55	0.44 0.36
338	67	730 64	4.48	10.46	9.14	0.33 0.75	0.55
339	677	644	4.87	5.82	5.14	0.70	0.55
340	2096	2075	1.00	4,29	4.17	0.63	0.55
341	238	236	0.84	8.64	8.26	0.90	0.77
342	438	409	6.62	3.60	3.03	0.90	
343	1386	1247	10.03	2.03	1.67	0.70	0.47 0.43
344	21	20	4.76	14.76	12.20	0.70	0.43
345	29	27	6.90	9.28	6.74		
346	390	368	5.64	12.92	10.89	1.24 0.92	0.94
347	156	146	6.41	10.99	8.47	1.18	0.77 0.95
348	465	435	6.45	9.16	7.02	1.16	0.80
349	268	244	8.96	4.86	3.54	1.06	0.74
350	586	561	4.27	4.67	3.95	1.02	0.77
351	309	304	1.62	1.03	1.00	0.25	0.00
352	692	642	7.23	3.42	2.59	1.14	0.73
353	35	34	2.86	24.26	22.71	0.67	0.73
354	190	179	5.79	17.14	15.54	0.49	0.34
355	2211	2096	5.20	12.69	11.73	0.72	0.24
356	643	610	5.13	10.23	9.45	0.52	0.42
357	47	47	0.00	19.70	19.70	0.51	0.51
358	1122	1098	2.14	7.25	6.75	0.80	0.69
359	608	500	17.76	3.19	2.65	0.69	0.22
360	1295	1278	1.31	6.64	6.24	1.01	0.88
361	921	841	8.69	2.93	2.38	0.82	0.29
362	14	14	0.00	3.79	3.79	0.48	0.48
363	167	154	7.78	6.32	4.62	1.12	0.64
364	5797	5396	6.92	2.56	2.11	1.06	0.35
365	228	217	4.82	11.53	10.27	0.68	0.50
366	272	258	5.15	17.51	14.38	1.04	0.81
367	503	445	11.53	12.21	7.57	1.75	0.93
368	298	283	5.03	5.61	4.55	1.15	0.68
369	1929	1707	11.51	4.00	2.54	1.48	0.70
370	244	226	7.38	14.86	11.44	1.05	0.80
371	4175	3753	10.11	11.78	9.16	1.04	0.43
372	848	747	11.91	9.39	7 <b>.2</b> 1	0.77	0.40

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TRIMMED AND UNTRIMMED DATA, 1984
FREQUENCY, LENGTH OF STAY AND COEFFICIENT OF VARIATION

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Diagnosis Related Group	UNTRIPPED Frequency	TRIMMED Frequency	PERCENT OF 085.	UNTRIMMED LENGTH	TRIMMED LENGTH	untrihhed CV	TRIMMED CV
OKBUP			TRIMED	OF STAY	OF STAY		
373	54905	51864	5.54	5.81	4,94	1.31	0.33
385	1426	1095	23.21	0.91	0.00	2.72	,
386	38	30	21.05	3.87	0.00	2.76	•
387	44	38	13.64	4.43	1.45	1.86	2.06
388	723	691	4.43	3.61	2.72	1.59	1.39
389	593	579	2.36	4.55	4.07	1.03	0.80
390	1106	1035	6.42	5.04	4.43	0.73	0.55
391	56943	54974	3.46	4.91	4.59	0.79	0.39
392	39	37	5.13	28.26	17.65	2.09	0.67
393 394	16 201	14 184	12.50 8.46	11.25 5.21	9.36 3.49	0.57	0.40 0.80
395	2052	1961	4.43	10.84	3.99 8.94	1.29 1.23	0.80
396	302	280	7.28	7.16	5.13	1.23	0.84
397	698	639	8.45	5.98	3.78	1.55	1.02
398	144	135	6.25	9.79	7.21	1.34	0.99
399	449	424	5.57	4.67	3.60	1.29	0.86
400	84	81	3.57	21.89	20.22	0.70	0.63
401	72	65	9.72	19.90	14.77	0.96	0.72
402	137	130	5.11	13.72	10.70	1.19	0.84
403	836	792	5.26	13.73	11.26	1.09	0.84
404	1291	1192	7.67	11.69	8.08	1.55	0.99
405	484	426	11.98	6.83	3.22	1.90	1.06
406	13	12	7.69	48.54	36.58	1.01	0.68
407 408	10 152	10 139	0.00	20.20	20.20	0.50	0.50
408	217	208	8.55 4.15	8.33 12.23	5.77 10.59	1.24 0.97	1.01 0.80
410	2567	2347	8.57	3.38	2.25	1.47	0.82
411	139	122	12.23	3.16	1.95	1.27	0.62
412	49	46	6.12	2.59	1.98	1.08	0.56
413	170	163	4.12	16.52	14.36	0.95	0.81
414	120	115	4.17	15.51	13.69	0.88	0.77
415	139	126	9.35	17.88	11.12	1.42	0.83
416	178	160	10.11	51.20	13.44	5.17	0.69
417	142	129	9.15	12.38	9.48	0.97	0.50
418	463	433	6.48	8.45	6.12	1.66	0.76
419 420	57 115	52 109	8.77	12.89	8.81	1.40	0.69
420 421	528	109 487	5.22 7.77	10.11 6.61	7.84 5.36	1.31 0.86	0.67 0.64
422	2229	2078	6.77	4.33	3.33	2.04	0.63
423	278	254	8.63	10.07	6.95	1.23	0.83
424	31	31	0.00	21.58	21.58	0.65	0.65
425	690	644	6.67	8.08	6.52	0.98	0.77
426	968	912	5.79	13.11	10.81	0.98	0.71
427	54	52	3.70	9.22	8.29	0.82	0.72
428	172	164	4.65	22.80	19.48	0.99	88.0
429	515	471	8.54	21.50	11.48	2.08	0.86
430	686	639	6.85	16.09	12.22	1.23	0.77
431	122	104	14.75	11.66	6.35	1.29	0.87
432	103	99	3.88	10.62	9.16	0.92	0.69
433	153	141	7.84	3.77	2.16	3.28	0.93
434 435	452 673	408 639	11.50	3.24	1.68	2.48	0.76
733	6/3	637	5.05	8.42	7.06	1.00	0.76

TRIPPED AND UNTRIPPED DATA, 1984
FREQUENCY, LENGTH OF STAY AND COEFFICIENT OF VARIATION

DIAGNOSIS RELATED GROUP	UNTRIPMED Frequency	TRIMMED Frequency	PERCENT OF OBS. TRIMMED	untrinhed Length Of Stay	TRIMMED Length Of Stay	untrih <del>he</del> d CV	TRIMMED CV
439	8	8	0.00	13.68	13.88	0.88	0.88
440	301	267	11.30	7.14	3.59	1.87	1.02
441	153	144	5.88	4.00	3.10	1.14	0.76
442	112	108	3.57	29.46	25.42	1.09	0.90
443	407	373	8.35	10.07	6.86	1.38	1.11
444	364	328	9.89	7.78	4.82	1.44	0.86
445	1725	1568	9.10	3.96	2.53	2.59	0.75
446	1115	1020	8.52	2.95	2.08	1.24	0.67
447	67	63	5.97	4.66	3.52	1.25	0.84
448	52	51	1.92	4.13	3.49	1.30	0.78
449	488	458	6.15	5.48	4.03	1.37	0.94
450	2361	2142	9.28	3.00	1.99	1.44	0.68
451	2090	1889	9.62	1.90	1.29	1.59	0.45
452	128	124	3.13	15.88	13.03	1.35	0.95
453	495	451	8.89	4.B0	3.11	1.44	0.70
454	77	72	6.49	7.91	5.25	1.52	1.09
455	212	193	8.96	3.00	1.86	1.58	0.65
456	111	102	8.11	13.66	8.37	1.63	1.09
457	6	6	0.00	27.00	27.00	1.02	1.02
458	23	22	4.35	27.61	23.23	0.95	0.70
459	204	197	3.43	32.04	29.01	0.83	0.69
460	855	802	6.20	9.95	7.03	1.84	0.89
461	522	452	13.41	4.84	2.41	1.90	0.71
462	298	270	9.40	16.44	7.60	4.59	0.76
463	77	74	3.90	10.91	9.24	1.10	0.90
464	855	786	8.07	7.63	5.39	1.31	0.81
465	35	29	17.14	4.71	2.45	1.16	0.66
466	489	431	11.86	4.60	2.21	1.94	0.80
467	7254	6496	10.45	3.95	1.76	10.30	0.66
468	4079	3752	8.02	13.98	9.05	1.64	0.96
476	1025	947	7.61	11.19	8.08	1.34	0.71
471	15	14	6.67	60.07	52.86	0.52	0.26

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TRIPMED AND UNTRIPMED DATA, 1985
FREQUENCY, LENGTH OF STAY AND COEFFICIENT OF VARIATION

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DIAGNOSIS RELATED	UNTRIMED	TRIMMED	PERCENT	UNTRIHHED	TRIMMED	UNTRIMED	TRIMED
GROUP	FREQUENCY	FREQUENCY	OF DBS. Trimmed	LENGTH	LENGTH	CV	CV
GROOF			IKIMED	OF STAY	OF STAY		
1	380	349	8.16	20.75	16.43	0.93	0.57
2	124	114	8.06	15.11	10.25	1.76	0.73
3	152	129	15.13	25.49	12.93	1.44	0.66
4	121	115	4.96	24.02	19.96	1.01	0.79
5	16	15	6.25	25.44	23.20	0.55	0.47
6	285	270	5.26	3.72	3.16	0.85	0.47
7	70	64	8.57	20.70	14.59	1.34	0.95
8	345	331	4.06	7.42	6.07	1.22	0.84
9	179	164	8.38	13.75	5.13	6.49	0.91
10	126	121	3.97	12.02	10.68	0.87	0.77
11	341	310	9.09	11.82	7.94	1.28	0.91
12	1309	1205	7.94	23.86	12.70	4.27	0.78
13	555	522	5.95	18.65	10.89	5.12	0.71
14	3709	3397	8.41	23.50	13.66	3.58	0.85
15	1271	1196	5.90	8.64	7.03	1.26	0.65
16	62	58	6.45	15.61	10.55	1.50	0.71
17	260	241	7.31	15.37	9.05	3.16	0.69
18 19	212	192 475	9.43	12.45	7.89	1.34	0.83
20	514 575	473 549	7.59 4.52	10.22 11.86	6.40	1.83	0.85
20	617	591	4.32	6.00	9.72 5.24	1.27 0.86	0.61 0.62
22	6	351	0.00	7.50	7.50	0.58	0.50
23	182	179	1.65	7.30 5.40	4.80	1.25	0.30
24	578	538	6.92	9.46	6.67	1.76	0.75
25	2658	2500	5.94	5.29	4.18	1.12	0.75
26	2896	2650	8.49	4.46	3.23	1.62	0.66
28	1387	1244	10.31	6.29	2.83	4.32	0.89
29	5431	4571	15.84	2.66	1.42	2.34	0.47
30	6322	5607	11.31	2.14	1.42	1.71	0.45
31	34	30	11.76	5.38	3.37	1.24	0.97
32	109	96	11.93	2.28	1.63	1.01	0.43
33	68	64	5.88	2.15	1.83	0.78	0.60
34	296	270	8.78	13.63	9.49	1.30	0.73
35	930	863	7.20	9.54	6.53	1.54	0.85
36	<b>29</b> 7	279	6.06	11.21	9.92	0.66	0.53
37	104	92	11.54	9.99	7.08	0.98	0.61
38	180	174	3.33	7.93	7.36	0.66	0.56
39	2464	2273	7.75	8.35	7.08	1.36	0.33
40	1008	941	6.65	4.17	3.24	1.10	0.80
41	1552	1391	10.37	2.67	2.16	0.92	0.41
42	346	335	3.18	10.93	9.80	0.84	0.67
43	293	278	5.12	5.33	4.61	0.78	0.44
44	139	132	5.04	9.36	8.02	0.89	0.70
45 46	247 137	233 128	5.67	6.54	5.37	0.96	0.69
46 47	13/ 2236	2082	6.57	6.13	4.76	1.10	0.81
48	2236 568	2082 522	6.89 8.10	5.62 4.00	4.40 2.43	1.09 3.99	0.75 0.80
49	37	34	8.11	37.08	19.91	1.82	0.73
50	114	108	5.26	7.63	6.41	0.98	0.73
51	53	51	3.77	5.38	4.43	1.24	0.94
52	154	146	5.19	11.98	11.21	0.43	8.34
53	339	326	3.83	6.56	5.08	3.04	0.49

DIAGNOSIS RELATED GROUP	UNTRIPPHED Frequency	TRIMMED Frequency	PERCENT OF OBS. TRIMMED	untrimmed Length Of Stay	TRIMMED LENGTH OF STAY	untrimmed CV	TRI <b>HHE</b> D CV
54	184	178	3.26	4.58	4.06	0.91	0.68
55	2106	2033	3.47	3.91	3.52	0.80	0.55
56	395	387	2.03	5.56	4.90	1.47	0.36
57	60	57	5.00	4,47	3.91	0.70	0.44
58	982	943	3.97	3.27	3.08	0.53	0.32
59	1154	1145	0.78	5.49	5.29	0.87	0.31
60	5486	4815	12.23	3.88	3.46	0.45	0.26
61	168	152	9.52	2.08	1.69	0.75	0.39
62	1709	1644	3.80	1.66	1.36	2.52	0.43
63	1258	1151	8.51	3.12	1.94	2.14	0.60
64	517	486	6.00	16.03	12.54	1.31	1.01
65	661	637	3.63	6.12	5.05	1.36	0.73
66	1179	1083	8.14	4.33	3.29	1.19	0.65
67	17	16	5.88	7.53	5.75	1.07	0.60
68	300	281	6.33	10.30	8.58	0.87	0.64
69	1217	1171	3.78	4.28	3.73	0.92	0.68
70	5114	4793	6.28	4.00	3.21	1.23	0.67
71	840	797	5.12	3.08	2.58	0.95	0.70
72	411	355	13.63	2.08	1.37	1.03	0.49
73	1869	1773	5.14	3.48	2.83	1.07	0.63
74	1436	1209	15.81	2.67	1.38	2.96	0.47
75	340	321	5.59	24.60	20.67	0.93	0.56
76	.56	53	5.36	20.25	17.57	0.86	0.76
77	148	139	6.08	18.12	12.51	1.95	0.70
78	487	447	8.21	15.23	12.15	0.88	0.61
79	208	196	5.77	23.01	17.46	1.49	0.82
80	280	267	4.64	15.96	12.78	1.18	0.85
81	132	122	7.58	15.26	10.20	1.47	0.81
82	2116	2032	3.97	13.57	11.43	1.31	0.81
83 84	36 66	32 64	11.11	9.97	7.06	1.02	0.86
85	150	141	3.03 6.00	5.73 16.25	4.67 13.65	1.38 0.88	0.71 0.70
86	123	117	4.88	12.40	9.91	1.35	0.80
87	415	387	6.75	10.81	8.61	1.00	0.78
88	7034	6621	5.87	12.31	9.97	1.36	0.59
89	3110	2858	8.10	26.93	12.12	4.77	0.66
90	1351	1271	5.92	13.21	8.95	6.60	0.60
91	2207	2096	5.03	7.91	6.73	0.89	0.61
92	149	140	6.04	13.60	10.79	1.07	0.72
93	380	351	7.63	9.26	7.02	1.08	0.76
94	111	107	3.60	11.70	10.62	0.80	0.65
95	372	350	5.91	7.74	6.52	0.81	0.58
96	745	695	6.71	10.76	8.95	0.84	0.57
97	2417	2308	4.51	7.19	6.14	0.97	0.63
98	5761	5426	5.81	5.07	4.03	1.21	0.66
99	393	367	6.62	8.30	6.58	1.04	0.71
100	1037	986	4.92	5.05	4.16	1.05	0.85
101	1483	1400	5.60	12.18	8.86	2.79	0.62
102	1734	1638	5.54	6.26	5.14	1.01	0.73
105	97	93	4.12	11.38	10.39	0.64	0.53
107	295	268	9.15	9.27	7.09	0.87	0.44
109	195	180	7.69	18.63	14.50	1.03	0.52

APPENDIX 6

TRIMMED AND UNTRIMMED DATA, 1985
FREQUENCY, LENGTH OF STAY AND COEFFICIENT OF VARIATION

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DIAGNOSIS	UNTRIMMED	TRIMMED	PERCENT	UNTRIMMED	TRIMMED	UNTRIMED	TRIMED
RELATED	FREQUENCY	FREQUENCY	OF 08S.	LENGTH	LENGTH	cv	CV
GROUP		,	TRIMMED	OF STAY	OF STAY		
110	257	242	5.84	25.89	21.94	0.82	0.61
111	209	195	6.70	21.72	17.97	0.88	0.47
112	275	258	6.18	20.29	14.89	1.49	0.72
113	219	201	8.22	41.24	33.50	0.81	0.54
114	80	76	5.00	23.94	20.78	0.85	0.71
115	19	18	5.26	15.89	11.78	1.23	0.67
116	300	286	4.67	11.00	9.66	0.75	0.55
117	34	32	5.88	12.26	7.22	1.94	0.61
118	6	6	0.00	10.17	10.17	0.59	0.59
119	2770	2525	8.84	4.74	3.69	1.10	0.45
120	297	262	11.78	10.42	4.66	1.86	1.15
121	756	709	6.22	15.58	13.66	0.67	0.51
122	3580	3353	6.34	12.66	11.10	0.67	0.46
123	968	886	8.47	15.86	4.85	6.94	1.02
126	59	59	0.00	22.14	22.14	0.96	0.96
127	3696	3464	6.28	13.79	10.55	2.70	0.66
128	994	944	5.03	12.81	11.07	0.99	0.54
129	432	391	9.49	13.20	5.92	4.83	1.12
130	1421	1319	7.1B	14.37	10.35	1.28	0.89
i 31	1163	1075	7.57	10.39	6.69	2.58	0.93
132	1248	1182	5.29	11.21	9.16	1.10	0.69
133	2217	2156	2.75	5.95	5.27	1.08	0.90
134	2118	2005	5.34	7.70	6.22	1.10	0.72
135	447	416	6.94	11.25	8.69	1.41	0.78
136	645	619	4.03	6.48	5.42	1.12	0.89
137	462	400	13.42	7.00	3.14	1.92	0.82
138	1338	1275	4.71	9.34	7.88	1.03	0.68
139	1373	1312	4.44	6.18	5.06	1.16	0.73
140	2771 715	2646 665	4.51 6.99	7.01 7.49	6.01 5.80	0.92 1.11	0.67 0.73
141 142	1179	1115	5.43	7.78	3.81	13.68	0.73
143	4288	4094	4.52	5.13	4.34	1.02	0.73
144	406	370	8.87	13.04	10.04	0.92	0.67
145	1189	1117	6.06	8.24	6.75	0.97	0.66
146	197	189	4.57	29.21	26.12	0.73	0.53
147	187	180	3.74	24.49	22.78	0.51	0.39
148	635	592	6.77	28.90	24.21	0.81	0.52
149	596	555	6.88	21.53	17.92	1.03	0.52
150	39	36	7.69	21.23	18.17	0.68	0.54
151	101	92	8.91	11.25	9.53	0.66	0.51
152	167	161	3.59	14.21	12.52	0.93	0.77
153	654	625	4.43	7.07	5.72	1.28	0.97
154	440	416	5.45	24.50	21.82	0.66	0.54
155	788	737	6.47	15.38	12.67	1.15	0.51
156	189	174	7.94	12.88	9.89	1.17	0.53
157	224	210	6.25	12.60	9.55	1.30	0.81
158	1548	1501	3.04	5.80	5.07	1.01	0.73
159	80	77	3.75	12.39	11.21	0.67	0.48
160	302	231	3.64	8.45	7.47	1.05	0.49
161	698	635	9.03	10.67	8.89	0.67	0.39
162	2039	1919	5.89	7.15	6.44	0.56	0.35
163	1155	1089	5.71	3.45	2.49	2.21	0.76

TRIMMED AND UNTRIMMED DATA, 1985
FREQUENCY, LENGTH OF STAY AND COEFFICIENT OF VARIATION

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DIAGNOSIS	UNTRIHHED	TRIMMED	PERCENT	UNTRIHHED	TRIMMED	UNTRIMMED	TRIMMED
RELATED	FREQUENCY	FREQUENCY	OF OBS.	LENGTH	LENGTH	CV	CV
GROUP			TRIMMED	OF STAY	OF STAY		
164	46	43	6.52	17.70	14.12	0.89	0.43
165	377	341	9.55	8.40	7.22	0.56	0.32
166	191	183	4.19	10.50	9.61	0.59	0.46
167	6858	6545	4.56	6.01	5.59	0.50	0.30
168	74	69	6.76	8.14	6.25	1.09	0.78
169	720	668	7.22	4.41	3.38	1.28	0.57
170	91	87	4.40	21.27	18.00	1.03	0.73
171	435	388	10.80	6.39	4.06	1.29	0.78
172	1114	1066	4.31	16.07	12.81	1.69	0.83
173	697	658	5.60	12.36	9.63	1.20	0.94
174	841	804	4.40	9.39	7.61	1.25	0.78
175	1531	1452	5.16	4.59	3.50	2.28	0.86
176	208	195	6.25	11.70	5.62	2.40	0.79
177	759	729	3.95	9.42	7.55	1.73	0.79
178	2148	2041	4.98	4.14	3.27	1.34	0.94
179	897	844	5.91	9.14	7.09	1.23	0.97
189	239	219	8.37	10.79	8.48	0.91	0.68
181	323	310	4.02	7.34	6.27	1.01	0.79
182	4965	4715	5.04	7.67	6.24	1.14	0.82
183	15140	14260	5.81	3.96	3.07	1.26	0.83
184	8968	8186	8.72	3.93	2.69	1.44	0.66
185	753	706	6.24	5.98	4.05	1.57	0.85
186	703	643	8.53	2.81	2.05	1.19	0.73
187	1791	1628	9.10	2.01	1.58	1.11	0.45
188	663	615	7.24	7.28	4.96	1.39	0.97
189	2345	2031	13.39	3.32	1.90	1.40	0.70
190 191	1298 34	1181 32	9.01	3.79	2.46	1.75	0.71
192	34 98	32 87	5.88 3.33	30.91 17.28	27.38 15.13	0.71 1.03	0.63 0.90
193	110	87 107	2.73	25.31	23.46	0.72	0.60
194	94	92	2.73	16.45	13.76	1.44	0.76
195	13	13	0.00	24.92	24.92	0.46	0.46
196	6	6	0.00	17.83	17.83	0.29	0.29
197	438	420	4.11	20.21	18.45	0.61	0.46
198	2095	1979	5.54	12.16	11.17	0.46	0.30
199	33	31	6.06	26.97	23.03	0.71	8.41
200	29	27	6.90	16.55	12.85	1.06	0.82
201	57	55	3.51	13.21	11.76	1.08	1.04
202	271	259	4.43	13.12	10.94	1.06	0.80
203	448	429	4.24	17.90	11.90	4.46	0.81
204	330	310	6.06	10.62	8.71	0.93	0.61
205	197	190	3.55	13.49	11.63	1.01	0.78
206	565	527	6.73	8.05	6.29	1.10	0.74
207	570	539	5.44	10.93	9.36	0.83	0.64
208	1054	990	6.07	6.48	5.24	1.03	0.67
209	1730	1591	8.03	24.17	21 . 65	0.59	0.24
210	1381	1282	7.17	25.25	20.51	0.99	0.52
211	551	506	8.17	22.54	17.65	0.95	0.57
212	197	182	7.61	20.55	15.99	1.01	0.73
213	45	43	4.44	32.76	26.70	1.12	0.88
214	49	47	4.08	40.67	25.09	2.12	0.75
215	782	744	4.86	15.74	14.10	0.65	0.49

TRIMMED AND UNTRIMMED DATA, 1985
FREQUENCY, LENGTH OF STAY AND COEFFICIENT OF VARIATION

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Diagnosis Related Group	UNTRIPPED Frequency	TRIMMED Frequency	PERCENT OF OBS. TRIMMED	untrimmed Length Of Stay	trimmed Length Of Stay	untrimed CV	TRI <b>HHE</b> D CV
216	55	49	10.91	13.07	8.08	1.29	0.88
217	301	263	12.62	12.51	5.80	1.73	1.09
218	177	167	5.65	24.12	20.48	0.80	0.52
219	693	661	4.62	15.75	13.31	0.97	0.71
220	146	135	7.53	9.78	6.48	1.44	0.74
221	4	4	0.00	30.50	30.50	0.97	0.97
222	595	582	2.18	5.22	4.93	0.69	0.61
223	50	47	6.00	12.92	10.26	1.03	0.72
224	356	329	7.58	6.97	4.95	1.28	0.63
225	1129	1069	5.31	9.67	8.05	0.94	0.66
226	72	71	1.39	11.67	11.23	0.89	0.87
227	912	820	10.09	5.65	3.70	1.37	0.75
228	7	7	0.00	3.57	3.57	0.64	0.64
229	1358	1251	7.88	4.22	3.20	1.12	0.64
230	273	244	10.62	10.56	6.80	1.36	0.57
231	1923	1785	7.18	4.83	3.31	1.67	0.74
233	223	210	5.83	22.30	18.10	1.00	0.76
234	2133	1987	6.84	7.67	5.25	1.63	0.82
235	977	926	5.22	20.00	15.71	1.29	1.00
236	1334	1235	7.42	12.86	9.89	1.35	0.96
237	76	73	3.95	17.88	15.81	1.01	0.95
238	345	329	4.64	12.00	9.91	1.23	0.79
239	733	688	6.14	10.40	7.57	1.76	0.96
240	436	412	5.50	17.69	13.72	1.43	0.66
241	963	909	5.61	12.25	9.53	1.75	0.72
242 243	132 5719	127 5525	3.79 3.39	15.66	12.88	1.16	0.82
243 244	546	512	6.23	8.82 14.60	7.71 11.04	1.06 1.33	0.82 0.68
245	619	587	5.17	8.36	6.77	1.33	0.65
246	221	200	9.50	10.26	6.96	1.33	0.68
247	3292	3016	8.38	5.25	3.79	1.20	0.74
248	504	478	5.16	8.62	4.47	7.33	0.87
249	1576	1349	14,40	2.68	1.25	1.84	0.43
250	592	517	12.67	4.44	2.11	2.02	0.76
251	1871	1555	16.89	2.62	1.41	1.63	0.47
252	2179	2031	6.79	1.75	1.32	1.41	0.43
253	737	679	7.87	13.75	7.34	4.22	1.01
254	3030	2798	7.66	5.07	3.28	1.65	0.86
255	1627	1510	7.19	3.44	2.46	1.40	0.72
256	1709	1526	10.71	5.72	3.32	1.57	0.90
257	163	155	4.91	17.11	15.60	0.56	0.43
258	411	386	6.08	13.51	12.41	0.43	0.30
259	95	89	6.32	10.86	8.98	0.88	0.69
260	177	172	2.82	7.25	6.61	0.87	0.76
261	161	154	4.35	4.80	4.36	0.73	0.66
262	2330	2214	4.98	2.59	2.18	0.92	0.54
263	42	38	9.52	42.74	23.66	1.67	0.79
264	48	46	4.17	19.10	16.24	1.06	0.93
265	54	48	11.11	14.00	8.35	1.29	0.94
266 267	1218	1144	6.08	6.47	4.64	1.43	1.07
267 268	414	402	2.90	8.30	7.56	0.83	0.61
700	706	661	6.37	14.01	10.63	1.25	0.88

TRIMMED AND UNTRIMMED DATA, 1985
FREQUENCY, LENGTH OF STAY AND COEFFICIENT OF VARIATION

DIAGNOSIS UNTRIPPED TRIMMED PERCENT UNTRIMED TRIMMED UNTRIMHED TRIMMED RELATED FREQUENCY FREQUENCY OF OBS. LENGTH LENGTH CV £ν GROUP TRIMED OF STAY OF STAY 269 645 587 8.99 7.22 4.03 1.80 1.09 270 6489 5793 10.73 2.14 1.30 2.76 0.45 271 471 21.36 435 7.64 14.70 1.62 0.82 272 226 214 5.31 16.46 13.82 0.93 0.69 273 526 509 3.23 10.88 9.62 0.94 0.76 274 570 546 4.21 17.82 13.68 1.71 0.77 275 383 378 1.31 13,70 12.84 1.02 0.89 276 373 354 5.09 3.68 2.95 1.14 0.76 277 356 332 6.74 12.49 9.97 1.00 0.74 278 1352 1262 5.96 6.66 4.37 2.50 0.73 0.94 279 711 673 5.34 4.44 3.70 0.71 280 500 465 7.00 6.20 4.15 1.60 0.96 281 2031 1827 10.04 3.05 2.02 1.64 0.69 282 1472 1225 16.78 2.44 1.39 1.66 0.47 283 745 690 7.38 9.98 6.91 1.78 0.84 284 3800 3357 11.66 3.92 2.14 2.18 0.83 285 5 5 0.00 65.20 65.20 0.72 0.72 286 7.89 21.59 38 35 18.26 0.73 0.57 287 3 3 0.00 25.33 25.33 0.26 0.26 288 3 3 0.00 36.00 36.00 0.46 0.46 289 22 22 0.00 17.68 17.68 0.75 0.75 290 486 446 8.53 8.23 7.16 0.67 0.39 291 45 41 8.89 4.00 3.49 0.52 0.39 292 11 10 10.36 9.09 6.80 1.37 1.21 293 58 53 8.62 0.94 3.41 2.32 1.28 294 3204 3070 10.92 4.18 7.62 8.25 0.82 295 985 948 3.76 6.68 5.61 1.32 0.84 296 519 485 6.55 11.37 0.76 9.01 1.03 297 765 730 4.58 7.39 6.16 1.07 0.84 298 1293 1191 7.89 9.94 6.58 1.53 0.89 299 218 201 7.80 9.40 6.05 2.20 0.94 300 339 317 6.49 14.48 11.68 0.96 0.76 301 942 883 6.26 7.99 6.15 1.16 0.85 302 -5 - 5 0.08 13.20 13.20 0.51 0.51 303 144 139 3.47 22.35 21.20 0.50 0.44 304 169 157 7.10 18.15 14.41 0.99 0.72 305 838 814 2.86 11.34 9.90 1.17 0.73 306 68 67 1.47 15.35 14.88 0.62 0.58 307 41 37 9.76 14.44 11.22 0.85 0.56 308 32 32 0.00 20.63 20.63 0.84 0.84 309 57 55 3.51 16.46 13.73 1.11 0.82 310 321 298 7.17 8.33 6.37 1.18 0.77 311 467 424 9.21 5.54 3.73 1.39 0.68 312 101 92 9.89 8.91 7.17 1.07 0.67 313 178 163 8.43 6.00 4.55 1.04 0.66 314 73 63 13.70 5.27 3.19 1.16 1.00 315 62 61 1.61 16.45 15.21 0.94 0.80 316 918 984 6.71 12.58 9.20 1.33 0.94 317 2 2.50 2 0.00 2.50 0.85 0.85 318 383 361 5.74 10.19 8.29 1.07 0.91 319 376 330 12.23 6.70 3.50 1.58 0.90 320 859 811 5.59 12.75 8.35 4.21 0.68

TRIMMED AND UNTRIMMED DATA, 1985
FREQUENCY, LENGTH OF STAY AND COEFFICIENT OF VARIATION

	1 KEU	IUENCT, LENGTH	UF SIAT AND	COSTATION	OL AHKIHITO	N	
DIAGNOSIS RELATED GROUP	UNTRIPPIED Frequency	TRIMMED Frequency	PERCENT OF OBS. TRIMMED	UNTRIMMED LENGTH OF STAY	trimmed Length Of Stay	untri <del>me</del> d CV	TRIMED CV
321	1687	1573	6.76	4.92	3.82	1.07	0.72
322	1634	1529	6.43	4.24	3.29	1.15	0.78
323	216	203	6.02	7.34	5.91	1.03	0.74
324	1677	1613	3.82	4.39	3.81	0.95	0.68
325	1079	1012	6.21	8.12	5.93	2.54	0.83
326	1479	1383	6.49	4.12	3.18	1.15	0.77
327	447	392	12.30	5.03	2.97	1.42	0.68
328	319	290	9.09	5.27	3.41	1.40	0.85
329	276	254	7.97	3.64	2.42	1.54	0.77
330	28	24	14.29	2.89	2.08	0.86	0.40
331	360	344	4.44	8.57	6.97	1.19	0.88
332	822	757 462	7.91	5.00	3.62	1.18	0.83
333	514	463	9.92	5.69	3.28 28.54	2.07 0.61	0.91 0.41
334 335	48 285	46	4.17 5.26	31.54		0.61	0.39
335 336	285 1092	270 1014	7.14	20.19 14.00	17.97 11.81	0.51	0.46
336 337	754	715	5.17	10.69	9.68	0.75	0.39
338	92	90	2.17	12.77	12.11	0.72	0.66
339	716	660	7.82	5.58	4.46	1.10	0.48
340	2096	2041	2.62	3.92	3.64	1.04	0.57
341	229	225	1.75	7.56	7.13	0.93	0.88
342	399	378	5.26	3.43	2.73	1.18	0.60
343	1332	1227	7.88	1.95	1.58	1.02	0.44
344	1332	13	0.00	11.31	11.31	0.56	0.56
345	60	59	1.67	11.07	10.20	0.89	0.72
346	363	340	6.34	12.51	9.83	1.07	0.75
347	147	139	5.44	11.17	8.95	1.08	0.85
348	474	438	7.59	8.28	6.17	1.20	0.78
349	268	247	7.84	4,69	3.59	1.01	0.79
350	546	511	6.41	5.09	3.88	1.32	0.72
351	326	324	0.61	1.01	1.00	0.08	0.00
352	659	592	10.17	3.18	2.07	1.32	0.67
353	33	30	9.09	18.73	14.43	0.79	0.37
354	181	171	5.52	17.16	15.36	0.57	0.39
355	2277	2154	5.40	11.96	11.11	0.40	0.25
356	614	582	5.21	10.26	9.53	0.48	0.39
357	66	64	3.03	21.05	19.91	0.63	0.59
358	1096	1065	2.83	6.59	6.08	0.78	0.68
359	680	611	10.15	3.16	2.66	0.63	0.25
360	1230	1202	2.29	6.38	5.82	1.00	0.88
361	1038	969	6.65	2.72	2.29	0.76	0.28
362	46	43	6.52	3.41	2.93	0.76	0.65
363	158	136	13.92	8.42	4.26	1.39	0.76
364	5758	4428	23.10	2.47	1.78	0.98	0.23
365	197	191	3.05	12.64	11.45	0.85	0.68
366	234	220	5.98	28.24	12.59	6.58	0.84
367	497	451	9.26	11.28	7.77	1.24	1.06
368	276	265	3.99	5.76	4.82	1.08	0.70
369	2022	1784	11.77	3.85	2.50	1.37	0.71
370	30	28	6.67	11.40	8.46	1.27	0.85
371	4735	1256	10.12	11.62	9.02	0.94	0.42
373	56961	53946	5.29	5.65	4.85	1.40	0.32

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TRIMED AND UNTRIMED DATA, 1985
FREQUENCY, LENGTH OF STAY AND COEFFICIENT OF VARIATION

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DIAGNOSIS	UNTRIMMED	TRIMMED	PERCENT	UNTRIMMED	TRIMMED	UNTRIMMED	TRIMMED
RELATED	FREQUENCY	FREQUENCY	OF OBS.	LENGTH	Length	CV	CV
GROUP			TRIMMED	OF STAY	OF STAY		
385	1353	1043	22.91	0.98	0.00	4.23	•
386	91	74	18.68	2.73	0.00	3.43	
387	58	56	3.45	4.17	2.79	2.05	1.43
388	665	631	5.11	3.20	2.31	1.66	1.49
389	798	783	1.89	3.97	3.56	1.17	0.91
390	1523	1477	3.02	4.77	4,44	0.77	0.60
391	57908	50703	12.44	4.88	4.18	3.21	0.33
392	33 27	32	3.03	20.76	17.38	1.03	0.52
393 394		24	11.11	12.96	10.50	0.62	0.35
39 <del>4</del> 395	195 2023	179	8.21	5.67	3.40	2.07	0.86
395 396	2023 288	1920 268	5.09 6.94	11.45 7.87	8.67	2.47 1.41	0.81
398 397	652	611	6.29	6.03	5.55		0.88
397 398	158	144	8.86	11.25	4.41 7.36	1.45 1.36	1.02 0.93
393	423	383	9.46	4.51	2.87	1.43	0.90
400	92	87	5.43	23.48	18.16	1.43	0.62
401	92 84	79	5.95	23.46	16.06	1.82	0.76
402	115	110	4.35	11.79	9.55	1.15	0.76
403	875	830	5.14	15.15	11.85	1.13	0.83
404	1268	1172	7.57	10.31	6.77	1.78	1.11
405	697	618	11.33	6.64	3.35	1.72	1.00
406	7	7	0.00	31.57	31.57	0.73	0.73
407	11	ń	0.00	20.82	20.82	0.73	0.73
408	137	129	5.84	9.69	5.95	2.33	1.04
409	123	118	4.07	13.16	11.42	1.03	0.93
410	2426	2180	10.14	3.92	2.36	1.62	0.78
411	48	41	14.58	4.52	1.49	2.39	0.64
412	51	48	5.88	2.37	1.88	1.03	0.69
413	190	182	4.21	17.33	14.53	1.10	0.83
414	139	131	5.76	13.03	10.53	1.11	0.53
415	118	106	10.17	15.79	10.05	1.27	0.86
416	221	200	9.50	19.05	13.19	1.19	0.80
417	129	120	6.25	10.94	8.89	0.94	0.54
418	487	468	3.90	7.51	6.29	1.10	0.78
419	39	36	7.69	13.26	10.94	0.78	0.59
420	127	120	5.51	9.01	7.49	0.93	0.73
421	613	585	4.57	7.58	5.94	2.14	0.68
422	2003	1857	7.29	4.25	3.37	1.00	0.63
423	333	307	7.81	9.38	6.74	1.19	0.80
424	33	30	9.09	26.61	18.00	1.20	0.81
425	592	559	5.57	7.88	6.19	1.22	0.80
426	770	726	5.71	12.08	10.01	0.95	0.72
427	46	43	6.52	8.76	6.67	1.19	0.81
428	169	163	3.55	22.78	20.20	1.03	0.94
429	536	488	8.96	28.69	10.18	5.65	0.85
430	705	652	7.52	18.91	11.46	4.19	0.89
431	150	135	10.00	7.71	5.07	1.25	0.73
432	58	55	5.17	8.34	7.05	0.96	0.83
433	191	179	6.28	3.52	2.75	1.16	1.01
434	507	455	10.26	3.12	1.69	2.59	0.69
435	698	670	4.01	8.17	6.85	1.19	0.74
439	7	6	14.29	9.14	4.00	1.51	0.59

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# TRIMMED AND UNTRIMMED DATA, 1985 FREQUENCY, LENGTH OF STAY AND COEFFICIENT OF VARIATION

DIAGNOSIS RELATED GROUP	UNTRIMMED Frequency	TRIMMED FREQUENCY	PERCENT OF OBS. TRIMMED	untrimmed Length Of Stay	TRIMMED LENGTH OF STAY	UNTRIMED CV	TRIMED CV
440	328	300	8.54	6.49	4.02	1.63	0.99
441	127	112	11.81	5.75	3.32	1.38	0.76
442	82	76	7.32	25.94	20.13	1.09	0.94
443	366	329	10.11	9.62	5.26	1.70	1.00
444	359	336	6.41	7.38	5.59	1.19	0.87
445	1708	1579	7.55	3.62	2.48	2.76	0.75
446	937	876	6.51	3.02	2.29	1.19	0.78
447	49	46	6.12	4.33	2.48	2.18	0.64
448	48	45	6.25	3.27	2.07	1.60	0.63
449	502	453	9.76	5.23	3.34	1.33	0.90
450	2178	2002	8.08	2.91	1.95	1.82	0.67
451	2132	1961	8.02	1.73	1.31	1.25	0.45
452	84	78	7.14	7.62	5.76	1.05	0.71
453	402	374	6.97	4.64	3.23	1.89	0.71
454	110	100	9.09	12.57	8.41	1.37	0.81
455	215	189	12.09	4.09	2.01	1.64	0.82
456	101	88	12.87	13.97	6.38	1.63	1.17
457	13	12	7.69	28.69	18.92	1.46	1.24
458	15	15	0.00	26.13	26.13	0.64	0.64
459	182	174	4.40	30.99	26.39	0.96	0.71
460	712	668	6.18	9.60	7.32	1.29	0.83
461	571	483	15.41	5.28	2.26	3.27	0.73
462	184	164	10.87	13.59	7.98	1.36	0.79
463	60	58	3.33	12.78	11.60	0.88	0.81
464	801	736	8.11	8.23	5.71	1.58	0.79
465	27	24	11.11	6.26	4.42	1.07	0.74
466	543	484	10.87	4.47	2.17	4.07	0.83
467	6992	6255	10.54	3.70	1.78	3.41	0.66
468	4037	3697	8.42	12.77	8.08	1.87	0.98
470	1096	1031	5.93	9.88	7.62	1.39	0.72
471	2	2	0.00	48.00	48.00	0.06	0.06

TRIMMED AND UNTRIMMED DATA, 1986
FREQUENCY, LENGTH OF STAY AND COEFFICIENT OF VARIATION

DIAGNOSIS RELATED	UNTRIPPED Frequency	TRIMMED Frequency	PERCENT OF OBS.	UNTRIMMED LENGTH	TRIMMED LENGTH	UNTRIP <b>HE</b> D CV	TRIMMED CV
GROUP			TRIMMED	OF STAY	OF STAY		
1	427	394	7.73	21.44	16.96	0.90	0.55
2	131	121	7.63	13.78	9.32	1.49	0.75
3	208	183	12.02	22.47	13.51	1.31	0.76
4	108	103	4.63	25.01	21.64	0.90	0.68
5	68	63	7.35	17.51	14.48	0.76	0.54
6	300	277	7.67	3.68	2.87	1.15	0.49
7	48	43	10.42	21,13	14.47	1.22	0.84
8	238	204	14.29	12.03	5.57	2.59	0.94
9	130	118	9.23	7.84	4.68	1.71	0.79
10	72	60	16.67	18.26	9.65	1.22	0.86
11	359	329	8.36	10.68	6.59	1.76	0.90
12	1338	1228	8.22	21 . <b>99</b>	11.38	4.84	0.77
13	557	524	5.92	12.60	9.34	2.01	0.74
14	3578	3290	€.05	22.01	13.23	2.74	0.86
15	1369	1292	5.62	8.29	6.48	1.60	0.66
16	79	69	12.66	16.05	9.45	1.23	0.76
17	263	242	7.98	14.67	9.50	2.29	0.67
18	178	161	9.55	14.24	8.88	1.51	0.74
19	447	409	8.50	9.60	5.94	1.87	0.86
20	678	629	7.23	12.05	9.24	1.12	0.59
21	578	544	5.88	5.67	4.71	0.90	0.59
22	8	7	12.50	14.88	11.71	0.74	0.60
23	176	162	7.95	7.22	4.67 6.34	1.49 0.98	0.80 0.73
24	568	537	5.46	7.69 5.14	4.20	1.11	0.78
25	2764	2624 2474	5.07 8.54	4.30	3.10	1.29	0.65
26	2705 1229	1112	9.52	4.89	2.77	1.89	0.91
28 2 <del>9</del>	4718	4007	15.07	2.45	1.39	1.81	0.46
2 <del>3</del> 30	5767	5180	10.18	2.05	1.39	1.85	0.44
30 31	44	3130	11.36	3.20	2.18	1.05	0.72
32	226	214	5.31	2.38	1.61	1.30	0.63
33	124	98	20.97	2.48	1.38	1.41	0.42
34	235	219	6.81	12.74	8.70	1.77	0.72
35	979	920	6.03	9.14	5.73	2.13	0.86
36	263	248	5.70	10.76	9.36	0.72	0.45
37	78	74	5.13	9.17	8.00	0.82	0.70
38	179	166	7.26	7.61	6.49	0.74	0.53
39	2622	2410	8.09	7.74	6.68	1.08	0.33
40	1128	964	14.54	3.47	1.98	1.38	0.64
41	1698	1605	5.48	2.43	2.14	0.86	0.39
42	344	331	3.78	10.76	9.56	0.82	0.64
43	263	243	7.60	5.14	4.33	0.72	0.50
44	217	197	9.22	7.71	5.73	1.01	0.69
45	269	248	7.81	5.88	4.45	1.11	0.75
46	114	106	7.02	25.26	6.98	6.99	0.80
47	2026	1903	6.07	5.64	4.25	1.90	0.78 0.79
48	526	496	5.70	3.05 34.92	2.41 32.00	1.20 0.56	0.49
49	36	34 105	5.56 4.55	34.92 7.45	6.63	0.73	0.52
50	110	100 39	2.50	7.43 5.82	5.31	0.73	0.86
51 52	40 169	163	2.50 3.55	11.19	10.63	0.33	0.30
52 52	169 344	333	3.20	5.67	5.01	0.94	0.52
53	344	333	3.20	3.07	2.81	V.27	V.OL

TRIMMED AND UNTRIMMED DATA, 1986
FREQUENCY, LENGTH OF STAY AND COEFFICIENT OF VARIATION

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DIAGNOSIS RELATED GROUP	UNTRIPPED Frequency	TRIMMED Frequency	PERCENT OF OBS. TRIMMED	UNTRIMMED LENGTH OF STAY	TRIMMED LENGTH OF STAY	untrih <del>h</del> ed CV	TRIHHED CV
54	235	205	12.77	4.12	2.91	1.08	0.54
55	1982	1926	2.83	3.75	3.32	1.54	0.59
56	473	469	0.85	4.66	4.59	0.40	0.38
57	47	44	6.38	5.19	4.16	0.91	0.36
58	887	883	0.45	3.07	3.05	0.35	0.33
59	1147	1132	1.31	5.24	5.10	0.46	0.30
60	4800	4358	9.21	3.71	3.39	0.42	0.27
61	189	168	11.11	2.13	1.60	0.94	0.42
62	2271	2219	2.29	1.43	1.30	0.97	0.42
63	359	301	16.16	11.45	5.53	1.28	0.85
64	507	467	7.89	12.94	9.60	1.18	1.03
65	650	625	3.85	5.55	4.98	0.80	0.66
66	1157	1072	7.35	3.92	3.10	0.99	0.65
67	34	33	2.94	4.79	4.55	0.73	0.71
68	284	273	3.87	8.66	7.56	0.92	0.71
69 70	1031	966	6.30	4.26 3.93	3.60 3.08	0.83 1.25	0.59 0.65
70	4753	4458	6.21			0.95	0.63
71	699	659	5.72	3.14 1.98	2.60	1.51	
72	1467	1313	10.50 6.57	1.98 3.48	1.42	0.95	0.46 0.57
73 74	1675 1225	1565 11 <b>50</b>	6.12		2.84 1.83	2.28	0.69
				2.67		1.12	0.54
75 26	331	313	5.44 5.66	23.41 17.72	19.67 15.06	0.78	0.55
76 77	53	50	3.66 1.96	17.72	11.55	0.78 2.17	0.33
77 78	153 472	150 445	5.72	14.71	12.62	0.79	0.60
78 79		445 175	6.91	20.16	15.70	1.05	0.82
/9 80	188 218	203	6.88	15.11	12.03	1.02	0.02
81	47	203 44	6.38	17.40	11.48	1.52	1.16
82	2068	1997	3.43	12.83	11.15	1.04	0.80
83	30	27	10.00	18.03	8.93	1.73	0.75
63 64	52	50	3.85	4.60	4.08	0.83	0.68
85	131	125	4.58	15.08	13.13	0.86	0.63
86	123	120	2.44	9.45	8.54	0.98	0.82
87	149	140	6.04	10.82	8.61	1.06	0.69
88	6995	6503	7.03	12.57	9.56	2.80	0.59
89	2886	2710	6.10	19.22	12.27	4.51	0.66
90	1252	1170	6.55	11.85	8.19	4.12	0.60
91	1701	1601	5.88	9.56	6.32	7.87	0.63
92	176	161	8.52	11.78	8.61	1.07	0.62
93	497	461	7.24	8.31	6.38	1.16	0.67
94	114	107	6.14	12.77	10.93	0.76	0.58
95	380	361	5.00	7.53	6.55	0.83	0.65
96	695	657	5.47	11.23	9.08	1.46	0.58
97	2246	2127	5.30	7.42	6.08	1.39	0.65
98	5643	5213	7.62	4.51	3.44	1.29	0.61
99	361	342	5.26	7.73	6.42	1.04	0.74
100	1078	1031	4.36	5.19	4.18	1.44	0.86
101	1712	1608	6.07	12.73	9.17	3.52	0.62
102	1929	1809	6.22	10.40	5.28	12.23	0.67
103	2	2	0.00	34.00	34.00	0.33	0.33
104	2	2	0.00	26.50	26.50	0.67	0.67
105	108	96	11.11	16.93	12.51	0.97	0.46

# TRIMMED AND UNTRIMMED DATA, 1986 FREQUENCY, LENGTH OF STAY AND COEFFICIENT OF VARIATION

DIAGNOSIS	UNTRIMMED	TRIMMED	PERCENT	UNTRIMED	TRIMMED	UNTRINNED	TRIMMED
RELATED	FREQUENCY	FREQUENCY	OF 08S.	LENGTH	LENGTH	CV CV	CV
GROUP			TRIMMED	OF STAY	OF STAY	••	•
106	9	9	0.00	24.89	24.89	0.41	0.41
107	288	272	5.56	13.80	11.79	0.76	0.45
109	172	158	8.14	19.22	15.44	0.90	0.51
110	261	245	6.13	26.56	22.58	0.81	0.62
111	220	205	6.82	18.99	16.80	0.60	0.46
112	292	270	7.53	14.67	11.60	0.98	0.76
113	230	221	3.91	53.25	40.31	2.30	0.68
114	62	60	3.23	25.35	22.83	0.79	0.61
115	27	25	7.41	12.85	11.68	0.47	0.38
116	295	279	5.42	9.75	8.39	0.87	0.55
117	36	35	2.78	6.86	6.51	0.53	0.46
118	5	4	20.00	5.00	3.50	0.73	0.49
119	2722	2585	5.03	4.31	3.62	0.98	0.49
120	280	246	12.14	9.96	4.23	1.90	1.19
121	775	733	5.42	14.72	12.92	0.71	0.49
122	3551	3354	5.55	12.68	11.11	0.93	0.46
123	968	896	7.44	7.91	5.00	2.10	1.02
124	60	52	13.33	5.65	3.27	1.30	1.02
125	1994	1729	13.29	2.71	1.55	1.65	0.41
126	58	58	0.00	23.95	23.95	0.85	0.85
127	3582	3332	6.98	13.66	10.45	1.41	0.65
128	990	947	4.34	12.55	11.12	0.80	0.59
129	465	432	7.10	11.80	7.77	1.61	1.11
130	1299	1199	7.70	14.42	9.49	2.19	0.85
131	1081	983	9.07	9.35	6.19	1.48	0.92
132	1308	1227	6.19	11.23	9.07	1.05	0.68
133	1443	1381	4.30	7.87	6.75	1.01	0.67
134	2055	1949	5.16	7.18	5.92	1.45	0.73
135	383	352	8.09	11.73	9.01	1.01	0.62
136	415	390	6.02	7.78	6.28	1.01	0.74
137	280	267	4.64	7.72	5.94	1.39	0.99
138	1360	1295	4.78	9.58	7.87	1.26	0.69
139	1373	1288	6.19	5.74	4.62	1.02	0.71
140	2914	2711	6.97	7.54	6.28	0.81	0.58
141	661	622	5.90	7.03	5.67	1.04	0.72
142	1081 4847	1047	3.15	4.23	3.73	0.98	0.76
143 144	247	4586 235	5.38 4.86	5.01	4.08	2.29	0.68
145	526	235 485	7.79	12.21 9.14	10.61 6.85	0.85 1.12	0.69 0.77
146	203	194	4.43	28.94	26.40	0.60	0.47
147	164	154	6.10	23.37	20.72	0.65	0.47
148	660	631	4.39	25.62	22.95	0.83	0.50
149	542	508	6.27	21.08	18.24	0.75	0.54
150	62	59	4.84	18.13	16.47	0.71	0.51
151	139	129	7.19	11.05	9.08	0.83	0.58
152	183	176	3.83	13.60	12.23	0.85	0.77
153	589	557	5.43	7.30	5.46	1.49	1.03
154	425	405	4.71	24.90	21.43	0.93	0.59
155	683	630	7.76	14.72	12.24	0.77	0.55
156	223	202	9.42	14.52	8.93	1.88	0.52
157	234	227	2.99	10.70	9.33	1.10	0.84
159	1610	1529	5.03	5.55	4.64	0.97	0.70
200		102	0.00	3.30	7,07	V.21	0.70

APPENDIX 6

TRIMMED AND UNTRIMMED DATA, 1986
FREQUENCY, LENGTH OF STAY AND COEFFICIENT OF VARIATION

	FKEU	DENCT, LENGTH	UF SIATAND	CUEFFICIENT	UF VAKIATIO	N	
Diagnosis Related Group	UNTRIMMED Frequency	TRIMMED Frequency	PERCENT OF OBS. TRIMMED	untrimmed Length Of Stay	TRIMMED LENGTH OF STAY	untrimmed CV	TRIHHED CV
159	87	79	9.20	15.62	11.76	1.16	0.47
160	279	267	4.30	7.77	6.95	0.72	0.55
161	751	688	8.39	10.83	8.82	0.82	0.41
162	1877	1787	4.79	6.69	6.18	0.49	0.36
163	1193	1102	7.63	2.70	2.08	1.19	0.66
164	39	37	5.13	16.38	15.14	0.56	0.49
165	374	354	5.35	8.21	7.36	0.56	0.36
166	164	157	4.27	12.43	11.26	0.66	0.49
167	6652	6440	3.19	5.82	5.48	0.48	0.31
168	82	77	6.10	9.01	6.79	1.25	0.94
169	590	533	9.66	4.07	2.86	1.13	0.61
170 -	313	299	4.47	21.25	19.17	0.73	0.58
171	842	784	6.89	8.43	6.21	1.27	0.92
172	1051	999	4.95	14.57	11.66	1.31	0.82
173	662	627	5.29	10.84	8.37	1.33	0.99
174	840	809	3.69	8.66	7.36	1.11	0.77
175	1445	1362	5.74	3.92	3.04	1.37	0.85
176	223	216	3.14	7.01	5.97	1.22	0.97
177	764	729	4.58	8.55	6.88	1.79	0.83
178	2111	1975	6.44	3.83	2.92	1.26	0.92
179	950	894	5.89	8.63	6.38	1.37	0.96
180	236	225	4.66	9.58	8.31	0.88	0.71
181	255	244	4.31	5.89	4.87	1.15	0.80
182	4916	4600	6.43	7.20	5.64	1.14	0.81
183	15038	14312	4.83	3.65	2.93	1.21	0.83
184	8886	8127	8.54	3.79	2.65	1.32	0.67
185	693	641	7.50	5.44	3.56	1.51	0.81
186	691	651	5.79	2.92	2.30	1.15	0.82
187	1764	1673	5.16	1.75	1.51	1.03	0.45 0.97
188 189	698 2395	646 2159	7.45 9.85	7.40 2.86	4.84 1.83	2.25 1.48	0.72
190	2353 1215	1110	9.63 8.64	2.86 3.80	2.35	1.83	0.72
191	37	35	5.41	24.92	22.26	0.68	0.58
192	58	54	6.90	18.62	15.28	0.86	0.62
193	134	131	2.24	21.77	20.70	0.67	0.62
194	140	138	1,43	15.00	14.27	0.84	0.77
195	15	14	6.67	19.67	17.71	0.50	0.38
196	6	6	0.00	14.67	14.67	0.21	0.21
197	462	430	6.93	20.56	17.77	0.65	0.42
198	2066	1956	5.32	12.07	11.17	0.45	0.30
199	61	58	4.92	24.23	21.66	0.64	0.49
200	66	61	7.58	21.56	16.25	1.05	0.75
201	62	60	3.23	14.39	12.63	1.06	0.95
202	271	250	7.75	14.59	11.16	1.19	0.83
203	407	385	5.41	15.10	11.61	1.54	0.79
204	372	352	5.38	11.64	9.50	1.02	0.64
205	179	170	5.03	14.50	11.79	1.08	0.78
206	527	499	5.31	8.04	6.40	1.17	0.81
207	580	530	8.62	10.93	8.31	1.05	0.61
208	950	922	2.95	6.10	5.49	0.89	0.69
209	1757	1626	7.46	23.29	20.95	0.58	0.24
210	1227	1132	7.74	24.32	19.34	1.01	0.55

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TRIMMED AND UNTRIMMED DATA, 1986
FREQUENCY, LENGTH OF STAY AND COEFFICIENT OF VARIATION

DIAGNOSIS RELATED GROUP	UNTRIPPED Frequency	TRIPMED Frequency	PERCENT OF OBS. TRIMMED	untringed Length Of Stay	TRIMMED Length Of Stay	UNTRIHHED CV	TRIMMED CV
G.00			INTITE	G JIAI	Of SIAI		
211	465	430	7.53	21.68	16.83	1.02	0.62
212	164	156	4.88	18.38	14.50	1.28	0.82
213	33	31	6.06	27.21	21.42	1.13	0.95
214	47	46	2.13	24.06	23.20	0.59	0.56
215	746	710	4.83	16.32	13.86	1.18	0.49
216	51	46	9.80	11.49	7.78	1.14	0.86
217	225	199	11.56	10.51	5.75	1.53	1.02
218	90	82	8.89	20.97	15.00	1.17	0.80
219	482	447	7.26	12.00	9.16	1.21	0.67
220	108	99	8.33	8.42	6.25	1.08	0.69
221	88	82	6.82	28.86	25.18	0.62	0.45
222	632	550	12.97	8.02	4.99	1.19	0.87
223	49	47	4.08	10.14	9.23	0.70	0.62
224	280	252	10.00	6.51	4.15	1.51	0.61
225	1067	1002	6.09	8.89	7.21	1.00	0.67
226	82	79	3.66	9.39	7.97	1.01	0.71
227	1014	958	5.52	4.27	3.10	1.74	0.76
229	6	6	0.00	1.50	1.50	0.37	0.37
229	1312	1208	7.93	4.07	3.15	1.00	0.66
238	275	242	12.00	9.27	5.61	1.65	0.58
231	2572	2345	0.83	4.18	2.61	1.75	0.68
233	176	156	11.36	25.53	14.62	2.17	0.61
234	1413	1299	8.78	8.93	6.20	1.29	0.71
235	886	841	5.08	18.90	15.06	1.24	1.03
236	1257	1158	7.89	11.77	7.61	1.67	0.99
237 238	56 324	56	0.00	17.02	17.02	1.08	1.08
238 239	329 674	308 632	4.94 6.23	11.24	9.34	1.01	0.78
240	359	333	7.24	8.42 17.61	6.28 13.67	1.37 1.05	0.97 0.62
241	925	871	7.24 5.84	17.81	9.74	1.19	0.62
242	130	118	9.23	15.18	11.65	0.93	0.70
243	5571	5329	4.34	8.25	7.01	1.16	0.83
244	522	491	5.94	13.58	10.45	1.24	0.68
245	659	620	5.92	7.68	6.10	1.11	0.82
246	217	205	5.53	9.15	7.62	0.95	0.74
247	2564	2346	8,50	5.56	3.74	1.93	0.75
248	553	510	7.78	14.10	4.22	12.81	0.89
249	1559	1384	11.23	2.58	1.21	2.71	0.41
250	584	509	12.84	4.40	2.21	1.77	0.81
251	1753	1478	15.69	2.58	1.38	3.58	0.46
252	2081	1945	6.54	1.66	1.29	1.29	0.43
253	727	667	8.25	9.90	6.36	1.59	1.01
254	2851	2599	8.84	4.69	3.00	1.65	0.84
255	1462	1355	7.32	3.37	2.36	1.50	0.76
256	2944	1835	10.23	5.03	2.99	1.57	0.87
257	165	154	6.67	16.52	14.29	0.66	0.36
258	392	376	4.08	13.52	12.75	0.42	0.33
259	106	100	5.66	10.58	8.88	0.94	0.69
260	209	204	2.39	6.39	5.94	0.84	0.76
261	173	162	6.36	5.34	4.38	0.91	0.67
262	2355	2256	4.20	2.45	2.11	0.92	0.57
263	37	34	9.11	34.54	23.91	1.34	0.91

#### TRIMMED AND UNTRIMMED DATA, 1986 FREQUENCY, LENGTH OF STAY AND COEFFICIENT OF WARIATION

DIAGNOSIS	UNTRIHHED	TRIMMED	PERCENT	UNTRIHHED	TRIMMED	UNTRIHHED	TRIMMED
RELATED	FREQUENCY	FREQUENCY	OF 085.	LENGTH	LENGTH	CA	CV
GROUP	PREQUENCE	PREQUESTO	TRIMMED	OF STAY	OF STAY	CV	CV
GROOP			IXIIIICD	Ur SIMI	Ur SIHI		
264	47	43	8.51	23.30	14.81	1.38	0.98
265	54	51	5.56	12.15	9.47	1.24	1.03
266	1178	1089	7.56	6.00	4.09	1.38	1.06
267	400	381	4.75	8.19	7.21	0.80	0.54
268	684	643	5.99	11.61	9.02	1.23	0.88
269	877	816	6.96	8.11	5.77	1.38	1.10
270	7503	6717	10.48	2.30	1.25	4.05	0.43
271	430	408	5.12	24.57	19.50	1.37	0.85
272	181	172	4.97	16.33	12.72	1.24	0.79
273	506	491	2.96	12.39	10.53	1.56	0.75
274	533	499	6.38	14.27	10.17	1.94	0.83
275	344	330	4.07	9.65	7.76	1.35	1.12
276	376	356	5.32	3.47	2,73	1.26	0.68
277	307	288	6.19	12.22	9.52	1.25	0.75
278	1194	1103	7.62	5.87	4.58	1.01	0.73
279	674	618	8.31	4.47	3.32	1.16	0.65
280	466	435	6.65	6.08	4.42	1.34	0.94
281	1709	1544	9.65	3.02	2.06	1.53	0.68
282	1315	1233	6.24	2.48	1.82	1.41	0.70
283	742	681	8.22	7.98	5.41	1.50	0.85
284	3773	3256	13.70	3.52	1.79	1.72	0.72
285 286	11 37	10 35	9.09	50.55	44.30	0.57	0.48
286 287		35 1	5.41 0.00	19.27	17.26	0.62	0.50
288	1 16	16	0.00	13.00	13.00	0.79	0.79
289	25	22	12.00	10.19 16.24	10.19 12.23	0.79	0.73
290	475	444	6.53	7.68	6.77	0.78	0.39
291	61	61	0.00	4.20	4.20	0.54	0.54
292	19	18	5.26	20.00	17.50	0.89	0.83
293	32	30	6.25	6.13	4.90	1.17	1.13
294	31 34	2961	5.52	8.69	6.77	1.34	0.83
295	1127	1094	2.93	6.15	5.19	1.38	0.92
296	495	466	5.86	11.76	8.85	1.59	0.75
297	751	724	3,60	7.56	5.49	1.13	0.79
298	1414	1314	7.07	8.57	5.99	1.44	0.93
299	221	205	7.24	10.93	7.67	1.39	0.97
300	295	273	7.46	14.89	10.68	1.45	0.73
301	927	858	7.44	7.41	5.60	1.12	0.81
302	11	9	18.18	12.18	10.33	0.37	0.19
303	134	128	4.48	23.66	21.21	0.66	0.46
304	113	104	7.96	24.75	18.27	1.16	0.58
305	647	618	4.48	11.92	10.45	0.83	0.67
306	59	56	5.08	16.02	13.64	0.81	0.51
307	38	35	7.89	12.76	9.74	1.03	0.71
308	32	32	0.00	14.03	14.03	0.71	0.71
309	69	68	1.45	14.59	14.04	0.84	0.82
310	292	281	3.77	7.40	6.42	1.00	0.76
311	454	426	6.17	5.51	4.12	1.37	0.75
312	114	105	7.89	8.35	6.24	1.18	0.54
313	174	158	9.20	7.49	5.54	1.01	0.77
314	185	172	7.03	5.34	3.87	1.28	0.97
315	75	74	1.33	17.76	17.01	0.82	0.77

TRIMMED AND UNTRIMMED DATA, 1986
FREQUENCY, LENGTH OF STAY AND COEFFICIENT OF VARIATION

DIAGNOSIS	UNTRIHHED	TRIMMED	PERCENT	UNTRIHHED	TRIMMED	UNTRIMMED	TRIMMED
RELATED	FREQUENCY	FREQUENCY	OF 085.	LENGTH	LENGTH	CV	CV
GROUP	I VEGORIACI	I NEGOCIACI	TRIMMED	OF STAY	OF STAY	LV	W
GNOOF			IKIITKU	OF SIMI	UF SINT		
316	867	806	7.04	13.55	9.82	1.47	0.86
317	29	25	13.79	2.52	1.00	2.48	0.00
318	373	349	6.43	9.73	7.50	1.17	0.95
319	274	243	11.31	6.23	3.17	1.62	0.93
320	B90	826	7.19	18.17	8.17	7.88	0.71
321	1624	1523	6.22	4.76	3.76	1.06	0.71
322	1648	1555	5.64	4.27	3.78	1.15	0.75
323	229	219	4.37	6.74	5.78	0.95	0.75
324	1662	1537	7.52	4.36	3.52	0.93	0.73
325	1020	961	5.78	8.19	6.17	1.46	0.84
326	1662	1574	5.29	3.92	3.05	1.26	0.79
327	464	418	9.91	4,85	3.07	1.40	0.80
328	269	245	8.92	6.11	3.87	1.60	0.89
329	268	239	11.19	3.21	2.03	1.40	0.66
330	22	18	18.19	3.91	1.67	1.41	0.62
331	366	337	7.92	8.84	5.88	1.45	0.84
332	B94	822	8.05	5.40	3,48	1,52	0.87
333	619	541	12.60	5.02	2.44	3.27	0.75
334	30	29	3.33	26.00	24.45	0.55	0.48
335	220	212	3.64	19.41	18.35	0.48	0.42
336	1196	1113	6.94	13.52	11.63	0.66	0.44
337	824	774	6.07	10.24	9.16	0.55	0.37
338	113	100	11.50	10.37	8.14	0.72	0.41
339	762	707	7.22	5.35	4.29	0.99	0.50
340	2052	1884	8.19	3.49	2.97	0.71	0.55
341	231	225	2.60	8.71	7.78	1.03	0.86
342	442	379	14.25	3.09	2.28	0.88	0.42
343	1386	1305	5.84	1.75	1.51	0.73	0.44
344	24	23	4.17	19.96	18.04	0.72	0.61
345	56	52	7.14	10.04	8.02	1.01	0.87
346	421	404	4.04	12.22	10.27	1.10	0.76
347	186	170	8.60	8.24	6.04	1.08	0.85
348	439	411	6.38	9.31	6.53	2.25	0.81
349	251	234	6.77	4.46	3.51	1.01	0.77
350	619	594	4.04	4.59	3.75	1.19	0.77
351	404	402	0.50	1.06	1.00	1.08	0.00
352	709	660	6.91	3.29	2.47	1.19	0.73
353	42	39	7.14	20.48	16.87	0.82	0.59
354	189	179	5.29	16.90	15.45	0.52	0.40
355	2728	2619	4.00	11.32	10.78	0.35	0.25
356	716	684	4.47	10.11	9.28	0.58	0.40
357	75	70	6.67	15.71	13.51	0.72	0.58
358	1244	1215	2.33	6.53	6.05	0.82	0.69
359	731	667	8.76	3.06	2.63	0.56	0.25
360	1379	1354	1.81	6.03	5.55	1.03	0.89
361	1057	968	8.42	2.70	2.18	0.75	0.33
362 363	191	136	24.86	2.48	1.98	0.46	0.07
363	335	290	13.43	11.97	7.38	1.14	0.92
364 365	6186	4969	19.67	2.31	1.73	0.83	0.26
365 366	315	284	9.84	11.46	8.60	0.93	0.62
	181	171	5.52	13.43	11.39	0.89	0.74
367	444	391	11.94	9.09	4.26	2.47	0.93

#### TRIMMED AND UNTRIMMED DATA, 1986 FREQUENCY, LENGTH OF STAY AND COEFFICIENT OF VARIATION

	1 444	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	* ****			-•	
DIAGNOSIS RELATED GROUP	UNTRIPMED Frequency	TRIMMED Frequency	PERCENT OF OBS. TRIMMED	untrimmed Length Of Stay	TRIMMED Length Of Stay	UNTRIHHED CV	TRIMMED CV
OKUUF			INTITIED	UF SIMI	Ur SINI		
368	255	243	4.71	4.73	3.81	1.42	0.69
369	1813	1694	6.56	3.34	2.51	1.37	0.71
370	38	34	10.53	12.21	9.65	0.82	0.67
371	5068	4397	13.24	10.96	8.37	0.87	0.41
373	55635	52862	4.98	5.56	4.75	1.77	0.31
385	1222	971	20.54	1.16	0.00	4.08	
386	84	73	13.10	6.61	1.19	2.71	2.12
387	47	44	6.38	4.43	2.84	1.60	1.26
388	627	586	6.54	3.72	2.30	1.82	1.61
389	784	764	2.55	4.28	3.71	1.28	0.90
390	1580	1513	4.24	4.83	4.21	1.01	0.60
391 392	57036	50524 39	11.42 7.14	4.73	4.12 17.23	0.87 1.59	0.32 0.59
392 393	42 13	12	7.69	25.81 12.00	9.25	0.86	0.39
353 394	203	187	7.88	4.96	3.25	1.48	0.88
395	1844	1733	6.02	9.52	7.52	1.16	0.78
396	274	260	5.11	6.66	4.98	1.49	0.78
397	510	477	6.47	6.44	4.53	1.57	0.93
398	130	121	6.92	6.54	4.92	1.19	0.96
399	450	397	11.78	4.30	2.31	1.73	0.82
400	229	216	5.68	16.79	12.66	1.69	0.87
401	95	91	4,21	17.52	15.93	0.73	0.66
402	157	143	8.92	12.65	9.38	1.07	0.92
403	803	752	6.35	12.71	9.17	1.78	0.93
404	1200	1107	7.75	9.03	6.06	1.74	1.04
405	424	372	12.26	6.68	2.72	2.26	0.96
406	28	25	10.71	18.43	14.64	0.71	0.49
407	36	35	2.78	8.42	7.54	1.22	1.18
408	201	182	9.45	6.90	4.34	1.39	1.03
409	232	217	6.47	11.48	9.18	1.03	0.87
410	2398	2104	12.26	3.45	1.97	1.59	0.68
411	76	61	19.74	3.89	1.69	1.54	0.64
412	68	63	7.35	2.06	1.56	1.08	0.44
413	158	151	4.43	14.62	12.58	0.98	0.83
414	155	145	6.45	11.86	7.30	2.69	0.91
415	114	100	12.28	13.94	7.48	1.60	0.88
416	196	181	7.65	19.15	12.78	1.76	0.75
417	126	120	4.76	10.78	9.06	0.88	0.54
418	486	445	8.44	8.08	6.06	1.05	0.78 0.57
419	53	49	7.55	11.83	8.84	1.09	0.57
420	92 533	96 493	6.52 7.50	6.34 6.59	5.17 5.06	0.97 1.08	0.66
421 422	1831	1737	5.13	3.83	3.13	1.14	0.63
422 423	355	1737 325	8.45	3.83 8.89	5.92	1.47	0.68
424	333 31	323 27	12.90	39.65	17.15	1.66	1.22
425	481	451	6.24	6.80	5.32	1.17	0.79
426	703	672	4.41	11.92	10.36	0.91	0.77
427	57	53	7.02	11.91	8.94	1.20	0.72
428	156	153	1.92	23.05	21.75	0.96	0.93
429	495	449	9.29	19.51	9.61	2.66	0.88
430	649	587	9.55	18.95	10.68	2.75	0.79
431	185	167	9.73	6.64	3.96	1.69	0.76

TRIMMED AND UNTRIMMED DATA, 1986
FREQUENCY, LENGTH OF STAY AND COEFFICIENT OF VARIATION

RELATED FREQUENCY FREQUENCY OF OBS. LENGTH LENGTH CV CV GROUP TRIPMED OF STAY OF STAY  432 82 74 9.76 10.95 7.35 1.19 0.1 433 107 100 6.54 2.60 1.92 1.26 0.1	76
432 82 74 9.76 10.95 7.35 1.19 0.1 433 107 100 6.54 2.60 1.92 1.26 0.1	76 71 73 80 81
433 107 100 6.54 2.60 1.92 1.26 0.	76 71 73 80 81
433 107 100 6.54 2.60 1.92 1.26 0.	76 71 73 80 81
	71 73 80 81
434 448 398 11.16 2.86 1.64 1.51 0.7	73 30 81
	30 B1
	B1
	20
442 82 78 4.88 23.84 19.62 1.11 0.5	96
443 379 340 10.29 8.15 4.75 1.50 1.1	
444 336 312 7.14 8.34 5.76 1.50 0.1	
445 1500 1400 6.67 3.23 2.38 1.29 0.3	
446 972 908 6.58 2.60 1.94 1.23 0.1	-
447 62 58 6.45 5.24 3.16 2.38 0.1	
448 39 35 10.26 2.05 1.60 0.81 0.	
449 481 435 9.56 5.40 3.34 1.45 0.1	
450 2255 2071 8.16 2.83 1.96 1.46 0.1	
451 2071 1885 8.98 1.84 1.28 1.37 0.4	
452 78 68 12.82 10.36 6.10 1.26 0.1	
453 394 368 6.60 4.95 3.47 1.46 0.6	
454 126 112 11.11 12.33 7.05 1.58 0.5	
455 201 181 9.95 5.16 2.74 1.84 0.1	
456 107 96 10.28 14.52 9.38 1.26 0.1	
457 7 5 28.57 39.14 5.60 1.55 1.4	
458 9 9 0.00 33.44 33.44 0.48 0.0	
459 187 176 5.88 38.67 31.60 1.09 0.0	
460 705 660 6.38 9.91 7.72 1.12 0.1	
461 491 437 11.00 4.20 2.35 1.63 0.1	
462 201 187 6.97 8.03 6.12 1.09 0.1	
463 71 68 4.23 11.35 8.66 1.56 0.7	
464 665 621 6.62 6.58 4.84 1.26 0.1	
465 28 27 3.57 4.96 3.70 1.46 0.7	
466 510 437 14.31 3.55 1.58 2.13 0.1	
467 7820 6469 17.28 3.43 1.44 8.34 0.4	
468 3960 3651 7.80 12.34 8.07 1.73 0.5	
470 521 486 6.72 10.36 7.21 1.87 0.5	
471 14 13 7.14 81.36 63.77 0.85 0.3	

TRIMMED AND UNTRIMMED DATA, 1987
FREQUENCY, LENGTH OF STAY AND COEFFICIENT OF VARIATION

	INC	obici (colorii	UI DINI NW	- COCITICICAT	O ALIVERIT	••	
DIAGNOSIS RELATED	UNTRIMMED Frequency	TRIMMED Frequency	PERCENT OF OBS.	UNTRIMMED Length	TRIMMED LENGTH	untrimmed CV	TRIMMED CV
GROUP			TRIMMED	OF STAY	OF STAY		
1	371	342	7.82	23.63	15.67	1.56	0.63
2	117	105	10.26	14.10	9.33	1.27	0.70
3	197	164	12.30	23.11	13.54	1.37	0.81
4	75	65	13.33	23.59	16.74	0.84	0.42
5	55	51	7.27	22.05	15.69	1.31	0.62
6	284	270	4.93	3.20	2.73	0.86	0.53
7	55	52	5.45	20.67	16.06	1.26	1.00
8	256	229	10.55	8.28	4.90	1.49	0.92
9	99	94	5.05	6.47	5.18	1.20	0.99
10	93	87	6.45	15.76	11.75	1.19	0.90
11	344	305	11.34	10.95	6.32	1.54	1.04
12	1151	1059	7.99	20.05	12.10	2.02	0.81
13	516	483	6.40	14.48	9.86	2.14	0.73
14	3366	3102	7.84	20.89	12.96	2.70	0.86
15	1150	1089	5.30	7.86	6.48	1.05	0.67
16	54	52	3.70	12.20	10.31	0.99	0.64
17	177	168	5.08	12.63	9.94	1.16	0.81
18	179	168	6.15	11.49	8.35	1.35	0.93
19	434	399	8.06	9.46	5.15	2.61	0.87 0.64
20	559 445	524	6.26	11.67 6.02	9.25 4.75	1.09 0.98	0.61
21		411	7.64 14.29	5.86		0.95	0.51
22 23	7 118	6 112	5.08	3.56 4.54	4.00 3.71	1.12	0.71
23 24	570	538	5.61	8.64	6.14	1.85	0.75
25 25	2399	2258	5.88	4.59	3.63	1.14	0.76
26	2676	2483	7.21	4.06	3.04	1.17	0.67
28	1148	1013	11.76	5.97	2.83	3.40	0.87
29	4333	3759	13.27	2,34	1.37	2.05	0.46
30	5482	5065	7.61	1.83	1.37	2.04	0.44
31	34	29	14.71	4.09	2.24	1.26	0.64
32	115	101	12.17	2.18	1.37	1.49	0.49
33	73	68	6.85	1.78	1.43	0.91	0.41
34	207	192	7.25	15.33	8.13	2.57	0.94
35	732	675	7.79	7.11	4.71	1.69	0.84
36	260	254	2.31	8.69	8.29	0.54	0.47
37	66	61	7.58	7.15	5.95	0.76	0.59
38	153	143	6.54	6.81	5.81 5.38	0.74 0.73	0.56 0.40
39	3050	2866	6.03	6.14 2.76	1.79	1.28	0.48
40 41	1290 1721	1162 1584	9.92 7.96	2.76	1.79	0.65	0.36
42	438	408	6.85	7.84	6.62	0.79	0.54
43	205	201	1.95	4.51	4.30	0.62	0.55
44	199	179	10.05	6.24	4.61	1.05	0.65
45	199	183	8.04	5.83	4.39	1.07	0.75
46	89	83	6.74	7.64	5.08	1.45	0.93
47	1599	1494	6.57	4.93	3.85	1.09	0.73
48	475	442	6.95	3.21	2.33	1.54	0.78
49	35	34	2.86	32.06	30.62	0.58	0.55
50	79	75	5.06	6.13	5.57	0.62	0.53
51	33	30	9.09	4.30	3.27	1.00	0.88
52	181	174	3.87	10.56	10.01	0.41	0.33
53	476	453	4.83	4.79	4.21	0.78	0.47

TRIMMED AND UNTRIMMED DATA, 1987
FREQUENCY, LENGTH OF STAY AND COEFFICIENT OF VARIATION

DIAGROSIS RELATED GROUP	UNTRIMMED Frequency	TRIMMED Frequency	PERCENT OF OBS. TRINNED	UNTRIMMED LENGTH OF STAY	TRIMMED LENGTH OF STAY	untrimmed CV	TRIMMED CV
54	369	347	5.96	3.44	2.98	0.73	0.50
55	1570	1487	5.29	3.37	2.90	1.11	0.57
56	424	413	2.59	4.17	4.00	0.45	0.39
57	66	61	7.58	4.50	3.61	0.94	C.44
58	915	803	11.58	3.03	2.70	0.41	0.29
59	938	818	12.79	4.64	4.21	0.36	0.27
60	3995	3755	6.01	3.48	3.26	0.39	0.29
61	212	194	8.49	1.97	1.51	1.09	0.43
62	1991	1634	17.93	1.28	1.00	0.92	0.00
63	285	240	15.79	10.94	4.65	1.50	0.94
64	507	478	5.72	13.34	10.55	1.23	1.01
65	511	481	5.87	5.45	4.49	0.98	0.70
66	1057	979	7.38	3.58	2.82	0.97	0.68
67	32	31	3.13	4.31	3.81	0.90	0.71
68	177	165	6.78	13.05	6.81	4.47	0.68
69	826	782	5.33	3.86	3.29	0.89	0.59
70	4581	4453	2.79	3.55	3.06	1.37	0.72
71	697	670	3.87	2.91	2.49	1.01	0.65
72	1272	1154	9.29	1.92	1.38	1.76	0.47
73	1497	1409	5.95	3.30	2.75	0.94	0.57
74	1172	980	16.39	2.39	1.39	1.66	0.47
75	285	271	4.91	20.01	17.34	0.82	0.53
76	58	57	1.72	17.38	16.37	0.86	0.79
77	129	125	3.10	13.61	12.55	0.77	0.69
78	431	406	5.80	17.42	12.27	2.66	0.60
79	195	189	3.08	21.03	16.99	1.42	1.00
80	211	206	2.37	13.26	11.98	1.02	0.91
81	35	32	8.57	17.40	9.41	2.22 1.27	0.65 0.83
82	1797 33	1728 31	3.84 6.06	12.29	10.42	1.09	0.83 0.65
83 84	52	51	1.92	11.27 4.42	8.71 4.24	0.65	0.60
85	146	143	2.05		11.14	0.92	0.71
86	106	99	2.03 6.60	12.13 10.50	8.63	0.94	0.72
87	126		3.97		9.71	1.43	0.68
88	5773	121 5383	6.76	12.28 11.76	9.33	1.43	0.60
89	2381	2207	7.31	19.91	11.08	6,10	0.65
90	1034	970	6.19	12.06	7.92	6.57	0.60
91	1588	1517	4.47	8.11	6.02	4.56	0.63
92	152	146	3.95	12.08	10.64	0.93	0.70
93	384	363	5.47	8.99	6.17	3,32	0.73
94	131	124	5.34	12.03	10.40	0.83	0.63
95	353	333	5.67	7.39	6.20	0.89	0.61
96	584	559	4.28	10.22	8.63	1.06	0.60
97	2094	2008	4.20	6.78	5.89	0.92	0.66
98	2034 5999	2008 5778	3.68	4.45	3.79	1.18	0.69
99	307	291	5.21	7.51	6.07	1.05	0.75
100	918	830	4.14	4.37	3.65	1.09	0.78
101	1400	1319	5.79	23.58	8.54	10.73	0.61
102	1616	1554	3.84	23.36 5.86	5.01	1.06	0.72
102	13	1334	0.00	15.54	15.54	0.81	0.72
105	78	73	6.41	17.53	14.66	0.81	0.46
106	13	12	7.69	24.00	21.92	0.43	0.33

TRIMMED AND UNTRIMMED DATA, 1987 FREQUENCY, LENGTH OF STAY AND COEFFICIENT OF VARIATION

		100101   1013111	W 01/11 1140		OI VALLERIA	• •	
DIAGNOSIS RELATED GROUP	UNTRIMMED Frequency	TRIMMED Frequency	PERCENT OF 08S. TRIMMED	UNTRIMMED LENGTH OF STAY	TRIMMED LENGTH OF STAY	untrimmed CV	TRIHMED CV
						•	
107	259	247	4.63	14.09	12.75	0.61	0.44
109	145	133	8.28	21.55	15.14	1.43	0.56
110	227	214	5.73	23.67	20.83	0.69	0.54
111	187	177	5.35	20.16	17.40	0.85	0.51
112	230	216	6.09	15.04	11.35	1.36	0.76
113	200	191	4.50	42.07	36.26	0.99	0.64
114	51	46	9.80	28.08	20.43	1.05	0.69
115	26	23	11.54	12.88	9.61	0.87	0.64
116	267	247	7.49	3.41	6.52	1.03	0.70
117	23	26	7.14	6.93	5.38	1.02	0.65
118	2	2	0.00	2.50	2.50	0.85	0.85
119	2425	2254	7.05	3.94	3.24	0.90	0.46
120	254	225	11.42	9.77	4.24	2.70	1.34
121	747	699	6.43	15.56	13.37	0.79	0.48
122	3225	3038	5.80	11.60	10.23	0.68	0.44
123	925	850	8.11	7.66	4.95	1.85	1.03
124	56	51	8.93	5.02	3.59	1.12	0.89
125	1683	1398	16.93	2.93	1.61	2.11	0.40
126	44	43	2.27	22.93	21.56	0.86	0.82
127	3141	2930	6.72	12.54	9.81	1.20	0.65
128	909	865	4.84	11.29	9.91	0.83	0.58
129	336	308	8.33	10.22	6.47	1.61	1.95
130	1129	1062	5.93	12.11	9.02	1.35	0.94
131	987	890	9.83	8.67	5.29	1.62	0.97
132	1144	1965	6.91	10.59	8.41	0.99	0.66
133	1275	1242	2.59	7.06	6.42	0.98	0.75
134	1836	1747	4.35	7.10	5.37	2.68	0.76
135	351	334	4.84	10.06	8.46	0.94	0.68
136	304	293	3.62	7.36	6.33	0.98	0.78
137	233	218	6.44	8.82	5.16	2.96	0.96
138	1435	1366	4,81	8.44	7.19	0.93	0.66
139	1297	1230	5.17	5.32	4.40	1.03	0.73
140	2727	2612	4.22	7.31	6.37	0.89	0.61
141	594	561	5.56	6.30	5.05	1.08	0.75
142	924	891	3.57	3.77	3.28	0.97	0.74
143	4655	4412	5.22	4.72	3.96	0.95	0.68
144	238	231	2.94	12.64	10.76	1.43	0.71
145	503	466	7.36	8.94	6.60	1.18	0.79
146	167	160	4.19	27.51	25.34	0.56	0.45
:47	179	173	3.35	21.29	19.96	0.54	0.43
148	616	577	6.33	27.14	22.10	1.05	0.53
149	574	534	6.97	20.40	16.60	1.17	0.51
150	65	64	1.54	20.17	19.75	0.39	0.36
151	149	141	5.37	10.16	9.06	0.68	0.56
152	161	154	4.35	14.36	11.41	1.16	0.71
153	616	593	3.73	6.04	4.98	1.24	1.00
154	397	372	6.30	23.63	19.90	0.87	0.58
155	616	562	8.77	13.97	11.39	0.78	0.54
156	226	203	10.18	12.46	7.78	1.56	0.44
157	200	189	6.00	10.39	7.56	1.86	0.88
158	1477	1399	5.28	5.29	4.25	1.14	0.75
159	79	73	7.59	12.03	9.85	0.84	0.59

TRIMMED AND LATERIMMED CATA, 1987
FREQUENCY, LENGTH OF STAY AND COEFFICIENT OF VARIATION

DIAGNOSIS RELATED	UNITRIMMED FREQUENCY	TRIMMED FREQUENCY	PERCENT OF OBS.	UNTRIMMED LENGTH	TRIMMED LENGTH	CV UNIRIMMED	TRIMMED CV
GROUP			TRIMMED	OF STAY	OF STAY		
160	309	301	2.59	7.96	6.40	2.67	0.53
161	742	680	8.36	9.20	7,57	0.80	0.44
162	1907	1829	4.09	5.94	5.53	0.51	0.39
163	1137	1099	3.34	2.17	1.91	0.93	0.65
164	32	29	9.38	17.13	15.00	0.55	0.45
165	466	434	6.87	7.18	6.37	0.54	0.33
166	163	153	6.13	10.17	8.65	0.79	0.54
167	6133	5912	3.60	5.27	4.98	0.43	0.31
168	82	27	6.10	8.99	7.14	1.01	0.74
169	607	581	4.28	4.02	3.31	1.13	0.71
170	273	263	3.66	20.46	18.56	0.76	0.64
171	1029	963	6.41	6.89	5.27	1.23	0.84
172	971	922	5.05	16.23	10.13	7.04	0.93
173	623	578	7.22	9.94	6.91	1.44	0.96
174	699	654	6.44	8.20	6.32	1.43	0.74
175	1230	1165	5.28	3.96	2.99	1.52	0.86
176	179	171	4.47	7.54	6.23	1.11	9.91
177	714	678	5.04	7.74	6.42	1.04	0.78
178	1915	1745	8.38	3.37	2.38	1.26	0.36
179	927	876	5.50	7.49	5.86	1.23	0.99
190	211	200	5.21	9.14	7.74	0.90	0.71
181	293	275	6.14	5.58	4.28	1.22	0.70
182	4578	4376	4.41	6.32	5.20	1.20	0.95
183	14205	13150	7.43	3.30	2.43	1.56	0.77
184	8954	8551	4.50	3.61	2.79	1.45	0.78
185	588	541	7.99	4.69	3.08	1.42	0.77
186	638	586	9.15	2.53	1.87	1.07	0.70
187	1619	1530	5.50	1.78	1.54	0.80	0.42
188	635	590	7.09	6.40	4.28	1.56	0.97
189	2152	1964	8.74	2.68	1.74	1.43	0.71 0.63
190 191	1144 39	1005 31	12.15 20.51	3.76 37.79	2.05 23.55	2.26 0.95	0.83
192	64	63	1.56	15.92	23.33 15.29	0.73	0.69
193	129	126	2.33	18.98	17.88	0.66	0.53
194	119	114	4.20	14.39	11.99	1.16	0.95
195	113	13	0.00	15.77	15.77	0.27	0.27
196	7	6	14.29	14.86	12.67	0.46	0.31
197	425	403	5.18	17.49	15.91	0.56	0.44
198	1913	1793	6.27	11.36	10.33	0.46	C.30
199	69	65	5.80	22.20	18.15	0.93	0.68
200	54	50	7.41	20.26	14,64	1.23	0.68
201	56	45	19.64	7.13	3.11	1.32	0.65
202	293	272	7.17	12.51	9.52	1.15	0.84
203	366	348	4.92	12.61	10.48	0.99	0.75
204	352	332	5.68	10.84	7.93	2.25	0.65
205	180	163	9.44	13.01	9.40	1.12	0.70
206	456	427	6.36	7.50	5.72	1.23	0.76
207	583	551	5.49	11.51	8.23	3.86	0.62
208	934	906	3.00	5.68	5.03	1.11	0.69
209	1412	1297	8.14	23.26	20.63	0.61	0.25
210	1219	1118	8.29	24.84	17.99	2.38	0.59
211	398	357	10.30	20.51	15.26	0.90	0.52

APPENDIX 6

TRIMMED AND UNTRIMMED DATA, 1987
FREDURNCY, LENGTH OF STAY AND COEFFICIENT OF WARIATION

	FRED	HIDNEL, YOKEUN	OF STAY AND	COEFFICIENT	OF VARIATIO	rŧ	
DIAGNOSIS RELATED GROUP	UNTRIMMED FREQUENCY	TRIMMED FREQUENCY	PERCENT OF OBS. TRIMMED	UNTRIMMED LENGTH OF STAY	TRIMMED LENGTH OF STAY	UNTRIMMED CV	TRIMMED CV
21.2	205	188	8.29	15.55	11.62	1.02	0.56
213	34	31	8.82	22.18	17.94	0.88	0.80
214	38	35	7.89	31.00	25.09	0.84	0.63
215	710	662	6.76	14.25	12.39	0.68	0.50
216	53	49	7.55	10.75	7.45	1.49	0.85
217	246	212	13.82	11.12	4.76	1.80	0.95
218	82	76	7.32	13.02	14.13	0.98	0.71
219	458	432	5.68	11.39	8.67	1.25	0.69
220	98	88	10.20	9.66	6.39	1.19	0.67
221	66	62	6.06	25.53	24.00	0.36	0.30
222	545	450	17.43	7.14	3.28	1.46	0.77
223	48	45	6.25	15.13	9.04	1.81	0.80
224	338	313	7.40	5.27	4.09	1.02	0.58
225	971	918	5.46	8.08	6.67	0.99	0.68
226	75	68	9.33	13.27	8.04	1.49	0.93
227	932	868	6.87	4.23	3.02	1.29	9.77
228	1	1	0.00	1.00	1.00		
229	1228	1108	3.77	3.88	2.76	1.15	0.59
230	237	211	10.97	8.20	4.69	2.93	0.56
231	21 20	1963	7.41	3.66	2.48	1.73	0.72
233	132	120	9.09	23.64	15.62	1.45	0.79
234	1114	1013	9.07	8.37	5.68	1.30	0.71
235	761	748	1.71	16.83	13.81	2.20	1.23
236	1145	1093	4.54	10.59	8.37	1.32	0.97
237	43	42	2.33	14.81	13.86	0.98	0.96
238	284	267	5.99	10.16	8.30	1.03	9.88
239	616	579	6.01	9.52	7.17	1.34	0.97
240	362	345	4.70	15.13	12.54	1.07	0.76
241	879	854	2.84	10.90	9.40	1.20	0.76
242	118	107	9.32	14.79	9.65	1.26	0.75
243	4997	4802	3.90	7.44	6.34	1.12	0.89
244	520	503	3.27	10.93	9.70	0.94	0.79
245	612	584	4.58	6.33	5.15	1.16	0.94
246	164	158	3.66	9.48	8.20	0.97	0.75
247	2443	2157	11.71	4.83	3.04	3.24	0.70
248	464	439	5.39	4.63	3.69	1.12	0.81
249	1332	1125	15.54	2.97	1.26	2.18	0.42
250	588	514	12.59	4.20	1.75	3.25	0.68
251	1730	1532	11.45	2.04	1.34	1.39	0.45
252	2054	1958	4.67	1.51	1.27	1.04	0.43
253	628	600	4.46	9.14	6.38	1.89	1.06
254	2524	2333	7.57	4.46	2.97	1.65	0.84
255	1449	1307	9.80	3.27	2.11	1.74	0.67
256 257	1694 197	1583 185	6.55 6.09	4.79 15.00	3.13 12.78	2.51 0.72	0.89 0.38
258	352	331	5.97	12.51	11.47	0.72	0.38
258 259	126	121	3.97	8.77	7.78	0.46	0.66
260	232	225	3.97	6.44	5.72	1.01	0.89
261	141	136	3.02 3.55	4.55	4.13	0.76	0.64
262	2256	2178	3,46	2.14	1.89	0.76	0.60
263	2256 31	2178	3.45 12.90	2.14 31.16	16.30	1.58	0.75
264	35	33	5.71	15.23	12.36	1.15	1.07
607	33	33	4.71	13.53	16.30	1.1.	1.07

TRIMMED AND UNTRIMMED DATA, 1987
FREQUENCY, LENGTH OF STAY AND COEFFICIENT OF VARIATION

DIAGNOSIS RELATED GROUP	Untrimmed Frequency	TRIMMED Frequency	PERCENT OF OBS. TRIMMED	UNTRIMMED LENGTH OF STAY	TRIMMED LENGTH OF STAY	UNTRIHMED CV	TRIMMED CV
255	44	25		20	E 47	1.40	
265 266	41	35 1082	14.63	11.29 4.79	5.17	1.48	1.01 0.95
266 267	121 <del>9</del> 323	312	11.24		2.63 6.39	1.55	0.62
267 268	323 603	560	3.41 7.13	7.09		0.78 1.13	0.83
269	891	940 840	5.72	11.91 7.11	9.09 5.21	1.13	1.13
270	6497	5923	8.83	1.93	1.22	2.22	0.42
271	354	335	5.37	20.17	15.99	1.13	0.83
272	163	157	3.68	13.73	12.12	0.91	0.77
273	357	353	1.12	9.89	9.48	0.90	0.85
274	512	490	4.30	15.19	12.10	1.51	0.83
275	255	249	2.35	10.76	9.69	1.06	0.90
276	337	316	6.23	3.20	2.58	1.00	0.73
277	285	269	5.61	9.95	8.28	0.93	0.70
278	1047	984	6.02	5.31	4.23	1.07	0.72
279	542	516	4.80	4.17	3.52	0.99	0.73
280	426	391	8.22	5.40	3.46	2.19	0.90
281	1551	1408	9.22	2.85	2.01	1.18	0.67
282	1323	1144	13.53	2.18	1.36	1.30	0.46
283	597	539	9.88	7.36	4.74	1.29	0.86
284	3072	2791	9.15	3.30	1.98	1.66	0.87
285	5	5	0.00	32.80	32.80	0.62	0.62
286	30	29	3.33	17,43	16.00	0.78	0.59
287	3	2	33.33	48.00	26.00	0.82	0.54
288	14	14	0.00	11.00	11.00	0.74	0.74
289	20	17	15.00	15.40	11.47	0.73	0.46
290	437	396	9.38	7.56	6.33	0.70	0.36
291	50	44	12.00	4.32	3.36	0.72	0.51
292	8	8	0.00	9.88	9.88	0.89	0.89
293	44	37	15.91	6.39	2.03	1.95	0.85
294	2900	2767	4.59	7.35	5.95	1.33	0.89
295	1160	1108	4.48	5.90	4.58	2.14	0.93
296	440	419	4.77	10.72	9.17	0.95	0.74
297	636	600	5.66	8.32	6.34	1.36	0.83
298	1230	1159	5.77	8.70	6.13	2.27	0.92
299	254	223	12.20	13.49	5.28	2.12	1.06
300	295	279	5.42	11.83	9.81	1.00	0.78
301	752	705	6.25	6.80	5.12	1.22	0.86
302	8	8	0.00	11.00	11.00	0.31	0.31
303 304	104	97	6.73	21.57	19.29	0.54	0.41
304 305	122 697	119 674	2.46	16.62	15.63 8.48	0.75	0.69 0.75
306	637 58	55	3.30 5.17	9.65	10.62	1.00	0.60
306 307	38	36	5.26	12.14 8.84	7.75	0.76 0.72	0.56
307	38	36 36	5.26 5.26	10.24	8.83	0.72	0.92
309	52 52	46	11.54	10.21	7.50	0.89	0.65
310	256	242	5.47	7.14	7.30 5.81	1.03	0.83
311	371	343	7.55	5.13	4.02	0.97	0.64
312	87	78	10.34	8.52	6.47	0.85	0.52
313	161	152	5.59	7.21	5.68	1.10	0.69
314	156	128	17.95	4,29	2.21	1.15	0.73
315	88	87	1,14	17.09	16.45	0.96	0.93
316	739	696	5.82	12.85	9.25	1.79	0.92

TRIMMED AND UNTRIMMED DATA, 1987
FREQUENCY, LENGTH OF STAY AND COEFFICIENT OF VARIATION

	FAEQ	PENCH PERMIT	Ur SIMI MIU	COEFFICIENT	OL AMVINITO	••	
DIAGNOSIS RELATED GROUP	UNTRIMMED Frequency	TRIMMED FREQUENCY	PERCENT OF OBS. TRIMMED	untrimmed Length Of Stay	TRIMMED LENGTH OF STAY	untrimmed CV	TRIMMED CV
317	13	13	0.00	1.00	1.00	0.00	0.00
317	294	274	6.80	11.64	8.08	1.57	0.93
319	270	244	9.63	6.73	3.93	1.52	0.96
320	825	781	5.33	15.82	8.86	4.73	0.70
321	1361	1289	5.29	8.18	3.56	16.77	0.74
322	1550	1468	5.29	4.54	3.48	1.39	0.80
323	214	203	5.14	6.33	5.35	0.95	0.69
324	1477	1376	6.84	4.13	3.36	0.98	0.63
325	810	767	5.31	7.37	5.18	2.94	0.80
326	1259	1156	8.18	3,54	2.56	1.18	0.72
327	407	373	8.35	4.82	3.50	1.24	0.90
328	256	238	7.03	4.24	2.80	1.55	0.88
329	211	198	6.16	3.40	2.40	1.34	0.72
330	18	15	16.67	3.44	1.27	1.91	0.47
331	384	355	7.55	7.76	5.80	1.13	0.86
332	687	651	5.24	5.21	3.88	1.56	0.86
333	579	496	14.34	4.36	2.14	1.53	0.79
334	30	28	6.67	25.07	22.29	0.54	0.38
335	169	162	4.14	17.16	15. <b>8</b> 9	0.57	0.47
336	1206	1113	7.71	13.29	11.14	0.76	0.43
337	787	732	6.99	10.25	8.89	0.64	0.38
339	104	96	7.69	11.65	9.77	0.79	0.65
33 <del>9</del>	685	649	5.26	4.75	4.17	0.71	0.51
340	1933	1893	2.07	2.93	2.77	0.72	0.63
341	209	201	3.83	6.74	5.84	1.02	0.87
342	359	338	5.85	2.77	2.35	0.B2	0.57
343	1322	1280	3.18	1.54	1.42	0.62	0.43 0.58
344	11	9 34	18.18 8.11	19.82 9.97	13.67 5.85	0.85 1.55	0.82
345 346	37 393	380	3.31	11.05	9.69	0.98	0.78
347	135	120	11.11	9.88	6.27	1.32	0.85
348	365	338	7.40	7.37	5.40	1.19	0.81
349	242	225	7.02	4.05	3.13	1.04	0.81
350	473	450	4.86	4.25	3.50	1.03	0.77
351	392	389	0.77	1.01	1.00	0.09	0.00
352	742	686	7.55	2.67	2.01	1.12	0.66
353	46	41	10.87	16.98	13.27	0.73	0.42
354	213	198	7.04	15.58	13.07	0.81	0.36
355	2745	2594	5.50	10.75	10.15	0.34	0.23
356	664	639	3.77	9.53	8.89	0.54	0.43
357	64	56	12.50	16.45	12.43	0.81	0.48
358	1217	1195	1.81	6.26	5.91	0.79	0.70
359	806	702	12.90	3.17	2.55	0.63	0.27
360	1276	1238	2.98	5.10	4.49	1.09	0.94
361	984	929	5.59	2.38	2.08	0.65	0.35
362	282	275	2.48	1.86	1.79	0.39	0.33
363	324	279	13.89	11.49	6.72	1.18	0.85
364	6062	5617	7.34	2.06	1.75	0.72	0.34
365	275	263	4.36	9.18	8.14	0.81	0.59
366	208	190	8.65	11.87	7.96	1.33	0.94
367	313	290	7.35	7.30	5.35	1.26	0.96
368	222	205	7.66	4.24	3.13	1.11	0.65

TRIMMED AND UNTRIMMED DATA, 1987
FREQUENCY, LENGTH OF STAY AND COEFFICIENT OF VARIATION

		,					
DIAGNOSIS	UNTRIMMED	TRIMMED	PERCENT	UNTRIMMED	TRIMMED	untrimmed	TRIMMED
RELATED	FREQUENCY	FREQUENCY	OF 08\$.	LENGTH	LENGTH	CV	cv
GROUP			TRIMED	OF STAY	OF STAY		
369	1600	1486	7.13	3.30	2.43	1.26	0.75
392	39	36	7.69	20.38	16.31	0.82	0.50
393	30	25	16.67	12.87	9.64	0.62	0.31
394	168	157	6.55	5.38	3.90	1.29	0.97
395	1672	1594	4.67	8.22	6.77	1.21	0.84
396	286	270	5.59	5.09	3.83	1.36	0.93
397	375	348	7.20	7.35	5.45	1.11	0.77
398	168	160	4.76	9.30	6.67	1.67	1.04
399	439	386	12.07	4.23	2.30	1.59	0.83
400	216	208	3.70	16.25	14.01	1.04	0.85
401	96	92	4.17	15.08	13.41	0.87	0.78
402	157	147	6.37	11.94	8.07	2.17	0.83
403	<b>7</b> 17	669	6.69	12.13	8.98	1.34	0.91
404	925	851	8.00	8.99	6.03	1.80	0.96
405	464	405	12.72	6.42	2.43	2.08	1.08
406	26	24	7.69	25.88	17.67	1.34	1.10
407	26	25	3.85	13.46	10.88	1.24	0.96
408	163	150	7.98	7.56	4.60	1.89	1.01
409	251	243	3.19	10.39	9.22	1.02	0.90
410	3157	2913	7.73	2.92	1.91	2.72	0.63
411	43	40	6.98	2.53	1.90	1.09	0.76
412	112	104	7.14	1.96	1.43	1.11	0.41
413	118	111	5.93	14.22	11.55	0.99	0.79
414	69	64	7.25	9.13	6.33	1.34	0.92
415	116	106	8.62	13.42	9.39	1.26	0.93
416	201	187	6.97	20.19	11.60	2.72	0.79
417	117	110	5.98	9.91	8.10	0.91	0.54
418	489	461	5.73	7.12	5.69	1.22	0.75
419	42	39	7.14	11.45	9.69	0.81	0.72
420	90	87	3.33	9.02	8.20	0.83	0.73
421	436	410	5.96	6.69	4.96	2.10	0.66
422	1651	1535	7.03	3.37	2.71	0.95	0.59
423	367	352	4.09	7.04	5.73	1.21	0.88 0.62
424	19	16	11.11	38.06	12.50	2.41 1.30	0.82
425 426	394 599	368 578	6.60 3.51	6.57 12.79	4.82 11.40	0.92	0.79
427	53	578 51	3.77	13.06	11.92	0.85	0.73
428	148	146	1.35	24.57	23.62	0.83	0.88
429	344	319	7.27	23.31	11.64	4.29	0.91
430	528	491	7.01	20.23	12.14	2.95	0.87
431	164	146	10.98	4.57	3.02	1.23	0.65
432	52	50	3.85	5.48	4.60	1.10	0.88
433	74	56	24,32	1.73	1.00	1.10	0.00
434	362	296	18.23	2.56	1.26	1.54	0.46
435	425	405	4.71	7.67	6.35	1.08	0.84
439	17	16	5.88	3.24	2.50	1.61	0.51
448	307	269	12.38	5.86	2.57	3.31	0.87
441	64	58	9.38	5.06	3.31	1.39	0.73
442	55	50	9.09	23.85	15.46	1.30	0.82
443	283	251	11.31	8.92	4.23	1.91	0.98
444	285	269	5.61	7.28	5.13	1.56	0.92
445	1 351	1239	8.29	3.30	2.26	1.35	0.76

### TRIMMED AND UNTRIMMED DATA, 1987 FREDUENCY, LENGTH OF STAY AND COEFFICIENT OF VARIATION

DIAGNOSIS RELATED GROUP	UNTRIMMED Frequency	TRIMMED Frequency	PERCENT OF OBS. TRIMMED	UNTRIMMED LENGTH OF STAY	TRIMMED LENGTH OF STAY	untrinhed CV	TRIMMED CV
446	834	769	7.79	2.66	1.93	1.56	0.71
447	42	38	9.52	4.98	3.47	1.08	0.75
448	25	23	8.00	1.84	1.65	0.54	0.47
449	425	373	12.24	5.93	3.08	1.66	0.92
450	2220	2065	6.98	2.66	1.91	1.33	0.68
451	1847	1700	7.96	1.69	1.28	1.11	0.44
452	98	88	10.20	9.41	6.32	1.15	0.71
453	320	298	6.88	5.04	3.67	1.28	0.75
454	86	82	4.65	11.63	9.40	1.15	0.93
455	127	109	14.17	4,23	1.70	2.12	0.64
456	99	90	9.09	13.63	8.31	1.47	1.08
457	7	5	28.57	22.00	2.80	1.82	0.77
458	12	11	8.33	39.25	16.64	1.63	0.89
459	172	165	4.07	28.70	25.98	0.77	0.68
460	661	630	4.69	9.62	7.86	1.17	0.83
461	538	461	14.31	3.69	1.92	1.55	0.66
462	100	87	13.00	7.84	4.21	2.17	0.63
463	61	58	4.92	9.15	8.22	0.72	0.65
464	627	594	5.26	6.28	4.86	1.50	0.79
465	51	46	9.80	9.20	6.59	1.15	1.07
466	645	595	7.75	5.73	3.58	2.06	1.07
467	7705	6529	15.26	2.69	1.39	2.96	0.46
468	3593	3228	10.16	11.15	6.46	1.69	0.98
470	372	339	8.87	12.65	4.93	7.97	0.87
471	2	2	0.00	54.50	54.50	0.06	0.06

FREQUENCY, LENGTH OF STAY AND COEFFICIENT OF VARIATION								
DIAGNOSIS RELATED GROUP	UNTRINHED FREQUENCY	TREMMED Frequency	PERCENT OF OBS. Trimmed	UNTRIMMED LENGTH OF STAY	TRIMMED LENGTH OF STAY	1.14 0.96 1.19 1.20 1.08 1.42 1.71 1.33 1.08 1.86 1.53 1.51 2.66 1.33 1.01 1.25 2.78 1.71 1.24 1.16 0.88 1.13 2.27 5.37 1.99 1.69 8.02 2.25 2.50 1.42 1.10 1.49 1.37 1.08 1.10 1.49 1.37 1.08 1.11 1.40 1.32 1.18 1.61 1.10 2.42 1.32 1.14 1.00 1.32 1.14 1.00 1.32 1.14 1.00 1.32 1.14 1.00 1.32 1.46 1.38	TRIHMED CV	
1	358	342 79 149	4.47	8.63	7.08	1.14	0.87	
2	87	79	9.20	5.56	4.25	0.96	0.82	
3	163	149	8.59	6.58	4.60	1.19	0.83	
4		47	6.00	11.74	8.96	1.20	0.89	
5	<b>50</b> 76	73	3.95	8.39	7.08	1.08	0.90	
6	259	47 73 240	7 34	9.35	6 49	1 42	0.96	
7	42	37	11 90	8 12	3 95	1 71	0.94	
8	166	145	12.65	6.14	3 47	1 33	0.85	
9		70	5 41	6.24	5.09	1.00	0.00	
10	137 372	126 338 949 443	8 13	7 23	4 72	1.86	0.81	
11	272	330	9 14	7.23	4 76	1.53	0.01	
12	1004	949	5.40	7 22	5 26	1.53	0.50	
13	468	443	5.34	7.33	5.20	1.55	0.20	
14	700	2000	6.43	7.33	5.73	2.56	0.00	
15	3301 1191	3089 1133	4 92	6.65	5.10	1 22	0.03 A Q1	
16	1171	1133	4.07 C 70	6.63	5.12	1.33	0.91	
17	59 175 222	55 164 205	6.76	7.05	5.33	1.01	0.03	
18	222	205	7.55	9.47	5.57	2.70	0.55	
	455	427	7.00 6.15	5.4/ 6.54	J. JD	1.70	0.23	
19		427 401 318	6.13	5.34 5.37	4.63	1.71	0.79	
20	428 334	901	0.31	J.J/	4.11	1.24	0.76	
21		318	9.75	4.33	3.60	1.10	0.73	
22	5	5	9.00	9.40	9.40	1.00	0.00	
23	154	148	3.90	5.10	9.25	1.13	0.89	
24	512	5 148 473 2034 2550 966 3567 4112	7.62	7.24	4.50	2.27	0.82 0.83 0.89 0.96 0.96 0.95 0.93 0.81 0.90 0.88 0.83 0.91 0.89 0.78 0.78 0.78 0.89 0.93 0.89 0.93 0.89 0.93 0.89 0.89 0.89 0.89 0.89 0.89	
25	2212	2034	8.05	7,22	4.30	3.37	0.87	
26	2726	2550	6.46	4.84	3.39	1.99	0.87	
28	1062	966	9.04	6.35	3.98	1.69	0.93	
29	3878 4562	3567	8.02	7.38	3.78	8.02	0.94	
30	4562	4112	9.86	5.00	2.86	2.25	0.88	
31	36 91	31 <b>8</b> 2	13.89	6.56	2.52	2.50	0.59	
32		82	9.89	4.41	2.72	1.42	0.93	
33	80	76 174	5.00	3.65	2.78	1.29	U./b	
34	184	174	5.43	6.29	5.09	1.10	0.91	
35	776	7 <b>29</b> 272	6.06	5.66	4.10	1.49	0.89	
36	301	2/2	9.63	3.43	3.64	1.37	0.68	
37	87	82	5./5	4.08	3.23	1.08	0.80	
38	212	200	3.66	4.79	3.78	1.10	0.74	
39	3484	3204	8.04	5./4	3.96	1.82	0.69	
40	1371	1282	6.49	4.21	3.05	1.38	0.81	
41	1718	1525	11.23	4.36	2.52	1.83	0./1	
42	432	454	2.81	5.56	4.31	1.18	0.83	
43	221	213	3.62	4.92	3.83	1.61	0.74	
44	174	163	6.32	4.92	3.77	1.16	0.75	
45	171	162	5.26	4.66	3.78	1.09	0.79	
46	85	272 82 200 3204 1282 1525 454 213 163 162 81 1310	9./1	4./9	3.89	1.10	0.74 0.75 0.79 0.80 0.83	
47	1409	1310	7.03	3.27	J. 34	4.42	V.03	
48	554	514 40	7.44	4.32	3.03	1.32	0.85 1.04 0.88 0.84	
49 50	45	4U	11.11	5.38 5.33	4.4/	1.14	1.U4 00 0	
50	91 45	86 37	2,43	3.32	9,44	1.00	0.00	
51 52	45	J/	17.78	b.b/	J.00	1.36	0.73	
52 53	144 333	173	13.19	4.30 5.10	2.38	1.40	0.76	
23	333	37 125 308	7.51	3.18	1.68	1.38	4./5	

TRIMMED AND UNTRIMMED DATA, 1988
FREQUENCY, LENGTH OF STAY AND COEFFICIENT OF VARIATION

	*	00.0.,00.0	O. 51A. 1440	COCITICION	Or VHKIHITO	11	
DIAG40SIS RELATED GROUP	UNTRIMMED Frequency	TREMMED Frequency	PERCENT OF OBS. TRIMMED	UNTRIMMED LENGTH OF STAY	TRIMMED LENGTH OF STAY	untrimmed CV	TRIMMED CV
				J. 01/11	o Jini		
54	352	324	7.95	5.51	3.01	2.24	0.79
55	1538	1415	8.00	5.46	3.38	2.09	0.84
56	385	347	9.87	6.70	3.54	1.93	0.74
57	62	55	11.29	4.82	3.09	1.16	0.63
58	923	852	7,69	4.76	2.98	1.95	0.74
59	807	729	9.67	6.35	3.99	1.54	0.75
60	3844	3382	12.02	5.12	2.98	1.71	0.66
61	169	154	8.88	5.06	3.47	1.23	0.87
62	2028	1798	11.34	5.59	2.79	2.73	0.89
63	280	264	5.71	7.53	4.77	3.10	0.91
64	457	421	7.88	9.95	7.06	1.24	0.98
65	615	559	9.11	5.63	3.75	1.41	0.79
66	972	900	7.41	5.25	3.64	1.53	0.84
67	43	41	4.65	5.84	4.10	1.48	0.73
68	185	176	4.86	5.99	4.92	1.09	0.85
69	891	816	8.42	5.54	3.45	1.68	0.83
70	4615	4292	7.00	4.92	3.24	2.09	0.88
71	504	473	6.15	4.62	3.30	1.44	0.81
72	1325	1200	9.43	6.59	3.11	7.92	0.82
73	1500	1362	9.20	5.59	3.50	1.51	0.82
74	1169	1073	8.21	5.81	2.97	6.60	0.89
75	315	300	4.76	9.02	7.03	1.29	0.90
76	43	39	9.30	5.93	4.18	1.14	0.78
77	116	113	2.59	7.89	6.97	1.13	0.88
78	395	373	5.57	7.16	5.62	1.19	0.84
79	176	164	6.82	7.23	4.99	1.56	0.87
80	156	150	3.85	7.51	6.60	0.98	0.84
81	34	32	5.88	6.09	4.25	1.40	0.80
82	1879	1732	7.82	8.16	5.67	1.52	0.91
83	19	19	0.00	4.58	4.58	0.93	0.93
84	60	57	5.00	6.38	3.86	2.49	0.72
85 86	160	149	6.88	6.56	4.95	1.20	0.87
86 87	106	103	2.83	5.68	5.14	0.98	0.89
87 88	131	122	6.87	6.66	4.84	1.19	0.75
89	5221 2226	4858 2098	6.95	7.37	5.06	2.24	0.85
90	930	2098 873	5.75	8.60	5.75	3.01	0.85
91	1653	1555	6.13	8.39	4.85	7.16	9.81
92	139	133	5.93 6.47	5.08	3.59	1.88	0.81
93	315	294	6.67	10.30 7.26	6.33	1.83	0.86
94	101	95	5.94	6.50	4.97	1.62	0.95
95	331	310	6.34	7.27	5.05 4.88	1.11	0.81
96	623	576	7.54	6.48	4.88	2.28	0.80
97	1972	1808	8.32	6.80	4.49	1.45	0.88
98	6132	5723	6.67	4.83	3.35	1.66 1.76	0.87
99	299	277	7.36	5.88	4.34	1.76	0.84 0.84
100	891	824	7.52	6.19	4.18	1.47	0.84
101	1311	1226	6.48	7.37	4.94	2.00	0.88
102	1468	1379	6.06	5.51	4.01	1.48	0.87
103	2	2	0.00	4.00	4.00	1.46	1.06
104	4	3	25.00	4.75	2.33	1.04	0.49
105	155	148	4.52	8.94	7.30	1.11	0.43
-				3.34	7.50	1.11	0.77

TRIMED AND UNTRIMED DATA, 1988
FREQUENCY, LENGTH OF STAY AND COEFFICIENT OF VARIATION

DIAGNOSIS	UNTRIMMED	TRIMMED	PERCENT	UNTRIMMED	TRIMMED	UNTRIMMED	TRIMMED
RELATED	FREQUENCY	FREQUENCY	OF 085.	LENGTH	LENGTH	£V.	٤٧
GROUP			TRIMMED	OF STAY	OF STAY		
G.150.							
106	22	22	0.00	7.55	7.55	0.80	0.80
107	584	555	4.97	7.88	6.25	1.14	0.79
109	124	112	9.68	5.87	3.15	1.73	0.96
110	225	213	5.33	9.87	6.93	1.60	0.97
111	168	165	1.79	8.39	7.73	0.97	0.83
112	281	259	7.83	7.94	4.96	1.62	0.97
113	190	168	11.58	10.06	5.00	2.43	0.87
114	71	63	11.27	8.92	6.38	0.99	0.82
115	32	31	3.13	5.59	4.19	1.58	0.96
116	266	254	4.51	7.62	4.26	4.01	0.86
117	21	20	4.76	5.62	4.90	1.04	1.01
118	8	8	0.00	5.38	5.38	0.93	0.93
119	2576	2362	8.31	6.59	4.10	2.97	0.92
120	238	222	6.72	6.25	4.15	1.73	0.85
121	716	675	5.73	6.82	5.28	1.27	0.77
122	3331	3120	6.33	6.61	4.97	1.53	0.76
123	794	750	5.54	6.10	4.62	1.29	0.86
124	57	51	10.53	5. <i>7</i> 5	3.57	1.30	0.76
125	1507	1366	9.36	8.04	3.78	8.05	0.99
126	37	34	8.11	15.89	5.00	3.56	0.70
127	3012	2794	7.24	7.76	5.15	3.53	0.85
128	820	768	6.34	6.39	4.92	1.18	0.82
129	346	321	7.23	7.29	4.99	1.50	0.84
130	915	868	5.14	6.98	5.04	1.79	0.95
131	745	691	7.25	6.97	4.79	1.78	0.90
132	914	867	5.14	7.32	5.48	1.40	0.90
133	1055	980	7.11	6.76	4.79	1.37	0.87
134	1763	1642	6.86	6.24	4.52	1.37	0.87
135	282	260	7.80	6.92	4.71	1.39	0.82
136	290	268	7.59	7.21	5.13	1.38	0.92
137	390	360	7.69	5.73	3.69	1.57	0.95
138	1332	1237	7.13	7.70	4.68	4.08	0.84
139	1163	1071	7.91	6.35	4.26	1.48	0.86
140	2663	2480	6.87	7.05	4.96	1.53	0.87
141	596	565	5.20	6.58	4.94	1.42	0.90
142	894	841	5.93	5.84	4.32	1.37	0.88
143	4984	4697	5.76	6.46	4.61	1.79	0.88
144	235	215	8.51	8.06	5.20	1.53	0.95
145	449	421	6.24	6.20	4.56	1.38	0.92
146	240	224	6.67	7.56	5.51	1.27	0.84
147	165	151	8.48	7.71	5.71	1.10	0.91
148	618	584	5.50	7.78	6.07	1.22	0.82
149	505	464	8.12	8.43	5.17	2.42	0.87
150	65	62	4.62	9.18	6.61	1.11	0.85
151	148	142	4.05	5.62	4.88	0.95	0.81
152	186	173	6.99	6.63	4.93	1.18	0.79
153	671	617	8.05	6.64	4.38	1.47	8.94
154	410	383	6.59	8.06	6.00	1.37	0.87
155	643	596	7.31	7.66	5.27	1.68	0.79
156	249	239	4.02	4.94	3.87	1.40	0.78
157	230	211	8.26	7.03	4.77	1.43	0.88
158	1292	1190	7.89	8.19	4.43	7.76	0.88

TRIMMED AND UNTRIMMED DATA, 1988
FREQUENCY, LENGTH OF STAY AND COEFFICIENT OF VARIATION

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DIAGNOSIS RELATED	UNTRIMMED FREQUENCY	TRIMMED Frequency	PERCENT OF OBS.	LINTRIMMED LENGTH	TRIMMED LENGTH	LNTRIHHED CV	TRIMMED CV
GROUP			TRIMMED	OF STAY	OF STAY		
159	82	74	9.76	8.16	5.41	1.21	0.80
160	294	278	5.44	6.19	4.79	1.21	0.82
161	722	675	6.51	6.39	4.66	1.45	0.83
162	1888	1756	6.99	6.68	4.73	1.49	0.85
163	1098	1026	6.56	4.80	3.37	1.49	0.90
164	29	28	3.45	5.79	5.21	0.94	0.30
165	430	393	8.60	5.49	3.55	1.57	0.73
166	142	133	6.34	5.60	4.05	1.41	0.73
167	5285	4830	8.61	4.95	3.21	2.55	0.74
168	54	50	7.41	7.72	5.82	1.09	0.85
169	314	286	8.92	4.79	3.25	1.24	0.87
170	218	201	7.80	7.00	5.30	1.06	0.82
171	863	808	6.37	5.59	4.15	1.27	0.90
172	1046	957	8.51	7.93	4.76	2.53	0.91
173	627	585	6.70	8.25	5.57	1.71	0.94
174	716	667	6.84	5.91	4.12	1.40	0.87
175	1129	1041	7.79	6.01	3.98	1.55	0.90
176	200	190	5.00	6.86	5.01	1.57	0.97
177	624	583	6.57	7.02	4.92	1.54	0.94
178	1819	1687	7.26	6.86	4.48	2.22	0.95
179	959	881	8.13	7.64	4.68	2.94	0.89
180	226	207	8.41	6.81	4.52	1.36	0.87
181	299	280	6.35	6.03	4.10	1.52	0.85
182	4722	4423	6.33	6.64	4.73	1.77	0.89
183	13727	12665	7.74	6.15	4.04	1.82	0.93
184	8276	7677	7.24	4.99	3.44	1.47	0.86
185	524	466	11.07	6.58	3.96	1.38	0.83
186	582	526	9.62	4.58	2.90	1.47	0.85
187	1333	1201	9.90	4.78	2.84	1.49	0.88
188	596	552	7.38	6.67	4.60	1.49	0.91
189	2303	2124	7.77	6.26	4.18	1.85	0.91
190	943	863	8.48	4.63	2.95	1.74	0.83
191	37	34	8.11	6.81	4.85	1.25	1.11
192	94	89	5.32	8.70	6.60	1.26	0.84
193	154	144	6.49	7.03	5.52	1.07	0.82
194	110	107	2.73	8.28	7.44	1.05	0.92
195	10	10	0.00	4.00	4.00	0.69	0.69
196	7	5	28.57	12.57	5.00	1.06	0.79
197	403	371	7.94	7.78	5.44	1.41	0.85
198	1867	1759	5.78	7.11	5.32	1.35	0.82
199	55	49	10.91	5.25	3.35	1.35	0.83
200	50	45	10.00	6.28	3.89	1.49	0.95
201	47	46	2.13	8.13	7.41	0.97	0.85
202	256	237	7.42	8.15	5.46	1.50	0.87
203	390	358	8.21	9.30	5.97	1.56	0.96
204	349	321	8.02	7.71	4.94	1.74	0.75
205 206	154 407	147 382	4.55	6.86	5.42	1.28	0.95
206	407 517		6.14	5.50	4.08	1.34	0.83
207 208	517 854	479	7. <b>35</b>	6.58	4.72	1.33	0.83
208 209	1404	800 1343	6.32 4.34	5.81	4.10	1.55	0.88
209 210	1035	1343 985		11.82	9.41	1.28	0.82
210	1033	203	4.83	8.35	6.87	1.12	0.84

TRIMMED AND UNTRIMMED DATA, 1988
FREQUENCY, LENGTH OF STAY AND COEFFICIENT OF VARIATION

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DIAGNOSIS	UNTRIMMED	TRIMMED	PERCENT	UNTRIMMED	TRIMMED	UNTRIMMED	TRIMMED
RELATED	FREQUENCY	FREQUENCY	OF OBS.	LENGTH	LENGTH	CV	CV
GROUP			TRIMED	OF STAY	OF STAY		
211	377	358	5.04	8.71	7.18	1.06	0.80
212	172	159	7.56	7.08	4.87	1.41	0.86
213	25	23	8.00	7.28	5.30	1.19	0.67
214	36	33	8.33	8.22	5.67	1.29	1.08
215	771	720	6.61	8.79	6.55	1.35	0.89
216	53	46	13.21	5.23	3.09	1.22	0.93
217	262	244	6.87	5.91	4.07	1.51	0.93
218	75	73	2.67	8.76	7.89	1.02	0.92
219	455	424	6.81	8.95	6.30	1.66	0.90
220	102	89	12.75	6.50	3.51	1.50	0.84
221	84	82	2.38	9.88	9.11	0.91	0.82
222	427	413	3.28	8.37	7.30	1.10	0.96
223	42	39	7.14	6.95	5.23	1.18	1.03
224	321	287	10.59	6.79	3.72	2.24	0.90 0.87
225	923	816	11.59	7.49	4.45	1.63	0.87
226	66	60	9.09	9.02	5.40	1.20 1.41	0.94
227	916	843	7.97 0.00	5.84 28.33	3.95 28.33	0.90	0.90
228	3	3 1083			28.33 3.67	2.31	0.95
229	1192		9.14 5.38	6.47 7.12	5.47	1.40	1.00
230 231	223 1811	211 1676	7.45	8.84	6.03	2.09	1.00
		153	8.38	8.23	6.08	1.10	0.87
233 234	167 1062	986	7.16	8.38	5.99	1.38	0.97
235	590	586	0.68	7.42	7.02	1.25	1.13
235	1048	1018	2.86	6.87	5.94	1.19	0.98
236	45	42	6.67	9.11	5.07	2.42	1.03
237	318	296	6.92	6.07	4.23	1.43	0.86
239	676	604	10.65	8.75	5.24	1.48	0.99
240	315	310	1.59	7.58	6.81	1.20	0.99
241	795	781	1.76	7.53	6.41	1.56	1.08
242	113	103	8.85	7.59	4.71	1.55	0.82
243	4480	4129	7.83	7.21	4.97	1.41	0.90
244	465	447	3.87	9.05	7.23	1.42	0.94
245	615	583	5.20	7.39	5.91	1.19	1.02
246	141	132	6.38	8.09	4.74	2.02	1.00
247	2329	2097	9.96	6.91	4.41	1.37	0.97
248	487	459	5.75	6.94	5.21	1.36	0.97
249	707	659	6.79	6.92	4.86	1.38	1.07
250	569	530	6.85	5.62	3.74	1.78	0.93
251	1318	1209	8.27	5.80	3.69	1.58	0.98
252	1795	1609	10.36	4.94	2.76	1.71	0.90
253	565	544	3.72	7.04	5.51	1.42	0.98
254	2262	2125	6.06	6.81	4.90	1.50	1.00
255	1191	1079	9.40	4.94	2.94	1.68	0.86
256	1679	1595	5.00	6.43	4.47	1.98	1.11
257	171	161	5.85	7.42	5.46	1.45	0.84
258	330	305	7.58	8.72	6.10	1.72	0.75
259	130	121	6.92	7.00	4.38	2.04	0.78
260	240	225	6.25	7.62	4.40	4.11	0.89
261	136	127	6.62	6.10	4.26	1.39	0.88
262	2115	1946	7.99	6.27	3.83	1.68	0.96
263	26	25	3.85	5.04	4.04	1.26	0.97

# TRIMMED AND UNTRIMMED DATA, 1988 FREQUENCY, LENGTH OF STAY AND COEFFICIENT OF VARIATION

		•					
DIAGNOSIS	UNTRIMMED	TRIMED	PERCENT	UNTRIMMED	TRIMED	UTRIMMED	TRIMMED
RELATED	FREQUENCY	FREQUENCY	OF 08\$.	LENGTH	LENGTH	cv	ev
GROUP			TR1MMED	OF STAY	OF STAY		
264	40	38	5.00	8.38	7.11	0.97	0.83
265	42	38	9.52	6.69	4.74	1.19	0.71
266	1275	1182	7.29	5.59	3.86	1.46	0.97
267	351	320	8.83	6.24	4.26	1.27	0.85
268	500	460	8.00	7.44	5.22	1.26	0.99
269	800	728	9.00	7.05	4.61	1.36	0.92
270	6027	5619	6.77	5.33	3.69	1.46	0.99
271	331	313	5.44	7.27	5.50	1.35	0.91
272	170	162	4.71	7.47	6.13	1.14	0.97
273	415	400	3.61	6.66	5.50	1.25	0.89
274	550	510	7.27	9.10	6.39	1.57	0.85
275	268	250	6.72	9.41	6.80	1.43	0.98
276	260	239	8.08	7.32	4.84	1.50	1.02
277	264	244	7.58	6.72	4.81	1.27	0.84
278	980	909	7.24	6.54	4.20	3.16	0.89
279	500	468	6.40	4.15	2.91	1.54	0.83
280	360	340	5.56	5.53	4.23	1.29	0.90
281	1346	1220	3.36	5.38	3.37	1.47	0.89
282	1243	1140	8.29	4.49	2.82	1.78	0.86
283	517	471	8.90	7.27	4.91	1.26	0.87
284	2642	2452	7.19	6.02	3.95	1.92	0.92
285	6	6	0.00	9.33	9.33	0.75	0.75
286	38	37	2.63	8.05	6.76	1.30	1.01
287	4	4	0.00	5.75	5.75	0.81	0.81
288	12	11	8.33	8.08	6.64	0.80	0.64
289	35	33	5.71	8.74	7.30	0.96	0.83
290	444	406	8.56	7.46	4.85	1.66	0.80
291	34	32	5.88	5.62	4.78	0.89	0.78
292	13	12	7.69	6.62	5.08	0.98	0.70
293	46	43	6.52	8.00	5.16	1.74	0.70
294	2779	2609	6.12	6.40	4.72	1.43	0.98
295	898	822	8.46	5.84	4.22	1.43	0.80
296	446	420	5.83	6.24	4.22	1.18	
297	530	510	3.77	5.68	4.84		0.78
298	1069	985	7.86	5.14	3.51	1.07 1.41	0.87 0.86
299	241	225	6.64	6.90	4.35	1.74	0.99
300	258	238	7.75	10.93	5.21	5.05	0.91
301	688	635	7.70	6.52	4.43	1.43	0.91
302	6	6	0.00	9.17	9.17	1.22	
303	142	133	6.34	8.30	6.23	1.22	1.22
304	134	128	4.48	6.43	5.37	1.07	0.84
305	699	673	3.72	6.40	5.42	1.15	0.83 0.91
306	76	66	13.16	8.84	4.14	2.17	
307	48	42	12.50	6.60	4.00		0.76
308	46	45	2.17	6.22	5.36	1.28	0.80
30 <i>9</i>	59	56	5.08	8.95	6.79	1.14	0.76
310	346	318	8.09	7.28	4.98	1.36	0.85
311	446	419	6.05	6.93		1.63	0.31
312	117	106	5.05 9.40		5.31	1.35	0.85
312	149	138	7,38	7.79	5.19	1.26	0.78
313 314	149	138 137		8.79	6.43	1.19	0.85
314	82	72	8.05	4.31	2.78	1.47	0.88
313	06	16	12.20	7.77	4.64	1.28	0.84

TRIMMED AND UNTRIMMED DATA, 1988
FREQUENCY, LENGTH OF STAY AND COEFFICIENT OF VARIATION

DIAGNOSIS RELATED	UNTRIMMED FREQUENCY	TRIMMED FREQUENCY	PERCENT OF OBS.	UNTRIMMED LENGTH	TRIMMED LENGTH	UNTRIMMED CV	TRIMMED CV
GROUP			TRIMMED	OF STAY	OF STAY		
							4 63
316	648	603	6.94	8.15	5.80	1.40	0.87 0.65
317	7	7	0.00	5.14 7.94	5.14	0.65 1.09	0.85
318	286	271	5.24		6.39 3.99	1.35	0.96
319	301	279	7.31	5.76 8.17	5.54	1.53	0.90
320	765 1 <b>28</b> 0	710 1192	7.19 6.88	6.28	4.36	1.56	0.90
321 322	1290	1189	7.83	4.85	3.29	1.41	0.88
322 323	210	190	9.52	6.26	3.94	1.45	0.81
323 324	1514	1410	6.87	5.75	4.15	1.27	0.87
325	705	651	7.66	6.79	4.72	1.34	0.99
326	1200	1115	7.08	5.95	4.05	1.65	0.91
327	352	315	10.51	6.14	3.25	2.48	0.87
328	249	236	5.22	6.58	5.05	1.32	0.97
329	250	236	5.60	6.18	4.75	1.39	0.92
330	15	15	0.00	3.53	3.53	0.80	0.80
331	340	313	7.94	7.70	5.03	1.61	0.98
332	656	614	6.40	7.64	5.40	1.45	0.94
333	681	614	9.84	5.14	2.98	1.70	0.86
334	20	19	5.00	3.35	3.05	0.76	0.73
335	119	113	5.04	6.91	5.56	1.20	0.86
336	1300	1217	6.38	6.87	5.13	1.31	0.78
337	846	784	7.33	6.99	5.17	1.21	0.77
338	116	109	6.03	7.67	5.66	1.31	0.92
339	766	724	5.48	6.25	4.60	1.44	0.92
340	1810	1651	8.78	5.03	3.20	1.55	0.88
341	223	201	9.87	5.28	3.33	1.38	0.89
342	351	334	4.84	6.50	4.73	1.83	0.95
343	1288	1198	6.99	4.68	3.30	1.40	0.91
344	13	11	15.38	6.38	2.82	1.57	0.44
345	45	33	15.56	4.29	2.13	1.51	0.72
346	405	375	7.41	10.09	5.57	4.16	0.87
347	141	134	4.96	6.82	5.44	1.22	0.94 0.83
348	358	327	8.66	5.98	4.12	1.29	0.88
349	240	228	5.00	5.59	4.45 4.33	1.41 1.13	0.88
350	448	421 309	6.03 11.21	5.52 5.48	2.89	2.05	1.03
351 352	348 640	30 <i>3</i> 587	8.28	4.62	3.13	1.43	0.82
352 3 <b>53</b>	40	39	2.50	6.25	5.77	0.93	0.87
353 354	222	206	7.21	6.65	4.67	1.46	0.91
355	2809	2678	4.66	6.24	4.72	2.05	0.86
356	693	655	5.48	5.74	4.20	1.53	0.87
357	57	56	1.75	7.00	5.79	1.49	0.88
358	1257	1189	5.41	5.70	4.45	1.22	0.85
359	592	486	17.91	3.79	2.09	1.22	0.51
360	1276	1213	4.94	6.12	4.33	2.50	0.93
361	1168	1064	8.90	5.87	3.14	4.27	0.92
362	406	366	9.85	5.18	3.34	1.34	0.91
363	316	291	7.91	7.39	5.35	1.17	0.83
364	6248	5773	7.60	5.06	3.47	1.58	0.89
365	266	250	6.02	5.62	4.37	1.16	0.88
366	176	169	3.98	7.82	6.47	1.18	0.98
367	291	272	6.53	5.21	6.74	1.25	0.95

TRIMMED AND UNTRIMMED DATA, 1988
FREQUENCY, LENGTH OF STAY AND COEFFICIENT OF VARIATION

FREQUENCY, LENGTH OF STAY AND COEFFICIENT OF VARIATION							
DIAGNOSIS RELATED GROUP	UNTRIMMED Frequency	TRIMMED Frequency	PERCENT OF OBS. TRIMMED	untrimmed Length Of Stay	TRIMMED LENGTH OF STAY	untrimmed CV	TRIMMED CV
368	207	196	5.31	5.82	3.82	2.18	0.84
369	1427	1329	6.87	6.00	4.01	1.65	0.92
392	34	34	0.00	9.65	9.65	0.67	0.67
393	18	17	5.56	7.00	6.18	0.79	0.72
394	176	165	6.25	5.84	4.18	1.46	0.90
395	1515	1423	6.07	7.95	4.92	6.55	0.85
396	330	312	5.45	4.51	3.46	1.38	0.85
397	395	363	8.10	5.43	3.61	1.54	0.80
398	151	135	10.60	7.58	4.88	1.25	0.83
399	351	322	8.26	5.56	3.73	1.37	0.85
400	218	206	5.50	6.06	4.67	1.19	0.83
401	70	64	8.57	8.91	5.56	1.42	1.02
402	145	135	6.90	7.76	5.27	1.41	0.94
403	759	701	7.64	7.89	5.71	1.24	0.87
404	965	865	10.36	8.78	5.39	1.45	0.93
405	566	503	11.13	4.92	2.74	1.55	0.92 1.02
406	36	33	8.33	8.56	6.64	1.07	
407	30	27	10.00	15.97	4.85	3.21	0.86 0.95
408	150	137	8.67	7.32	4.76	1.40	0.93
409	377	350	7.16	8.16	6.07	1.22 2.73	0.99
410	3303	3074	6.93	8.22	5.29	1.28	1.00
411	36	34	5.56	5.00	3.79	1.73	0.95
412	168	159	5.36	6.45	4.51	1.73	0.33
413	115	109	5.22	8.15	6.31 4.47	1.36	0.85
414	74	68	8.11	6.05 8.39	6.09	1.54	0.86
415	107	102	4.67 7.21	6.73	5.05	1.18	0.90
416	222 132	206 126	4.55	4.40	3.45	1.37	0.75
417	132 408	374	8.33	7.68	4.82	2.26	0.87
418 419	408 71	68	4.23	6.94	5.87	0.97	0.75
420	105	101	3.81	4.69	4.03	0.98	0.79
421	429	383	10.72	5.66	3.63	1.42	0.76
422	1669	1529	8.39	4.86	2.97	2.15	0.82
423	366	341	6.83	6.09	4.40	1.51	0.88
424	25	23	8.00	5.64	4.00	1.20	0.90
425	352	325	7.67	5.77	4.10	1.24	0.83
426	582	554	4.81	7.54	5.86	1.35	0.88
427	40	39	2.50	4.77	4.28	0.89	0.69
428	168	159	5.36	7.45	6.04	1.06	0.85
429	328	315	3.96	6.26	4.99	1.36	0.95
430	531	501	5.65	8.10	5.88	1.62	0.85
431	199	184	7.54	4.19	2.93	1.25	0.77
432	53	51	3.77	7.74	5.20	2.21	1.04
433	66	60	9.09	6.17	4.02	1.29	0.80
434	281	272	3.20	6.16	5.14	1.24	0.93
435	394	369	6.35	6.85	5.15	1.25	0.86
439	3	2	33.33	1.33	1.00	0.43	0.00
440	304	271	10.86	5.09	3.03	1.54	0.79
441	66	59	10.61	5.18	3.08	1.47	0.80
442	65	60	7.69	9.66	5.98	1.50	0.86 0.86
443	304	273	10.20	6.87	4.10	1.86 1.79	0.85
444	235	215	8.51	6.78	4.17	1./7	0.07

TRIMMED AND UNTRIMMED DATA, 1988
FREDUENCY, LENGTH OF STAY AND COEFFICIENT OF VARIATION

DIAGNOSIS RELATED GROUP	UNTRUMMED Frequency	TRIMMED Frequency	PERCENT OF OBS. TRIMMED	untrimmed Length Of Stay	TRIMMED LENGTH OF STAY	untrimmed CV	TRIMMED CV
445	1113	1036	6.92	5.74	4.01	1.49	0.91
446	678	619	8.70	5.04	3.08	2.27	0.85
447	33	29	12.12	0.39	3.45	2.65	0.77
448	44	38	13.64	4.95	2.71	1.26	0.80
449	382	357	6.54	6.74	4.54	1.93	0.90
450	2046	1898	7.23	6.61	4.28	2.20	0.95
451	1607	1483	7.72	5.36	3.24	3.63	0.90
452	98	89	9.18	9.03	5.93	1.35	0.86
453	359	340	5.29	6.51	4.99	1.32	0.97
454	55	53	3.64	5.85	4.74	1.19	0.83
455	176	157	10.80	6.19	3.22	1.75	0.91
456	90	85	5.56	5.96	4.49	1.26	0.83
457	2	2	0.00	1.50	1.50	0.47	0.47
458	11	10	9.09	4.36	3.30	1.09	1.02
459	149	142	4.70	7.47	6.26	1.07	0.94
460	521	489	6.14	4.93	3.81	1.17	0.82
461	695	637	8.35	6.53	4.26	1.72	0.88
462	117	110	5.98	15.47	8.53	2.89	0.92
463	67	64	4.48	7.00	5.28	1.43	0.88
464	570	533	6.49	6.21	4.32	1.68	0.87
465	45	41	8.89	7.80	5.10	1.37	0.96
466	927	873	5.83	7.30	5.36	1.56	1.00
467	7269	6606	9.12	5.78	3.27	3.94	0.93
468	3486	3236	7.17	6.75	4.51	1.71	0.91
470	420	394	6.19	6.29	4.55	1.48	0.87
471	5	5	0.00	9.60	9.60	0.72	0.72

#### APPENDIX 7

APPENDIX 7: THE DRG COST FINDING PROCESS IN PILOT HOSPITALS

Figure A7.1 Definition of Initial and Final Cost Centres from the General Ledger

#### Hospital A

#### A. INITIAL COST CENTRES

SUPPORT SERVICES Administration Accounting Nursing Education Nursing Administration Data Processing Communication Photocopy Laundry Building Maintenance Energy Supplies Central Sterile Supply Staff Residence Staff Lounge Libraries Catering General Patient Related General Non-Patient Related

GENERAL SERVICES
Admissions
Medical Records
Patient Meals
Physicians
Medical Social Worker
Mortuary

CLINICAL SERVICES (Nursing)
Medical Female
Medical Male
Surgical Female
Surgical Male
Paediatric

CLINICAL SERVICES (Other Wages and Salaries)
Medical Female
Medical Male
Surgical Female
Surgical Male
Paediatric

#### Figure A7.1 Contd.

#### Hospital A

# A. INITIAL COST CENTRES CONTD.

CLINICAL SERVICES (Others)
Medical Female
Medical Male
Surgical Female
Surgical Male
Paediatric

ANCILLIARY SERVICES
Operating Theatre
Laboratory
Radiology
Pharmacy
ECG
Physiotherapy
Intensive Care Unit
Coronary Care Unit

NON-INPATIENT SERVICES Accident and Emergency

#### B. FINAL COST CENTRES

GENERAL SERVICES
Admissions
Medical Records
Patient Meals
Physicians
Medical Social Worker
Mortuary

GLINICAL SERVICES (Nursing)
Medical Female
Medical Male
Surgical Female
Surgical Male
Paediatric

CLINICAL SERVICES (Other Wages and Salaries)
Medical Female
Medical Male
Surgical Female
Surgical Male
Paediatric

# Figure A7.1 Contd.

# Hospital A

#### A. INITIAL COST CENTRES CONTD.

CLINICAL SERVICES (Others)
Medical Female
Medical Male
Surgical Female
Surgical Male
Paediatric

ANCILLIARY SERVICES
Operating Theatre
Laboratory
Radiology
Pharmacy
ECG
Physiotherapy
Intensive Care Unit
Coronary Care Unit

Figure A7.2: Statistics for the Allocation of Service Cost to Final Cost Centres

#### Hospital A

#### SUPPORT SERVICE

Administration Accounting Nursing Education Nursing Administration Data Processing Communication Photocopying Laundry Building Maintenance Energy Supplies Central Sterile Supply Staff Residence Staff Lounge Libraries Catering General Patient Related Bed-days
General Non-Patient Related Floor Area

#### ALLOCATION STATISTIC

Total Expense Total Expense Nursing Staff FTE* Nursing Staff FTE* Weighted Number of Screens Weighted Number of Phones Service Use Bed-Days Floor Area Floor Area Floor Area Non-Pay Expenses Service Use Staff FTE Staff FTE Staff FTE Staff FTE

*FTE: Full-time Equivalent

Figure A7.3: Inpatient Fractions for Final Cost Centres
Hospital C

# COST CENTRE

Kitchen	1.0
Laundry	1.0
Patient Rooms	3 0
Nursing	0.9
Physician	0.8
NCHD*	0.8
Laboratory	0.4
Radiology	0.2
Pharmacy	0.9
Accident and Emergency	0.0

*NCHD: Non-consultant Hospital Doctor

# Figure A7.4: Statistics for the Allocation of Final Cost Centre Cost to Patients in DRGs

# Hospital B

COST CENTRE	ALLOCATION STATISTIC
GENERAL SERVICES Admissions Medical Records Mortuary  Patient Meals	Number of admissions 1 + [LOS/7] Numbers of Patients Discharged Dead Diet-specific days
CLINICAL SERVICES Other Wages and Salaries	weighted.days
ANCILLARY SERVICES Operating Theatre	(or charge weight)x (number of patients)
Laboratory	(lab charge weight)x (number of patients)
Radiology	(radiology charge weight)x (number of patients)
Pharmacy	(drug charge weight)x (number of patients)
Therapy	(therapy charge weight)x (number of patients)
Intensive Care Unit	(ICU day weight)x (number of patients)

# APPENDIX 8

Appendix 8 : Average Cost (1984 and 1988) and Cost Weight By DRG for Pilot Hospitals (Ireland)

DRG	Ave.Cost 1984 £	Ave.Cost 1988* £	Cost Weight
004 SPINAL PROCS 006 CARPL TUNNEL RLS 007 OTH NRV PR A& CC 008 OTH NRV PR AA CC 009 SPINAL DIS&INJ 010 NRVS NEOPL A& CC 011 NRVS NEOPL AA CC 012 DEGENR NRVS DIS 013 MP SCLER&CRBL AT 014 SPEC CRBRVSC DIS 015 TRANS ISCHEM ATT 016 NONSP CBV DIS, CC 017 NONSP CBV DIS, CC 018 CRNL&PRPH A& CC 019 CRNL&PRPH AA CC 019 CRNL&PRPH AA CC 020 NRV INF VRL MNG 021 VIRAL MENINGITIS 022 HYPRTNS ENCPHLOP 023 NONTR STPR&COMA 024 SZR&HD ACH A& CC 025 SZR&HD ACH AA CC 025 SZR&HD ACH AA CC 026 SZR&HD ACH AA CC 027 TR ST, CMACH, ACH 030 TR ST, CMACH, ACH 031 CONCSN ACH 032 CONCSN ACH 033 CONCUSSION ACH 034 OTH NRV DIS, AA CC 035 OTH NRVS DIS, ACC 036 RETINAL PROC 037 ORBITAL PROC 037 ORBITAL PROC			Weight  4.626 .453 8.880 1.101 .968 2.920 .829 2.016 1.913 3.513 1.380 1.426 1.482 1.279 .633 1.791 1.177 .765 1.886 1.093 .569 .392 1.222 .639 .326 1.469 .456 .414 3.173 1.014 3.374 2.906 3.377
039 LENS PROCS 040 XTROC PR A>=18 041 XTROC PR A<18 042 INTROC PR,~R,I,L	1438.66	1737.90	2.250
	474.98	573.77	.743
	501.13	605.37	.784
	1865.89	2254.00	2.918
043 HYPHEMA 044 ACUT MJR EYE INF 045 NEUR EYE DISRDRS 046 OTH EYE DS,A>17C 047 OTH EYE DS,A>17	521.36	629.80	.815
	792.65	957.53	1.240
	509.50	615.48	.797
	728.36	879.86	1.139
	391.11	472.47	.612
048 OTH EYE DIS,A<18	375.84	454.01	.588
049 MJR HD&NECK PROC	5398.00	6520.78	8.443
050 SIALOADENECTOMY	764.19	923.14	1.195
051 SALV GLND PR~SIA	709.01	856.48	1.109
053 SNS&MAST PR A>17	840.38	1015.18	1.314
054 SNS&MAST PR A<18	628.32	759.01	.983

DRG	Ave.Cost 1984 £	Ave.Cost 1988* £	Cost Weight
DRG  055 MISC EAR,NS,THRT 056 RHINOPLASTY 057 T&A ~TNS,AD A>17 058 T&A ~TNS,AD A>17 058 T&A ~TNS,AD A>17 058 T&A ~TNS,AD A>17 060 TNSECT,ADCT A>17 060 TNSECT,ADCT A>18 061 MYRINGOTOMY A>17 062 MYRINGOTOMY A>17 062 MYRINGOTOMY A<18 063 OTH E,N,T OR PR, 064 ER,NS,THRT MALIG 065 DYSEQUILIBRIUM 066 EPISTAXIS 067 EPIGLOTTIITIS 068 OM&URI, A& CC 069 OM&URI, A\18 071 LARYNGOTRCHEITS 072 NSL TR & DEFORM 073 OTH E,N,T A>17 074 OTH E,N,T A>17 074 OTH E,N,T A>17 074 OTH E,N,T A<18 077 OR RSP,~MJRCH,~C 078 PULMNRY EMBOLISM 079 RSP INF&INFL A C 081 RSP INF&INFL A C 081 RSP INF&INFL A C 081 RSP INF&INFL A<18 082 RESP NEOPLASMS 083 MJR CHST TR A& C 084 MJR CHST TR A& C 085 PLRL EFFUSN A& C 086 PLRL EFFUSN A& C 086 PLRL EFFUSN A<70 087 PLM EDEMA&RSP FL 088 CHRN PULM OBSTR 089 SMPL PNEU&PL A C 090 SMPL PNEU&P A<70 091 SMPL PNEU&P A<70 091 SMPL PNEU&P A<70 091 SMPL PNEU&P A<18	1984	1988*	
093 INTRST LUNG A,C 094 PNEUMOTHRX A CC 095 PNEUMOTHRX A,CC 096 BRNCH&ASTH A CC 097 BRNCH&ASTH A<70 098 BRNCH&ASTH A<17	757.64	915.23	1.185
	1420.20	1715.61	2.221
	585.99	707.87	.916
	770.23	930.44	1.205
	484.55	585.34	.758
	256.75	310.15	.402
099 RESP SGN&SY A CC	506.74	612.15	.793
100 RSP SGN&SY A<70	584.01	705.48	.913
101 OTHR RSP DX A CC	869.55	1050.41	1.360
102 OTHR RSP DX A<70	601.29	726.36	.940
109 CRDTHR PR, PUMP	2088.06	2522.38	3.266
111 MJR RCNST VSC<70	3794.00	4583.15	5.934
112 MJR RCNST VSC~AC	1614.45	1950.26	2.525

DRG	Ave.Cost 1984 £	Ave.Cost 1988* £	Cost Weight
113 AMP CRC~UP LIMB 114 UP LIMB&TOE AMP 119 VEIN LGTN&STRPNG 120 OTHER CRC OR PR 121 CRC DIS,AMI&E,CC 122 CRC DIS,AMI&E,CC 123 CRC DIS,AMI,XPRD 126 ENDOCARDITIS 127 HRT FLR&SHOCK 128 DP VN THRMBPHLEB 129 CARDIAC ARREST 130 PRPHL VSC DIS,AC 131 PRPHL VSC DIS,AC 132 ATHRSCLROSIS,A C 133 ATHRSCLROSIS,A C 134 HYPERTENSION 135 CRDC CNG&VLV,A C 136 CRDC CNG&VLV,A C 137 CRDC CNG&VLV,A C 138 ARRHYTH&CNDC,A C 139 ARRHYTH&CNDC,A C 139 ARRHYTH&CNDC,A C 140 ANGINA PECTORIS 141 SYNCP&CLLPS,A CC 142 SYNCP&CLLPS,A CC 144 CHEST PAIN 144 OTH CIRC DX,CC 145 OTH CIRC DX,CC 146 RECTAL RSCTN,A C 147 RECTAL RSCTN,A C 148 MJR BOWEL PR,A C 149 MJR BOWEL PR,A C 150 PRTNL ADHESLS,AC 151 PRTNL ADHESLS,AC 151 PRTNL ADHESLS,AC 152 MNR BOWEL PR,A C 153 MNR BOWEL PR,A C 154 STM,ESO,DD PR,AC 155 STM,ESO,DD A<70 156 STM,ESO,DD A<18 157 ANAL PROCS A CC	1984	1988*	
158 ANAL PROCS ACC 159 HRNIA ING&FEM, AC 160 HRN ING&FEM, A 161 ING&FML HRN, ACC 162 ING&FML HRN, A 163 HERNIA PROC, A<18 164 APPNDC, CMP DX, AC 165 APPNDC, CMP DX AC	566.16 1415.85 678.43 1070.58 594.28 268.98 2102.67 1269.14	683.92 1710.35 819.54 1293.27 717.89 324.92 2540.02 1533.12	.885 2.214 1.061 1.674 .929 .421 3.289 1.985
166 APPNDC~CMP DX,AC	1323.42	1598.69	2.070

Appendix 8 : Average Cost (1984 and 1988) and Cost Weight By DRG for Pilot Hospitals (Ireland)

DRG	Ave.Cost 1984 £	Ave.Cost 1988* £	Cost Weight
167 APPNDC~CMP DX~AC 168 MOUTH PROCS,A CC 169 MOUTH PROCS^A CC 170 OTH DGSTV PR,A C 171 OTH DGSTV PR,A C 171 OTH DGSTV PR,A C 172 DGSTV MALIG,A CC 173 DGSTV MALIG,A CC 174 GI HMRRHG,A CC 175 GI HMRRHG"A CC 176 CMPL PEPTIC ULCR 177 UNCMP PTC LCR,AC 178 UNCMP PTC LCR,AC 179 INFLM BOWEL DIS 180 GI OBSTRCTN,A CC 181 GI OBSTRCTN,A CC 182 MSC DGSTV DIS,AC 183 MSC DIG DIS,A<70 184 MSC DIG DIS,A<70 184 MSC DIG DIS,A<70 185 DNTL DIS~XT,A>17 186 DNTL DIS~XT,A>17 186 DNTL DIS~XT,A<18 187 DNTL EXTR&RESTOR 188 OTH DGST DX,A<70 190 OTH DGST DX,A<70 190 OTH DGST DX,A<18 191 MJR PAN,LIV,SHNT 192 MIN PAN,LIV,SHNT 193 BLRY TR PR~CH,AC 194 BLRY TR PR~CH,AC 195 TOT CHLST,CDE~AC 196 TOT CHLST,CDE~AC 197 TOT CHLST,CDE~AC 198 TOT CHLST,CDE~AC 199 HPTOBL DX PR,MLG 200 HPTOBL DX PR,MLG 201 OTH HPTBL/PNC PR 202 CIRRH&ALC HPTTIS 203 HPTOBL DX PR~MLG 201 OTH LIVER DIS,AC 206 OTH LIVER DIS,AC 207 BLRY TR DIS,AC 208 BLRY TR DIS~A CC 208 MJR JOINT PROCS, 210 HIP&FMUR PR,A C,			Weight .954 2.185 .900 1.237 1.686 1.700 1.100 .983 .601 1.446 1.483 .962 .550 .411 .371 6.367 5.512 6.216 3.474 5.825 3.171 1.224 2.002 1.227 1.224 2.002 1.270 6.552 4.904
211 HIP&FMUR PR,A<70 212 HIP&FMUR PR,A<18 213 MUSCL&CN TIS AMP 215 BACK&NECK PR~A C	2972.88 2451.00 1825.69	3591.23 2960.81 2205.43	4.650 3.833 2.855

# APPENDIX 8

DRG	Ave.Cost 1984 £	Ave.Cost 1988* £	Cost Weight
216 MUSCL&CONN BIOPS 217 SKIN GRAFT HAND, 218 LWR XTRM PR,A CC 219 LWR XTRM PR,A<70 220 LWR XTRM PR,A<18 221 KNEE PROCS,A CC 222 KNEE PROCS A CC 223 UPR XTRM PR,A CC 224 UPR XTRM PR,A CC 225 FOOT PROCS 226 SOFT TISS PR,A C 227 SOFT TISS PR,A C 229 HAND PR GANGLION	2022.75	2443.48	3.164
	1548.77	1870.91	2.422
	3171.92	3831.68	4.961
	2053.46	2480.58	3.212
	876.50	1058.81	1.371
	2223.50	2685.99	3.478
	881.84	1065.26	1.379
	2047.80	2473.74	3.203
	979.66	1183.42	1.532
	1088.63	1315.06	1.703
	1296.04	1565.61	2.027
	660.14	797.45	1.032
	641.08	774.43	1.003
230 RMVL, HIP&FEM DEV 231 RMVL~HIP&FEM DEV 233 OTH MSCL&CONN, AC 234 OTH MSCL&CONN~AC 235 FRACTR OF FEMUR 236 FRAC OF HIP&PLVS 237 SPRN, STRN, DIS HP 238 OSTEOMYELITIS 239 PATH FR&MSCL MLG 240 CONN TISS DIS, AC 241 CONN TISS DIS~AC	872.65	1054.16	1.365
	650.90	786.28	1.018
	1962.52	2370.72	3.069
	1010.22	1220.35	1.580
	2104.84	2542.64	3.292
	1289.52	1557.74	2.017
	1295.95	1565.51	2.027
	1049.64	1267.96	1.642
	885.16	1069.27	1.384
	1460.66	1764.48	2.284
	681.18	822.86	1.065
242 SEPTIC ARTHRITIS 243 MED BACK PROBS 244 BONE DISEASE,A C 245 BONE DISEASE~A C 246 ARTHROPATHIES,NS 247 SGNS&SYMP,MSCLSK 248 TNDNTS,MYSTS,BRS 249 AFTERCORE,MSCLSK 250 FX,SPR ARM&FT,AC 251 FX,SPRN,DIS A<70	1425.46 533.71 991.57 412.25 485.31 345.45 394.47 251.28 425.77 337.76	1721.95 644.72 1197.82 498.00 586.25 417.31 476.52 303.55 514.33 408.01	2.229 .835 1.551 .645 .759 .540 .617 .393 .666
252 FX,SPRN,DIS A<18 253 OTH FX,SPR A CC 254 OTH FX,SPR A<70 255 OTH FX,SPR A<18 256 OTH DX,MSCL&CONN 257 TOT MAST MLG,A C 258 TOT MAST MLG,A C 259 SUB MAST MLG,A C 260 SUB MAST MLG,A C 261 BRST PR~MLG~BIOP 262 BRST BIOP&EXC~ML	194.01 639.33 426.62 347.96 374.60 1607.55 1338.22 915.76 453.90 873.05 364.19	234.37 772.31 515.35 420.34 452.52 1941.92 1616.57 1106.23 548.32 1054.64 439.94	.303 1.000 .667 .544 .586 2.514 2.093 1.432 .710 1.365
264 SKN GRFT,ULCR~CC	1144.00	1381.95	1.789
265 SKN GRFT~ULCR,CC	2772.50	3349.18	4.336
266 SKN GRFT~ULCR~CC	844.10	1019.67	1.320

DRG	Ave.Cost 1984 £	Ave.Cost 1988* £	Cost Weight
321 KID&UR INF,A<70 322 KID&UR INF,A<18 323 URNRY STONES,A C 324 URNRY STONES^A C 325 KID&UR S&&SY,A C 326 KID&UR S&&S,A<70 327 KID&UR S&S,A<18 328 URTHRL STRCT,A C 329 URTHRL STRCT,A<70 330 URTHRL STRCT,A<18 331 OTH KID&UR,A<70 332 OTH KID&UR,A<70 333 OTH KID&UR,A<70 334 MJR PELVIC PR,CC 335 MJR PELVIC PR,CC 335 MJR PELVIC PR,CC 336 TRNSUR PRSTCT,AC 337 TRNSUR PRSTCT,AC 337 TRNSUR PRSTCT,AC 338 TSTS PR,MLG 339 TSTS PR,MLG 339 TSTS PR,MLG 339 TSTS PR,MLG 339 TSTS PR,MLG 340 TSTS PR,MLG 341 PENIS PROCS 342 CIRCUMCSION,A>17 343 CIRCUMCSION,A>17 344 OTH MALE REP MLG 345 OTH MALE REP MLG 345 OTH MALE REP MLG 346 ML RPRO MLG,A CC 347 ML RPRO MLG,A CC 348 BNGN PRST HYP,AC 349 BNGN PRST HYP,AC 349 BNGN PRST HYP,AC 349 BNGN PRST HYP,AC 349 BNGN PRST HYP,AC 349 BNGN PRST HYP,AC 349 BNGN PRST HYP,AC 349 BNGN PRST HYP,AC 349 BNGN PRST HYP,AC 349 BNGN PRST HYP,AC 349 BNGN PRST HYP,AC 350 MALE REPRO INFLM 352 OTH ML REPRO DX 354 NON-RAD HYST,A C 355 NON-RAD HYST,A C 356 FEM RPR RCNST PR 357 UTRS&ADNEXA,MALG 358 UTRS&ADNEXA,MALG 358 UTRS&ADNEXA,MALG 358 UTRS&ADNEXA,MALG 359 VGNA,CRVX&VLV PR	£ 430.21 494.18 566.69 363.49 583.00 384.73 410.13 493.31 370.12 460.00 718.68 677.14 735.45 2942.55 2078.11 1557.53 1115.17 1021.00 609.00 435.37 1859.73 439.12 240.37 1892.00 779.00 988.41 647.40 622.56 393.54 448.72 336.84 1001.03 898.28 1757.40 838.54 459.75	£ 519.69 596.97 684.56 439.10 704.26 464.75 495.43 595.92 447.10 555.68 868.16 817.98 888.43 3554.60 2510.35 1881.49 1347.13 1233.37 735.68 525.59 2246.55 530.46 290.37 2285.54 941.03 1194.00 782.06 752.05 475.40 542.05 406.66 2597.00 1209.25 1085.12 2122.94 1012.95 555.38	.673 .773 .886 .569 .912 .602 .641 .772 .579 .719 1.124 1.059 1.150 4.602 3.250 2.436 1.744 1.597 .952 .687 .376 2.959 1.218 1.013 .616 .702 .527 3.3666 1.744 1.5527 3.3666 1.7449 1.311 .719
361 LAPSCPY&ENDSC, FE	258.38	312.12	.404
363 D&C,CON,R-I,MALG	418.45	505.48	.654
364 D&C,CONZTN~MALIG	178.04	215.07	.278
365 OTH FEM RPRO PR	1424.13	1720.34	2.227
366 FEM RPRO MLG,A C	1274.10	1539.12	1.993
367 FEM RPRO MLG^A C	714.40	863.00	1.117
368 FEM RPRO INFCTNS	468.48	565.92	.733
369 MNSTRL&OTH F RPR	259.55	313.54	.406
371 CESAREAN,~CC	658.00	794.86	1.029
372 VAG DEL, COMPL DX	1021.04	1233.42	1.597
373 VAG DEL COMPL DX	293.02	353.97	.458

DRG	Ave.Cost 1984 £	Ave.Cost 1988* £	Cost Weight
375 VAG DEL, OR PR 376 PSTPRTM DX OR PR 377 PSTPRTM DX, OR PR 378 ECTOPIC PRGNANCY 379 THRTNED ABORTION 380 ABORTION, D&C 381 ABORTION, D&C 382 FALSE LABOR 383 OTH ANTPRTM DX, C 384 OTH ANTP DX COMP 385 NEONTS, DIED XFRD 386 NEONTS, TRM IMMT 387 PREMTRTY, MJR PRB 388 PREMTRTY MJR PRB 389 FULL TRM NN, PRBS 390 NEON, OTH SIG PRB 391 NORMAL NEWBORNS 392 SPLENECTOMY, A>17 394 OTH OR PR, BLOOD 395 RED BLD CL, A>17 396 RED BLD CL, A<18 397 COAGULATION DSRD 398 RTCLEND&IMMN A C 399 RTCLEND&IMMN A C 400 LYMPH   LEUK, MJ, PR 401 LYMPH   LEUK, MN, AC 402 LYMPH   LEUK, MN, AC 403 LYMPH   LEUK, MN, AC 404 LYMPH   LEUK, A   CC 404 LYMPH   LEUK, A   CC 405 LYMPH   LEUK, A   CC 406 MYELO DISRDR&CC 407 MYELO DISRDR&CC 408 MYELO DISRDR&CC 409 MYELO DISRDRCP 411 OTH MYELO DIS AC 414 OTH MYELO DIS AC 415 OR PR, INF& PAR DS 416 SEPTICEMIA, A>17 417 SEPTICEMIA, A<18 418 PSTOP&PSTTR INFC	£  1262.00 438.53 220.44 1075.60 231.43 152.87 303.60 118.61 404.08 340.68 911.68 5375.00 3501.56 2274.00 941.64 594.18 233.91 5150.00 682.13 940.54 770.79 791.00 1399.60 505.26 3814.60 1562.09 3077.00 2302.53 958.22 1200.76 3291.00 1072.99 442.24 568.50 432.33 1030.87 691.42 2625.21 1913.21 1248.18 712.41	1524.50 529.74 266.29 1299.33 279.57 184.67 366.75 143.28 488.13 411.54 1101.30 6493.00 4229.88 2746.99 1137.50 717.77 282.57 6221.20 824.02 1136.17 931.11 955.52 1690.35 4608.04 1887.00 3717.02 2781.45 1157.53 1450.52 3975.53 1296.17 534.23 686.75 522.26 1245.29 835.23 3171.25 2311.16 1507.81 860.59	1.974 .686 .345 1.682 .239 .475 .186 .633 1.426 8.407 5.476 3.557 1.473 .929 .366 8.057 1.471 1.237 2.189 .790 5.966 2.443 4.812 3.601 1.499 1.878 5.147 1.678 .672 1.678 2.992 1.952 1.952
419 FEVER UNKNWN,A C 420 FEVER UNKN,A<70 421 VIRAL ILLNS,A>17 422 VRL ILL,FVR,A<18 423 OTH INF&PAR DIS	1160.98 503.09 436.33 292.08 1248.18 642.30	1402.46 607.74 527.08 352.84 1507.81 775.89	1.816 .787 .682 .457 1.952 1.005
424 OR PR,DX1=MENTAL 425 PSYCHOSOC DYSFNC	796.77	962.50	1.246

DRG	Ave.Cost 1984 £	Ave.Cost 1988* £	Cost Weight
426 DEPRSV NEUROSES 427 NEUROSES DEPRSV 428 PERS DIS&IMP CON 429 ORG DISTRB&M RET 430 PSYCHOSES 431 CHILDHD MNTL DIS 432 OTH DX=MNTL DSRD 434 DRUG DEPENDENCE 435 DRUG USE DEPNDNC 440 WOUND DEBRD, INJR 441 HAND PROC, INJURY 442 OTH OR PR, INJ, AC 443 OTH OR PR, INJ, AC 444 MLTPL TRAUMA, A C 445 MLTPL TRMA, A<70 446 MLTPL TRMA, A<18 447 ALLRGC READ, A>17 448 ALLRGC READ, A>17 448 ALLRGC READ, A<18 449 TOX EFF, DRG, A<70 451 TOX EFF, DRG, A<70 451 TOX EFF, DRG, A<70 452 TRTMT CMPL, A CC 453 TRTMT CMPL, A CC 454 OTH INJ, TXC, A C 455 OTH INJ, TXC, A C 456 OTH INJ, TXC, A C 457 OTH INJ, TXC, A C 458 ONN-EXT BRN, DBRD 460 NON-EXT BRN, OR P 461 OR PR, DX=OTH CTC 462 REHABILITATION 463 SIGNS&SYMPTMS, CC 464 SIGNS&SYMPTMS, CC 466 AFTRCR, DX2=MALIG 467 OTH HLTH FACTORS 468 UNRELATED OR PRO 469 INVALID DX1 470 UNGROUPABLE	715.23 1480.00 1448.54 1056.62 871.90 334.25 572.70 288.10 390.82 1319.41 833.51 4508.71 1356.72 543.58 387.91 354.92 1268.67 191.90 538.38 213.83 974.92 557.63 445.76 243.38 1710.02 699.30 1273.93 860.94 502.44 391.37 275.56 266.12 1790.02 365.04 462.37	863.99 1787.84 1749.83 1276.40 1053.77 691.82 348.02 472.11 1593.85 1006.88 5446.53 1638.92 656.65 468.60 428.74 1532.55 231.82 649.91 608.08 221.77 71.77 673.62 538.48 294.00 2065.70 844.75 1538.91 1040.01 606.95 472.77 3321.88 2162.34 440.96 558.54	1.119 2.315 2.266 1.653 1.364 .523 .896 .451 2.064 1.304 7.052 2.122 .850 .607 .555 1.984 .300 .841 .787 .334 1.525 .872 .697 .381 2.674 1.992 1.347 .786 .612 .416 2.800 .571 .723
			746.49

^{*} PANCE deflator used to specify 1984 costs at the 1988 level