

Uses of HIPE Data

HIPE data have a wide range of potential uses including:

- Measurement of hospital workload nationally
- Epidemiological studies requiring hospital activity statistics related to diseases/procedures
- Changes in practice patterns at clinical and hospital level
- Input to population health profiles at Health Region level
- Planning and service provision
- Estimation of the casemix adjustment for acute hospital budgets annually
- Quality assurance studies
- Market research

Clinical Coding - ICD-10-AM/ACHI/ACS Classification

- ICD-10-AM - The International Statistical Classification of Disease and related Health Problems, Tenth Revision, Australian Modification (Diagnoses)
- ACHI - Australian Classification of Health Interventions (Procedures)
- ACS - Australian Coding Standards

All patients discharged from the 1st January 2009 are coded using the ICD-10-AM/ACHI/ACS 6th Edition classification. 4th Edition was used for all discharges from 1st January 2005 - 31st December 2008. These classifications offer many advantages including:

- ◆ ICD-10-AM/ACHI/ACS is an internationally recognised integrated coding scheme for diagnoses and procedures.
- ◆ Regular updates are available, thus ensuring that clinical coding keeps pace with advances in clinical practice.
- ◆ Cross-national use facilitates international comparisons.
- ◆ Software support and training programmes for the education of coders and quality checks on the data are readily available

Other features of ICD-10-AM/ACHI/ACS include the facility to collect anaesthesia codes and details of pharmacotherapy treatments by mode of administration and agent delivered.

For further information on the classifications, coding, data quality and audit please email: hipe@esri.ie

Access to HIPE Data

For general information on the HIPE system:

Please visit www.esri.ie

Along with the information available in the Annual Hospital Activity Reports, national HIPE data are available from the following:

For information or reports on local hospital data:

Please send your request in writing to the *HIPE Office* in your hospital

The **Online Data Reporter** provides aggregated HIPE discharge data for the years 2000-2009. A user can generate a report for each year on diagnoses or procedures selected from a specified list. Further selection criteria include age, sex and health board/health region of residence. See www.esri.ie/health_information/hipe_data_reporter/

For information or reports on national HIPE statistics:

Please complete the online request form at www.hipe.ie/request

All responses to requests will respect patient, doctor and hospital confidentiality.

Please refer to the *Information Note on Requesting HIPE Data* at www.esri.ie/health_information for further information.

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HIPE

H IPE stands for Hospital In-Patient Enquiry system. This system is the principal source of national data on discharges from acute hospitals in Ireland. The Health Research and Information Division at the Economic and Social Research Institute is responsible for overseeing the collection, coding, input, quality, processing and reporting of data from participating hospitals.

Each HIPE record represents one episode of care. Patients admitted to hospital(s) more than once with the same or different diagnosis have a HIPE record for each hospital stay. The HIPE system therefore facilitates analyses of hospital activity rather than incidence or prevalence of disease.

Data Collection and Reporting

Hospitals participating in HIPE are provided with specialised computer software (HIPE Portal). This ensures standardisation of the data collected by hospitals. The software is designed for both data entry and reporting, and facilitates further processing with other software packages while ensuring data quality through validation checks.



Data Quality & Audit

HIPE data are reviewed at each stage of the collection process to ensure high quality. Edit checks integrated within W-HIPE help validate data at point of entry. Subsequent data reviews at hospital and ESRI level are carried out including regular audit and data review. The HIPE Coding Audit Toolkit (HCAT) is software developed and maintained by the ESRI for use at local and national level to support data quality initiatives. Ongoing training is provided to all coders on all aspects of HIPE.



What kind of data are collected?

The data collected by the HIPE system can be logically grouped into administrative, clinical and demographic data.

Administrative Data

- ◆ Patient name (retained within hospital)
- ◆ Hospital number
- ◆ Case reference number
- ◆ Dates of admission and discharge
- ◆ All procedures
- ◆ Day case indicator
- ◆ Admission type
- ◆ Admission source
- ◆ Discharge status
- ◆ Discharge destination
- ◆ General Medical Service status (i.e. Medical Card)
- ◆ Admitting Consultant and Discharge Consultant (encrypted by hospital)
- ◆ Intensive Care Days (ITU/CCU/HDU/PICU)
- ◆ Public/Private/Semi-Private Care Days
- ◆ Identification of NTPF admissions
- ◆ Identification of MAU admissions
- ◆ Ward Identification
- ◆ Parity
- ◆ Health Insurer

Clinical Data

- ◆ Principal diagnosis and up to **29** secondary (additional) diagnoses
- ◆ Principal procedure (when performed) and up to **19** secondary (additional) procedures
- ◆ Hospital Acquired Diagnosis

Demographic Data

- ◆ Age
- ◆ Sex
- ◆ Marital status
- ◆ Area of residence by county or country

Reference Publications

- **Activity in Acute Public Hospitals in Ireland, 2010 2009, 2008, 2007, 2006, 2005, 2004, 2003, 2002** Annual Reports
- **Activity in Acute Public Hospitals in Ireland, 1992-2001**
- **Activity in Acute Public Hospitals in Ireland, 1990-1999**
- **Updating Clinical Coding in Ireland: Options and Opportunities** (August 2004), D. Murphy, M.M Wiley, A. Clifton and D. McDonagh
- **Coding Notes** is the quarterly bulletin distributed to all coders nationally. It contains important updates on HIPE software, coding queries, coding practice and any other relevant information including the scheduling of training courses.
- **HIPE Data Dictionary**
This document provides definitions and codes for data collected within HIPE. It provides standard definitions with the objective of ensuring that consistency and data quality are maintained by HIPE Coders across all hospitals participating in HIPE. It is also of use to researchers, clinicians and hospital management in understanding and analysing HIPE data.
- The **Irish Coding Standards** are used in HIPE in conjunction with ICD-10-AM/ACHI/ACS and are applicable to all activity coded in HIPE in Ireland. Irish Coding Standards (ICS) are effective from the date first published unless otherwise stated. The intention is to provide clarity and standardization as necessary. This document will be used in conjunction with the source document (chart), the ICD-10-AM/ACHI/ACS 6th Edition, Coding Notes and all instruction materials distributed by the HIPE Unit at the ESRI. ICS include advice published in Coding Notes.