Activity in Acute Public Hospitals in Ireland

2020 ANNUAL REPORT

Healthcare Pricing Office November 2021





ISBN: 978-1-78602-187-8

METADATA

Title

Activity in Acute Public Hospitals in Ireland Annual Report, 2020

Creator

Healthcare Pricing Office (HPO), Health Service Executive (HSE)

Subject

Key words – free text: Hospital discharge activity, acute hospital, public hospital

Summary Description

This is a report on in-patient and day patient discharges from acute public hospitals participating in the Hospital In-Patient Enquiry (HIPE) scheme in 2020. Discharge activity is examined by patient type, admission type, hospital group, and by demographic parameters (such as age and sex). Particular issues of relevance to the Irish health care system covered in the report relate to the composition of discharges by medical card and public/private status. Discharges are also analysed by diagnoses, procedures, major diagnostic categories, and diagnosis related groups. The analysis is presented at the national level.

Publisher

Health Service Executive

Contributors

Healthcare Pricing Office, Health Service Executive

Date

First published November 2021

Type

Report

Identifier

978-1-78602-187-8

Citation

Healthcare Pricing Office (2021) Activity in Acute Public Hospitals in Ireland Annual Report, 2020. Dublin. Health Service Executive.

Language

en - English

Coverage

National

Rights

Downloadable from www.hpo.ie

Version

1.0 (November 2021) HIPE_2020_ASOF_0421_V17_CLOSE

Please note that there is the potential for minor revisions to the data set analysed in this report. Please check online at www.hpo.ie for information on updates.

ACKNOWLEDGEMENTS

The production of this annual report requires commitment and hard work from many individuals. Responsibility for collecting, coding, inputting, and validating data for the Hospital In-Patient Enquiry (HIPE) scheme rests with colleagues in acute public hospitals throughout Ireland. Ensuring the continued operation of the HIPE scheme requires willing contributions from clinicians, clinical coders, HIPE managers, medical records staff, IT personnel, and administrative departments, together with hospital managers and hospital group personnel. We are greatly indebted to these individuals for their support and efforts.

The HIPE team within the Healthcare Pricing Office (HPO) oversees a wide range of tasks related to the management of this system, including software development and support, personnel training, data quality and audit, data management and analysis, and information dissemination. We acknowledge gratefully the dedication, skill and expertise that all the members of this team bring to their work on this scheme.

We would like to thank, specifically, Fiachra Bane (HPO), Lorna Collins (HPO), Jacqui Curley (HPO), Jonathan Dunne (HPO), Paul Linn (HPO), Brian McCarthy (HPO), and Deirdre Murphy (HPO) for reviewing and commenting on earlier drafts of this report and the HIPE Software Development team for their technical assistance.

Inevitably, a number of individuals have to carry most of the responsibility for producing a report of this type. In this case, Karen Kearns, Laura Metcalfe, Sinead O'Hara and Rory O'Reilly were to the fore in the preparation of the report for publication. We wish to express our sincere thanks to these colleagues for all of their hard work on the report. Their commitment, enthusiasm, and professionalism are gratefully acknowledged and sincerely appreciated.

Table of Contents

| LIST OF TABLES | ii |
|---|------------|
| LIST OF FIGURES | iv |
| EXECUTIVE SUMMARY | v |
| | |
| SECTION ONE | |
| Overview | 1 |
| 1.1 Introduction | 3 |
| 1.2 Background | 3 |
| 1.3 COVID-19 | 4 |
| 1.4 Data Sources for Annual Report 2020 | |
| 1.5 Structure of Annual Report 2020 | 5 |
| 1.6 Scope of HIPE Data | |
| 1.7 Methods and Definitions | 8 |
| 1.8 Discharges Reported to HIPE, 2016 – 2020 | 10 |
| SECTION TWO | |
| Discharge Overview 2020 | 15 |
| 2.1 Introduction | 17 |
| 2.2 Who | 18 |
| 2.3 Where | 32 |
| 2.4 When | 41 |
| SECTION THREE | |
| Morbidity Analysis 2020 | 47 |
| 3.1 Introduction | 49 |
| 3.2 Coding of Diagnoses and Procedures | |
| 3.3 Morbidity Analysis: Summary of Day Patient and In-Patient Activity | |
| 3.4 Morbidity Analysis: Total Discharge Activity | 66 |
| SECTION FOUR | |
| Case Mix Analysis 2020 | 87 |
| 4.1 Introduction | 89 |
| 4.2 Overview | 89 |
| 4.3 Analysis of HIPE Data by Case Mix | 92 |
| ANNEX | 121 |
| Analysis of Covid-19 Admissions | 123 |
| GLOSSARY AND ABBREVIATIONS | 137 |
| ADDENDICES | 145 |
| Appendix I: HIPE Hospitals | |
| Appendix I: HIPE HospitalsAppendix II: HIPE Data Collected | 147 149 |
| Appendix III: HIPE Data Entry Form | 149 151 |
| Appandix IV. Dariyad Variables | 151 152 |
| Appendix V: Australian Coding Standard 0042 | 152 153 |
| Appendix VI: Further Information on HIPE Scheme | 155 155 |
| Appendix VII: Overview of Changes from 8th Edition to 10th Edition ICD-10-AM/ACHI/ACS | 156 |
| Appendix VIII: Overview of Changes between Version 6.0 and Version 8.0 of the AR-DRG Classification | |
| System | 161 |

List of Tables

| TABLE 1.1 | Acute Public Hospital Discharges in HIPE (N,%), 2016 – 2020 | 11 |
|------------|--|-----------|
| TABLE 2.1a | Total Discharges: Patient Type by Age Group (N, %, Bed Days, %, and In-Patient Length of Stay) | 19 |
| TABLE 2.1b | Total Male Discharges: Patient Type by Age Group (N, %, Bed Days, % and In-Patient Length of Stay) | 22 |
| TABLE 2.1c | Female Discharges (excl. Maternity): Patient Type by Age Group (N, %, Bed Days, % and In-Patient Length Stay) | of 23 |
| TABLE 2.1d | Female Discharges (Maternity): Patient Type by Age Group (N, %, Bed Days, % and In-Patient Length Stay) | |
| TABLE 2.2 | Total Discharges: Patient Type by Marital/Civil Status (N, %, and In-Patient Length of Stay) | 26 |
| TABLE 2.3 | Total Discharges: Public/Private Status by Patient Type and Age Group (N, Row %, In-Patient Length Stay) | |
| TABLE 2.4 | Total Discharges: GMS Status by Age Group (N, %) | 30 |
| TABLE 2.5 | Total Discharges: Hospital Group by Patient Type (N, %, Bed Days, %, and In-Patient Length of Stay) | 32 |
| TABLE 2.6 | Total Discharges: Hospital Group by Patient Type and Admission Type (N, %, Bed Days, %) | 34 |
| TABLE 2.7 | Total Discharges: Hospital Group by Public/Private Status and Patient Type (N, % and In-Patient Length Stay) | of 37 |
| TABLE 2.8 | Total Discharges: Admission Source by Patient Type and Admission Type (N, %) | 38 |
| TABLE 2.9 | Total Discharges: Discharge Destination by Patient Type and Admission Type (N, %) | 39 |
| TABLE 2.10 | Total Discharges: Patient Type and Admission Type by Day of Admission (N, % and In-Patient Length Stay) | of 42 |
| TABLE 2.11 | Total Discharges: Patient Type and Admission Type by Day of Discharge (N, % and In-Patient Length Stay) | of 43 |
| TABLE 3.1 | ICD-10-AM Diagnosis Codes, Chapter and Title | 51 |
| TABLE 3.2 | Australian Classification of Health Interventions (ACHI), Chapter and Title | 52 |
| TABLE 3.3 | Total Discharges: Mean Number of All-Listed Diagnoses by Patient Type, Sex and Age Group | 53 |
| TABLE 3.4 | Total Discharges: Number and Percentage of Discharges with a Principal Procedure by Patient Type a Admission Type | and 55 |
| TABLE 3.5 | Total Discharges: Mean Number of All-Listed Procedures by Patient Type, Sex and Age Group | 55 |
| TABLE 3.6 | Day Patient Activity (N, %) | 57 |
| TABLE 3.7 | In-Patient Activity (N, %, Mean and Median Length of Stay) | 59 |
| TABLE 3.8 | Elective In-Patient Activity (N, %, Mean and Median Length of Stay) | 61 |
| TABLE 3.9 | Emergency In-Patient Activity (N, %, Mean and Median Length of Stay) | 63 |
| TABLE 3.10 | Maternity In-Patient Activity (N, %, Mean and Median Length of Stay) | 65 |
| TABLE 3.11 | Total Discharges: Principal Diagnosis by Sex and Age Group (N) | 68 |
| TABLE 3.12 | In-Patient Discharges: Mean and Median Length of Stay (Days) by Principal Diagnosis, Sex and Age Group | |
| TABLE 3.13 | Total Discharges: All-Listed Diagnoses by Sex and Age Group (N) | 74 |
| TABLE 3.14 | Total Discharges: Principal Procedure by Sex and Age Group (N) | 79 |
| TABLE 3.15 | In-Patient Discharges: Mean and Median Length of Stay (Days) by Principal Procedure, Sex and A Group | 81 |
| TABLE 3.16 | Total Discharges: All-Listed Procedures by Sex and Age Group (N) | 84 |
| TABLE 4.1 | Total Discharges: AR-DRG Complexity Split by Patient Type (N, %) | 91 |
| TABLE 4.2 | Total Discharges: MDC by Patient Type (N, %) | 94 |
| TABLE 4.3 | Total Discharges: MDC 1 Diseases and Disorders of the Nervous System: AR-DRG Version 8.0 by Patient Type (N, In-Patient Length of Stay) | 97 |
| TABLE 4.4 | Total Discharges: MDC 2 Diseases and Disorders of the Eye: AR-DRG Version 8.0 by Patient Type (N, In-Patient Length of Stay) | 98 |
| TABLE 4.5 | Total Discharges: MDC 3 Diseases and Disorders of the Ear, Nose, Mouth and Throat: AR-DRG Version 82 Patient Type (N, In-Patient Length of Stay) | by 99 |
| TABLE 4.6 | Total Discharges: MDC 4 Diseases and Disorders of the Respiratory System: AR-DRG Version 8.0 by Patie | |
| TABLE 4.7 | Total Discharges: MDC 5 Diseases and Disorders of the Circulatory System: AR-DRG Version 8.0 by Pati | |
| TABLE 4.8 | Total Discharges: MDC 6 Diseases and Disorders of the Digestive System: AR-DRG Version 8.0 by Pati | |
| TABLE 4.9 | Total Discharges: MDC 7 Diseases and Disorders of the Hepatobiliary System and Pancreas: AR-DRG | .03 |
| | | L04 |
| TABLE 4.10 | Total Discharges: MDC 8 Diseases and Disorders of the Musculoskeletal System and Connective Tissue: | |
| | | L05 |

| TABLE 4.11 | Total Discharges: MDC 9 Diseases and Disorders of the Skin, Subcutaneous Tissue and Breast: | |
|-------------------|---|-----|
| | AR-DRG Version 8.0 by Patient Type (N, In-Patient Length of Stay) | 107 |
| TABLE 4.12 | Total Discharges: MDC 10 Endocrine, Nutritional and Metabolic Diseases and Disorders: AR-DRG Versio | n |
| | 8.0 by Patient Type (N, In-Patient Length of Stay) | 108 |
| TABLE 4.13 | Total Discharges: MDC 11 Diseases and Disorders of the Kidney and Urinary Tract: AR-DRG Version | |
| | 8.0 by Patient Type (N, In-Patient Length of Stay) | 109 |
| TABLE 4.14 | Total Discharges: MDC 12 Diseases and Disorders of the Male Reproductive System: AR-DRG Version 8. | 0 |
| | by Patient Type (N, In-Patient Length of Stay) | 110 |
| TABLE 4.15 | Total Discharges: MDC 13 Diseases and Disorders of the Female Reproductive System: AR-DRG Version | |
| | 8.0 by Patient Type (N, In-Patient Length of Stay) | 111 |
| TABLE 4.16 | Total Discharges: MDC 14 Pregnancy, Childbirth and the Puerperium: AR-DRG Version 8.0 by Patient Ty | pe |
| | (N, In-Patient Length of Stay) | 112 |
| TABLE 4.17 | Total Discharges: MDC 15 Newborns and Other Neonates: AR-DRG Version 8.0 by Patient Type | |
| | (N, In-Patient Length of Stay) | 113 |
| TABLE 4.18 | Total Discharges: MDC 16 Diseases and Disorders of Blood, Blood Forming Organs, | |
| | Immunological Disorders: AR-DRG Version 8.0 by Patient Type (N, In-Patient Length of Stay) | 114 |
| TABLE 4.19 | Total Discharges: MDC 17 Neoplastic Disorders (Haematological and Solid Neoplasms): AR-DRG Versio | |
| | by Patient Type (N, In-Patient Length of Stay) | 114 |
| TABLE 4.20 | Total Discharges: MDC 18 Infectious and Parasitic Diseases, Systemic or Unspecified Sites: AR-DRG | |
| | Version 8.0 by Patient Type (N, In-Patient Length of Stay) | 115 |
| TABLE 4.21 | Total Discharges: MDC 19 Mental Diseases and Disorders: AR-DRG Version 8.0 by Patient Type (N, | |
| | In-Patient Length of Stay) | 116 |
| TABLE 4.22 | Total Discharges: MDC 20 Alcohol/Drug Use and Alcohol/Drug Induced Organic Mental Disorders: | |
| | AR-DRG Version 8.0 by Patient Type (N, In-Patient Length of Stay) | 116 |
| TABLE 4.23 | Total Discharges: MDC 21 Injuries, Poisonings and Toxic Effects of Drugs: AR-DRG Version 8.0 by | |
| | Patient Type (N, In-Patient Length of Stay) | 117 |
| TABLE 4.24 | Total Discharges: MDC 22 Burns: AR-DRG Version 8.0 by Patient Type (N, In-Patient Length of Stay) | 118 |
| TABLE 4.25 | Total Discharges: MDC 23 Factors Influencing Health Status and Other Contacts with Health Services: | |
| | AR-DRG Version 8.0 by Patient Type (N, In-Patient Length of Stay) | 118 |
| TABLE 4.26 | Total Discharges: Unassignable to MDC: AR-DRG Version 8.0 by Patient Type (N, In-Patient Length | |
| | of Stay) | 119 |
| TABLE 4.27 | Total Discharges: Pre-MDC: AR-DRG Version 8.0 by Patient Type (N, In-Patient Length of Stay) | 119 |

List of Figures

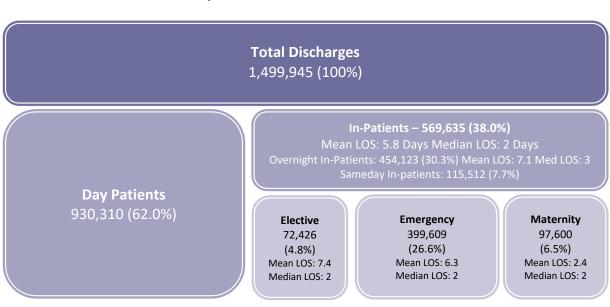
| FIGURE 1.1 | Total Discharges by Patient Type and Admission Type (N), 2016 – 2020 | 13 |
|-------------|---|-------------------|
| FIGURE 1.2 | Total Discharges by Age Group (N), 2016 – 2020 | 13 |
| FIGURE 2.1 | Overnight In-Patients: Discharges and Mean Length of Stay (Days) by Age group | 20 |
| FIGURE 2.2 | Overnight In-Patients: Mean Length of Stay (Days) by Age Group and Sex: Males, Females (excl. Females (Maternity) | Maternity), 24 |
| FIGURE 2.3 | Total Discharges: Sex by Age Group (Discharge Rate per 1,000 Population) | 25 |
| FIGURE 2.4 | Total Discharges: Marital/Civil Status by Admission Type (%) | 27 |
| FIGURE 2.5 | Total Discharges: Public/Private Status by Age Group (%) | 29 |
| FIGURE 2.6 | Overnight In-Patients: Mean Length of Stay (Days) by Age Group and Public/Private Status | 29 |
| FIGURE 2.7 | Total Discharges: GMS Status by Age Group (%) | 31 |
| FIGURE 2.8 | Overnight In-patients: Discharges (N) and Mean Length of Stay (Days) by Hospital Group | 33 |
| FIGURE 2.9 | Total Discharges: Hospital Group by Admission Type (%) | 35 |
| FIGURE 2.10 | In-Patient Discharges: Discharge Destination by Admission Source (%) | 40 |
| FIGURE 2.11 | Total Discharges: Patient Type and Admission Type by Day of Admission (%) | 42 |
| FIGURE 2.12 | Total Discharges: Patient Type and Admission Type by Day of Discharge (%) | 44 |
| FIGURE 2.13 | Total Discharges: Month of Discharge by Patient Type and Admission Type (N) | 45 |
| FIGURE 4.1 | Steps in AR-DRG Assignment | 90 |
| FIGURE 4.2 | Total Discharges: Major Diagnostic Category (MDC) (%) | 95 |
| FIGURE 4.3 | Total Discharges: Major Diagnostic Category (MDC) by Patient Type (%) | 96 |
| | | |

EXECUTIVE SUMMARY

The Hospital In-Patient Enquiry (HIPE) scheme, established in 1971, is a health information system designed to collect clinical and administrative data on discharges from, and deaths in, acute public hospitals in Ireland. Since the 1st of January 2014, the Healthcare Pricing Office (HPO) has overseen the administration and management of this scheme. The HPO is responsible for overseeing all functions associated with the operation of this database, including the development and support of the data collection and reporting software, training of coders and data quality, audit, reporting, and responding to requests for information.

The aim of this report is to present an overview of discharge activity in acute public hospitals in Ireland in 2020. From the first quarter of 2020, Coronavirus disease 2019 (COVID-19) affected the ability of hospitals to perform their usual levels of activity. Therefore, any comparisons with earlier years needs to take this into account.

TOTAL DISCHARGES, 2020



Discharge Overview

- Almost 1.5 million discharges were reported by participating hospitals in 2020, a decrease of 15.3 per cent over the period 2019–2020.
- Day patients accounted for 62.0 per cent of total discharges, a decrease of 17.0 per cent since 2019.
- In-patients accounted for 38.0 per cent of total discharges, a decrease of 12.4 per cent since 2019 and a decrease of 11.5 per cent from 2016–2020.

• Over the period 2016–2020, the number of elective in-patient discharges decreased by 24.5 per cent, maternity in-patients decreased by 15.5 per cent, while emergency in-patients decreased by 7.6 per cent.

Length of Stay

- In-patient average length of stay was 5.8 days in 2020, a slight increase on previous years in-patient average length of stay of 5.7 days over the period 2016–2019.
- Over the period 2016–2020, the average length of stay remained relatively constant for emergency in-patients at 6.3 days. The average length of stay increased for elective in-patients from 6.9 days to 7.4 days, and decreased for maternity in-patients from 2.7 days to 2.4 days over the same period.

Sex

- Similar to previous years, females accounted for 52.4 per cent of total discharges with males accounting for 47.6 per cent.
- Excluding maternity discharges, females accounted for 48.3 per cent of discharges with males accounting for 51.7 per cent.

Age

- Discharges aged 65 years and over accounted for 39.1 per cent of total discharges, representing a decrease of 13.9 per cent since 2019 and a decrease of 5.0 per cent since 2016.
- Discharges aged 65 years and over accounted for 55.9 per cent of total inpatient bed days, a decrease of 11.9 per cent since 2019 and a decrease of 5.8 per cent since 2016.

Public/Private Status

- Over 87 per cent of total discharges were treated on a public basis. Private patients accounted for 13.7 per cent of total discharges.
- The 25–34 years age group had the largest proportion of total discharges treated publicly (90.5 per cent) with only 9.5 per cent treated on a private basis.

Hospital Group

- The largest proportion of total discharges were hospitalised in the Ireland East Hospital Group (19.5 per cent).
- Total in-patient discharges were highest in the Ireland East Hospital Group where 21.2 per cent of discharges were hospitalised, while the Dublin Midlands Hospital Group accounted for the highest proportion of day patients (21.7 per cent).

• The majority of total discharges were admitted from home (96.4 per cent).

Discharge Destination

- The majority of total discharges were discharged home (94.8 per cent).
- Of total emergency in-patients, 5.4 per cent were transferred to long stay accommodation, and 6.1 per cent were transferred to another hospital.

Day of Admission

 Almost 60 per cent of elective in-patients were admitted between Monday and Wednesday, with only 7.0 per cent admitted at the weekend.

Day of Discharge

 The proportion of elective in-patients discharged increased throughout the week, from 11.6 per cent on Monday to 22.1 per cent on Friday, falling to 10.1 per cent on Saturday and 4.8 per cent on Sunday.

Month of Discharge

• Emergency in-patient hospital discharges peaked in January (37,996 discharges), while the smallest number of emergency in-patients were discharged in April with 25,423 discharges.

MORBIDITY ANALYSIS

Day Patients

- Day patients with a principal diagnosis of Other medical care (includes Chemotherapy and Radiotherapy encounters) and those with a principal diagnosis of Care involving dialysis accounted for 22.5 and 19.3 per cent of day patient discharges respectively.
- At least one procedure was recorded for 92.0 per cent of day patient discharges.
- The highest principal procedure block reported was Haemodialysis, accounting for 21.0 per cent of day patients with at least one procedure recorded.

In-Patients

- The highest principal diagnosis reported for in-patient discharges was *Single* spontaneous delivery which accounted for 4.4 per cent of in-patients.
- At least one procedure was recorded for 59.4 per cent of in-patient discharges.
- The highest principal procedure block reported was Generalised allied health interventions which accounted for 30.6 per cent of in-patient discharges with at least one procedure recorded.¹

Elective In-Patients

- Elective in-patients with a principal diagnosis of *Coxarthrosis [arthrosis of hip]* accounted for 3.4 per cent of elective in-patient discharges.
- At least one procedure was recorded for 89.2 per cent of elective in-patient discharges.
- The highest principal procedure block reported for elective in-patients was
 Generalised allied health interventions, accounting for 13.3 per cent of
 elective in-patients who had at least one procedure reported.

Emergency In-Patients

The highest principal diagnosis reported for emergency in-patients was Pain
in throat and chest, accounting for 4.4 per cent of emergency in-patient
discharges.

This block includes interventions such as physiotherapy, pharmacy, dietetics, occupational therapy, speech pathology, social work and diabetes education. Together, these six interventions accounted for 97.5 per cent of cases within this procedure block.

- At least one procedure was recorded for 52.6 per cent of emergency inpatient discharges.
- The highest principal procedure block reported for emergency in-patients was Generalised allied health interventions, accounting for 44.1 per cent of emergency in-patient discharges who had at least one procedure reported.

Maternity In-Patients – by Delivery Status²

- Delivery discharges with a principal diagnosis of *Single spontaneous delivery* accounted for 45.7 per cent of delivery in-patient discharges.
- For delivery discharges who had a procedure reported, 45.6 per cent reported the principal procedure block *Spontaneous vertex delivery*.
- Non-delivery discharges with a principal diagnosis of Other maternal diseases classifiable elsewhere but complicating pregnancy; childbirth and the puerperium accounted for 25.2 per cent of non-delivery in-patient discharges.
- For non-delivery discharges who had a procedure reported, 28.1 per cent reported the principal procedure block *Curettage and evacuation of uterus*.

Delivery discharges include discharges with a diagnosis of *Outcome of delivery* (ICD-10-AM: Z37). Non-delivery discharges are maternity discharges where admission was related to their obstetrical experience but they did not deliver during that episode of care.

CASE MIX ANALYSIS

The case mix classification presents analysis of patients who undergo similar treatment processes and incur similar levels of resource use.³

- The MDC with the largest proportion of day patients reported was *Neoplastic disorders* (haematological and solid neoplasms) (MDC 17), which accounted for 239,995 discharges or 25.8 per cent of day patients.
 - * Chemotherapy (AR-DRG R63Z) accounted for 45.3 per cent of day patients within this MDC, and 11.7 per cent of total day patients; Other Neoplastic Disorders, Minor Complexity (AR-DRG R62C) accounted for 39.1 per cent of day patients within this MDC and 10.1 per cent of total day patients.
- The MDC with the largest proportion of in-patient discharges was Pregnancy, Childbirth and the Puerperium (MDC 14), which accounted for 17.0 per cent of in-patients.
 - * Vaginal Delivery (AR-DRGs O60A, O60B and O60C) accounted for 36.0 per cent of in-patients within this MDC and 6.1 per cent of total in-patient discharges.
 - * Antenatal and Other Obstetric Admission (AR-DRGs O66A and O66B) accounted for 34.2 per cent of in-patients within this MDC and 5.8 per cent of total in-patient discharges.

In 2015, the AR-DRG classification was updated from AR-DRG Version 6.0 to AR-DRG Version 8.0. See Appendix VIII for an overview of changes between Version 6.0 and Version 8.0 of the AR-DRG Classification System.

Overview SECTION

One

Table of Contents

| 1.1 | Introduction | 3 |
|-----|--|----|
| 1.2 | Background | 3 |
| 1.3 | COVID-19 | 4 |
| 1.4 | Data Sources for Annual Report 2020 | 5 |
| 1.5 | Structure of Annual Report 2020 | 5 |
| 1.6 | Scope of HIPE Data | 7 |
| 1.7 | Methods and Definitions | 8 |
| 1.8 | Discharges Reported to HIPE, 2016-2020 | 10 |

1.1 **INTRODUCTION**

This report aims to present an overview of discharge activity in acute public hospitals in Ireland during 2020 using data from the Hospital In-Patient Enquiry (HIPE) scheme. HIPE collects information on day patient and in-patient activity from participating hospitals.1

Section One provides an overview of the 2020 report. It outlines briefly the background of the HIPE scheme, and highlights other data sources used throughout the report. Given the impact of COVID-19 on hospitals in 2020, its effects on HIPE data are briefly discussed in this section, and data relating to COVID-19 admissions are analysed in further detail in this year's annex. The scope of the HIPE data and the methods used in the report are discussed. Finally, an analysis of the trends in the main HIPE variables is undertaken using data from the period 2016-2020. This analysis must take into account the effect of COVID-19 on hospitals ability to be able to perform their usual levels of activity in 2020.

1.2 BACKGROUND

From 1st January 2014 the Health Research and Information Division at the ESRI and the National Casemix Programme (HSE) became the Healthcare Pricing Office (HPO).² While the HPO has initially been established on an administrative basis, attached to the HSE, it is planned that this Office will ultimately be established on a statutory basis.³ Part of the remit of the HPO is to oversee all functions associated with the operation of the HIPE database, including the development and support of the data collection and reporting software, training of coders, data quality, audit, data analysis and reporting, and responding to requests for information.⁴

At the start of 2020, the classification used to code clinical information was updated from the 8th Edition to the 10th Edition of the International Statistical Classification of Diseases and Related Health Problems, Tenth Revision, Australian Modification (ICD-10-AM), Australian Classification of Health interventions (ACHI), Australian Coding Standards (ACS). 5,6,7 Ireland updates the clinical classification every four to five years to ensure the classifications remain current

See Appendix I for a list of hospitals participating in HIPE in 2020.

From 1990 to 2013 the Economic and Social Research Institute (ESRI) oversaw the administration and management of the HIPE scheme on behalf of the Health Service Executive (HSE) and the Department of Health (DoH).

This development is in line with the proposals in the 'Money Follows the Patient' policy paper published by the Department of Health in February 2013.

For more information on the work of the HPO please see www.hpo.ie

Australian Consortium for Classification Development (ACCD) 2017. The International Statistical Classification of Diseases and Related Health Problems, Tenth Revision, Australian Modification (ICD-10-AM), and Australian Classification of Health Interventions (ACHI) and Australian Coding Standards (ACS) - ICD-10-AM/ACHI/ACS (10th Ed) Adelaide: Independent Hospital Pricing Authority (IHPA), Lane Publishing.

The spelling conventions of ICD-10-AM comply with the Macquarie Dictionary, as recommended by the Australian government style manual.

HIPE data for 2020 is coded using the 10th edition of ICD-10-AM.

for national and international use. Extensive training of all HIPE staff is undertaken when the classification is updated to ensure understanding of changes in the new classification. Use of ICD-10-AM/ACHI/ACS is complemented by the Irish Coding Standards (ICS).8 The ICS are developed for use with the Australian Classifications and Coding Standards (ACS) and are revised regularly to reflect changing clinical practice and to ensure that the classification and its application are relevant to the Irish healthcare system. Due to the update in the classification, caution must be exercised when comparing procedure and diagnosis categories presented in reports from 2020 onwards compared to previous reports, due to changes in sequencing of codes within a HIPE record, addition of new codes, deletion of codes, and updates to ACS and ICS.9

In 2015, the Australian Refined Diagnosis Related Groups (AR-DRG) classification was updated from AR-DRG Version 6.0 to AR-DRG Version 8.0.^{10,11} The update to AR-DRG Version 8.0 included a revision of the complexity model used to assign AR-DRGs to discharges. In addition to this, it included a review of existing AR-DRGs, the removal of some AR-DRGs and the inclusion of new AR-DRGs. The naming convention for AR-DRGs was also updated.

Given the comprehensive coverage achieved by this information system, the data gathered by HIPE are used by policymakers, clinical teams and researchers. In addition to responding to requests for HIPE information, the HPO also manages the HIPE Statistics Reporter which is available online. 12

1.3 COVID-19

From the first quarter of 2020, COVID-19 had a substantial impact on the ability of hospitals to deliver their normal level of services due to the reconfiguration and re-designation of wards to accommodate COVID-19 discharges. As a result of this, the HSE entered into a Service Level Agreement ("SLA") with private hospitals to allow some public patients to be treated in private hospitals for the duration of the COVID-19 pandemic. This data is not presented in this report. 13

Based on guidelines published by the Independent Hospital Pricing Authority (IHPA) which incorporates guidance from the WHO regarding the HIPE coding of Novel Coronavirus, the HPO published Irish Coding Standard (ICS) 22X2 V1.3

Irish Coding Standards (ICS) provide guidelines for the collection of HIPE data for all discharges and are to be used in conjunction with 10th Edition ICD-10-AM/ACHI/ACS and the relevant HIPE Instruction Manual. For further information, see www.hpo.ie

See Appendix VII for an overview of changes from ICD-10-AM/ACHI/ACS 8th edition (in use from 2015-2019) to 10th Edition (in use from 1st January 2020).

AR-DRG Version 8.0 was first reported on in the HIPE Annual Report in 2016.

See Appendix VIII for an overview of changes between AR-DRG Version 6.0 and Version 8.0.

¹² Available at www.hpo.ie

While data is submitted by private hospitals to validate claims for activity performed, this data is deemed not robust for analysis due to non-specificity within the data returned and low levels of coverage. It is also based on a reduced HIPE record and does not form part of the main HIPE dataset.

Novel Coronavirus (COVID-19) (initially published in January 2020 and updated in March 2020). The Annex is this report presents data based on the codes advised in this ICS to identify COVID-19 discharges.

The availability, reliability and coverage of the HIPE dataset during this pandemic was, and continues to be, of national and international importance. A process was developed by the HPO in March 2020 to prioritise the coding of COVID-19 discharges to facilitate automatic nightly exports of cases with this diagnosis. In this manner, the Department of Health, the HSE and other health agencies had access to this important activity data to track, monitor and support the health system.

1.4 **DATA SOURCES FOR ANNUAL REPORT 2020**

HIPE: The Hospital In-Patient Enquiry (HIPE) scheme, established in

> 1971, is a health information system designed to collect clinical and administrative data on discharges from, and deaths in, acute hospitals in Ireland. 14,15 In 2020, 53 public hospitals in Ireland

participated in HIPE (see Appendix I).16

Population Population estimates for 2016–2020 are based on Census 2016

data published by the Central Statistics Office. Estimates:

1.5 STRUCTURE OF ANNUAL REPORT 2020

The remainder of this report is structured as follows:

Section Two

In Section Two the report is concerned with providing a demographic (WHO), regional (WHERE) and temporal (WHEN) profile of discharges reported to HIPE in 2020. Section Two includes many of the administrative variables reported to HIPE, including age, sex, marital/civil status, GMS status, and discharge status. The regional analysis uses Hospital Group to see where discharges are being hospitalised, while the temporal analysis looks at day of admission, day of discharge, and month of discharge.

Section Three

Section Three focuses on the diagnoses and procedures recorded for discharges reported to HIPE. Section Three presents analysis of hospital activity by patient type with top 20 principal diagnoses and procedure blocks presented for day

¹⁴ See Appendix II for details of data collected by HIPE, see also the HIPE Data Dictionary 2020 Version 12.1 available at www.hpo.ie

¹⁵ A copy of the HIPE data entry form for 2020 is contained in Appendix III.

For historical reasons, a small number of non-acute hospitals also reported to HIPE in 2020. Discharges from these hospitals have been included in this report.

patients and for total, elective and emergency in-patients. The top 10 principal diagnoses and procedure blocks are presented by delivery status for maternity inpatients. Further analysis is presented for diagnoses and procedures reported for total discharges by sex and age group. The mean and median length of stay for inpatient discharges is presented by principal diagnoses and principal procedures.

Section Four

Section Four provides analysis of all HIPE data by case mix. Each Major Diagnostic Category (MDC) is presented with its associated Australian Refined Diagnosis Related Groups (AR-DRG) for total discharges. The analyses provide a breakdown of MDCs and AR-DRGs by patient type, with in-patient mean and median length of stay also provided. The version of the AR-DRG Classification used from 2016-2020 is Version 8.0.17

Annex

The annex is designed to highlight particular topics of interest that merit further analysis. This year's topic of interest is a discussion and analysis of HIPE data relating to admissions with the Coronavirus Disease 2019 (COVID-19) in 2020.

Glossary and Abbreviations

This section provides definitions of the terminology used in this report along with explanations of the abbreviations.

1.6 **SCOPE OF HIPE DATA**

- Each HIPE discharge record represents one episode of care. Patients may be admitted to hospital more than once in any given time period with the same or different diagnoses. In the absence of a unique health identifier, therefore, the data reported to HIPE facilitate analysis of hospital discharge activity but do not permit analysis of certain parameters, such as the number of hospital encounters per patient; or estimate the incidence or prevalence of a particular disease.
- Emergency In-Patient Admissions: HIPE includes patients who attended the Emergency Department and were subsequently admitted to hospital. As just a proportion of those attending the Emergency Department will subsequently be admitted to hospital, it is not possible to use emergency admissions reported to HIPE to draw conclusions about the total volume of activity in **Emergency Departments.**
- Coverage of data: Coverage of the HIPE system is calculated using the discharges returned as 'coded' as a proportion of total discharges reported within each hospital. The data available from participating hospitals for 2020 indicate that for day patient and in-patient discharges appropriate for inclusion in the HIPE data set, 98.9 per cent of the discharges reported from hospital systems were coded and returned for inclusion in the national HIPE data set.

1.7 **METHODS AND DEFINITIONS**

Some of the methods and definitions used to present data in the report are detailed below.

Patient Type: HIPE collects data on day patients and in-patients.

- A day patient is admitted to hospital for treatment on an elective (rather than an emergency) basis and is discharged alive, as scheduled, on the same day. ¹⁸ Deliveries are not included.
- An in-patient is admitted to hospital for treatment or investigation on an elective or emergency basis. Sameday in-patients are admitted as inpatients and discharged on the same day, while overnight in-patients stay at least one night in hospital.

In-Patient Length of Stay: In line with current reporting for Activity Based Funding, since the 2018 report the length of stay assigned for sameday inpatients has changed from one bed day to 0.5 bed days. This is based on an analysis of hospital data which shows that, on average, 0.5 days is a more appropriate measure of length of stay for this cohort of patients. This change will impact on the total in-patient length of stay resulting in a lower average length of stay compared to years prior to 2018. Therefore, caution must be taken if comparing the average length of stay data presented in this report to HIPE annual reports prior to 2018.

Diagnosis Related Groups: "Local DRG's" presented in report. The official classification for AR-DRG's (Version 8.0) has been slightly modified by the addition of two local DRG's specific to Ireland to account for differences in the provision of care between Ireland and Australia. While this practice has been used for Activity Based Funding, this modification to the official classification has only been published in the HIPE Annual Report since 2018.

- R99Z (Oncology Repeat Attendance): There are many attendances at oncology day wards where patients undergo only very minor procedures (e.g. taking of bloods) which are generally of lower complexity than administration of chemotherapy or other oncology procedures. The "local DRG" R99Z (Oncology Repeat Attendance) is used to identify these cases and to ensure that they are costed and reimbursed appropriately.
- J98Z (UV Therapy): In general UV therapy is not administered in the acute hospital setting in Australia whereas it is in a number of Irish hospitals. In order to differentiate this activity from other skin disorder treatments the "local DRG" J98Z (UV Therapy) has been created which isolates this activity so that it can be costed and reimbursed appropriately.

Definition is based on: Department of Health and Children, 2001. Quality and Fairness AHealth System for You: Health Strategy, Department of Health and Children, 2001.

Derived Variables: For some of the categorical administrative variables, aggregation of categories has been necessary to ensure confidentiality. These derivations are presented in Appendix IV for admission type, admission source, and discharge destination.

Reporting of small numbers: The HPO does not report cells where the number of discharges reported to HIPE is five or fewer. The tables contained in this report have been suppressed in this manner by replacing such cells with the symbol ~. Where further suppression is necessary to ensure that cells with five or fewer discharges are not disclosed, the cell with the next lowest number of discharges may be replaced with the symbol *. Where cells containing five or fewer discharges have been suppressed, the associated mean and median in-patient length of stay figures may be suppressed using the symbol ^. In Section Three, the symbol ‡ is used to denote where the sex and/or age group breakdown for a particular diagnosis or procedure has not been provided, as the numbers reported would result in suppression across the majority of categories.

1.8 DISCHARGES REPORTED TO HIPE, 2016-2020

In 2020, 1,499,945 discharges were reported to HIPE by participating acute public hospitals,¹⁹ representing a decrease of 12.0 per cent over the period 2016–2020 and a decrease of 15.3 per cent over the period 2019–2020. From the first quarter of 2020, Coronavirus disease 2019 (COVID-19) affected the ability of hospitals to perform their usual levels of activity. Therefore, any comparisons with earlier years needs to take this into account.

Table 1.1 and Figures 1.1 to 1.2 show the distribution of discharges over the period 2016–2020 by selected variables. The following points provide a summary of changes over the period 2016–2020:

- The male-female split in 2020 has remained consistent with previous years, with a larger proportion of female discharges (52.4 per cent).
- The 65 years and over age group accounted for the largest proportion of total discharges in 2020 (39.1 per cent), representing a decrease of 13.9 per cent for this age group from 2016–2020.
- From 2016–2020 there was a decrease of 8.3 per cent for public discharges and a decrease of 31.0 per cent for private discharges.²⁰
- The number of day patient discharges decreased from 1,060,602 in 2016 to 930,310 in 2020, a decrease of 12.3 per cent.
- The number of in-patient discharges decreased from 643,850 in 2016 to 569,635 in 2020, a decrease of 11.5 per cent.
- Emergency in-patient discharges comprised 67.2 per cent of total in-patient discharges in 2016, increasing to 70.2 per cent of all discharges in 2020.
- Maternity in-patient discharges decreased by 15.5 per cent over the period 2016–2020 from 115,490 to 97,600 discharges.
- Sameday in-patient discharges decreased by 6.9 per cent over the period 2016–2020 from 124,112 to 115,512 discharges.
- Over the period 2016–2020, the average length of stay remained relatively constant for emergency in-patients at 6.3 days. The average length of stay increased for elective in-patients from 6.9 days to 7.4 days, and decreased for maternity in-patients from 2.7 days to 2.4 days over the same period.
- Overnight in-patient discharges stayed on average 6.8 days in 2016 which has increased to 7.1 days in 2020, an increase of 4.4 per cent. The median has remained constant at 3 days over the period.

In 2020 there were <5 cases with sex recorded as 'unknown'. These cases were verified with the hospitals. For reasons of confidentiality these cases are not included in this report.</p>

Public/Private status refers to whether the patient saw the consultant on a private or public basis. It does not relate to the type of bed occupied nor is it an indicator of private health insurance.

 TABLE 1.1
 Acute Public Hospital Discharges in HIPE (N, %), 2016-2020

| | 2016 | 2017 | 2018 | 2019 | 2020 | % Change | % Change |
|------------------------------------|---------------------------|---------------------------|---------------------------|---------------------------|---------------------------|---------------|----------------|
| | N (%) | 2016–2020 | 2019–2020 |
| Total Discharges | 1,704,452 100 | 1,718,523 100 | 1,737,212 100 | 1,771,022 100 | 1,499,945 100 | -12.0 | -15.3 |
| Discharge Rate ^a | 359.6 | 358.6 | 357.7 | 359.9 | 301.4 | -16.2 | -16.3 |
| Sex | 700 702 | 000.442 | 047.054 | 027.046 | 74.4.74 | 0.4 | 440 |
| Males | 788,702 | 800,443 | 817,851 | 837,916 | 714,171 | -9.4 | -14.8 |
| Formulas | 46.3 | 46.6 | 47.1 | 47.3 | 47.6 | 14.2 | 15.0 |
| Females | 915,750 53.7 | 918,080 53.4 | 919,361 52.9 | 933,106 52.7 | 785,774 52.4 | -14.2 | -15.8 |
| Age Group | 30.7 | 33.1 | 52.5 | 52.7 | 52 | | |
| Under 15 Years | 132,677 | 127,545 | 129,137 | 124,716 | 92,537 | -30.3 | -25.8 |
| 15–44 Years | 7.8 471,123 | 7.4 465,383 | 7.4 456,062 | 7.0 457,073 | 6.2 389,864 | -17.2 | -14.7 |
| | 27.6 | 27.1 | 26.3 | 25.8 | 26.0 | | |
| 45–64 Years | 483,587 28.4 | 490,964 28.6 | 495,211 28.5 | 508,747 28.7 | 431,326 28.8 | -10.8 | -15.2 |
| 65 Years and Over | 617,065 | 634,631 | 656,802 | 680,486 | 586,218 | -5.0 | -13.9 |
| | 36.2 | 36.9 | 37.8 | 38.4 | 39.1 | | |
| Public/Private Status ^b | | | | | | | |
| Public Discharges | 1,424,290 | 1,454,057 | 1,488,034 | 1,528,698 | 1,306,683 | -8.3 | -14.5 |
| 2 2 | 83.6 | 84.6 | 85.7 | 86.3 | 87.1 | 21.2 | 20.0 |
| Private Discharges | 280,162 | 264,466 | 249,178 | 242,324 | 193,262 | -31.0 | -20.2 |
| GMC Status | 16.4 | 15.4 | 14.3 | 13.7 | 12.9 | | |
| GMS Status GMS | 942,022 | 953,030 | 971,882 | 995,063 | 790,465 | -16.1 | -20.6 |
| Civio | 55.3 | 55.5 | 55.9 | 56.2 | 52.7 | 10.1 | 20.0 |
| Non-GMS | 744,344 | 740,996 | 740,522 | 723,922 | 644,414 | -13.4 | -11.0 |
| | 43.7 | 43.1 | 42.6 | 40.9 | 43.0 | | |
| Unknown | 18,086 | 24,497 | 24,808 | 52,037 | 65,066 | 259.8 | 25.0 |
| | 1.1 | 1.4 | 1.4 | 2.9 | 4.3 | | |
| Hospital Group | | | | | | | |
| Ireland East | 325,110 | 329,543 | 338,603 | 354,669 | 292,944 | -9.9 | -17.4 |
| DCCI | 19.1 | 19.2 | 19.5 | 20.0 | 19.5 | 0.2 | 42.5 |
| RCSI | 254,227 14.9 | 258,768 15.1 | 258,954 14.9 | 263,641 14.9 | 230,758 15.4 | -9.2 | -12.5 |
| Dublin Midlands ^c | 318,725 | 319,373 | 325,230 | 333,923 | 286,770 | -10.0 | -14.1 |
| Dabini Wilalanas | 18.7 | 18.6 | 18.7 | 18.9 | 19.1 | 10.0 | |
| South/South West | 329,632 | 331,619 | 329,610 | 325,579 | 283,315 | -14.1 | -13.0 |
| , | 19.3 | 19.3 | 19.0 | 18.4 | 18.9 | | |
| UL | 106,749 | 111,771 | 113,077 | 114,679 | 100,268 | -6.1 | -12.6 |
| | 6.3 | 6.5 | 6.5 | 6.5 | 6.7 | | |
| Saolta | 310,448 | 309,209 | 312,651 | 320,246 | 259,591 | -16.4 | -18.9 |
| | 18.2 | 18.0 | 18.0 | 18.1 | 17.3 | | |
| Children's | 54,234 | 53,211 | 53,795 | 52,404 | 42,150 | -22.3 | -19.6 |
| No group | 3.2 5,327 | 3.1 5,029 | 3.1 5,292 | 3.0 5,881 | 2.8 4,149 | -22.1 | -29.5 |
| No group | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 | -22.1 | -23.3 |
| Day Patients ^c | 1,060,602 | 1,077,014 | 1,086,312 | 1,120,675 | 930,310 | -12.3 | -17.0 |
| | 100 | 100 | 100 | 100 | 100 | | |
| Dialysis/Radiotherapy/ | 399,895 | 396,925 | 394,397 | 405,990 | 388,246 | -2.9 | -4.4 |
| Chemotherapy ^c | 37.7 | 36.9 | 36.3 | 36.2 | 41.7 | | |
| Maternity | 20,763 2.0 | 20,831 1.9 | 20,601 1.9 | 22,336 2.0 | 21,867 2.4 | 5.3 | -2.1 |
| Other | 639,944 | 659,258 | 671,314 | 692,349 | 520,197 | -18.7 | -24.9 |
| Other | 60.3 | 61.2 | 61.8 | 61.8 | 55.9 | 10.7 | 24.3 |
| | C42.0F0 | 641,509 | 650,900 | 650,347 | 569,635 100 | -11.5 | -12.4 |
| In-Patients | 643,850 | | 100 | | 1111 | | |
| | 100 | 100 | 100 | 100 94 256 | | 24 5 | 22.2 |
| In-Patients Elective | 100 95,870 | 100 96,100 | 96,893 | 94,256 | 72,426 | -24.5 | -23.2 |
| Elective | 95,870 14.9 | 96,100 15.0 | 96,893 14.9 | 94,256 14.5 | 72,426 12.7 | | |
| | 95,870 14.9 432,490 | 96,100 15.0 434,214 | 96,893 14.9 443,313 | 94,256 14.5 448,313 | 72,426 12.7 399,609 | -24.5 -7.6 | -23.2 -10.9 |
| Elective | 100 95,870 14.9 | 96,100 15.0 | 96,893 14.9 | 94,256 14.5 | 72,426 12.7 | | |

Contd. overleaf

TABLE 1.1 Acute Public Hospital Discharges in HIPE (N, %), 2016–2020 (contd.)

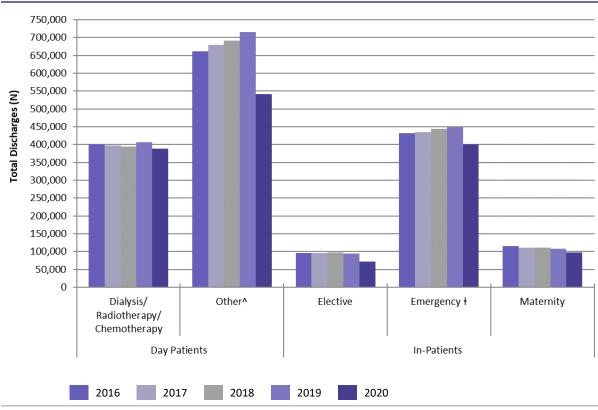
| | | 2016 | 2017 | 2018 | 2019 | 2020 | % Change | % Change |
|------------------------|-------------|-------------------|-------------------|-------------------|-------------------|-------------------|-----------|-----------|
| | | N (%) | 2016–2020 | 2019–2020 |
| Overnight In-F | atients | 519,738 | 518,756 | 522,003 | 515,196 | 454,123 | -12.6 | -11.9 |
| | | 80.7 | 80.9 | 80.2 | 79.2 | 79.7 | | |
| Sameday In-Pa | atients | 124,112 | 122,753 | 128,897 | 135,151 | 115,512 | -6.9 | -14.5 |
| | | 19.3 | 19.1 | 19.8 | 20.8 | 20.3 | | |
| In-Patient Len | gth of Stay | | | | | | | |
| In-Patients | Mean | 5.7 | 5.7 | 5.7 | 5.7 | 5.8 | 1.8 | 1.8 |
| | Median | 2 | 2 | 2 | 2 | 2 | | |
| Elective | Mean | 6.9 | 6.7 | 6.8 | 6.9 | 7.4 | 7.2 | 7.2 |
| | Median | 2 | 2 | 2 | 2 | 2 | | |
| Emergency ^e | Mean | 6.2 | 6.3 | 6.2 | 6.3 | 6.3 | 1.6 | 0.0 |
| | Median | 2 | 2 | 2 | 2 | 2 | | |
| Maternity | Mean | 2.7 | 2.7 | 2.6 | 2.6 | 2.4 | -11.1 | -7.7 |
| | Median | 2 | 2 | 2 | 2 | 2 | | |
| Overnight | Mean | 6.8 | 6.9 | 7.0 | 7.1 | 7.1 | 4.4 | 0.0 |
| In-Patients | Median | 3 | 3 | 3 | 3 | 3 | | |
| In-Patient Bed | • | | | | | | | |
| Total In-Patie | nts | 3,651,438 | 3,679,625 | 3,711,417 | 3,727,639 | 3,282,359 | -10.1 | -11.9 |
| | | 100 | 100 | 100 | 100 | 100 | | |
| Under 15 Ye | ears | 284,997 | 276,584 | 270,757 | 254,537 | 213,764 | -25.0 | -16.0 |
| | | 7.8 | 7.5 | 7.3 | 6.8 | 6.5 | | |
| 15 to 44 Yea | ars | 717,761 | 709,097 | 670,925 | 666,872 | 576,821 | -19.6 | -13.5 |
| | | 19.7 | 19.3 | 18.1 | 17.9 | 17.6 | | |
| 45 to 64 Yea | ars | 702,640 | 712,827 | 720,392 | 725,846 | 658,253 | -6.3 | -9.3 |
| | | 19.2 | 19.4 | 19.4 | 19.5 | 20.1 | | |
| 65 Years an | d Over | 1,946,040 | 1,981,117 | 2,049,343 | 2,080,384 | 1,833,520 | -5.8 | -11.9 |
| | | 53.3 | 53.8 | 55.2 | 55.8 | 55.9 | | |
| Overnight In-I | Patients | 3,527,326 96.6 | 3,556,872 96.7 | 3,646,968 98.3 | 3,660,063 98.2 | 3,224,603 98.2 | -8.6 | -11.9 |

Notes: Percentage columns are subject to rounding.

- a These rates are based on population estimates published by the CSO which are based on the 'usual residence' concept. Crude discharge rate is calculated as the ratio of total discharges to the population of Ireland, multiplied by 1,000. When those discharges with no fixed abode and who were living outside Ireland are excluded, the crude discharge rate is 300.8 per 1,000 population.
- b Public/Private status refers to whether the patient saw the consultant on a private or public basis. It does not relate to the type of bed occupied nor is it an indicator of private health insurance.
- c The Dialysis category includes day patient discharges with a principal procedure of *haemodialysis* (ACHI procedure block 1060), the Chemotherapy category includes day patient discharges with a principal diagnosis of *pharmacotherapy session for neoplasm* (ICD-10-AM diagnosis code Z51.1), the Radiotherapy category includes day patient discharges with a principal diagnosis of *radiotherapy session* (ICD-10-AM diagnosis code Z51.0).
- d HIPE includes patients who attended the Emergency Department and were subsequently admitted to hospital. As just a proportion of those attending the Emergency Department will subsequently be admitted to hospital, it is not possible to use emergency admissions reported to HIPE to draw conclusions about the total volume of activity in Emergency Departments.
- e Bed Days are presented as a proportion of total in-patient bed days. The calculation of bed days assigns 0.5 bed days to in-patients discharged on the same day (sameday in-patients) and one bed day to in-patients who stayed one night in basnital

Sources: Data on discharges, length of stay and bed days for 2016-2020 were obtained from HIPE. Population estimates for 2016-2020 were obtained from the Central Statistics Office. https://data.cso.ie/ (Table PEA01) [Accessed 15th July 2021].

FIGURE 1.1 Total Discharges by Patient Type and Admission Type (N), 2016–2020



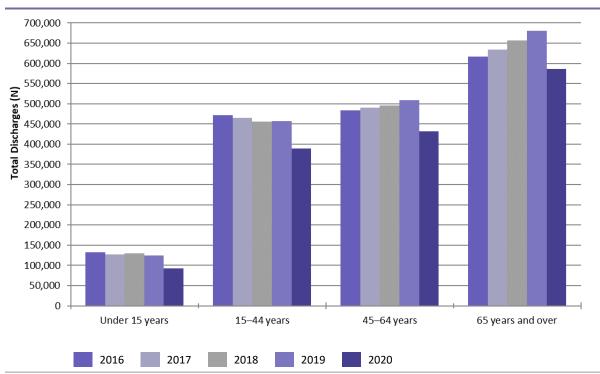
Notes:

See Appendix I for a list of hospitals that participated in HIPE in 2020.

- ^ Includes day patient maternity discharges (see Table 1.1).
- † Emergency admissions do not capture patients who attended the Emergency Department but were not subsequently admitted to hospital. For this reason, it is not possible to use emergency admissions reported to HIPE to draw conclusions about the volume of activity in Emergency Departments.

Source: Data for 2016–2020 were obtained from HIPE.

FIGURE 1.2 Total Discharges by Age Group (N), 2016–2020



Source:

Data for 2016–2020 were obtained from HIPE

Discharge Overview SECTION 2020

Table of Contents

| 2.1 | INTRO | INTRODUCTION17 | | | | |
|-----|-------|---|----|--|--|--|
| 2.2 | WHO | | 18 | | | |
| | 2.2.1 | Age | 18 | | | |
| | 2.2.2 | Marital/Civil Status | 26 | | | |
| | 2.2.3 | Public/Private Status | 27 | | | |
| | 2.2.4 | GMS Status | 30 | | | |
| 2.3 | WHER | | 32 | | | |
| | 2.3.1 | Hospital Group | 32 | | | |
| | 2.3.2 | Admission Source | 38 | | | |
| | 2.3.3 | Discharge Destination | 39 | | | |
| | 2.3.4 | Admission Source by Discharge Destination | | | | |
| 2.4 | WHEN | N | 41 | | | |
| | 2.4.1 | Day of Admission | 41 | | | |
| | 2.4.2 | Day of Discharge | 43 | | | |
| | 2.4.3 | Month of Discharge | 44 | | | |

2.1 INTRODUCTION

Section Two provides an overview of the demographic and temporal distribution of day patient and in-patient discharges. Section Two is divided into three main sections.

- Section 2.2 reports on who the discharges were (age, sex, marital/civil status, public/private status, and GMS status).
- Section 2.3 reports on where discharges were hospitalised, where they came from, and where they were discharged to (hospital group, admission source, and discharge destination).
- Section 2.4 reports on when discharges were admitted to, and discharged from, hospital (day of admission, day of discharge, and month of discharge).

The calculation of total in-patient length of stay differs in this report compared to reports prior to 2018. Since 2018, the length of stay assigned for sameday in-patients has changed from one bed day to 0.5 bed days. This will impact on the total in-patient length of stay resulting in a lower average length of stay compared to years prior to 2018 (see Section 1.6).

2.2 WHO

Section 2.2 examines patient characteristics. Total discharges are disaggregated in the following tables and figures by age, sex, marital/civil status, public/private status, and GMS status.

A day patient is admitted to hospital for treatment on an elective (rather than an emergency) basis and is discharged alive, as scheduled, on the same day. In 2020, day patient discharges accounted for 62.0 per cent of total discharges. In-patient discharges accounted for the remaining 38.0 per cent of total discharges with 70.2 per cent of in-patients admitted on an emergency basis, 12.7 per cent admitted on an elective basis and 17.1 per cent admitted as maternity in-patients.

2.2.1 Age

Table 2.1a disaggregates total discharges by patient type (day patient and inpatient) and age group. For the length of stay analysis, in-patient discharges are disaggregated into sameday in-patient and overnight in-patient discharges. Sameday in-patients are admitted as in-patients and discharged on the same day, while overnight in-patients stay at least one night in hospital. Overnight in-patient discharges and their associated length of stay are displayed in Figure 2.1.

Discharges

- The largest proportion of total discharges were in the 65–74 years age group (19.6 per cent). This age group accounted for the largest proportion of day patient discharges (22.8 per cent).
- Discharges in the older age groups accounted for a relatively large proportion of bed days; those aged 65 years and over accounted for 35.0 per cent of inpatient discharges and 55.9 per cent of in-patient bed days.

Length of Stay

- Discharges aged 25-34 years accounted for 17.1 per cent of total sameday inpatients, the largest amongst all age groups.
- Apart from those aged less than one year, mean length of stay increased with age for overnight in-patient discharges rising from 3.1 days for discharges aged 1-14 years to 12.9 days for discharges aged 85 years and over. Median length of stay ranged between 2 to 7 days across all age groups.

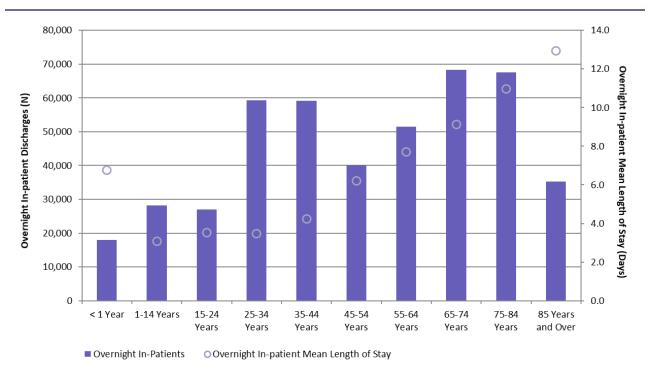
 TABLE 2.1a
 Total Discharges: Patient Type by Age Group (N, %, Bed Days, %, and In-Patient Length of Stay)

| | Discharges and Bed Days | | | | | | | | |
|-------------------|-----------------------------|------|---------|------|-----------|-------|-------------|------------------|--|
| | Day Patients In-Patients To | | | | | | Total Disch | Total Discharges | |
| | N | % | N | % | Bed Days | % | N | % | |
| < 1 Year | 2,777 | 0.3 | 20,639 | 3.6 | 122,525 | 3.7 | 23,416 | 1.6 | |
| 1–14 Years | 32,748 | 3.5 | 36,373 | 6.4 | 91,239 | 2.8 | 69,121 | 4.6 | |
| 15–24 Years | 32,074 | 3.4 | 38,135 | 6.7 | 101,024 | 3.1 | 70,209 | 4.7 | |
| 25-34 Years | 59,411 | 6.4 | 79,055 | 13.9 | 216,278 | 6.6 | 138,466 | 9.2 | |
| 35–44 Years | 103,149 | 11.1 | 78,040 | 13.7 | 259,520 | 7.9 | 181,189 | 12.1 | |
| 45-54 Years | 134,633 | 14.5 | 53,652 | 9.4 | 255,399 | 7.8 | 188,285 | 12.6 | |
| 55–64 Years | 178,496 | 19.2 | 64,545 | 11.3 | 402,855 | 12.3 | 243,041 | 16.2 | |
| 65-74 Years | 212,461 | 22.8 | 82,118 | 14.4 | 630,338 | 19.2 | 294,579 | 19.6 | |
| 75–84 Years | 140,819 | 15.1 | 78,015 | 13.7 | 745,489 | 22.7 | 218,834 | 14.6 | |
| 85 Years and Over | 33,742 | 3.6 | 39,063 | 6.9 | 457,693 | 13.9 | 72,805 | 4.9 | |
| Total Discharges | 930,310 | 100 | 569,635 | 100 | 3,282,359 | 100.0 | 1,499,945 | 100 | |

| | In-Patient Length of Stay | | | | | | |
|-------------------|---------------------------|-----------------------|------|--------|-------------------|------|--------|
| | Sameday In-Patients | Overnight In-Patients | | | Total In-Patients | | |
| | N | N | Mean | Median | N | Mean | Median |
| < 1 Year | 2,735 | 17,904 | 6.8 | 3 | 20,639 | 5.9 | 2 |
| 1–14 Years | 8,157 | 28,216 | 3.1 | 2 | 36,373 | 2.5 | 1 |
| 15–24 Years | 11,130 | 27,005 | 3.5 | 2 | 38,135 | 2.6 | 1 |
| 25-34 Years | 19,794 | 59,261 | 3.5 | 2 | 79,055 | 2.7 | 2 |
| 35–44 Years | 18,901 | 59,139 | 4.2 | 3 | 78,040 | 3.3 | 2 |
| 45-54 Years | 13,626 | 40,026 | 6.2 | 3 | 53,652 | 4.8 | 2 |
| 55–64 Years | 13,091 | 51,454 | 7.7 | 4 | 64,545 | 6.2 | 3 |
| 65-74 Years | 13,766 | 68,352 | 9.1 | 5 | 82,118 | 7.7 | 4 |
| 75–84 Years | 10,474 | 67,541 | 11.0 | 6 | 78,015 | 9.6 | 5 |
| 85 Years and Over | 3,838 | 35,225 | 12.9 | 7 | 39,063 | 11.7 | 6 |
| Total Discharges | 115,512 | 454,123 | 7.1 | 3 | 569,635 | 5.8 | 2 |

Note: Percentage and bed day columns are subject to rounding.

FIGURE 2.1 Overnight In-Patients: Discharges and Mean Length of Stay (Days) by Age group



2.2.1.1 Age and Sex

The data presented in Table 2.1a are disaggregated by sex in Table 2.1b - Table 2.1d. Table 2.1b presents male discharges, while Table 2.1c presents female discharges (excl. maternity) and Table 2.1d presents female discharges (maternity). In 2020, there were 785,774 female discharges, and of these 15.2 per cent were maternity discharges.

Discharges

- The 65–74 years age group accounted for the largest proportion of both male and female (excl. maternity) discharges, 23.4 per cent and 19.1 per cent respectively.
- Discharges aged 65 years and over accounted for 42.2 per cent of male inpatient discharges and 58.4 per cent of male in-patient bed days, while for females (excl. maternity) this group accounted for 42.2 per cent of female inpatient discharges and 62.2 per cent of female in-patient bed days.
- The 75–84 years age group accounted for the largest proportion of in-patient bed days for both males (24.0 per cent) and females (excl. maternity) (25.0 per cent).
- Females aged between 25 and 34 years accounted for just over half of maternity in-patient discharges (51.4 per cent), while those aged 35-44 years accounted for 36.5 per cent of in-patient discharges in this group.

Length of Stay

- Male overnight in-patient discharges had a mean length of stay of 8.1 days and female (excl. maternity) overnight in-patient discharges had a mean length of stay of 7.8 days. As displayed in Figure 2.2, apart from the youngest age group aged less than 1 year, overnight in-patient mean length of stay generally increased with age for both sexes.
- For all age groups aged between 15 and 74 years, females (excl. maternity) had a lower overnight in-patient mean length of stay compared to males. Median overnight in-patient length of stay was similar across all age groups, ranging between 2 to 7 days for males and 2 to 8 days for females.
- For maternity discharges, total overnight in-patient mean length of stay was 2.9 days, increasing with age, from 2.7 days for females aged less than 25 years to 4.1 days for those aged 45 years and over.

TABLE 2.1b Total Male Discharges: Patient Type by Age Group (N, %, Bed Days, % and In-Patient Length of Stay)

| | | | Disc | harges ar | nd Bed Days | | | |
|-------------------|----------|-------|---------|-----------|-------------|------|-------------|--------|
| | Day Pati | ents | | Total In | -Patients | | Total Disch | narges |
| | N | % | N | % | Bed Days | % | N | % |
| < 1 Year | 1,493 | 0.3 | 11,519 | 4.8 | 66,911 | 4.2 | 13,012 | 1.8 |
| 1–14 Years | 18,996 | 4.0 | 19,418 | 8.1 | 46,619 | 2.9 | 38,414 | 5.4 |
| 15–24 Years | 15,488 | 3.3 | 12,678 | 5.3 | 38,752 | 2.4 | 28,166 | 3.9 |
| 25–34 Years | 22,482 | 4.7 | 13,397 | 5.6 | 50,838 | 3.2 | 35,879 | 5.0 |
| 35-44 Years | 40,540 | 8.6 | 20,033 | 8.3 | 86,414 | 5.4 | 60,573 | 8.5 |
| 45-54 Years | 60,108 | 12.7 | 26,994 | 11.2 | 141,039 | 8.8 | 87,102 | 12.2 |
| 55–64 Years | 94,106 | 19.9 | 34,997 | 14.5 | 236,443 | 14.7 | 129,103 | 18.1 |
| 65-74 Years | 122,408 | 25.8 | 44,997 | 18.7 | 358,365 | 22.3 | 167,405 | 23.4 |
| 75-84 Years | 80,471 | 17.0 | 39,951 | 16.6 | 385,056 | 24.0 | 120,422 | 16.9 |
| 85 Years and Over | 17,503 | 3.7 | 16,592 | 6.9 | 194,200 | 12.1 | 34,095 | 4.8 |
| Total Discharges | 473,595 | 100.0 | 240,576 | 100 | 1,604,637 | 100 | 714,171 | 100 |

| | | | In-Patier | nt Length of S | Stay | | |
|-------------------|------------------------|---------|---------------|----------------|---------|---------------|--------|
| | Sameday In-Patients | Over | night In-Pati | ents | То | tal In-Patien | ts |
| | N | N | Mean | Median | N | Mean | Median |
| < 1 Year | 1,564 | 9,955 | 6.6 | 3 | 11,519 | 5.8 | 2 |
| 1–14 Years | 4,571 | 14,847 | 3.0 | 2 | 19,418 | 2.4 | 1 |
| 15–24 Years | 3,820 | 8,858 | 4.2 | 2 | 12,678 | 3.1 | 1 |
| 25–34 Years | 3,982 | 9,415 | 5.2 | 2 | 13,397 | 3.8 | 1 |
| 35–44 Years | 5,681 | 14,352 | 5.8 | 3 | 20,033 | 4.3 | 1 |
| 45-54 Years | 6,367 | 20,627 | 6.7 | 3 | 26,994 | 5.2 | 2 |
| 55–64 Years | 6,570 | 28,427 | 8.2 | 4 | 34,997 | 6.8 | 3 |
| 65-74 Years | 7,049 | 37,948 | 9.4 | 5 | 44,997 | 8.0 | 4 |
| 75–84 Years | 4,960 | 34,991 | 10.9 | 6 | 39,951 | 9.6 | 5 |
| 85 Years and Over | 1,528 | 15,064 | 12.8 | 7 | 16,592 | 11.7 | 6 |
| Total Discharges | 46,092 | 194,484 | 8.1 | 4 | 240,576 | 6.7 | 3 |

Note: Percentage and bed day columns are subject to rounding.

 TABLE 2.1c
 Female Discharges (excl. Maternity): Patient Type by Age Group (N, %, Bed Days, % and In-Patient
 Length of Stay)

| | | | Disc | harges ar | nd Bed Days | | | |
|-------------------|----------|-------|---------|-----------|-------------|------|-------------|--------|
| | Day Pati | ients | | Total In | -Patients | | Total Disch | narges |
| | N | % | N | % | Bed Days | % | N | % |
| < 1 Year | 1,284 | 0.3 | 9,120 | 3.9 | 55,615 | 3.9 | 10,404 | 1.6 |
| 1–14 Years | 13,751 | 3.2 | 16,944 | 7.3 | 44,582 | 3.1 | 30,695 | 4.6 |
| 15–24 Years | 14,646 | 3.4 | 14,182 | 6.1 | 38,797 | 2.7 | 28,828 | 4.3 |
| 25-34 Years | 26,023 | 6.0 | 15,471 | 6.7 | 47,258 | 3.3 | 41,494 | 6.2 |
| 35–44 Years | 53,774 | 12.4 | 22,429 | 9.7 | 79,764 | 5.5 | 76,203 | 11.4 |
| 45-54 Years | 74,340 | 17.1 | 26,109 | 11.3 | 112,416 | 7.8 | 100,449 | 15.1 |
| 55–64 Years | 84,390 | 19.4 | 29,548 | 12.8 | 166,412 | 11.6 | 113,938 | 17.1 |
| 65-74 Years | 90,053 | 20.7 | 37,121 | 16.0 | 271,972 | 18.9 | 127,174 | 19.1 |
| 75–84 Years | 60,348 | 13.9 | 38,064 | 16.4 | 360,433 | 25.0 | 98,412 | 14.8 |
| 85 Years and Over | 16,239 | 3.7 | 22,471 | 9.7 | 263,493 | 18.3 | 38,710 | 5.8 |
| Total Discharges | 434,848 | 100 | 231,459 | 100 | 1,440,741 | 100 | 666,307 | 100 |

| | | | In-Patier | nt Length of | Stay | | |
|-------------------|------------------------|---------|---------------|--------------|---------|---------------|--------|
| | Sameday In-Patients | Over | night In-Pati | ents | To | tal In-Patien | ts |
| | N | N | Mean | Median | N | Mean | Median |
| < 1 Year | 1,171 | 7,949 | 6.9 | 3 | 9,120 | 6.1 | 2 |
| 1–14 Years | 3,583 | 13,361 | 3.2 | 2 | 16,944 | 2.6 | 1 |
| 15–24 Years | 4,234 | 9,948 | 3.7 | 2 | 14,182 | 2.7 | 1 |
| 25–34 Years | 5,149 | 10,322 | 4.3 | 2 | 15,471 | 3.1 | 1 |
| 35–44 Years | 6,717 | 15,712 | 4.9 | 2 | 22,429 | 3.6 | 1 |
| 45–54 Years | 7,175 | 18,934 | 5.7 | 3 | 26,109 | 4.3 | 2 |
| 55–64 Years | 6,521 | 23,027 | 7.1 | 4 | 29,548 | 5.6 | 2 |
| 65–74 Years | 6,717 | 30,404 | 8.8 | 5 | 37,121 | 7.3 | 3 |
| 75–84 Years | 5,514 | 32,550 | 11.0 | 6 | 38,064 | 9.5 | 5 |
| 85 Years and Over | 2,310 | 20,161 | 13.0 | 8 | 22,471 | 11.7 | 7 |
| Total Discharges | 49,091 | 182,368 | 7.8 | 4 | 231,459 | 6.2 | 2 |

Note: Percentage and bed day columns are subject to rounding.

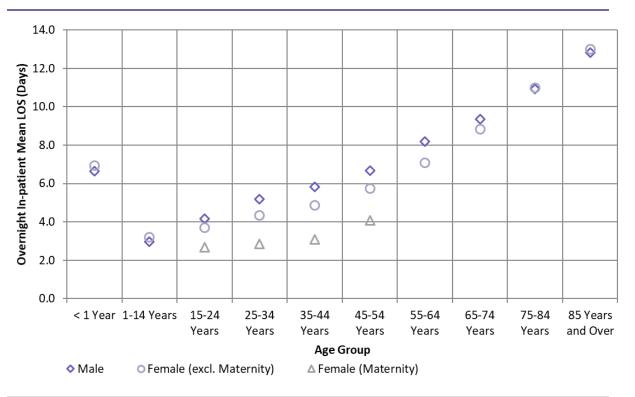
TABLE 2.1d Female Discharges (Maternity): Patient Type by Age Group (N, %, Bed Days, % and In-Patient Length of Stay)

| | | | Disc | charges a | nd Bed Days | | | |
|-------------------|----------|-------|--------|-----------|-------------|------|-------------|--------|
| | Day Pati | ients | | Total In | -Patients | | Total Disch | narges |
| | N | % | N | % | Bed Days | % | N | % |
| <25 Years | 1,941 | 8.9 | 11,286 | 11.6 | 23,513 | 9.9 | 13,227 | 11.1 |
| 25-34 Years | 10,906 | 49.9 | 50,187 | 51.4 | 118,183 | 49.9 | 61,093 | 51.1 |
| 35–44 Years | 8,835 | 40.4 | 35,578 | 36.5 | 93,342 | 39.4 | 44,413 | 37.2 |
| 45 Years and Over | 185 | 0.8 | 549 | 0.6 | 1,945 | 0.8 | 734 | 0.6 |
| Total Discharges | 21,867 | 100 | 97,600 | 100 | 236,982 | 100 | 119,467 | 100 |

| | | | In-Patient | : Length of St | tay | | |
|-------------------|------------------------|--------|---------------|----------------|--------|---------------|--------|
| | Sameday In-Patients | Over | night In-Pati | ents | То | tal In-Patien | ts |
| | N | N | Mean | Median | N | Mean | Median |
| <25 Years | 3,079 | 8,207 | 2.7 | 2 | 11,286 | 2.1 | 2 |
| 25–34 Years | 10,663 | 39,524 | 2.9 | 2 | 50,187 | 2.4 | 2 |
| 35–44 Years | 6,503 | 29,075 | 3.1 | 3 | 35,578 | 2.6 | 2 |
| 45 Years and Over | 84 | 465 | 4.1 | 4 | 549 | 3.5 | 3 |
| Total Discharges | 20,329 | 77,271 | 2.9 | 2 | 97,600 | 2.4 | 2 |

Note: Percentage and bed day columns are subject to rounding.

FIGURE 2.2 Overnight In-Patients: Mean Length of Stay (Days) by Age Group and Sex: Males, Females (excl. Maternity), Females (Maternity)



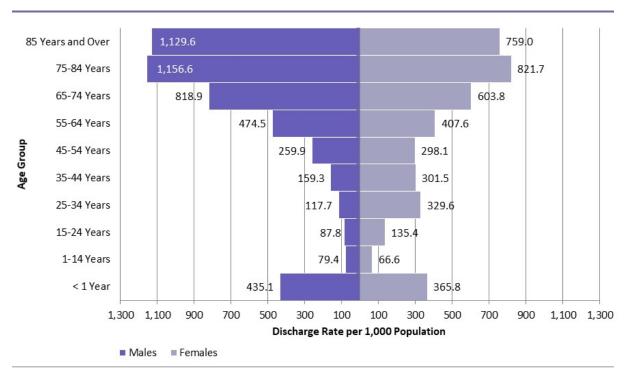
Note: Mean length of stay is not presented for female maternity discharges where there were a small number of discharges reported within a particular age group.

Discharge Rates by Age and Sex

Figure 2.3 shows the discharge rates per 1,000 population by sex and age group for total discharges.

- Apart from the youngest age group, for both males and females, the discharge rate generally increased with age. Those aged 75 to 84 years recorded the highest discharge rate for both males and females (1,156.6 per 1,000 population of males and 821.7 per 1,000 population of females).
- Females aged between 15 and 54 years had a higher discharge rate per 1,000 population than males; males had a higher discharge rate for all other age groups.





Population estimates for 2020 by sex and age group were obtained from the CSO. Source: https://data.cso.ie/#PEA11 [accessed 15th July 2021]

2.2.2 Marital/Civil Status

2.2.2.1 Marital/Civil Status by Patient Type

Table 2.2 disaggregates total discharges by patient type and marital/civil status.

- Married discharges accounted for 48.9 per cent of total discharges.
- Discharges who were widowed accounted for 9.1 per cent of total in-patient discharges, and 15.3 per cent of in-patient bed days.
- Overnight in-patient discharges with a marital status of single had the lowest mean length of stay of 5.9 days, compared to 11.1 days for discharges who were widowed.

TABLE 2.2 Total Discharges: Patient Type by Marital/Civil Status (N, %, and In-Patient Length of Stay)

| | | | Disc | harges an | nd Bed Days | | | |
|------------------|----------|------|---------|-----------|-------------|------|-------------|--------|
| | Day Pati | ents | | Total In | -Patients | | Total Disch | narges |
| | N | % | N | % | Bed Days | % | N | % |
| Single | 277,484 | 29.8 | 228,120 | 40.0 | 1,076,844 | 32.8 | 505,604 | 33.7 |
| Married | 487,341 | 52.4 | 246,003 | 43.2 | 1,376,394 | 41.9 | 733,344 | 48.9 |
| Widowed | 72,525 | 7.8 | 51,646 | 9.1 | 502,313 | 15.3 | 124,171 | 8.3 |
| Other* | 39,841 | 4.3 | 21,109 | 3.7 | 148,840 | 4.5 | 60,950 | 4.1 |
| Unknown | 35,214 | 3.8 | 13,722 | 2.4 | 119,577 | 3.6 | 48,936 | 3.3 |
| Divorced | 17,905 | 1.9 | 9,035 | 1.6 | 58,391 | 1.8 | 26,940 | 1.8 |
| Total Discharges | 930,310 | 100 | 569,635 | 100 | 3,282,359 | 100 | 1,499,945 | 100 |

| | | | In-Patie | nt Length of | Stay | | |
|------------------|------------------------|---------|--------------|--------------|---------|---------------|--------|
| | Sameday In-Patients | Over | night In-Pat | ients | To | tal In-Patien | ts |
| | N | N | Mean | Median | N | Mean | Median |
| Single | 50,718 | 177,402 | 5.9 | 3 | 228,120 | 4.7 | 2 |
| Married | 49,605 | 196,398 | 6.9 | 3 | 246,003 | 5.6 | 2 |
| Widowed | 6,636 | 45,010 | 11.1 | 6 | 51,646 | 9.7 | 5 |
| Other* | 3,835 | 17,274 | 8.5 | 4 | 21,109 | 7.1 | 3 |
| Unknown | 2,747 | 10,975 | 10.8 | 4 | 13,722 | 8.7 | 3 |
| Divorced | 1,971 | 7,064 | 8.1 | 4 | 9,035 | 6.5 | 3 |
| Total Discharges | 115,512 | 454,123 | 7.1 | 3 | 569,635 | 5.8 | 2 |

Notes:

2.2.2.2 Marital/Civil Status by Admission Type

Figure 2.4 shows the proportion of total discharges by marital/civil status and admission type.

- Approximately a third of total discharges with a marital/civil status of widowed or single were admitted as emergency in-patients (36.6 per cent and 31.7 per cent respectively).
- Over eight per cent of total discharges with a marital/civil status of single and
 7.2 per cent with a marital/civil status of married were admitted as maternity in-patients.

Percentage and bed day columns are subject to rounding.

^{*} Other includes Separated, Civil Partner, Formal Civil Partner, and Surviving Civil Partner

100.0 90.0 80.0 Fotal Discharges (%) 70.0 60.0 50.0 40.0 30.0 20.0 10.0 0.0 Single Married Widowed Other* Unknown Divorced 65.4 66.5 ■ Day Patient 54.9 66.5 58.4 72.0 ■ In-Patients Elective 4.6 5.0 5.1 4.7 5.5 5.1 ■ In-Patients Emergency 31.7 21.8 36.6 27.8 20.9 26.8 ■ In-Patients Maternity 8.4 7.2 0.0 1.7 2.4 1.2

FIGURE 2.4 Total Discharges: Marital/Civil Status by Admission Type (%)

Notes

Percentages are subject to rounding.

Other includes Separated, Civil Partner, Formal Civil Partner, and Surviving Civil Partner

2.2.3 **Public/Private Status**

In HIPE, public/private status relates to whether the patient saw the consultant on a private or public basis. It does not relate to the type of bed occupied nor is it an indicator of possession of private health insurance.

Table 2.3 and Figure 2.5 disaggregate total discharges by public/private status and age group. Of total discharges, 87.1 per cent were discharged on a public basis.

- Over 87 per cent of total discharges were treated on a public basis. Private patients in public hospitals accounted for 12.9 per cent of total discharges.
- The 25-34 years age group had the largest proportion of total discharges treated publicly (90.4 per cent) with only 9.6 per cent treated on a private basis.
- The 35–44 years age group had the largest proportion of total discharges that were treated on a private basis, accounting for 15.0 per cent of all discharges in this age group.

Length of Stay

For the majority of age groups, the public overnight in-patient mean length of stay exceeded the private overnight in-patient mean length of stay. The difference is largest for discharges aged 55-64 years, where public discharges stayed on average 1.8 days longer than their private counterparts (see Table 2.3 and Figure 2.6). Median length of stay for public overnight in-patients in this age group was 4 days; 1 day longer than private overnight in-patients.

TABLE 2.3 Total Discharges: Public/Private Status by Patient Type and Age Group (N, Row %, In-Patient Length of Stay)

| | | | | | | Discharges | ges | | | | | |
|-------------------|---------|----------|---------|------|---------|------------|---------|------|-----------|------------------|---------|------|
| | | Day Pati | ients | | | Total In-P | atients | | | Total Dis | charges | |
| | Public | | Private | d) | Public | () | Private | a) | Public | | Private | te |
| | z | % | z | % | z | % | z | % | z | % | z | % |
| <1 Year | 2,589 | 93.2 | 188 | 8.9 | 18,145 | 87.9 | 2,494 | 12.1 | 20,734 | 88.5 | 2,682 | 11.5 |
| 1–14 Years | 28,790 | 87.9 | 3,958 | 12.1 | 30,427 | 83.7 | 5,946 | 16.3 | 59,217 | 85.7 | 9,904 | 14.3 |
| 15–24 Years | 28,384 | 88.5 | 3,690 | 11.5 | 34,836 | 91.3 | 3,299 | 8.7 | 63,220 | 90.0 | 686'9 | 10.0 |
| 25–34 Years | 53,514 | 90.1 | 5,897 | 9.6 | 71,598 | 9.06 | 7,457 | 9.4 | 125,112 | 90.4 | 13,354 | 9.6 |
| 35–44 Years | 89,470 | 86.7 | 13,679 | 13.3 | 64,609 | 87.8 | 13,431 | 17.2 | 154,079 | 85.0 | 27,110 | 15.0 |
| 45–54 Years | 116,249 | 86.3 | 18,384 | 13.7 | 46,465 | 9.98 | 7,187 | 13.4 | 162,714 | 86.4 | 25,571 | 13.6 |
| 55-64 Years | 155,275 | 87.0 | 23,221 | 13.0 | 54,979 | 85.2 | 9)266 | 14.8 | 210,254 | 86.5 | 32,787 | 13.5 |
| 65–74 Years | 184,840 | 87.0 | 27,621 | 13.0 | 69,652 | 84.8 | 12,466 | 15.2 | 254,492 | 86.4 | 40,087 | 13.6 |
| 75–84 Years | 124,459 | 88.4 | 16,360 | 11.6 | 67,179 | 86.1 | 10,836 | 13.9 | 191,638 | 87.6 | 27,196 | 12.4 |
| 85 Years and Over | 30,732 | 91.1 | 3,010 | 8.9 | 34,491 | 88.3 | 4,572 | 11.7 | 65,223 | 9.68 | 7,582 | 10.4 |
| Total Discharges | 814,302 | 87.5 | 116,008 | 12.5 | 492,381 | 86.4 | 77,254 | 13.6 | 1,306,683 | 87.1 | 193,262 | 12.9 |
| | | | | | | | | | | | | |

| | | | | | In-Pati | In-Patient Length of Stay | of Stay | | | | | |
|-------------------|-----------------|------------|---------|--------|--------------|---------------------------|---------|--------|------|-----------|-------------------|---------|
| | Sameday In-Pati | n-Patients | | | Overnight In | -Patients | | | | Total In- | Fotal In-Patients | |
| | Public | Private | | Public | | | Private | | Pu | Public | Pri | Private |
| | z | z | z | Mean | Median | z | Mean | Median | Mean | Median | Mean | Median |
| < 1 Year | 2,512 | 223 | 15,633 | 8.9 | က | 2,271 | 6.3 | 2 | 0.9 | 2 | 2.7 | 2 |
| 1–14 Years | 7,148 | 1,009 | 23,279 | 3.2 | 2 | 4,937 | 2.8 | 2 | 2.5 | П | 2.4 | 1 |
| 15–24 Years | 10,642 | 488 | 24,194 | 3.5 | 2 | 2,811 | 3.7 | 2 | 5.6 | П | 3.2 | 2 |
| 25–34 Years | 18,551 | 1,243 | 53,047 | 3.5 | 2 | 6,214 | 3.4 | 3 | 2.7 | 2 | 2.9 | 2 |
| 35–44 Years | 17,037 | 1,864 | 47,572 | 4.3 | 2 | 11,567 | 3.8 | 33 | 3.3 | 2 | 3.3 | 2 |
| 45–54 Years | 12,722 | 904 | 33,743 | 6.4 | က | 6,283 | 4.9 | 3 | 4.8 | 2 | 4.4 | 2 |
| 55–64 Years | 12,130 | 961 | 42,849 | 8.0 | 4 | 8,605 | 6.2 | 33 | 6.4 | 3 | 9.9 | 33 |
| 65–74 Years | 12,766 | 1,000 | 56,886 | 9.4 | 5 | 11,466 | 7.9 | 4 | 7.7 | 3 | 7.3 | 4 |
| 75–84 Years | 9,816 | 658 | 57,363 | 11.2 | 9 | 10,178 | 9.6 | 9 | 9.6 | 2 | 9.1 | 2 |
| 85 Years and Over | 3,615 | 223 | 30,876 | 13.1 | 7 | 4,349 | 11.8 | 7 | 11.8 | 9 | 11.2 | 7 |
| Total Discharges | 106,939 | 8,573 | 385,442 | 7.3 | က | 68,681 | 6.2 | 8 | 5.8 | 2 | 5.6 | က |

Percentage columns are subject to rounding.

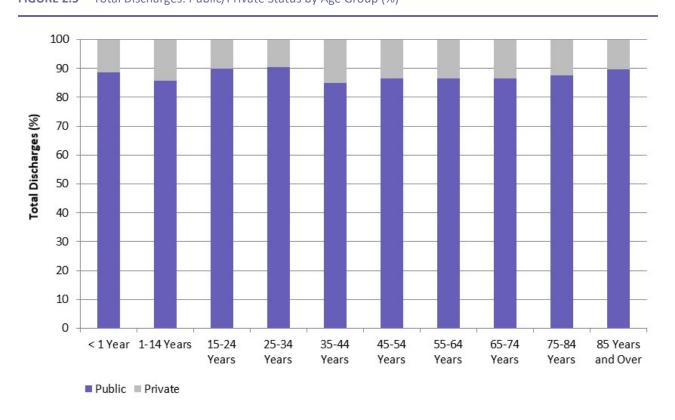
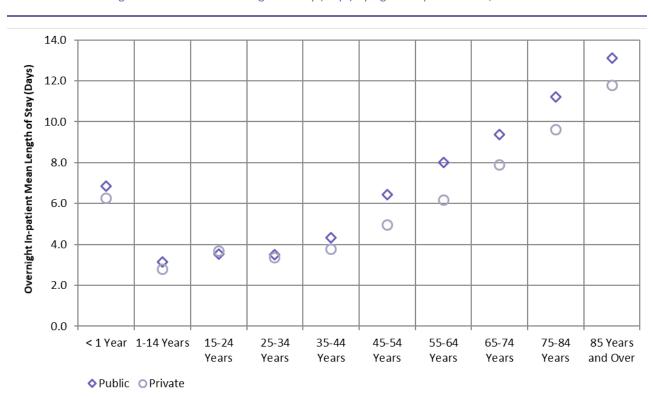


FIGURE 2.6 Overnight In-Patients: Mean Length of Stay (Days) by Age Group and Public/Private Status



2.2.4 GMS Status

GMS status refers to the medical card status of each HIPE discharge. Eligibility for a medical card is predominately dependent on income. It should be noted that where a discharge is recorded as having a medical card, this does not necessarily imply that the hospital discharge was publicly funded and vice versa.

2.2.4.1 GMS Status by Age Group

Table 2.4 disaggregates total discharges by GMS status and age group.

- Of total discharges, those aged 65–74 years accounted for the largest proportion of GMS discharges (19.6 per cent).
- Apart from those aged less than 25, the proportion of total discharges that were GMS discharges generally increased with age, with the largest proportion in the 85 years and over age group (81.5 per cent) – see Figure 2.7.

TABLE 2.4 Total Discharges: GMS Status by Age Group (N, %)

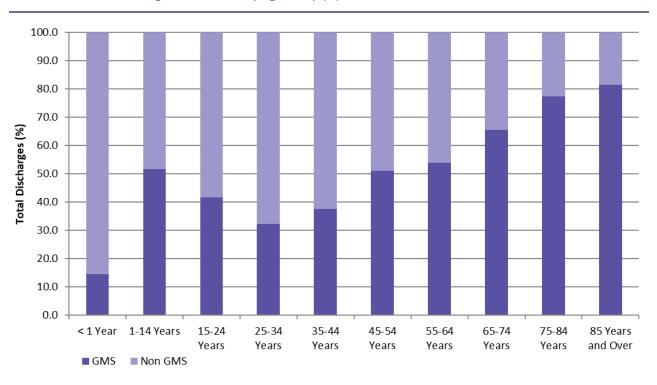
| | GN | IS | Non- | GMS | Unkn | own ^a | Total Disc | harges |
|-------------------|---------|------|---------|------|--------|------------------|------------|--------|
| | N | % | N | % | N | % | N | % |
| < 1 Year | 3,406 | 0.4 | 19,919 | 3.1 | 91 | 0.1 | 23,416 | 1.6 |
| 1–14 Years | 35,506 | 4.5 | 33,254 | 5.2 | 361 | 0.6 | 69,121 | 4.6 |
| 15–24 Years | 28,999 | 3.7 | 40,605 | 6.3 | 605 | 0.9 | 70,209 | 4.7 |
| 25-34 Years | 44,115 | 5.6 | 92,681 | 14.4 | 1,670 | 2.6 | 138,466 | 9.2 |
| 35–44 Years | 65,905 | 8.3 | 109,624 | 17.0 | 5,660 | 8.7 | 181,189 | 12.1 |
| 45-54 Years | 91,115 | 11.5 | 87,701 | 13.6 | 9,469 | 14.6 | 188,285 | 12.6 |
| 55–64 Years | 122,793 | 15.5 | 105,324 | 16.3 | 14,924 | 22.9 | 243,041 | 16.2 |
| 65-74 Years | 180,047 | 22.8 | 95,108 | 14.8 | 19,424 | 29.9 | 294,579 | 19.6 |
| 75–84 Years | 161,164 | 20.4 | 47,166 | 7.3 | 10,504 | 16.1 | 218,834 | 14.6 |
| 85 Years and Over | 57,415 | 7.3 | 13,032 | 2.0 | 2,358 | 3.6 | 72,805 | 4.9 |
| Total Discharges | 790,465 | 100 | 644,414 | 100 | 65,066 | 100 | 1,499,945 | 100 |

Notes:

Percentage columns are subject to rounding.

a Relates to discharges for whom GMS status was not known.

Total Discharges: GMS Status by Age Group (%) FIGURE 2.7



Data for discharges whose GMS status was 'unknown' are not included in the calculations for this figure. Note:

WHERE 2.3

Section 2.3 examines where discharges were hospitalised, and where they were admitted from and discharged to. Data are presented in the following tables and figures by hospital group, admission source and discharge destination.

Hospital Group 2.3.1

Hospitals in Ireland are organised into seven hospital groups (see Appendix I). HIPE data is collected for all of the acute hospitals in these groups, along with a small number of non-acute hospitals that are not assigned to a group and are presented together as 'No group'. Table 2.5 disaggregates total discharges by hospital group and patient type.

Discharges

- The largest proportion of total discharges were hospitalised in the Ireland East Hospital Group (19.5 per cent).
- Total in-patient discharges were also highest in the Ireland East Hospital Group where 21.8 per cent of discharges were hospitalised, while the Dublin Midlands Hospital Group accounted for the highest proportion of day patients (21.7 per cent).

Length of Stay

The overnight in-patient mean length of stay ranged from 5.4 days (Children's) to 8.0 days (Dublin Midlands) - see Figure 2.8.

TABLE 2.5 Total Discharges: Hospital Group by Patient Type (N, %, Bed Days, %, and In-Patient Length of Stay)

| | | | Dis | charges | and Bed Days | | | |
|------------------|------------|------|---------|-----------|--------------|------|--------------|-------|
| | Day Patier | its | | Total In- | Patients | | Total Discha | arges |
| | N | % | N | % | Bed Days | % | N | % |
| Ireland East | 168,534 | 18.1 | 124,410 | 21.8 | 696,269 | 21.2 | 292,944 | 19.5 |
| RCSI | 142,366 | 15.3 | 88,392 | 15.5 | 528,602 | 16.1 | 230,758 | 15.4 |
| Dublin Midlands | 201,907 | 21.7 | 84,863 | 14.9 | 570,887 | 17.4 | 286,770 | 19.1 |
| South/South West | 179,447 | 19.3 | 103,868 | 18.2 | 595,477 | 18.1 | 283,315 | 18.9 |
| UL | 51,160 | 5.5 | 49,108 | 8.6 | 208,143 | 6.3 | 100,268 | 6.7 |
| Saolta | 162,095 | 17.4 | 97,496 | 17.1 | 493,033 | 15.0 | 259,591 | 17.3 |
| Children's | 23,740 | 2.6 | 18,410 | 3.2 | 87,295 | 2.7 | 42,150 | 2.8 |
| No group^ | 1,061 | 0.1 | 3,088 | 0.5 | 102,653 | 3.1 | 4,149 | 0.3 |
| Total Discharges | 930,310 | 100 | 569,635 | 100 | 3,282,359 | 100 | 1,499,945 | 100 |

| | | | In-Patie | nt Length of | Stay | | |
|------------------|------------------------|---------|----------------|--------------|---------|-----------------|--------|
| | Sameday In-Patients | Overr | night In-Patie | nts | Tot | tal In-Patients | 5 |
| | N | N | Mean | Median | N | Mean | Median |
| Ireland East | 31,141 | 93,269 | 7.3 | 3 | 124,410 | 5.6 | 2 |
| RCSI | 14,339 | 74,053 | 7.0 | 3 | 88,392 | 6.0 | 3 |
| Dublin Midlands | 14,821 | 70,042 | 8.0 | 4 | 84,863 | 6.7 | 3 |
| South/South West | 16,693 | 87,175 | 6.7 | 3 | 103,868 | 5.7 | 3 |
| UL | 14,875 | 34,233 | 5.9 | 3 | 49,108 | 4.2 | 2 |
| Saolta | 21,088 | 76,408 | 6.3 | 3 | 97,496 | 5.1 | 2 |
| Children's | 2,547 | 15,863 | 5.4 | 2 | 18,410 | 4.7 | 2 |
| No group^ | 8 | 3,080 | 33.3 | 21 | 3,088 | 33.2 | 21 |
| Total Discharges | 115,512 | 454,123 | 7.1 | 3 | 569,635 | 5.8 | 2 |

Notes:

Percentage and bed day columns are subject to rounding.

Discharges allocated to 'No group' are not referred to in the text of this report as they refer to the small group of discharges in non-acute hospitals and would not be considered to be comparable to other groups. See Appendix I for the list of hospitals by Group in 2020.

110,000 9.0 100,000 8.0 Overnight In-patient Mean Length of Stay (Days) 90,000 Overnight In-Patient Discharges (N) 7.0 80,000 6.0 70,000 0 5.0 60,000 50,000 4.0 40,000 3.0 30,000 2.0 20,000 1.0 10,000 0.0 Ireland East RCSI Dublin South/South UL Saolta Children Midlands West **Hospital Group** Mean Length of Stay ■ Discharges

FIGURE 2.8 Overnight In-Patients: Discharges (N) and Mean Length of Stay (Days) by Hospital Group

Note:

Data for discharges hospitalised in 'No group' are not displayed in this figure.

2.3.1.1 Hospital Group by Admission Type

Table 2.6 disaggregates total discharges by hospital group and admission type.

Discharges

- The largest proportion of elective in-patients were treated in the South/South West Hospital Group (21.8 per cent), accounting for 16.0 per cent of total elective inpatient bed days.
- The Ireland East Hospital Group treated the largest proportion of both emergency inpatients (22.0 per cent) and maternity in-patients (22.2 per cent) compared to other groups.

Total Discharges: Hospital Group by Patient Type and Admission Type (N, %, Bed Days, %) TABLE 2.6

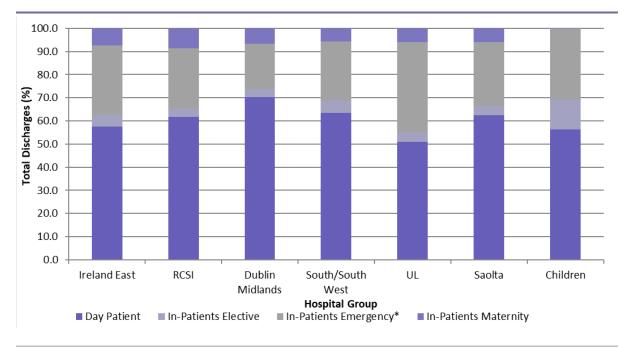
| | | | | | | | Disch | arges an | vischarges and Bed Days | | | | | | | |
|------------------------|--------------|------|--------|------|----------|------|---------|----------|-------------------------|------|--------|------|-----------|------|-------------------------|-------|
| | Day Patients | nts | | | | | | In-Pa | In-Patients | | | | | | Total Discharges | arges |
| | | | | Elec | Elective | | | Emer | Emergency ^a | | | Mate | Maternity | | | |
| | z | % | z | % | Bed Days | % | z | % | Bed Days | % | z | % | Bed Days | % | z | % |
| Ireland East | 168,534 | 18.1 | 14,877 | 20.5 | 94,743 | 17.7 | 87,878 | 22.0 | 553,009 | 22.0 | 21,655 | 22.2 | 48,516 | 20.5 | 292,944 | 19.5 |
| RCSI | 142,366 | 15.3 | 8,815 | 12.2 | 52,939 | 6.6 | 59,937 | 15.0 | 425,997 | 17.0 | 19,640 | 20.1 | 49,666 | 21.0 | 230,758 | 15.4 |
| Dublin Midlands | 201,907 | 21.7 | 9,877 | 13.6 | 78,029 | 14.6 | 56,201 | 14.1 | 454,718 | 18.1 | 18,785 | 19.2 | 38,140 | 16.1 | 286,770 | 19.1 |
| South/South West | 179,447 | 19.3 | 15,803 | 21.8 | 85,596 | 16.0 | 71,652 | 17.9 | 462,816 | 18.4 | 16,413 | 16.8 | 47,066 | 19.9 | 283,315 | 18.9 |
| Π | 51,160 | 5.5 | 4,018 | 5.5 | 25,529 | 4.8 | 39,087 | 9.8 | 163,120 | 6.5 | 6,003 | 6.2 | 19,494 | 8.2 | 100,268 | 6.7 |
| Saolta | 162,095 | | 10,513 | 14.5 | 68,772 | 12.9 | 71,880 | 18.0 | 390,162 | 15.5 | 15,103 | 15.5 | 34,099 | 14.4 | 259,591 | 17.3 |
| Children's | 23,740 | 5.6 | 5,436 | 7.5 | 25,544 | 4.8 | 12,973 | 3.2 | 61,750 | 2.5 | 5 | I | < | I | 42,150 | 2.8 |
| No group [‡] | 1,061 | 0.1 | 3,087 | 4.3 | 102,637 | 19.2 | \$ | I | < | I | 0 | 0.0 | I | 0.0 | 4,149 | 0.3 |
| Total Discharges | 930,310 | 100 | 72,426 | 100 | 533,789 | 100 | 399,609 | | 100 2,511,589 | 100 | 97,600 | 100 | 236,982 | 100 | 1,499,945 | 100 |

| <i>Notes:</i> a | Percentage and bed day columns are subject to rounding HIPE includes patients who attended the Emergency Department and were subsequently admitted to hospital. As just a proportion of those attending the Emergency Department will subsequently be admitted to hospital, it is not possible to use emergency admissions reported to HIPE to draw conclusions about the total volume of activity in Emergency Departments. |
|-----------------|--|
| -#- | Discharges allocated to 'No group' are not referred to in the text as they refer to the small group of discharges in non-acute hospitals and would not be considered to be comparable to other groups. See Appendix I for the list of hospitals by Group in 2020. |
| ? | Denotes five or fewer discharges reported to HIPE. |
| < | Denotes bed days that are suppressed where the number of discharges is not reported. |

Figure 2.9 disaggregates total discharges in each hospital group by admission type.

- Across all hospital groups, the largest proportion of total discharges were treated as day patients, ranging from 51.0 per cent in the UL Hospital Group to 70.4 per cent in the Dublin Midlands Hospital Group.
- The RCSI Hospital Group treated 8.5 per cent of total discharges as maternity in-patients, the highest amongst all hospital groups.
- The UL Hospital Group treated the highest proportion of total discharges as emergency in-patients (39.0 per cent), followed by the Children's Hospital Group (30.8 per cent).

FIGURE 2.9 Total Discharges: Hospital Group by Admission Type (%)



Notes:

Data for discharges hospitalised in 'No group' are not displayed in this figure.

HIPE includes patients who attended the Emergency Department and were subsequently admitted to hospital. As just a proportion of those attending the Emergency Department will subsequently be admitted to hospital, it is not possible to use emergency admissions reported to HIPE to draw conclusions about the total volume of activity in Emergency

2.3.1.2 Hospital Group by Public/Private Status

Table 2.7 disaggregates total discharges by hospital group, public/private status and patient type.

Discharges

- The RCSI Hospital Group treated the largest proportion of total discharges on a public basis (91.7 per cent), while the UL Hospital Group treated the smallest proportion of total discharges on a public basis (81.0 per cent).
- Over 90 per cent of total day patients were treated as public day patients in the Ireland East, RCSI and Saolta Hospital Groups. The smallest proportion was in the UL Hospital Group where 77.6 per cent of total day patients were treated on a public basis.
- The proportion of total in-patients treated on a public basis was highest in the Saolta Hospital Group (90.8 per cent) and was lowest in the South/South West Hospital Group (82.2 per cent).

Length of Stay

- Overnight in-patient mean length of stay was 7.3 days for public discharges compared to 6.2 days for private discharges.
- The Dublin Midlands Hospital Group recorded the longest overnight in-patient mean length of stay for both public (8.2 days) and private discharges (7.4 days) compared to the other groups.

Total Discharges: Hospital Group by Public/Private Status and Patient Type (N, % and In-Patient Length of Stay) TABLE 2.7

| | | | % | 10.3 | 8.3 | 15.4 | 17.8 | 19.0 | 9.7 | 11.4 | 11.4 | 12.9 | | | | ian | 2 | 33 | 33 | 3 | n | 2 | 2 | 7 | ო |
|------------|--------------------------|---------|---|--------------|---------|-----------------|------------------|--------|---------|------------|-----------------------|------------------|---------------------------|--------------------------|---------|--------|--------------|--------|-----------------|------------------|--------|--------|------------|-----------------------|------------------|
| | | Private | | | 71 | | | | 52 | | 472 | | | | Private | Median | | | | | | | | | |
| | charges | | z | 30,243 | 19,071 | 44,042 | 50,336 | 19,028 | 25,252 | 4,818 | 4 | 193,262 | | Total In-Patients | | Mean | 4.6 | 6.3 | 6.7 | 5.6 | 5.2 | 5.4 | 4.1 | 14.2 | 5.6 |
| | Total Discharges | 0 | % | 89.7 | 91.7 | 84.6 | 82.2 | 81.0 | 90.3 | 9.88 | 88.6 | 87.1 | | Total In- |]i | Median | 2 | c | 3 | 2 | 1 | 2 | 2 | 23 | 2 |
| | | Public | z | 262,701 | 211,687 | 242,728 | 232,979 | 81,240 | 234,339 | 37,332 | 3,677 | 1,306,683 | | | Public | Mean | 5.8 | 5.9 | 6.7 | 5.8 | 4.1 | 2.0 | 4.8 | 35.7 | 5.8 |
| | | | % | 13.6 | 10.7 | 15.5 | 17.8 | 15.5 | 9.5 | 12.4 | 11.4 | 13.6 | | | | Median | 3 | 4 | 4 | 3 | 33 | 3 | 2 | 7 | 8 |
| 10 | tients | Private | z | 16,895 | 9,420 | 13,171 | 18,535 | 7,588 | 900′6 | 2,288 | 351 | 77,254 | of Stay | | Private | Mean | 5.4 | 6.7 | 7.4 | 6.2 | 5.5 | 6.2 | 4.5 | 14.2 | 6.2 |
| Discharges | Total In-Patients | | % | 86.4 | 89.3 | 84.5 | 82.2 | 84.5 | 8.06 | 9.78 | 9.88 | 86.4 | In-Patient Length of Stay | -Patients | | z | 14,023 | 8,728 | 11,867 | 16,793 | 7,150 | 7,718 | 2,051 | 351 | 68,681 |
| | | Public | z | 107,515 | 78,972 | 71,692 | 85,333 | 41,520 | 88,490 | 16,122 | 2,737 | 492,381 | In-Pat | Overnight In-Patients | | Median | 3 | 33 | æ | 3 | 33 | 3 | 2 | 23 | က |
| | | | % | 7.9 | 8.9 | 15.3 | 17.7 | 22.4 | 10.0 | 10.7 | 11.4 | 12.5 | | | Public | Mean | 7.6 | 7.1 | 8.2 | 6.9 | 0.9 | 6.3 | 2.6 | 35.8 | 7.3 |
| | nts | Private | z | 13,348 | 9,651 | 30,871 | 31,801 | 11,440 | 16,246 | 2,530 | 121 | 116,008 | | | | z | 79,246 | 65,325 | 58,175 | 70,382 | 27,083 | 68,690 | 13,812 | 2,729 | 385,442 |
| | Day Patients | | % | 92.1 | 93.2 | 84.7 | 82.3 | 77.6 | 90.0 | 89.3 | 88.6 | 87.5 | | atients | Private | z | 2,872 | 692 | 1,304 | 1,742 | 438 | 1,288 | 237 | 0 | 8,573 |
| | | Public | z | 155,186 | 132,715 | 171,036 | 147,646 | 39,720 | 145,849 | 21,210 | 940 | 814,302 | | Sameday In-Patients | Public | z | 28,269 | 13,647 | 13,517 | 14,951 | 14,437 | 19,800 | 2,310 | 8 | 106,939 |
| | | | | Ireland East | RCSI | Dublin Midlands | South/South West | JN. | Saolta | Children's | No group [‡] | Total Discharges | | | | | Ireland East | RCSI | Dublin Midlands | South/South West | Th. | Saolta | Children's | No group [‡] | Total Discharges |

Notes:

Percentage columns are subject to rounding.

Discharges allocated to 'No group' are not referred to in the text of this report as they refer to the small group of discharges in non-acute hospitals and would not be considered to be comparable to other groups. See Appendix I for the list of hospitals by Group in 2020.

2.3.2 **Admission Source**

Admission source describes where the patient was admitted from. It does not refer to where an emergency or accident occurred. Table 2.8 disaggregates total discharges by patient type, admission type and admission source.

- The majority of total discharges were admitted from home (96.4 per cent).
- Of total emergency in-patients, 4.5 per cent were transferred in from another hospital.
- Over 13 per cent of elective in-patients were transferred from another hospital.

TABLE 2.8 Total Discharges: Admission Source by Patient Type and Admission Type (N, %)

| | Day Bati | o voto | | | In-Pati | ents | | | Total Disch | 0400 |
|------------------------------|-----------|--------|--------|------|---------|-------|--------|------|-------------|--------|
| | Day Patio | ents | Electi | ve | Emerge | encya | Materi | nity | Total Disch | iarges |
| | N | % | N | % | N | % | N | % | N | % |
| Home | 923,404 | 99.3 | 62,281 | 86.0 | 362,904 | 90.8 | 96,854 | 99.2 | 1,445,443 | 96.4 |
| Long stay accommodation | 981 | 0.1 | 281 | 0.4 | 9,235 | 2.3 | ~ | - | 10,498 | 0.7 |
| Transfer from other hospital | 5,446 | 0.6 | 9,767 | 13.5 | 17,893 | 4.5 | 632 | 0.6 | 33,738 | 2.2 |
| Other | 479 | 0.1 | 97 | 0.1 | 9,577 | 2.4 | * | _ | 10,266 | 0.7 |
| Total | 930,310 | 100 | 72,426 | 100 | 399,609 | 100 | 97,600 | 100 | 1,499,945 | 100 |

Notes:

Percentage columns are subject to rounding.

See Appendix IV for information on how the HIPE variable 'Admission Source' was grouped for this report.

- a HIPE includes patients who attended the Emergency Department and were subsequently admitted to hospital. As just a proportion of those attending the Emergency Department will subsequently be admitted to hospital, it is not possible to use emergency admissions reported to HIPE to draw conclusions about the total volume of activity in Emergency Departments.
- Denotes five or fewer discharges reported to HIPE.
- Further suppression required to prevent disclosure of five or fewer discharges.

2.3.3 **Discharge Destination**

Discharge destination identifies the destination of the discharge upon completion of their episode of care. Table 2.9 disaggregates total discharges by patient type, admission type and discharge destination.

- The majority of total discharges were discharged home (94.8 per cent).
- Of total emergency in-patients, 5.4 per cent were transferred to long stay accommodation, and 6.1 per cent were transferred to another hospital.

TABLE 2.9 Total Discharges: Discharge Destination by Patient Type and Admission Type (N, %)

| | Day Dati | a un tra | | | In-Pati | ents | | | Total Disch | 04200 |
|----------------------------|------------|----------|--------|------|---------|-------|--------|------|-------------|--------|
| | Day Pation | ents | Electi | ve | Emerge | encya | Mater | nity | Total Disch | larges |
| | N | % | N | % | N | % | N | % | N | % |
| Home | 922,612 | 99.2 | 66,271 | 91.5 | 336,751 | 84.3 | 95,978 | 98.3 | 1,421,612 | 94.8 |
| Long stay accommodation | 1,638 | 0.2 | 1,962 | 2.7 | 21,384 | 5.4 | * | - | 24,994 | 1.7 |
| Transfer to other hospital | 5,737 | 0.6 | 3,178 | 4.4 | 24,525 | 6.1 | 544 | 0.6 | 33,984 | 2.3 |
| Died | 0 | - | * | _ | 9,957 | 2.5 | ~ | - | 10,516 | 0.7 |
| Other | 323 | 0.0 | 457 | 0.6 | 6,992 | 1.7 | 1,067 | 1.1 | 8,839 | 0.6 |
| Total Discharges | 930,310 | 100 | 72,426 | 100 | 399,609 | 100 | 97,600 | 100 | 1,499,945 | 100 |

Notes:

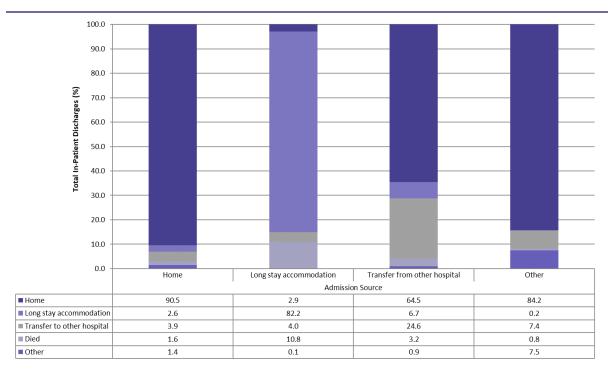
- Percentage columns are subject to rounding.
- See Appendix IV for information on how the HIPE variable 'Discharge Destination' was grouped for this report.
- a HIPE includes patients who attended the Emergency Department and were subsequently admitted to hospital. As just a proportion of those attending the Emergency Department will subsequently be admitted to hospital, it is not possible to use emergency admissions reported to HIPE to draw conclusions about the total volume of activity in Emergency
- Denotes five or fewer discharges reported to HIPE.
- Further suppression required to prevent disclosure of five or fewer discharges.

2.3.4 Admission Source by Discharge Destination

Figure 2.10 disaggregates the proportion of in-patient discharges by discharge destination and admission source.

- Of in-patients who were admitted from home, 90.5 per cent were discharged home.
- In-patients admitted from long stay accommodation were primarily discharged back to long stay accommodation (82.2 per cent).
- Just under a quarter of in-patients (24.6 per cent) who were admitted from another hospital were transferred to another hospital, while 64.5 per cent were discharged home.

FIGURE 2.10 In-Patient Discharges: Discharge Destination by Admission Source (%)



Notes:

See Appendix IV for information on how the HIPE variables 'Discharge Destination' and 'Admission Source' were grouped for this report.

Percentages are subject to rounding.

2.4 WHEN

Section 2.4 profiles when discharges were admitted to and discharged from hospital. Activity is presented by day of admission, day of discharge, and month of discharge for total discharges.

2.4.1 **Day of Admission**

Table 2.10 disaggregates total discharges by patient type, admission type, and day of admission (see also Figure 2.11).

Discharges

- Almost 60 per cent of elective in-patients were admitted between Monday and Wednesday, with only 7.0 per cent admitted at the weekend.
- The proportion of in-patient discharges admitted as emergency in-patients remained relatively constant throughout the week at approximately 16 per cent per day, but fell at weekends when approximately 10 per cent were admitted per day.
- The majority of day patients were admitted mid-week, ranging from 20.3 per cent on Wednesday to 3.0 per cent on Saturday and 1.2 per cent on Sunday.

Length of Stay²

- Mean length of stay for elective in-patients ranged from 6.8 days for those admitted on a Tuesday to 12.4 days for those admitted on a Saturday.
- Mean length of stay for emergency in-patients ranged from 5.9 days for those admitted on a Monday to 6.8 days for those admitted on a Saturday.

Where length of stay is analysed by admission type, a breakdown of sameday and overnight in-patient length of stay is not provided.

TABLE 2.10 Total Discharges: Patient Type and Admission Type by Day of Admission (N, % and In-Patient Length of Stay)

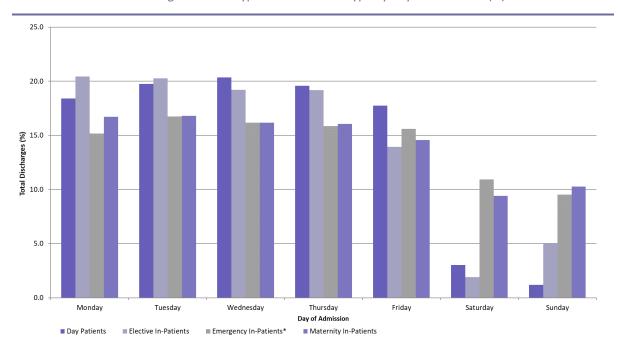
| | | | | | Disch | arges | | | | |
|------------|----------|------|--------|------|---------|------------------|--------|------|-------------|-------|
| | Day Pati | ents | | | In-Pat | ients | | | Total Disch | arges |
| | | | Electi | ve | Emerge | ncy ^a | Mater | nity | | |
| | N | % | N | % | N | % | N | % | N | % |
| Monday | 171,096 | 18.4 | 14,808 | 20.4 | 60,641 | 15.2 | 16,320 | 16.7 | 262,865 | 17.5 |
| Tuesday | 183,623 | 19.7 | 14,673 | 20.3 | 66,949 | 16.8 | 16,390 | 16.8 | 281,635 | 18.8 |
| Wednesday | 189,177 | 20.3 | 13,909 | 19.2 | 64,617 | 16.2 | 15,778 | 16.2 | 283,481 | 18.9 |
| Thursday | 182,150 | 19.6 | 13,890 | 19.2 | 63,379 | 15.9 | 15,667 | 16.1 | 275,086 | 18.3 |
| Friday | 165,027 | 17.7 | 10,089 | 13.9 | 62,279 | 15.6 | 14,223 | 14.6 | 251,618 | 16.8 |
| Saturday | 28,097 | 3.0 | 1,390 | 1.9 | 43,665 | 10.9 | 9,194 | 9.4 | 82,346 | 5.5 |
| Sunday | 11,140 | 1.2 | 3,667 | 5.1 | 38,079 | 9.5 | 10,028 | 10.3 | 62,914 | 4.2 |
| Total | 930,310 | 100 | 72,426 | 100 | 399,609 | 100 | 97,600 | 100 | 1,499,945 | 100 |
| Discharges | | | | | | | | | | |

| | | | | In-Pati | ent Leng | th of Stay | | | |
|-----------------------|------|--------|------|---------------------|----------|------------|---------|-------------|--------|
| | Ele | ctive | Emer | rgency ^a | Mat | ernity | Tota | al In-Patie | ents |
| | Mean | Median | Mean | Median | Mean | Median | N | Mean | Median |
| Monday | 7.0 | 2 | 5.9 | 2 | 2.5 | 2 | 91,769 | 5.5 | 2 |
| Tuesday | 6.8 | 2 | 6.2 | 2 | 2.5 | 2 | 98,012 | 5.6 | 2 |
| Wednesday | 7.2 | 2 | 6.1 | 2 | 2.5 | 2 | 94,304 | 5.7 | 2 |
| Thursday | 7.1 | 2 | 6.3 | 2 | 2.5 | 2 | 92,936 | 5.8 | 2 |
| Friday | 8.3 | 3 | 6.6 | 3 | 2.4 | 2 | 86,591 | 6.1 | 3 |
| Saturday | 12.4 | 5 | 6.8 | 3 | 2.1 | 2 | 54,249 | 6.2 | 3 |
| Sunday | 8.9 | 4 | 6.3 | 3 | 2.3 | 2 | 51,774 | 5.7 | 3 |
| In-Patient Discharges | 7.4 | 2 | 6.3 | 2 | 2.4 | 2 | 569,635 | 5.8 | 2 |

Notes:

Percentage columns are subject to rounding.

FIGURE 2.11 Total Discharges: Patient Type and Admission Type by Day of Admission (%)



Note: * See note under Table 2.10

a HIPE includes patients who attended the Emergency Department and were subsequently admitted to hospital. As just a proportion of those attending the Emergency Department will subsequently be admitted to hospital, it is not possible to use emergency admissions reported to HIPE to draw conclusions about the total volume of activity in Emergency Departments.

Day of Discharge 2.4.2

Table 2.11 disaggregates total discharges by patient type, admission type and day of discharge (see also Figure 2.12).

Discharges

- The proportion of elective in-patients discharged increased throughout the week, from 11.6 per cent on Monday to 22.1 per cent on Friday, falling to 10.1 per cent on Saturday and 4.8 per cent on Sunday.
- The largest proportion of emergency in-patients were discharged on Friday (20.0 per cent), with the smallest proportion discharged on Sunday (5.7 per cent).

Length of Stay³

- Elective in-patients discharged on a Monday had the longest in-patient mean length of stay (10.3 days).
- Emergency in-patient mean length of stay generally fell throughout the week from 7.0 days for those discharged on a Monday to 4.1 days for those discharged on a Sunday.

TABLE 2.11 Total Discharges: Patient Type and Admission Type by Day of Discharge (N, % and In-Patient Length of Stay)

| | | | | | Disch | arges | | | | |
|------------------|----------|------|--------|------|---------|-------|--------|------|-------------|-------|
| | Day Pati | ents | | | In-Pati | ents | | | Total Disch | arges |
| | | | Elect | ive | Emerge | encya | Mater | nity | | |
| | N | % | N | % | N | % | N | % | N | % |
| Monday | 171,096 | 18.4 | 8,371 | 11.6 | 62,101 | 15.5 | 14,305 | 14.7 | 255,873 | 17.1 |
| Tuesday | 183,623 | 19.7 | 11,250 | 15.5 | 67,075 | 16.8 | 13,200 | 13.5 | 275,148 | 18.3 |
| Wednesday | 189,177 | 20.3 | 12,808 | 17.7 | 68,974 | 17.3 | 13,298 | 13.6 | 284,257 | 19.0 |
| Thursday | 182,150 | 19.6 | 13,169 | 18.2 | 68,670 | 17.2 | 14,925 | 15.3 | 278,914 | 18.6 |
| Friday | 165,027 | 17.7 | 16,032 | 22.1 | 79,753 | 20.0 | 15,770 | 16.2 | 276,582 | 18.4 |
| Saturday | 28,097 | 3.0 | 7,298 | 10.1 | 30,303 | 7.6 | 13,670 | 14.0 | 79,368 | 5.3 |
| Sunday | 11,140 | 1.2 | 3,498 | 4.8 | 22,733 | 5.7 | 12,432 | 12.7 | 49,803 | 3.3 |
| Total Discharges | 930,310 | 100 | 72,426 | 100 | 399,609 | 100 | 97,600 | 100 | 1,499,945 | 100 |

| | | | | In-Pati | ent Leng | th of Stay | | | |
|-----------------------|------|--------|------|---------|----------|------------|---------|-------------|--------|
| | Ele | ctive | Emer | gencya | Mat | ernity | Tota | al In-Patie | ents |
| | Mean | Median | Mean | Median | Mean | Median | N | Mean | Median |
| Monday | 10.3 | 5 | 7.0 | 3 | 2.6 | 2 | 84,777 | 6.6 | 3 |
| Tuesday | 7.6 | 2 | 6.5 | 3 | 2.4 | 2 | 91,525 | 6.0 | 2 |
| Wednesday | 8.0 | 2 | 6.7 | 3 | 2.2 | 2 | 95,080 | 6.2 | 2 |
| Thursday | 6.9 | 2 | 6.5 | 2 | 2.2 | 2 | 96,764 | 5.9 | 2 |
| Friday | 7.3 | 2 | 6.3 | 3 | 2.3 | 2 | 111,555 | 5.9 | 2 |
| Saturday | 4.1 | 2 | 4.5 | 2 | 2.6 | 2 | 51,271 | 3.9 | 2 |
| Sunday | 6.2 | 3 | 4.1 | 2 | 2.6 | 2 | 38,663 | 3.8 | 2 |
| In-Patient Discharges | 7.4 | 2 | 6.3 | 2 | 2.4 | 2 | 569,635 | 5.8 | 2 |

Notes:

Percentage columns are subject to rounding.

a HIPE includes patients who attended the Emergency Department and were subsequently admitted to hospital. As just a proportion of those attending the Emergency Department will subsequently be admitted to hospital, it is not possible to use emergency admissions reported to HIPE to draw conclusions about the total volume of activity in Emergency Departments.

Where length of stay is analysed by admission type, a breakdown of sameday and overnight in-patient length of stay is not provided.

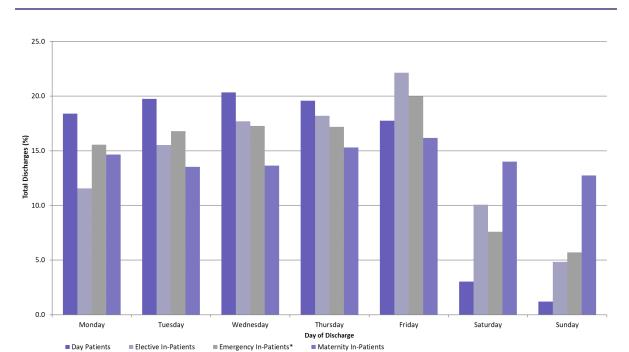


FIGURE 2.12 Total Discharges: Patient Type and Admission Type by Day of Discharge (%)

Note: * See note under Table 2.10

2.4.3 Month of Discharge

Figure 2.13 shows total discharges by month of discharge disaggregated by patient type and admission type. The data presented here highlights the fluctuations in discharges that were affected by COVID-19 in 2020. ⁴

- Hospital discharges peaked in February for elective in-patients (8,029 discharges), while April recorded the smallest number of elective in-patients with only 2,242 elective in-patients discharged in this month.
- Emergency in-patient hospital discharges peaked in January (37,996 discharges), while the smallest number of emergency in-patients were discharged in April with 25,423 discharges.
- Maternity in-patient discharges were highest in January (8,951 discharges) and lowest in April (7,195 discharges).

The Annex of this report includes a discussion and analysis of COVID-19 admissions in 2020.

110,000 100,000 90,000 80,000 Total Discharges (N) 70,000 60,000 50,000 40,000 30,000 20,000 10,000 0 January February March April Mav June July August September October November December → Day Patients 67.509 98.360 92,530 71.601 45.773 52.033 84.438 77.907 87.409 86.727 86.041 79.982 Elective In-Patients 7,216 8,029 6,054 2,242 3,037 4,298 6,879 6,709 7,391 7,287 6,864 6,420 Emergency In-Patients 37,996 34,680 31,988 25,423 31,563 33,620 36,312 33,626 34,718 33,958 31,956 33,769 Maternity 8,951 8,247 7,939 7,195 7,911 7,997 8,775 8,613 8,148 8,170 7,957 7,697

Total Discharges: Month of Discharge by Patient Type and Admission Type (N) **FIGURE 2.13**

Notes:

HIPE includes patients who attended the Emergency Department and were subsequently admitted to hospital. As just a proportion of those attending the Emergency Department will subsequently be admitted to hospital, it is not possible to use emergency admissions reported to HIPE to draw conclusions about the total volume of activity in Emergency

Includes 9,473 discharges admitted prior to 2020 and discharged in 2020.

Morbidity Analysis 2020

SECTION U

Table of Contents

| 3.1 | INTRO | DUCTION | 49 |
|-----|-------|---|----|
| 3.2 | CODIN | G OF DIAGNOSES AND PROCEDURES | 49 |
| | 3.2.1 | Definition of a Diagnosis | 53 |
| | 3.2.2 | Definition of a Procedure | 54 |
| 3.3 | Morb | DITY ANALYSIS: SUMMARY OF DAY PATIENT AND IN-PATIENT ACTIVITY | 56 |
| | 3.3.1 | Day Patient Activity | 56 |
| | 3.3.2 | In-Patient Activity | 58 |
| 3.4 | Morb | DITY ANALYSIS: TOTAL DISCHARGE ACTIVITY | 66 |
| | 3.4.1 | Total Discharges by Principal Diagnosis, Sex and Age Group | 66 |
| | 3.4.2 | In-Patient Mean and Median Length of Stay by Principal Diagnosis, Sex and Age Group | 66 |
| | 3.4.3 | All-Listed Diagnoses by Sex and Age Group | 67 |
| | 3.4.4 | Total Discharges by Principal Procedure, Sex and Age Group | 77 |
| | 3.4.5 | In-Patient Mean and Median Length of Stay by Principal Procedure, Sex and Age Group | 77 |
| | 3.4.6 | All-Listed Procedures by Sex and Age Group | 78 |

3.1 **INTRODUCTION**

Section Three focuses on the diagnoses and procedures recorded for total discharges reported to HIPE by acute public hospitals.^{1,2}

- Section 3.2 outlines the clinical coding process, the classification and definitions used in the assignment of diagnosis and procedure codes to a discharge, and analysis of the mean number of diagnoses and procedures reported for discharges.
- Section 3.3 provides a summary of related hospital activity. Top 20 diagnoses and procedure blocks, along with Top 10 Australian Refined Diagnosis Related Groups (AR-DRGs), are provided for day patient discharges and in-patient discharges (total, elective, emergency and maternity). Demographic data, including sex and age group, and administrative analyses including mode of emergency admission (for emergency in-patients only) are also presented.
- Section 3.4 provides details of the diagnoses and procedures reported for total discharges, by sex and age group. The mean and median length of stay for total in-patient discharges is presented for principal diagnoses and principal procedures.

3.2 **CODING OF DIAGNOSES AND PROCEDURES**

Coding of HIPE hospital activity is performed by the HIPE clinical coder who translates medical terminology into alpha-numeric codes. The clinical coder performs an essential function in providing high quality, accurate, and uniform medical information. The HPO is responsible for the training of all clinical coders nationally.^{3,4} Since 2014, the HPO have delivered certification courses for clinical coders in collaboration with, and accredited by, the School of Computing in the Technological University Dublin (formally Dublin Institute of Technology). To date, over 100 clinical coders have achieved this certification.

The source document for coding for the HIPE system is the medical record or chart which can be in paper or electronic format. The clinical coder uses the entire chart to extract the conditions and procedures to provide a complete record of the patient and their hospital stay. In addition to the discharge summary or letter, additional documentation referenced for coding a case

The National Psychiatric In-Patient Reporting System, supported by the Health Research Board, reports information on all admissions to psychiatric hospitals and units nationally.

The calculation of total in-patient length of stay differs in this report compared to reports prior to 2018. Since 2018, the length of stay assigned for sameday in-patients has changed from one bed day to 0.5 bed days. This will impact on the total in-patient length of stay resulting in a lower average length of stay compared to years prior to 2018 (see Section 1.6).

There are currently approximately 300 clinical coders working full time and part time across all HIPE hospitals.

For further information on training programmes see www.hpo.ie

include; nursing notes, consultation reports, progress notes, operative reports, pre- and post-operative reports, pathology reports and, more recently, the sepsis form. Appendix III shows the HIPE Data Entry Form for 2020, which details the information that is collected and coded for each hospital discharge. No interpretation of test results may be undertaken by the clinical coder and all diagnoses and procedures recorded must be documented by a clinician in the chart.⁵

All HIPE data are entered in the hospital using the HIPE Portal data entry system which runs an extensive number of validation edit checks to ensure the quality of the data. Other data quality activities and data quality tools are in use at local and national HPO level.6,7

At the start of 2020, the classification used to code clinical information was updated from the 8th Edition to the 10th Edition of the International Statistical Classification of Diseases and Related Health Problems, Tenth Revision, Australian Modification (ICD-10-AM), Australian Classification of Health interventions (ACHI), Australian Coding Standards (ACS).^{8,9,} Details of the ICD-10-AM diagnosis and ACHI procedure coding scheme are provided in Tables 3.1 and 3.2. ACS are developed to provide guidance in the application of ICD-10-AM and ACHI codes. Coding standards are provided with general guidelines and are categorised by site and/or body system according to the clinical specialty to which a disease or procedure relates. Use of ICD-10-AM/ACHI/ACS is complemented by the Irish Coding Standards (ICS); these are revised as required to reflect changing clinical practice and to ensure the classification and its application are relevant to the Irish Healthcare system. 10

Due to the update in the classification, caution must be exercised when comparing procedure and diagnosis categories presented in reports from 2020 onwards to previous reports. Updates may include changes in sequencing of codes, addition of new codes, deletion of codes, and updates to ACS and ICS. 11

This instruction is covered in ICS 0048: General Abstraction Guidelines, see www.hpo.ie for the current version of the Irish Coding Standards.

In 2015, the HSE engaged Pavilion Health Australia Pty Ltd. by competitive tender to undertake a review of the quality of HIPE data in order to assess whether the quality of the data was sufficient to support the introduction of Activity Based Funding (ABF). The final report is available at www.hpo.ie

In 2018, a commercial data quality tool, Performance Indicators of Coding Quality (PICQ), was procured by the HSE for use both locally in the hospitals and at a national level in the HPO.

Australian Consortium for Classification Development (ACCD), 2017: The International Statistical Classification of Diseases and Related Health Problems, Tenth Revision, Australian Modification (ICD-10-AM), and Australian Classification of Health Interventions (ACHI) and Australian Coding Standards (ACS) – ICD-10-AM/ACHI/ACS (10th Ed)-Adelaide: Independent Hospital Pricing Authority (IHPA), Lane Publishing.

The spelling conventions of ICD-10-AM comply with the Macquarie Dictionary, as recommended by the Australian government style manual.

Irish Coding Standards (ICS) provide guidelines for the collection of HIPE data for all discharges and are to be used in conjunction with 10th Edition ICD-10-AM/ACHI/ACS and the relevant HIPE Instruction Manual. For further information, see www.hpo.ie

See Appendix VII for an overview of changes from ICD-10-AM/ACHI/ACS 8th edition (in use from 2015-2019) to 10th Edition (in use from 1st January 2020).

Table 3.1 provides details of the structure of ICD-10-AM diagnosis codes and presents the chapter structure for these ICD-10-AM diagnosis codes.

TABLE 3.1 ICD-10-AM Diagnosis Codes, Chapter and Title

ICD-10-AM Diagnosis Codes

The 'core' disease classification of ICD-10-AM is the three character code, which is the mandatory level of coding for international reporting to the World Health Organization (WHO) for general international comparisons. This core set of codes has been expanded to four and five character codes so that important specific disease entities can be identified, while also maintaining the ability to present data in broad groups to enable useful and understandable information to be obtained.

The ICD-10-AM is a variable-axis classification. Its structure is designed principally to facilitate epidemiological analysis. Diseases are organised in the following groups: epidemic diseases; constitutional or general diseases; local disease arranged by site; developmental diseases; and injuries.

Most of the tabular is taken up with the main disease classification composed of 22 chapters. The first character of the ICD-10-AM code is a letter, and each letter is associated with a particular chapter, except for the letter D, which spans both Chapter 2 Neoplasms and Chapter 3 Diseases of the blood and blood-forming organs and certain disorders involving the immune mechanism, and the letter H, which is used in both Chapter 7 Diseases of the eye and adnexa and Chapter 8 Diseases of the ear and mastoid process. Four chapters (Chapters 1, 2, 19 and 20) use more than one letter in the first position of their codes.

WHO intends the codes U00-U99 to be used for provisional assignment of new diseases of uncertain aetiology, for emergency use and for specific research purposes. U50-U73 are used in ICD-10-AM to classify activity and U90 classifies healthcare associated infections. Emergency use codes from U00-U99 have been used to identify Covid-19; including, but not limited to, U07.1 Emergency use of U07.1 [COVID-19, virus identified] and U07.2 Emergency use of U07.2 (COVID-19, virus not identified).

| Chapter and Title | | Code Prefix | Chapter and Title | | Code Prefix |
|-------------------|--|----------------|-------------------|---|---------------------|
| 1 | Certain infectious and parasitic diseases | А, В | 12 | Diseases of the skin and subcutaneous tissue | L |
| 2 | Neoplasms | C, D | 13 | Diseases of the musculoskeletal system and connective tissue | М |
| 3 | Diseases of the blood and blood- forming organs and certain disorders involving the immune mechanism | D | 14 | Diseases of the genitourinary system | N |
| 4 | Endocrine, nutritional and metabolic diseases | E | 15 | Pregnancy, childbirth and the puerperium | 0 |
| 5 | Mental and behavioural disorders | F | 16 | Certain conditions originating in the perinatal period | Р |
| 6 | Diseases of the nervous system | G | 17 | Congenital malformations, deformations and chromosomal abnormalities | Q |
| 7 | Diseases of the eye and adnexa | Н | 18 | Symptoms, signs and abnormal clinical and laboratory findings, not elsewhere classified | R |
| 8 | Diseases of the ear and mastoid process | Н | 19 | Injury, poisoning and certain other consequences of external causes | S, T |
| 9 | Diseases of the circulatory system | I | 20 | External causes of morbidity and mortality | U, V, W, X, Y |
| 10 | Diseases of the respiratory system | J | 21 | Factors influencing health status and contact with health services | Z |
| 11 | Diseases of the digestive system | K | 22 | Codes for special purposes | U |

Source: Australian Consortium for Classification Development (ACCD), 2017: Australian Coding Standards (ACS) – ICD-10-AM/ACHI/ACS (10th Ed)- Adelaide: Independent Hospital Pricing Authority (IHPA), Lane Publishing.p. xiv.

Table 3.2 provides details of the structure of ACHI procedure codes and presents the chapter structure for these ACHI procedure codes.

TABLE 3.2 Australian Classification of Health Interventions (ACHI), Chapter and Title

Australian Classification of Health Interventions (ACHI)

The Australian Classification of Health Interventions (ACHI) was first developed by the National Centre for Classification in Health (NCCH) (the previous custodians of ICD-10-AM/ACHI/ACS) and is generally based on the Commonwealth Medicare Benefits Schedule (MBS).

The main features of the classification are:

- 1) The procedure classification captures procedures and interventions performed in public and private hospitals, day centres and ambulatory settings. Allied health interventions, dental services and procedures performed outside the operating theatre are included.¹²
- 2) The intervention classification has been based on the Commonwealth Medicare Benefits Schedule (MBS) (with some exceptions). A two digit extension number has been attached to each MBS item number to represent individual procedural concepts (e.g., 36564-00). Other ACHI procedures and interventions which are not represented in MBS are allocated a code number from the 90000 series. Note: 97000 code numbers are reserved for dental services.
- 3) The structure of the procedure classification is based on anatomy rather than surgical specialty. Chapters closely follow the chapter headings of the WHO ICD-10 to maintain parity with the disease classification.
- 4) Nonsurgical procedures are listed separately from the surgical procedures, whenever feasible.
- 5) A hierarchical structure with the following axes:
 - First level anatomical site axis
 - Second level procedure type axis
 - Third level block axis
- Inclusion of many more procedures which can be utilised in non-institutional settings, such as community based health and ambulatory care.
- 7) The interventions in the procedure classification are provider neutral. That is, the same code should be assigned for a specific intervention regardless of which health professional performs the intervention.

| Chapter and Title | | Chapter and Title | | |
|-------------------|--|-------------------|---|--|
| 1 | Procedures on nervous system | 11 | Procedures on urinary system | |
| 2 | Procedures on endocrine system | 12 | Procedures on male genital organs | |
| 3 | Procedures on eye and adnexa | 13 | Gynaecological procedures | |
| 4 | Procedures on ear and mastoid process | 14 | Obstetric procedures | |
| 5 | Procedures on nose, mouth and pharynx | 15 | Procedures on musculoskeletal system | |
| 6 | Dental services | 16 | Dermatological and plastic procedures | |
| 7 | Procedures on respiratory system | 17 | Procedures on breast | |
| 8 | Procedures on cardiovascular system | 18 | Radiation oncology procedures | |
| 9 | Procedures on blood and blood-forming organs | 19 | Non-invasive, cognitive and other interventions, not elsewhere classified | |
| 10 | Procedures on digestive system | 20 | Imaging services | |
| | | | | |

Sources: Australian Consortium for Classification Development (ACCD), 2017: Australian Coding Standards (ACS) (10th Ed) - Adelaide: Independent Hospital Pricing Authority (IHPA), Lane Publishing p. xv.

Australian Consortium for Classification Development (ACCD), 2017: Australian Classification of Health Interventions (ACHI) (10th Ed) - Adelaide: Independent Hospital Pricing Authority (IHPA), Lane Publishing, p. iii.

3.2.1 **Definition of a Diagnosis**

In 2020, HIPE collected a principal diagnosis for each discharge, together with up to 29 additional diagnosis codes.

DIAGNOSES

A principal diagnosis is defined as, 'the diagnosis established after study to be chiefly responsible for occasioning an episode of admitted patient care, an episode of residential care or an attendance at the healthcare establishment, as represented by a code'. 13

An additional diagnosis is defined as, 'a condition or complaint either coexisting with the principal diagnosis or arising during the episode of admitted patient care, episode of residential care or attendance at a health care establishment, as represented by a code' and may be used as an indication of the level of comorbidity. 14

Additional diagnoses are interpreted as conditions that affect patient management in terms of requiring commencement, alteration or adjustment of therapeutic treatment, diagnostic procedures, increased clinical care, and/or monitoring.

3.2.1.1 Mean Number of Diagnoses Reported

Table 3.3 outlines the mean number of diagnoses collected for day patient, inpatient, and total discharges, by sex and age group.

- The mean number of diagnoses recorded for total discharges was 2.9.
- The mean number of diagnoses recorded for in-patient discharges was 4.2, compared to 2.0 for day patients.
- The mean number of diagnoses recorded for in-patient discharges was higher for males (4.5) compared with females (4.0).
- The mean number of diagnoses recorded for in-patient discharges increased with age ranging from 2.9 in the less than 15 years age group to 5.3 in the 65 years and over age group.

TABLE 3.3 Total Discharges: Mean Number of All-Listed Diagnoses by Patient Type, Sex and Age Group

| | Day Patients | In-Patients | Total Discharges |
|-------------------|--------------|-------------|------------------|
| Total | 2.0 | 4.2 | 2.9 |
| Sex | | | |
| Male | 2.0 | 4.5 | 2.9 |
| Female | 2.0 | 4.0 | 2.9 |
| Maternity | 2.0 | 3.9 | 3.6 |
| Non-Maternity | 2.0 | 4.1 | 2.7 |
| Age Group | | | |
| < 15 Years | 1.7 | 2.9 | 2.5 |
| 15–44 Years | 1.8 | 3.6 | 2.7 |
| 45–64 Years | 2.1 | 4.1 | 2.6 |
| 65 Years and Over | 2.1 | 5.3 | 3.2 |

Australian Consortium for Classification Development (ACCD), 2017: Australian Coding Standards (ACS) (10th Ed) -Adelaide: Independent Hospital Pricing Authority (IHPA), Lane Publishing. p. 1.

Australian Consortium for Classification Development (ACCD), op. cit., p. 4.

3.2.2 Definition of a Procedure

In 2020, a principal procedure and up to 19 additional procedure codes for each discharge could be reported to HIPE where appropriate.

PROCEDURES

The classification of procedures in ICD-10-AM uses the Australian Classification of Health Interventions (ACHI). ¹⁵ Procedures are coded in HIPE in accordance with the following hierarchy:

- procedure performed for treatment of the principal diagnosis
- procedure performed for treatment of an additional diagnosis
- diagnostic/exploratory procedure related to the principal diagnosis
- diagnostic/exploratory procedure related to an additional diagnosis for the episode of care.¹⁶

A key feature of the ACHI procedure classification is a seven-character code in the format xxxxx-xx. The structure is organised on an anatomical basis and thus does not always appear in numerical order. Procedure blocks were introduced to provide a sequential framework for both coding and reporting purposes. The blocks represent homogenous groups of procedures, while the seven-digit codes allow for greater detail. ¹⁷ For example, procedure block 0732 represents 'direct closure of vein', containing the procedures 'direct closure of renal vein' (33833-04) and 'direct closure of vena cava' (90215-02). In this report, tables have been produced using the block framework. ¹⁸

3.2.2.1 Discharges with a Procedure

Table 3.4 provides details of the number and percentage of discharges that had a principal procedure recorded by patient type and admission type.

- Of the 1,499,945 total discharges, principal procedures were recorded for 1,194,248 discharges (79.6 per cent).
- 92 per cent of day patient discharges had a principal procedure recorded.
- Over 59 per cent of in-patient discharges had a principal procedure recorded, with 89.2 per cent of elective in-patients, 52.6 per cent of emergency in-patients, and 65.5 per cent of maternity in-patients undergoing a principal procedure.

Australian Consortium for Classification Development (ACCD), 2017: Australian Classification of Health Interventions (ACHI) (10th Ed) - Adelaide: Independent Hospital Pricing Authority (IHPA), Lane Publishing.

Australian Consortium for Classification Development (ACCD), 2017: Australian Coding Standards (ACS) (10th Ed) - Adelaide: Independent Hospital Pricing Authority (IHPA), Lane Publishing.

Australian Consortium for Classification Development (ACCD), 2017: Australian Classification of Health Interventions (ACHI) (10th Ed) - Adelaide: Independent Hospital Pricing Authority (IHPA), Lane Publishing.

The move to the ACHI introduced significant changes to the collection of procedures from 2005, including the use of Australian Coding Standard (ACS) 0042 *Procedures normally not coded* (see Appendix V).

TABLE 3.4 Total Discharges: Number and Percentage of Discharges with a Principal Procedure by Patient Type and Admission Type

| | Total Discharges | Total Discharges with a Principal Procedure | | |
|-----------------------|------------------|---|------|--|
| | N | N | % | |
| Total Discharges | 1,499,945 | 1,194,248 | 79.6 | |
| Day Patients | 930,310 | 855,714 | 92.0 | |
| In-Patients | 569,635 | 338,534 | 59.4 | |
| Elective In-Patients | 72,426 | 64,571 | 89.2 | |
| Emergency In-Patients | 399,609 | 210,014 | 52.6 | |
| Maternity In-Patients | 97,600 | 63,949 | 65.5 | |

3.2.2.2 Mean Number of Procedures Reported

Table 3.5 outlines the mean number of procedures reported for day patients, inpatients and total discharges, by sex and age group. The calculation of mean procedures is based on discharges with at least one procedure reported to HIPE.¹⁹

- For those discharges who underwent at least one procedure, in-patient discharges had a mean number of 3.0 procedures recorded, compared to a mean of 1.4 procedures for day patients.
- While the mean number of procedures increased with age for in-patient discharges, the day patient pattern differed. For those undergoing a procedure, day patient discharges aged less than 15 years recorded a mean of 1.8 procedures, which was larger than that reported for older age groups.

TABLE 3.5 Total Discharges: Mean Number of All-Listed Procedures by Patient Type, Sex and Age Group

| | Day Patients | In-Patients | Total Discharges |
|-------------------|--------------|-------------|------------------|
| Total | 1.4 | 3.0 | 1.9 |
| Sex | | | |
| Male | 1.4 | 3.0 | 1.8 |
| Female | 1.5 | 3.0 | 2.0 |
| Maternity | 1.5 | 3.2 | 3.1 |
| Non-Maternity | 1.5 | 2.9 | 1.8 |
| Age Group | | | |
| < 15 Years | 1.8 | 2.8 | 2.3 |
| 15–44 Years | 1.4 | 2.9 | 2.0 |
| 45–64 Years | 1.4 | 3.0 | 1.7 |
| 65 Years and Over | 1.4 | 3.1 | 1.8 |

Includes all anaesthesia except local anaesthesia. See ACS 0031 Anaesthesia in Australian Consortium for Classification Development (ACCD), 2017: Australian Coding Standards (ACS) (10th Ed) - Adelaide: Independent Hospital Pricing Authority (IHPA), Lane Publishing p.36.

3.3 MORBIDITY ANALYSIS: SUMMARY OF DAY PATIENT AND IN-PATIENT ACTIVITY

Section 3.3 provides a summary of the day patient and in-patient hospital activity reported to HIPE. This analysis reports on the most commonly recorded diagnoses, procedure blocks and diagnosis related groups, as well as providing demographic and administrative information for these discharges.

3.3.1 **Day Patient Activity**

A day patient is admitted to hospital for treatment on an elective (rather than an emergency) basis and is discharged alive, as scheduled, on the same day. Deliveries are not included. Table 3.6 presents a summary of day patient activity reported to HIPE.

Day Patients - Profile

- Day patient discharges accounted for 62.0 per cent of total discharges.
- Day patients aged 65 years or over accounted for 41.6 per cent of day patient discharges.

Day Patients – Top 20 Principal Diagnoses

Day patients with a principal diagnosis of Other medical care (includes Chemotherapy and Radiotherapy encounters) and those with a principal diagnosis of Care involving dialysis accounted for 22.5 and 19.3 per cent of day patient discharges respectively.

Day Patients – Top 20 Principal Procedure Blocks

- A principal procedure was recorded for 92.0 per cent of day patient discharges (see Table 3.4).
- Procedures from the block *Haemodialysis* were reported as a principal procedure for 21.0 per cent of day patients with at least one procedure recorded.

Day Patients – Top 10 Australian Refined Diagnosis Related Groups (AR-DRGs)

- The top three AR-DRGs accounted for 41.1 per cent of day patient discharges reported to HIPE when analysed by diagnosis related group.²⁰
- Haemodialysis accounted for 19.3 per cent, while Chemotherapy and Other Neoplastic Disorders, Minor Complexity accounted for 11.7 per cent and 10.1 per cent of day patient discharges respectively.

TABLE 3.6 Day Patient Activity (N, %)

| Z51 Othe Z49 Care H35 Othe | יטף גט דוווינון אמו עומפווטיפט | z | 2 | Day P | Day Patients | | Top 20 P | Top 20 Principal Procedure Blocks ^b | z | % |
|----------------------------------|--|---------|------|-------------|--------------|------|----------|---|---------|------|
| | Other medical care ^c | 209,664 | 22.5 | | | | 1060 | Haemodialysis | 179,767 | 21.0 |
| _ | Care involving dialysis | 179,909 | 19.3 | 026 | 930 310 | | 1920 | Administration of pharmacotherapy | 161,610 | 18.9 |
| | Other retinal disorders | 25,968 | 2.8 |) |) (| | 1788 | Megavoltage radiation treatment | 94,618 | 11.1 |
| E83 Disor | Disorders of mineral metabolism | 16,448 | 1.8 | | | | 1008 | Panendoscopy with excision | 32,677 | 3.8 |
| K50 Croh | Crohn's disease [regional enteritis] | 13,021 | 1.4 | Sex | z | % | 020 | Application, insertion or removal procedures on retina, | 31,804 | 3.7 |
| K51 Ulcer | Ulcerative colitis | 11,089 | 1.2 | Male | 473,595 | 50.9 | | choroid or posterior chamber | | |
| Z13 Spec | Special screening examination for other diseases and | 10,741 | 1.2 | Female | 456,715 | 49.1 | 0911 | Fibreoptic colonoscopy with excision | 29,725 | 3.5 |
| disor | disorders | | | | | | 1620 | Excision of lesion of skin and subcutaneous tissue | 26,328 | 3.1 |
| C44 Othe | Other malignant neoplasms of skin | 10,715 | 1.2 | | | | 0902 | Fibreoptic colonoscopy | 19,514 | 2.3 |
| L40 Psori | Psoriasis | 8,338 | 6.0 | | | | 1893 | Administration of blood and blood products | 19,362 | 2.3 |
| K29 Gastı | Gastritis and duodenitis | 8,187 | 6.0 | | | | 0725 | Other incision procedures on veins | 16,110 | 1.9 |
| D12 Benig | Benign neoplasm of colon, rectum, anus and anal canal | 8,116 | 6.0 | Age Group | z | % | 1552 | Administration of agent into other musculoskeletal s | 15,888 | 1.9 |
| M54 Dors | Dorsalgia | 6,894 | 0.7 | < 1 Year | 2,777 | 0.3 | | sites | | |
| Z48 Othe | Other surgical follow-up care | 998′9 | 0.7 | 1–14 Years | 32,748 | 3.5 | 1089 | Examination procedures on bladder | 11,717 | 1.4 |
| C50 Malig | Malignant Neoplasms of Breast | 6,832 | 0.7 | 15–24 Years | 32,074 | 3.4 | 1610 | Ultraviolet B [UVB] light therapy of skin | 10,278 | 1.2 |
| Z08 Follo | Follow-up examination after treatment for malignant | 6,539 | 0.7 | 25-34 Years | 59,411 | 6.4 | 0200 | Extraction of crystalline lens | 7,897 | 6.0 |
| neop | neoplasm | | | 35-44 Years | 103,149 | 11.1 | 1798 | Radiation field setting | 6,789 | 0.8 |
| R10 Abdc | Abdominal and pelvic pain | 5,938 | 9.0 | 45-54 Years | 134,633 | 14.5 | 8990 | Coronary angiography | 6,379 | 0.7 |
| G35 Mult | Multiple sclerosis | 5,806 | 9.0 | 55-64 Years | 178,496 | 19.2 | 1618 | Biopsy of skin and subcutaneous tissue | 9/0/9 | 0.7 |
| K57 Diver | Diverticular disease of intestine | 5,768 | 9.0 | 65-74 Years | 212,461 | 22.8 | 1005 | Panendoscopy | 5,759 | 0.7 |
| Z09 Follo | Follow-up examination after treatment for conditions other | 5,547 | 9.0 | 75-84 Years | 140,819 | 15.1 | 1259 | Examination procedures on uterus | 4,745 | 9.0 |
| than | than malignant neoplasms | | | 85 Years | 33,742 | 3.6 | 1824 | Other assessment, consultation, interview, examination or | 4,626 | 0.5 |
| M25 Othe | Other joint disorders, not elsewhere classified | 5,511 | 9.0 | and Over | | | | evaluation | | |

| Hospital Group | z | % |
|------------------|---------|------|
| Ireland East | 168,534 | 18.1 |
| RCSI | 142,366 | 15.3 |
| Dublin Midlands | 201,907 | 21.7 |
| South/South West | 179,447 | 19.3 |
| UL | 51,160 | 5.5 |
| Saolta | 162,095 | 17.4 |
| Children's | 23,740 | 2.6 |
| No group | 1,061 | 0.1 |
| | | |

| Top 10 A | Top 10 AR-DRGs | z | % |
|----------|---|---------|------|
| L61Z | Haemodialysis | 179,667 | 19.3 |
| R63Z | Chemotherapy | 108,796 | 11.7 |
| R62C | Other Neoplastic Disorders, Minor Complexity | 93,868 | 10.1 |
| G48B | Colonoscopy, Minor Complexity | 37,219 | 4.0 |
| C03B | Retinal Procedures, Minor Complexity | 30,494 | 3.3 |
| Z64B | Other Factors Influencing Health Status, Minor Complexity | 30,236 | 3.2 |
| 140Z | Infusions for Musculoskeletal Disorders, Sameday | 27,835 | 3.0 |
| G47C | Gastroscopy, Minor Complexity | 25,822 | 2.8 |
| J11B | Other Skin, Subcutaneous Tissue and Breast Procedures, Minor Complexity | 25,511 | 2.7 |
| G64B | Inflammatory Bowel Disease, Minor Complexity | 20,831 | 2.2 |
| | | | |

Percentage columns are subject to rounding. Notes:

ICD-10-AM diagnosis codes are analysed at three-character level.
ACHI Procedure codes are analysed at block level. The percentage (%) is based on day patients with principal procedure reported.

Other medical care includes chemotherapy and radiotherapy encounters.

c Q o

3.3.2 In-Patient Activity

An in-patient is admitted to hospital for treatment or investigation on an elective or emergency basis. Sameday in-patients are admitted as in-patients and discharged on the same day, while overnight in-patients stay at least one night in hospital. Table 3.7 presents a summary of in-patient activity reported to HIPE.

In-Patients - Profile

- In-patient discharges accounted for 38.0 per cent of total discharges.
- Overnight in-patient discharges accounted for 79.7 per cent of in-patient discharges and had a mean length of stay of 7.1 days.

In-Patients – Top 20 Principal Diagnoses

- In-patient discharges with a principal diagnosis of Single spontaneous delivery accounted for 4.4 per cent of in-patient discharges.
- In-patient discharges with a principal diagnosis of Pain in throat and chest accounted for 3.2 per cent of in-patient discharges while those with a principal diagnosis of Single delivery by caesarean section accounted for 3.0 per cent of in-patient discharges.

In-Patients – Top 20 Principal Procedure Blocks

- A principal procedure was recorded for 59.4 per cent of total in-patient discharges (see Table 3.4).
- Procedures from the block Generalised allied health interventions were reported for 30.6 per cent of in-patient discharges with at least one procedure reported.²¹

In-Patients – Top 10 Australian Refined Diagnosis Related Groups (AR-DRGs)

- The top three AR-DRGs accounted for 9.7 per cent of in-patient discharges when analysed by diagnosis related group. 22,23
- Antenatal and Other Obstetric Admissions, Minor Complexity accounted for 4.2 per cent of in-patient discharges. Vaginal Delivery, Intermediate Complexity and Chest Pain, Minor Complexity accounted for 2.9 per cent and 2.6 per cent of in-patient discharges respectively.

²¹ This block includes interventions such as physiotherapy, pharmacy, dietetics, occupational therapy, speech pathology, social work and diabetes education. Together, these seven interventions accounted for 97.5 per cent of cases within this procedure block.

See Section Four for details of the case mix classification.

²³ In 2015, the AR-DRG classification was updated from AR-DRG Version 6.0 to AR-DRG Version 8.0. See Appendix VIII for an overview of changes between Version 6.0 and Version 8.0 of the AR-DRG Classification System.

TABLE 3.7 In-Patient Activity (N, %, Mean and Median Length of Stay)

| | | | | ľ | | | | | | | | | ľ | |
|--------|---|--------|-----|-------------|------------|----------------|-------------|-----------------|---------|--|---------|------|-------------|------------|
| Top 20 | Top 20 Principal Diagnoses ^a | z | % | Mean LOS | Med LOS | In-Pai | In-Patients | Тор | 20 Prin | Top 20 Principal Procedure Blocks ^b | z | % | Mean LOS | Med LOS |
| 080 | Single spontaneous delivery | 25,300 | 4.4 | 2.3 | 2 | | 1 | 19 | 1916 G | Generalised allied health | 103,454 | 30.6 | 10.9 | 9 |
| R07 | Pain in throat and chest | 18,245 | 3.2 | 1.5 | ⊣ | 269 | 569,635 | | .⊑ | interventions | | | | |
| 082 | Single delivery by caesarean section | 17,328 | 3.0 | 4.0 | 4 | |) | 13 | 1336 Sp | Spontaneous vertex delivery ^c | 25,232 | 7.5 | 2.4 | 2 |
| N39 | Other disorders of urinary system | 12,073 | 2.1 | 8.7 | 2 | | | 13 | 1340 Ca | Caesarean section | 19,554 | 5.8 | 4.6 | 4 |
| 144 | Other chronic obstructive pulmonary disease | 11,156 | 2.0 | 7.5 | 2 | Discharges | % N | 19 | 1920 A | Administration of pharmacotherapy | 8,779 | 5.6 | 7.8 | 4 |
| 660 | Other maternal diseases classifiable | 10,828 | 1.9 | 1.3 | ⊣ | Total 5 | 569,635 | 100 18 | 1893 A | Administration of blood and blood | 8,729 | 5.6 | 9.5 | 2 |
| | elsewhere but complicating pregnancy, | | | | | Sameday 1 | 115,512 | 20.3 | ā | products | | | | |
| | childbirth and the puerperium | | | | | Overnight 4 | 454,123 | 79.7 13 | 1338 Vi | Vacuum assisted delivery | 5,958 | 1.8 | 3.1 | က |
| 118 | Pneumonia, organism unspecified | 9,323 | 1.6 | 10.6 | 9 | | | 10 | 1008 Pa | Panendoscopy with excision | 5,904 | 1.7 | 10.1 | 9 |
| R10 | Abdominal and pelvic pain | 9,153 | 1.6 | 1.8 | ⊣ | | | 0570 | | Noninvasive ventilatory support | 5,653 | 1.7 | 15.0 | 6 |
| 122 | Unspecified acute lower respiratory infection | 8,993 | 1.6 | 7.0 | 4 | Length of Stay | Mean Median | | 0926 A | Appendicectomy | 5,517 | 1.6 | 3.2 | 2 |
| R55 | Syncope and collapse | 8,272 | 1.5 | 4.4 | 2 | Total | 5.8 | 2 14 | 1489 A | Arthroplasty of hip | 4,439 | 1.3 | 9.6 | 2 |
| 081 | Single delivery by forceps and vacuum | 7,385 | 1.3 | 3.0 | æ | Overnight | 7.1 | 3 06 | O668 Co | Coronary angiography | 4,325 | 1.3 | 5.2 | 33 |
| | extractor | | | | | | | 0030 | | Lumbar puncture | 3,925 | 1.2 | 10.0 | 2 |
| 150 | Heart failure | 6,633 | 1.2 | 10.3 | 7 | | | 0671 | | Transluminal coronary angioplasty | 3,434 | 1.0 | 3.8 | 2 |
| R51 | Headache | 6,118 | 1.1 | 1.8 | Т | Bed Days | z | | > | with stenting | | | | |
| 121 | Acute myocardial infarction | 5,877 | 1.0 | 6.1 | 4 | Total | 3,282,359 | 329 0569 | | Ventilatory support | 3,259 | 1.0 | 23.4 | 11 |
| R06 | Abnormalities of breathing | 5,871 | 1.0 | 2.1 | ⊣ | Overnight | 3,224,603 | | 1265 Ci | Curettage and evacuation of uterus | 2,694 | 8.0 | 1.2 | П |
| 148 | Atrial fibrillation and flutter | 5,778 | 1.0 | 4.0 | 2 | | | 0911 | | Fiberoptic colonoscopy with | 2,581 | 8.0 | 9.6 | 9 |
| K35 | Acute appendicitis | 2,608 | 1.0 | 3.4 | 7 | | | | â | excision | | | | |
| S72 | Fracture of femur | 5,410 | 6.0 | 17.0 | 11 | | | 10 | 1005 Pa | Panendoscopy | 2,435 | 0.7 | 12.7 | 7 |
| K80 | Cholelithiasis | 5,401 | 6.0 | 5.6 | ĸ | | | 18 | 1872 A | Alcohol and drug rehabilitation and | 2,324 | 0.7 | 7.1 | က |
| 163 | Cerebral Infarction | 5,299 | 6.0 | 16.8 | ∞ | | | | ŏ | detoxification | | | | |
| | | | | | | | | 60 | 0965 CI | Cholecystectomy | 2,212 | 0.7 | 4.2 | 7 |
| | | | | | | | | 18 | 1823 N | Mental, behavioural or psychosocial | 2,169 | 9.0 | 6.7 | 2 |
| | | | | | | | | | | 4 | | | | |

assessment

| Hospital Group | z | % |
|------------------|---------|------|
| Ireland East | 124,410 | 21.8 |
| | 88,392 | 15.5 |
| Dublin Midlands | 84,863 | 14.9 |
| South/South West | 103,868 | 18.2 |
| | 49,108 | 8.6 |
| Saolta | 97,496 | 17.1 |
| Children's | 18,410 | 3.2 |
| No group | 3,088 | 0.5 |
| | | |
| | | |
| | | |
| | | |

| Top 10, | | 066B | 060B | | F74B | O60C | 001C | E62A | | 066A | | 8778 | 001B | | F73B |
|---------|---------|---------|-----------|----------|------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|----------|----------|------|
| | 2 | 80 | | 3.6 | 6.4 | 7 | 6 | 7 | 4 | 3 | 4 | 7 | 6.9 | | |
| % | 42.2 | 57.8 | % | | | 6.7 | 13.9 | 13.7 | 9.4 | 11.3 | 14.4 | 13.7 | | | |
| z | 240,576 | 329,059 | z | 20,639 | 36,373 | 38,135 | 79,055 | 78,040 | 53,652 | 64,545 | 82,118 | 78,015 | 39,063 | | |
| Sex | Male | Female | Age Group | < 1 Year | 1-14 Years | 15–24 Years | 25-34 Years | 35-44 Years | 45-54 Years | 55-64 Years | 65-74 Years | 75-84 Years | 85 Years | and Over | |

| Top 10 AR-DRGs | R-DRGs | z | % | Mean LOS | Med LOS |
|----------------|---|--------|-----|-------------|------------|
| 0668 | Antenatal and Other Obstetric Admissions, Minor Complexity | 24,071 | 4.2 | 1.0 | 1 |
| 0608 | Vaginal Delivery, Intermediate Complexity | 16,465 | 2.9 | 2.7 | m |
| F74B | Chest Pain, Minor Complexity | 14,723 | 5.6 | 1.2 | ₽ |
| 2090 | Vaginal Delivery, Minor Complexity | 14,385 | 2.5 | 2.0 | 2 |
| 001C | Caesarean Delivery, Minor Complexity | 10,776 | 1.9 | 3.6 | 3 |
| E62A | Respiratory Infections and Inflammations, Major Complexity | 890'6 | 1.6 | 12.6 | ∞ |
| 066A | Antenatal and Other Obstetric Admissions, Major Complexity | 9,055 | 1.6 | 1.8 | 7 |
| B77B | Headaches, Minor Complexity | 7,767 | 1.4 | 1.3 | 1 |
| 0018 | Caesarean Delivery, Intermediate Complexity | 7,309 | 1.3 | 5.0 | 4 |
| F73B | Syncope and Collapse, Minor Complexity | 7,209 | 1.3 | 2.5 | Н |

Notes:

c p a

Percentage columns are subject to rounding.

ICD-10-AM diagnosis codes are analysed at three-character level.

ACHI Procedure codes are analysed at block level. The percentage (%) is based on in-patients with principal procedure reported. See Appendix VII for an overview of changes from 8th Edition to 10th Edition ICD-10-AM/ACHI/ACS.

3.3.2.1 Elective In-Patient Activity

An elective in-patient is an in-patient admission that has been arranged in advance. Table 3.8 presents a summary of elective in-patient activity reported to HIPE.

Elective In-Patients – Profile

- Elective in-patient discharges accounted for 4.8 per cent of total discharges and 12.7 per cent of in-patients.
- Elective in-patient bed days accounted for 533,789 in-patient bed days, or 16.3 per cent of total in-patient bed days.
- Elective overnight in-patient discharges accounted for 93.3 per cent of total elective in-patient discharges and had a mean length of stay of 7.9 days.

Elective In-Patients – Top 20 Principal Diagnoses

- Elective in-patients with a principal diagnosis of *Coxarthrosis [arthrosis of hip]* accounted for 3.4 per cent of elective in-patient discharges.
- Gonarthrosis [arthrosis of knee] accounted for 2.6 per cent of elective inpatient discharges while Other surgical follow-up care accounted for 2.4 per cent of elective in-patient discharges.

Elective In-Patients – Top 20 Principal Procedure Blocks

- A principal procedure was recorded for 89.2 per cent of elective in-patient discharges (see Table 3.4).
- The procedure block *Generalised allied health interventions* was reported for 13.3 per cent of elective in-patients who had a principal procedure reported.
- The procedure blocks Administration of pharmacotherapy and Arthroplasty of hip were reported for 4.4 per cent and 3.9 per cent of elective in-patient discharges with a principal procedure reported respectively.

Elective In-Patients – Top 10 Australian Refined Diagnosis Related Groups (AR-DRGs)

- The top three AR-DRGs accounted for 8.1 per cent of elective in-patient discharges reported to HIPE when analysed by diagnosis related group. ^{24,25}
- Hip Replacement, Minor Complexity and Tonsillectomy and Adenoidectomy
 accounted for 3.3 per cent and 2.5 per cent of elective in-patient discharges
 respectively. Knee Replacement, Minor Complexity accounted for 2.3 per cent
 of elective in-patient discharges.

See Section Four for details of the case mix classification.

In 2015, the AR-DRG classification was updated from AR-DRG Version 6.0 to AR-DRG Version 8.0. See Appendix VIII for an overview of changes between Version 6.0 and Version 8.0 of the AR-DRG Classification System.

TABLE 3.8 Elective In-Patient Activity (N, %, Mean and Median Length of Stay)

| Med | FOS | 12 | 4 | 4 | 1 | 4 | Н | 1 | 2 | | 4 | 1 | ∞ | 1 | | ĸ | 1 | | 1 | 2 | 2 |
|--|---------|---|-----------------------------------|---------------------|--|----------------------|-----------------|------------------|-----------------------------------|-------------|------------------------|---------------------------|-------------------------------|--|--------------------|----------------------|--------------------------------|---------------------|------------------------------|--------------------|--|
| Mean | SO 2 | 23.0 | 8.6 | 4.5 | 1.1 | 4.5 | 1.3 | 2.2 | 5.8 | | 4.7 | 1.5 | 11.0 | 2.1 | | 3.3 | 3.3 | | 1.4 | 3.1 | 3.7 |
| % | 0.00 | 13.3 | 4.4 | 3.9 | 2.8 | 2.7 | 2.7 | 2.3 | 2.1 | | 1.8 | 1.2 | 1.2 | 1.1 | | 1.1 | 1.0 | | 1.0 | 1.0 | 6.0 |
| z | 27.0 | 8,611 | 2,814 | 2,517 | 1,819 | 1,747 | 1,743 | 1,499 | 1,342 | | 1,188 | 785 | 292 | 707 | | 701 | 229 | | 899 | 632 | 295 |
| Top 20 Principal Procedure Blocks ^b | | Generalised allied health interventions | Administration of pharmacotherapy | Arthroplasty of hip | Tonsillectomy or adenoidectomy | Arthroplasty of knee | Sleep Study | Cholecystectomy | Administration of blood and blood | products | Abdominal hysterectomy | Repair of inguinal hernia | Colectomy | Transluminal coronary angioplasty with | stenting | Closed prostatectomy | Excision of lesion of skin and | subcutaneous tissue | Excision of lesion of breast | Simple mastectomy | Endoscopic resection of bladder lesion |
| Top 20 | 9 | 1916 | 1920 | 1489 | 0412 | 1518 | 1828 | 0962 | 1893 | | 1268 | 0660 | 0913 | 0671 | | 1166 | 1620 | | 1744 | 1748 | 1100 |
| nts | | | | | | | | % | 100 | 6.7 | 93.3 | | | Median | 7 | က | | | z | 533,789 | 531,353 |
| Elective In-Patients | | (| 17.476 |) | | | | z | 72,426 | 4,871 | 67,555 | | | Mean | 7.4 | 7.9 | | | | | |
| لە_ ما | , | | | | | | | | | | | | | | | | | | | | |
| Elective | | 1 | | ľ | | | | Discharges | Total | Sameday | Overnight | | | Length of Stay | Total | Overnight | | | Bed Days | Total | Overnight |
| | SOI | 4 | 4 | 9 | 1 | П | 2 | 1 Discharges | 1 Total | 16 Sameday | 3 Overnight | 7 | 1 | 1 Length of Stay | 3 Total | 7 Overnight | 18 | 1 | 3 Bed Days | 5 Total | 1 Overnight |
| Med | SOT | 4.8 4 | 5.1 4 | | 1.1 1 | 2.7 1 | 4.0 2 | 4.8 1 Discharges | 1.7 1 Total | | 3.0 3 Overnight | 10.2 7 | 1.4 1 | 1.6 1 Length of Stay | 4.9 3 Total | 10.5 7 Overnight | 28.1 18 | 0.9 1 | 6.1 3 Bed Days | 8.6 5 Total | 2.8 1 Overnight |
| Med | SOI , | 4 | 2.6 5.1 4 | 9 | 2.4 1.1 1 | 2.0 2.7 1 | 1.9 4.0 2 | 1 | 1.5 1.7 1 Total | 16 | 1.2 3.0 3 Overnight | 1.1 10.2 7 | 1.1 1.4 1 | 1 | m | 7 | | 0.9 0.9 1 | 0.9 6.1 3 Bed Days | 2 | 1 |
| Med | ios los | 4 | 1,885 2.6 5.1 4 | 9 | 1,726 2.4 1.1 1 | 1,417 2.0 2.7 1 | 1,411 1.9 4.0 2 | 4.8 1 | 1.7 1 | 23.8 16 | 3.0 3 | | 815 1.1 1.4 1 | 1.6 1 | 4.9 3 | 10.5 7 | 28.1 | | 634 0.9 6.1 3 Bed Days | 8.6 5 | 2.8 1 |
| Med | SO1 SO1 | 3.4 4.8 4 | 2.6 5.1 4 | 2.4 14.4 6 | Chronic diseases of tonsils and adenoids 1,726 2.4 1.1 1 | | | 1.9 4.8 1 | 1.5 1.7 1 | 1.5 23.8 16 | 1.2 3.0 3 | 1.1 | Inguinal hernia 815 1.1 1.4 1 | 1.1 1.6 1 | 1.0 4.9 3 | 1.0 10.5 7 | 1.0 28.1 | 6.0 | 0.9 6.1 3 | 0.9 8.6 5 | 0.8 2.8 1 |

| Sex | Z | % | Top 10, | Top 10 AR-DRGs |
|--------------|--------|------|---------|---------------------------------------|
| Male | 36,241 | 50.0 | | |
| Female | 36,185 | 50.0 | 103B | Hip Replacement, Minor Complexity |
| | | | D11Z | Tonsillectomy and Adenoidectomy |
| Age Group | z | % | 104B | Knee Replacement, Minor Complexity |
| < 1 Year | 1,446 | 2.0 | Z63A | Other Follow Up After Surgery or |
| 1–14 Years | 6,561 | 9.1 | | Medical Care, Major Complexity |
| 15–24 Years | 3,387 | 4.7 | Z63B | Other Follow Up After Surgery or |
| 25–34 Years | 3,476 | 4.8 | | Medical Care, Minor Complexity |
| 35-44 Years | 669'9 | 9.2 | H08B | Laparoscopic Cholecystectomy, Minor |
| 45-54 Years | 9,432 | 13.0 | | Complexity |
| 55-64 Years | 12,797 | 17.7 | 106B | Major Procedures for Breast Disorders |
| 65-74 Years | 15,139 | 20.9 | | Minor Complexity |
| 75–84 Years | 10,389 | 14.3 | G10B | Hernia Procedures, Minor Complexity |
| 85 Years and | 3,100 | 4.3 | N04B | Hysterectomy for Non-Malignancy, |
| Over | | | | Minor Complexity |
| | | | R61R | I ymphoma and Non-Acute Leukaemia |

20.5 12.2 13.6 21.8 5.5 7.5 7.5

8,815 9,877 15,803 4,018 10,513 5,436 3,087

RCSI Dublin Midlands South/South West

UL Saolta Children's No group

Hospital Group

Ireland East

3 4 4 1

Mean

23 23

2.4 26.3 5.1

0.9

549 542 481

Fibreoptic colonoscopy with excision

Megavoltage radiation treatment

0114 1788 0911

Thyroidectomy

| | | | | | | | | | | | | | | | | 1-p |
|-----------------------------------|---------------------------------|------------------------------------|----------------------------------|--------------------------------|----------------------------------|--------------------------------|-------------------------------------|------------|--|------------------|-------------------------------------|----------------------------------|------------------|-----------------------------------|------------------|---|
| 4.1 | 1.1 | 4.0 | 23.6 | | 13.0 | | 1.5 | | 1.9 | | 1.5 | 3.5 | | 4.0 | | ective in |
| 3.3 | 2.5 | 2.3 | 1.8 | | 1.8 | | 1.8 | | 1.7 | | 1.6 | 1.5 | | 1.4 | | ed on ele |
| 2,379 | 1,812 | 1,648 | 1,323 | | 1,316 | | 1,299 | | 1,209 | | 1,150 | 1,059 | | 1,042 | | (%) is bas |
| Hip Replacement, Minor Complexity | Tonsillectomy and Adenoidectomy | Knee Replacement, Minor Complexity | Other Follow Up After Surgery or | Medical Care, Major Complexity | Other Follow Up After Surgery or | Medical Care, Minor Complexity | Laparoscopic Cholecystectomy, Minor | Complexity | Major Procedures for Breast Disorders, | Minor Complexity | Hernia Procedures, Minor Complexity | Hysterectomy for Non-Malignancy, | Minor Complexity | Lymphoma and Non-Acute Leukaemia, | Minor Complexity | ACHI Procedure codes are analysed at block level. The percentage (%) is based on elective in-pa |
| 103B | D11Z | 104B | Z63A | | Z63B | | H08B | | 106B | | G10B | N04B | | R61B | | des are |
| | | | | | | | | | | | | | | | | о е |
| 20.0 | | % | 2.0 | 9.1 | 4.7 | 4.8 | 9.5 | 13.0 | 17.7 | 20.9 | 14.3 | 4.3 | | | | II Procedur |
| 36,185 | | z | 1,446 | 6,561 | 3,387 | 3,476 | 6,699 | 9,432 | 12,797 | 15,139 | 10,389 | 3,100 | | | | b ACF |
| | | dno | | ars | ears | ears, | ears | ears | ears | ears | ears | s and | | | | |

Notes:

Percentage columns are subject to rounding. ICD-10-AM diagnosis codes are analysed at three-character level.

В

atients with principal procedure reported.

3.3.2.2 Emergency In-Patient Activity

An emergency in-patient admission is unforeseen and requires urgent care. Table 3.9 presents a summary of emergency in-patient activity reported to HIPE. ²⁶

Emergency In-Patients – Profile

- Emergency in-patient discharges accounted for 26.6 per cent of total discharges and 70.2 per cent of in-patients.
- Emergency in-patient bed days accounted for 2,511,589 in-patient bed days, or 76.5 per cent of total in-patient bed days
- Just over 65 per cent of emergency in-patient discharges were admitted from an Emergency Department, with 6.9 per cent admitted via a medical assessment unit (as an in-patient).

Emergency In-Patients – Top 20 Principal Diagnoses

- Emergency in-patient discharges with a principal diagnosis of *Pain in throat* and chest accounted for 4.4 per cent of emergency in-patients.
- Emergency in-patient discharges with a principal diagnosis of Other disorders
 of urinary system and those with a principal diagnosis of Other chronic
 obstructive pulmonary disease accounted for 2.9 per cent and 2.7 per cent of
 emergency in-patient discharges respectively.

Emergency In-Patients – Top 20 Principal Procedure Blocks

- A principal procedure was recorded for 52.6 per cent of emergency in-patient discharges (see Table 3.4).
- Procedures from the block Generalised allied health interventions were reported for 44.1 per cent of emergency in-patient discharges with a procedure recorded.

Emergency In-Patient – Top 10 Australian Refined Diagnosis Related Groups (AR-DRGs)

- The top three AR-DRGs accounted for 7.7 per cent of emergency in-patient discharges reported to HIPE when analysed by diagnosis related group.^{27,28}
- Chest Pain, Minor Complexity accounted for 3.5 per cent of emergency inpatient discharges. Respiratory Infections and Inflammations, Major Complexity and Headaches, Minor Complexity accounted for 2.2 per cent and 1.9 per cent of emergency in-patient discharges respectively.

HIPE includes patients who attended the Emergency Department and were subsequently admitted to hospital. As just a proportion of those attending the Emergency Department will subsequently be admitted to hospital, it is not possible to use emergency admissions reported to HIPE to draw conclusions about the total volume of activity in Emergency Departments.

See Section Four for details of the case mix classification.

²⁸ In 2015, the AR-DRG classification was updated from AR-DRG Version 6.0 to AR-DRG Version 8.0. See Appendix VIII for an overview of changes between Version 6.0 and Version 8.0 of the AR-DRG Classification System.

TABLE 3.9 Emergency In-Patient Activity (N, %, Mean and Median Length of Stay)

| | | | | | | | | | | | l | Н | |
|---|-----------|----------|------|-----|----------------|------------------------------|-----------|----------|--|--------|------|-------------|-----|
| Top 20 Principal Diagnoses ^a | z | % | Mean | Med | Emergen | Emergency In-Patients | ents | Top 20 | Top 20 Principal Procedure Blocks ⁹ | z | % | Mean LOS | Med |
| R07 Pain in throat and chest | 17,557 | 4.4 | 1.5 | П | | | | 1916 | Generalised allied health interventions | 92,700 | 44.1 | 6.6 | 9 |
| N39 Other disorders of urinary system | 11,703 | 2.9 | 8.6 | 2 | 200 | | | 1893 | Administration of blood and blood products | 7,237 | 3.4 | 10.4 | 9 |
| J44 Other chronic obstructive pulmonary disease | se 10,668 | 2.7 | 7.3 | 2 | U V | 222,002 | | 1920 | Administration of pharmacotherapy | 5,532 | 5.6 | 8.0 | 4 |
| J18 Pneumonia, organism unspecified | 9,110 | | 10.4 | 9 | | | | 0220 | Noninvasive ventilatory support | 5,513 | 5.6 | 14.8 | 6 |
| R10 Abdominal and pelvic pain | 996'8 | | 1.8 | Н | | | | 1008 | Panendoscopy with excision | 5,453 | 5.6 | 10.3 | 9 |
| J22 Unspecified acute hower respiratory infection | ion 8,766 | | 6.9 | 4 | Discharges | z | % | 0926 | Appendicectomy | 5,366 | 5.6 | 3.2 | 2 |
| R55 Syncope and collapse | 8,148 | 2.0 | 4.3 | 2 | Total | 399,609 | 100 | 8990 | Coronary angiography | 3,857 | 1.8 | 5.3 | æ |
| 150 Heart failure | 6,377 | | 10.2 | 7 | Sameday | 90,312 | 22.6 | 0030 | Lumbar puncture | 3,754 | 1.8 | 10.1 | 2 |
| R51 Headache | 6,040 | | 1.8 | ₽ | Overnight | 309,297 | 77.4 | 0569 | Ventilatory support | 3,168 | 1.5 | 22.8 | 11 |
| 121 Acute myocardial infarction | 5,561 | 1.4 | 6.1 | 4 | | | | 0671 | Transluminal coronary angioplasty with | 2,727 | 1.3 | 4.2 | n |
| K35 Acute appendicitis | 5,536 | | 3.4 | 2 | | | | | stenting | | | | |
| 148 Atrial fibrillation and flutter | 5,297 | 1.3 | 4.1 | 2 | Length of Stay | Mean | Median | 1005 | Panendoscopy | 2,247 | 1.1 | 12.8 | 7 |
| R06 Abnormalities of breathing | 5,100 | 1.3 | 2.2 | П | Total | 6.3 | 7 | 1872 | Alcohol and drug rehabilitation and | 2,244 | 1.1 | 6.7 | m |
| l63 Cerebral infarction | 4,891 | 1.2 | 14.6 | 8 | Overnight | 8.0 | 4 | | detoxification | | | | |
| L03 Cellulitis | 4,723 | 1.2 | 6.7 | 4 | | | | 0911 | Fibreoptic colonoscopy with excision | 2,091 | 1.0 | 10.7 | 7 |
| S72 Fracture of femur | 4,716 | 1.2 | 15.4 | 10 | | | | 1823 | Mental, behavioural or psychosocial | 2,071 | 1.0 | 6.4 | 2 |
| A09 Other gastroenteritis and colitis of infectious | us 4,166 | 1.0 | 4.3 | 2 | Bed Days | | z | | psychosocial assessment | | | | |
| and unspecified origin | | | | | Total | | 2,511,589 | 1489 | Arthroplasty of hip | 1,922 | 6.0 | 16.3 | 10 |
| K80 Cholelithiasis | 3,982 | 1.0 | 6.7 | 2 | Overnight | | 2,466,433 | 1479 | Fixation of fracture of pelvis or femur | 1,907 | 6.0 | 17.0 | 11 |
| S52 Fracture of forearm | 3,880 | 1.0 | 2.4 | П | | | | 1060 | Haemodialysis | 1,631 | 8.0 | 12.0 | 7 |
| R00 Abnormalities of heart beat | 3,848 | 1.0 | 1.7 | 7 | | | | 0990 | Application, insertion or removal | 1,576 | 0.8 | 14.9 | 10 |
| | | | | | | | | | procedures on chest wall, mediastinum or diaphragm | | | | |
| | | | | | | | | 1539 | Open reduction of fracture of ankle or toe | 1,553 | 0.7 | 4.1 | 2 |
| | | | | | | | | 1628 | Other debridement of skin and | 1,550 | 0.7 | 9.1 | 2 |
| | | | | | | | | | subcutaneous tissue | | | | |
| Hospital Group | z | | | | Sex | z | % | Top 10 A | Top 10 AR-DRGs | z | % | Mean | Med |
| Ireland East | 87,878 | | | | Male | 204,335 | 51.1 | | | | | ros | ros |
| RCSI | 59,937 | 15.0 | | | Female | 195,274 | 48.9 | F74B | Chest Pain, Minor Complexity | 14,166 | 3.5 | 1.2 | 1 |
| Dublin Midlands | 56,201 | 14.1 | | | | | | E62A | Respiratory Infections and Inflammations, | 8,844 | 2.2 | 12.4 | ∞ |
| U. | 39.087 | | | | Age Group | Z | % | B77B | Headaches, Minor Complexity | 7.658 | 1.9 | 1.3 | - |
| Saolta | 71,880 | `` | | | < 1 Year | 19,193 | 4.8 | F73B | Syncope and Collapse, Minor Complexity | 7,123 | 1.8 | 2.5 | 1 |
| Children's | 12,973 | 3.2 | | | 1-14 Years | 29,801 | 7.5 | L63B | Kidney and Urinary Tract Infections, Minor | 6,789 | 1.7 | 4.2 | ĸ |
| No Group | | • | | | 15–24 Years | 23,473 | 5.9 | | Complexity | | | | |
| | | | | | 25-34 Years | 25,392 | 6.4 | G66B | Abdominal Pain and Mesenteric Adenitis, | 6,579 | 1.6 | 1.3 | 1 |
| | | | | | 35-44 Years | 35,763 | 8.9 | | Minor Complexity | | | | |
| Mode of Emergency Admission | Z | % | | | 45-54 Years | 43,671 | 10.9 | E75A | Other Respiratory System Disorders, Major | 6,568 | 1.6 | 8.1 | 2 |
| Emergency Department | 261,342 | 65.4 | | | 55-64 Years | 51,748 | 12.9 | | Complexity | | | | |
| Medical assessment unit - admitted as in-patient | 27,759 | 6.9 | | | 65-74 Years | 626'99 | 16.8 | L63A | Kidney and Urinary Tract Infections, Major | 6,393 | 1.6 | 11.7 | 7 |
| Medical assessment unit only | 49,832 | 12.5 | | | 75-84 Years | 67,626 | 16.9 | | Complexity | | | | |
| Other | 69,09 | | | | 85 Years | 35,963 | 9.0 | G70B | Other Digestive System Disorders, Minor | 6,276 | 1.6 | 1.9 | 1 |
| Unknown | 13 | 0.0 | | | and Over | | | | Complexity | | | | |
| | | | | | | | | 1822 | Other Sameday Treatment for Musculoskeletal Disorders | 6,060 | 1.5 | 0.5 | ⊣ |

Percentage columns are subject to rounding. ICD-10-AM diagnosis codes are analysed at three-character level В Notes:

ACHI Procedure codes are analysed at block level. The percentage (%) is based on emergency in-patients with principal procedure reported.

'Other' includes emergency in-patients who were treated in locations other than an Emergency Department, for example, in a Local injury Unit, prior to admission to hospital. c p

3.3.2.3 Maternity In-Patient Activity

Maternity discharges are those who were admitted in relation to their obstetrical experience (from conception to six weeks post-delivery); that is, they were allocated to Admission Type 'Maternity'.²⁹ Table 3.10 presents a summary of maternity in-patient activity reported to HIPE; and presents diagnoses and procedures by delivery status. Delivery discharges include discharges with any listed diagnosis of Z37 *Outcome of Delivery*. Non-delivery discharges are maternity discharges where admission was related to their obstetrical experience but they did not deliver during that episode of care.

Maternity In-Patients – Profile

- Maternity in-patient discharges accounted for 6.5 per cent of total discharges and 17.1 per cent of in-patients.
- Of maternity in-patient discharges, 56.7 per cent reported a diagnosis of Outcome of delivery i.e. delivery discharges; while 43.3 per cent were nondelivery discharges.
- Single deliveries accounted for 98.1 per cent of delivery discharges.
- Over 60 per cent of delivery discharges were multiparous deliveries.
- Of delivery discharges, 34.5 per cent were aged between 30–34 years.

Maternity In-Patients – Top 10 Principal Diagnoses by Delivery Status

- Delivery discharges with a principal diagnosis of Single spontaneous delivery accounted for 45.7 per cent of delivery in-patient discharges.
- Non-delivery discharges with a principal diagnosis of Other maternal diseases classifiable elsewhere but complicating pregnancy, childbirth and the puerperium accounted for 25.2 per cent of non-delivery in-patient discharges.

Maternity In-Patients – Top 10 Principal Procedure Blocks by Delivery Status

- A principal procedure was recorded for 65.5 per cent of maternity in-patient discharges (see Table 3.4).
- For delivery discharges who had a procedure reported, 45.6 per cent reported the principal procedure block *Spontaneous vertex delivery*³¹.
- For non-delivery discharges who had a procedure reported, 28.1 per cent reported the principal procedure block *Curettage and evacuation of uterus*.

Maternity In-Patients – Top 10 Australian Refined Diagnosis Related Groups (AR-DRGs)

- The top three AR-DRGs accounted for 56.3 per cent of maternity in-patient discharges reported to HIPE when analysed by diagnosis related group. 32,33
- Antenatal and Other Obstetric Admissions, Minor Complexity accounted for 24.7 per cent of maternity in-patient discharges.

²⁹ See Hospital In-Patient Enquiry Scheme (HIPE) Data Dictionary 2020 Version 12.1 available at www.hpo.ie.

 $^{^{30}}$ See Table 3.10 notes for definition of multiparous deliveries.

See Appendix VII for an overview of changes from 8th Edition to 10th Edition ICD-10-AM/ACHI/ACS.

See Section Four for details of the case mix classification.

In 2015, the AR-DRG classification was updated from AR-DRG Version 6.0 to AR-DRG Version 8.0. See Appendix VIII for an overview of changes between Version 6.0 and Version 8.0 of the AR-DRG Classification System.

TABLE 3.10 Maternity In-Patient Activity (N, %, Mean and Median Length of Stay)

| | Top 10 Principal Diagnoses | | | 5 | | NA NA | aterillity III-Patierits | מפושות | ņ | | | | | | | | |
|-----|--------------------------------|--------|------|-----|-----|-------------------------------|----------------------------|--------|------|------|-------------------|-----------------|--|--------|------|------|-----|
| | | | | | | | | | | | | | | | | | |
| 080 | Single spontaneous delivery | 25,300 | 45.7 | 2.3 | 7 | | | | | | | 1336 | Spontaneous vertex delivery ^h | 25,232 | 45.6 | 2.4 | 7 |
| | | | | | | | 01 0 | | | | | 1340 | Caesarean section ^f | 19,553 | 35.4 | 4.6 | 4 |
| 082 | Single delivery by caesarean | 17,328 | 31.3 | 4.0 | 4 | | W, 600 | \geq | | | | 1338 | Vacuum assisted delivery | 5,958 | 10.8 | 3.1 | 3 |
| | section | | | | | | | | | | | 1337 | Forceps rotation and delivery | 1,965 | 3.6 | 3.4 | m |
| 081 | Single delivery by forceps and | 7,385 | 13.4 | 3.0 | n | | | | | | sιλ | 1344 | Postpartum suture | 927 | 1.7 | 2.4 | 7 |
| | vacuum extractor | | | | | | | | | | ĐΛΪ | 1334 | Medical or surgical induction of labour | 299 | 1.2 | 3.1 | m |
| 083 | Other assisted single delivery | 1,020 | 1.8 | 5.9 | 3 | | | | | | ləC | 1335 | Medical or surgical augmentation of labour | 395 | 0.7 | 2.3 | 7 |
| 045 | Premature rupture of | 902 | 1.6 | 9.9 | 4 | Delivery Status | z | % | Mean | Med | | 1343 | Other procedures associated with delivery ⁸ | 317 | 9.0 | 2.8 | ĸ |
| | membranes | | | | | Total | 97,600 | 100 | 2.4 | 2 | | 1345 | Postpartum evacuation of uterus | 114 | 0.2 | 3.6 | n |
| 083 | Multiple delivery | 875 | 1.6 | 5.1 | 4 | Delivery ^b | 55,303 | 29.7 | 3.3 | က | | 1333 | Analgesia and anaesthesia during labour and | 99 | 0.1 | 5.8 | æ |
| 980 | Maternal care for other known | 638 | 1.2 | 6.4 | 4 | Non-Delivery ^c | 42,297 | 43.3 | 1.3 | 1 | | | delivery procedure | | | | |
| | or suspected fetal problems | | | | | | Delivery Discharges | arges | | | | | | | | | |
| 014 | Pre-eclampsia | 394 | 0.7 | 8.2 | 9 | Delivery Outcome ^b | | | | Med | | | | | | | |
| | not elsewhere classified | | | | | Single | 54,279 | 98.1 | 3.3 | 33 | | 1265 | Curettage and evacuation of uterus | 2,433 | 28.1 | 1.1 | 1 |
| 013 | Gestational [pregnancy- | 215 | 0.4 | 8.9 | 9 | Multiple | 1,017 | 1.8 | 6.1 | 4 | | 1916 | Generalised allied health interventions | 2,139 | 24.7 | 2.8 | 7 |
| | induced] Hypertension | | | | | Unspecified | 7 | 0.0 | 4.1 | æ | | 1884 | Immunisation | 808 | 9.3 | 1.1 | 1 |
| | | | | | | Parity ^d | Z | % | Mean | Med | | 1256 | Procedures for management of ectopic pregnancy | 929 | 7.6 | 2.4 | П |
| | | | | | | Primiparous | 21,917 | 39.6 | 3.8 | 3 | ٨ | 1334 | Medical or surgical induction of labour | 280 | 6.7 | 1.2 | 1 |
| 660 | Other maternal diseases | 10,650 | 25.2 | 1.2 | 1 | Multiparous | 33,308 | 60.2 | 3.0 | æ | ver | 1920 | Administration of pharmacotherapy | 431 | 2.0 | 6.0 | 1 |
| | classifiable elsewhere but | | | | | Unknown | 78 | 0.1 | 3.4 | c | ilə | 1330 | Antepartum application, insertion or removal | 247 | 5.9 | 1.7 | 1 |
| | complicating pregnancy, | | | | | Age Group | z | % | Mean | Med | g-uo _l | | procedures | | | | |
| 236 | Antenatal screening | 3,902 | 9.5 | 9.0 | 1 | < 20 Years | 856 | 1.5 | 3.3 | 3 | V | 1274 | Application, insertion or removal procedures on | 214 | 2.5 | 1.4 | н |
| 047 | False Jahour | 3 409 | × - | 10 | - | 20-24 Vears | 4 260 | 77 | 3.2 | ď | | 1893 | Administration of blood and blood products | 147 | 17 | 2.1 | - |
| 036 | Maternal care for other known | 3,027 | 7.5 | - F | ٦ - | 25-24 Icars | 9.416 | 17.0 | 2.5 | n cr | | 1345 | Postnartim evacuation of uterus | 145 | 17 | 2.3 | ٦ , |
| 3 | or suspected fetal problems | | ! | i | • | 30-34 Years | 19,055 | 34.5 | 3.2 | n | | 2 | | 1 | ì | } | 1 |
| 003 | Spontaneous abortion | 2,138 | 5.1 | 1.1 | 1 | 35-39 Years | 17,204 | 31.1 | 3.4 | ĸ | Top 10 | Top 10 AR-DRG's | \$,! | z | % | Mean | Med |
| 005 | Other abnormal products of | 2,068 | 4.9 | 1.0 | 1 | 40-44 Years | 4,202 | 9.7 | 3.8 | c | 066B | | Antenatal and Other Obstetric Admissions, MINC | 24,060 | 24.7 | 1.0 | 1 |
| | conception | | | | | 45 Years and | 310 | 9.0 | 2.0 | 4 | 060B | | Vaginal Delivery, Intermediate Complexity | 16,465 | 16.9 | 2.7 | က |
| 021 | Excessive vomiting in | 1,880 | 4.4 | 1.5 | П | Over | | | | | 090 | | Vaginal Delivery, Minor Complexity | 14,385 | 14.7 | 5.0 | 2 |
| | pregnancy | | | | | Discharge | | | Mean | Med | 001C | | Caesarean Delivery, Minor Complexity | 10,776 | 11.0 | 3.6 | m |
| 046 | Antepartum haemorrhage, | 1,793 | 4.2 | 1.3 | 1 | Status | | | | | O66A | | Antenatal and Other Obstetric Admissions, MAJC | 9,048 | 9.3 | 1.8 | 1 |
| | not elsewhere classified | | | | | Public | 45,713 | 82.7 | 3.3 | 3 | 001B | | Caesarean Delivery, Intermediate Complexity | 7,309 | 7.5 | 2.0 | 4 |
| 013 | Gestational [pregnancy- | 1,191 | 2.8 | 1.5 | 1 | Private | 9,590 | 17.3 | 3.5 | c | O60A | | Vaginal Delivery, Major Complexity | 4,065 | 4.2 | 4.2 | 3 |
| | induced] hypertension | | | | | | | | | | O05Z | | Abortion W OR Procedures | 2,393 | 2.5 | 1.0 | 1 |
| 023 | Infections of genitourinary | 1,060 | 2.5 | 1.9 | 1 | | | | | | 061B | | Postpartum and Post Abortion W/O OR Proc, MINC | 2,229 | 2.3 | 1.7 | 1 |
| | tract in pregnancy | | | | | | | | | | 063B | | Abortion W/O OR Procedures, Minor Complexity | 2,163 | 2.2 | 1.1 | 1 |

procedure reported. A principal procedure was recorded for 100.0 per cent of delivery in-patient discharges and 20.5

per cent of non-delivery in-patient discharges. As one principal procedure and up to 19 secondary procedures may be collected as applicable for each discharge, the number of principal procedure Caesarean sections may not equal the number of total Caesarean sections.

Includes episiotomy. ₩ _

See Appendix VII for an overview of changes from 8th Edition to 10th Edition ICD-10-AM/ACHI/ACS.

Multiparous Delivery discharges are deliveries to women who have had at least one previous pregnancy resulting in a live birth or Maternal parity is the number of previous live births and number of previous stillbirths (>500g). Primiparous Delivery discharges are deliveries to women who have had no previous pregnancy resulting in a live birth or stillbirth (>500g). stillbirth (>500g).

Non-Delivery discharges are maternity discharges where admission was related to their obstetrical experience but who did

not deliver during that episode of care.

О

сра

Discharges with ICD-10-AM Diagnosis Code Z37 Outcome of Delivery (used for delivery outcome variable).

ICD-10-AM diagnosis codes are analysed at three-character level.

3.4 MORBIDITY ANALYSIS: TOTAL DISCHARGE ACTIVITY

The analysis presented in Section 3.4 is based on total discharges. Morbidity data are presented by chapter within the ICD-10-AM diagnosis coding scheme, with certain specific conditions within these chapters reported separately. Procedures are generally reported by block at chapter level with certain specific procedures reported separately. Discussion of morbidity analysis is limited to chapter level. Diagnosis and procedure tables are cross tabulated by sex and age group.

Total Discharges by Principal Diagnosis, Sex and Age Group 3.4.1

Table 3.11 presents the distribution of total discharges by sex, age group and principal diagnosis.

- Over 30 per cent of total discharges had a principal diagnosis of Factors influencing health status and contact with health services; this includes persons encountering health services for examination and investigation or for specific procedures and health care (e.g., Chemotherapy, Radiotherapy and Dialysis).
- The chapter Diseases of the digestive system had the second largest number of principal diagnoses, with 9.2 per cent of total discharges.
- Diagnoses from the chapter Factors influencing health status and contact with health services were the most common principal diagnoses for discharges in the less than 15 years, 45-64 years and 65 years and over age groups. The most common principal diagnosis chapter for discharges aged 15-44 was Pregnancy, childbirth and the puerperium.

3.4.2 In-Patient Mean and Median Length of Stay by Principal Diagnosis, Sex and Age Group

Table 3.12 presents the total in-patient mean and median length of stay for principal diagnosis by sex and age group. The analysis presented here includes total in-patient (sameday and overnight) discharges, and excludes day patients. It should also be noted that the analysis by length of stay does not take into account the discharge destination of the patient. For example, a patient with a length of stay of one day for a diagnosis of chronic ischaemic heart disease may be transferred to another facility on discharge. Care must be taken, therefore, in interpreting the data on length of stay presented in Table 3.12, in the absence of information on discharge destination.34

Discussion of total in-patient mean length of stay is limited to ICD-10-AM chapter level.

- The longest in-patient mean length of stay was recorded for in-patient discharges with a principal diagnosis from the chapter Mental and behavioural disorders (11.1 days).
- For discharges aged less than 15 years, those with a principal diagnosis from the chapter Congenital malformations, deformations and chromosomal abnormalities recorded an in-patient mean length of stay of 8.3 days.
- The longest in-patient mean length of stay for discharges aged 15-44 years was reported for those with a principal diagnosis from the Neoplasms chapter (7.4 days). When this diagnosis is analysed by sex, male discharges reported 9.2 days and females reported 6.3 days.
- The shortest in-patient mean length of stay for all ages was recorded for inpatient discharges with a principal diagnosis from the chapter Diseases of the ear and mastoid process (2.2 days).

3.4.3 All-Listed Diagnoses by Sex and Age Group

Table 3.13 provides details of all-listed diagnoses reported by sex and age group. Over 4.2 million diagnoses were recorded for total discharges reported to HIPE. As one principal diagnosis and up to 29 secondary diagnoses may be collected per discharge, the number of diagnoses will not equal the number of discharges.

- With the exception of females aged 15-44 years, the chapter Factors influencing health status and contact with health services had the most frequently reported diagnoses across both sexes and all age groups for total discharges. It accounted for 1,114,990 diagnoses, or 26.1 per cent of all-listed diagnoses reported.35
- Neoplasms accounted for 536,083 diagnoses or 12.5 per cent of all-listed diagnoses reported for total discharges.

This chapter includes diagnoses such as Z51 Other medical care (includes Chemotherapy and Radiotherapy encounters) and Z49 Care involving dialysis.

 TABLE 3.11
 Total Discharges: Principal Diagnosis by Sex and Age Group (N)

| | ICD-10-AM | | | Male | | | | | Female | | | | Tot | al Discharge | 10 | |
|---|---------------------|--------|------------|-------------|-------------|---|-------------|------------|-----------------|-------------|----------------|--------------|------------|--------------|-------------|-----------------|
| Principal Diagnosis | Code | < 15 | 15-44 | 45-64 | 59⋜ | Total | < 15 | 15-44 | 45-64 | 59⋜ | Total | < 15 | 15-44 | 45-64 | 565 | Total |
| Total Discharges | 1 | 51,426 | 124,618 | 216,205 | 321,922 | 714,171 | 41,111 | 265,246 | 215,121 | 264,296 | 785,774 | 92,537 | 389,864 | 431,326 | 586,218 | 1,499,945 |
| Certain infectious and parasitic diseases | A00-B99 | 1,902 | 2,330 | 1,811 | 2,700 | 8,743 | 1,692 | 2,365 | 1,979 | 3,176 | 9,212 | 3,594 | 4,695 | 3,790 | 5,876 | 17,955 |
| Intestinal infectious diseases (including diarrhoea) | A00-A09 | 984 | 1,036 | 872 | 1,157 | 4,049 | 876 | 1,389 | 1,189 | 1,831 | 5,285 | 1,860 | 2,425 | 2,061 | 2,988 | 9,334 |
| Tuberculosis | A15-A19 | 2 | 70 | 56 | * | 117 | \$ | 9 | 11 | * | 06 | 9 | 135 | 37 | 59 | 207 |
| Septicaemia | A40-A41 | 51 | 83 | 323 | 1,056 | 1,513 | 48 | 105 | 323 | 842 | 1,318 | 66 | 188 | 646 | 1,898 | 2,831 |
| Human immunodeticiency virus [HIV] disease | B20-B24 | * (| + (11 | * 000 | * 000 | ‡ ************************************ | * 14 | + 070 | * 11 | # 100.00 | * 2 | * " | # 000 | * *** | * 6 | 43 |
| Net plasms Malignant neonlasms | C00-048 | 2,112 | 3 588 | 19,990 | 27,036 | 47 647 | 1 974 | 4 797 | 13 996 | 18 495 | 39.767 | 5,227 | 8 385 | 28 700 | 45 531 | 86 909 |
| Malignant neoplasms of colon, rectum and anus | C18-C21 | 0 | 169 | 1.431 | 2.126 | 3.726 | r C | 737 | 802 | 1.249 | 2,288 | 0 | 406 | 2,733 | 3.375 | 6.014 |
| Malignant neoplasms of trachea, bronchus and lung | C33-C34 | 0 | 62 | 993 | 2,037 | 3,092 | 0 | 128 | 957 | 1,804 | 2,889 | 0 | 190 | 1,950 | 3,841 | 5,981 |
| Melanoma and other malignant neoplasms of skin | C43-C44 | 5 | * | 1,791 | 5,827 | 7,965 | 3 | * | 1,319 | 3,286 | 5,041 | ş | * | 3,110 | 9,113 | 13,006 |
| Malignant neoplasms of breast | C20 | 0 | \$ | * | 22 | 33 | 0 | * | * | 3,114 | 8,526 | 0 | 1,438 | 3,985 | 3,136 | 8,559 |
| Malignant neoplasms of female genital organs | C51-C58 | 0 | 0 | 0 | 0 | 0 | 24 | 332 | 1,192 | 1,164 | 2,712 | 24 | 332 | 1,192 | 1,164 | 2,712 |
| Malignant neoplasm of prostate | C61 | 19 | 29 | 1,880 | 3,757 | 5,685 | 0 | 0 | 0 | 0 | 0 | 19 | 53 | 1,880 | 3,757 | 5,685 |
| Malignant neoplasm of bladder | C67 | 17 | 37 | 323 | 1,212 | 1,619 | 0 | 19 | 188 | 349 | 556 | 17 | 26 | 541 | 1,561 | 2,175 |
| Malignant neoplasms of lymphoid, haematopoietic and | C81–C96 | 1,279 | 1,472 | 3,537 | 5,525 | 11,813 | 892 | 1,129 | 2,170 | 3,608 | 7,799 | 2,171 | 2,601 | 5,707 | 9,133 | 19,612 |
| related tissue | 4 | | 4 | | | | | 4 | | | | | | | | |
| In situ neoplasms | 60Q-00Q | 2 | | 342 | 1,032 | 1,425 | 2 | * | 662 | 1,066 | 2,029 | φ | 346 | 1,004 | 2,098 | 3,454 |
| Benign neoplasms and neoplasms of uncertain or unknown behaviour | D10-D48 | 448 | 2,538 | 4,944 | 6,929 | 14,859 | 480 | 5,521 | 5,493 | 4,734 | 16,228 | 928 | 8,059 | 10,437 | 11,663 | 31,087 |
| Diseases of the blood and blood-forming organs and | D20-D89 | 1,935 | 2,510 | 3,216 | 6,272 | 13,933 | 1,227 | 3,819 | 3,712 | 5,994 | 14,752 | 3,162 | 6,329 | 6,928 | 12,266 | 28,685 |
| Endocrine putritional and metabolic diseases | F00_F89 | 1 034 | 5 477 | 8 891 | 7 263 | 22 665 | 1 089 | 3 630 | 4 855 | 5 097 | 14 671 | 2 123 | 9 107 | 13 746 | 12 360 | 37 336 |
| Dishotor mollitus | E10 E14 | 250 | 130 | 2,001 | 2607 | 6013 | 25.1 | 909 | 250,4 | 1 225 | 2 130 | 013 | 1 657 | 7 7 7 7 6 | 4 007 | 0,00 |
| Cystic fibrosis | E84 | 158 | 1.037 | ****** | 2,002 ~ | 1.330 | 198 | 888 | * | T,32,1 ~ | 1.186 | 356 | 1.925 | 229 | 9 | 2,516 |
| Mental and behavioural disorders | F00-F99 | 447 | 1,653 | 1.365 | 1.570 | 5.035 | 352 | 1.179 | 876 | 1.533 | 3.940 | 299 | 2.832 | 2.241 | 3.103 | 8,975 |
| Mental and behavioural disorders due to use of alcohol | F10 | 22 | 906 | 1.010 | 366 | 2.304 | 28 | 352 | 452 | 121 | 953 | 20 | 1.258 | 1.462 | 487 | 3,257 |
| Mental and behavioural disorders due to use of other | F11-F19 | 1 2 | 777 | 41 | * | 337 | 9 0 | 5 69 | 1 6 | 16 | 104 | 2 | 346 | 9 | * | 436 |
| psychoactive substance | | | | ŧ | | 300 | o | 3 | 3 | 2 | ţ | | 5 | 3 | | 2 |
| Diseases of nervous system | 669-009 | 1,472 | 3,827 | 4,132 | 4,637 | 14,068 | 1,299 | 7,179 | 5,946 | 4,429 | 18,853 | 2,771 | 11,006 | 10,078 | 990'6 | 32,921 |
| Multiple sclerosis | 635 | * | 1,172 | 694 | * | 1,960 | 3 | 2,720 | 1,628 | * | 4,545 | ∞ | 3,892 | 2,322 | 283 | 6,505 |
| Epilepsy | G40, G41 | 260 | 768 | 483 | 310 | 2,121 | 238 | 747 | 343 | 262 | 1,890 | 1,098 | 1,515 | 826 | 572 | 4,011 |
| Transient cerebral ischaemic attacks and related | G45 | 0 | 23 | 365 | 1,152 | 1,570 | 3 | * | 283 | 1,139 | 1,466 | ł | * | 648 | 2,291 | 3,036 |
| Syndromes | 001 | 013 | 1 730 | 200 | 16 144 | 102.66 | 757 | 1 507 | 4 5 6 5 | 130 | 27 0/3 | 020 | 2010 | 0 054 | ATC 7C | E1 E24 |
| Cotangle of the eye and admena | 900-100 | 17 | 105 | 9,289 | 2 402 | 4512 | 1 21 | 7,69,1 | 696,4 | 7 796 | C 050 | 976 | 3,430 | 1,034 | 4/7/16 | 10.262 |
| Other retinal disorders | H25 | ‡ 5 | 505 | 2 261 | 0,403 | 11 601 | † c | 308 | 1 592 | 17 537 | 14 541 | 02 | 193 | 2,072 | 6,203 | 26,302 |
| Dispuses of the car and mactaid account | 150_H0F | 1 216 | 910 | 2,201 | 2,870 | 2 775 | 630 | 1 080 | 1.067 | 973 | 2 9/0 | 2002 | 1 990 | 1 020 | 1,402 | 7.632 |
| Diseases of the circulatory system | - Bel-001 | 643 | 3 148 | 13 284 | 22 951 | 40.026 | 584 | 2,000 | 7,00,1 6 536 | 16 475 | 26.248 | 1 227 | 5 851 | 19 820 | 39 426 | 66 324 |
| Hypertensive diseases | 110-115 | 35. | 274 | 540 | 372 | 1.221 | 5 02 | 233 | 485 | 775 | 1.513 | 55 | 507 | 1.025 | 1.147 | 2.734 |
| Angina pectoris | 120 | 0 | 82 | 921 | 1,214 | 2,220 | 0 | 25 | 390 | 643 | 1,058 | 0 | 110 | 1,311 | 1,857 | 3,278 |
| Acute myocardial infarction | 121–122 | 0 | 217 | 1,778 | 2,281 | 4,276 | 0 | 28 | 434 | 1,230 | 1,722 | 0 | 275 | 2,212 | 3,511 | 5,998 |
| Other ischaemic heart disease | 123-125 | 2 | * | 2,710 | 3,412 | 6,308 | \$ | * | 851 | 1,475 | 2,378 | \$ | * | 3,561 | 4,887 | 8,686 |
| Pulmonary heart disease and diseases of pulmonary circulation | 126–128 | Ş | * | 398 | 482 | 1,026 | * | * | 273 | 540 | 1,040 | 41 | 332 | 671 | 1,022 | 2,066 |
| Conduction disorders and cardiac arrhythmias | 144–149 | 119 | 574 | 2,110 | 3,929 | 6,732 | 95 | 424 | 998 | 2,847 | 4,232 | 214 | 866 | 2,976 | 9/1/9 | 10,964 |
| Heart failure | 150 | 12 | 54 | 534 | 3,422 | 4,022 | 17 | 31 | 225 | 2,655 | 2,928 | 29 | 82 | 759 | 6,077 | 6,950 |
| Cerebrovascular disease | 691-091 | 23 | 273 | 1,363 | 3,133 | 4,822 | 49 | 236 | 810 | 2,651 | 3,746 | 102 | 209 | 2,173 | 5,784 | 8,568 |
| Atherosclerosis (non-coronary) | 170 | 0 | 15 | 300 | 709 | 1,024 | 0 | 11 | 87 | 330 | 428 | 0 | 56 | 387 | 1,039 | 1,452 |
| Diseases of the respiratory system | 66F-00F | 4,274 | 4,417 | 7,617 | 16,849 | 33,157 | 3,361 | 5,365 | 7,514 | 14,897 | 31,137 | 7,635 | 9,782 | 15,131 | 31,746 | 64,294 |
| Acute upper respiratory infections and influenza | J00-J11 | 1,502 | 641 | 311 | 516 | 2,970 | 1,232 | 864 | 377 | 613 | 3,086 | 2,734 | 1,505 | 889 | 1,129 | 950'9 |
| Pneumonia | J12-J18 | 196 | 637 | 1,606 | 4,555 | 6,994 | 163 | 269 | 1,196 | 3,707 | 5,635 | 329 | 1,206 | 2,802 | 8,262 | 12,629 |
| Unspecified lower acute respiratory infection | 122 | 367 | 453 | 932 | 3,039 | 4,791 | 337 | 263 | 876 | 2,692 | 4,468 | 704 | 1,016 | 1,808 | 5,731 | 9,259 |
| Chronic diseases of tonsils and adenoids Chronic obstructive pulmonary disease and | J35 J40–J44, J47 | 631 | 267 191 | 33 1,406 | 15 4,867 | 946 6,493 | 594 13 | 607 221 | 43 1,644 | 18 4,746 | 1,262 6,624 | 1,225 | 874 412 | 76 3,050 | 33 9,613 | 2,208 13,117 |
| bronchiectasis | : | 1 | | | ; | | | | | ; | | į | | ! | ! | į |
| Asthma | J45–J46 | 226 | 260 | 1,315 | 684 | 3,115 | 298 | 1,166 | 1,702 | 793 | 3,959 | 854 | 1,726 | 3,017 | 1,477 | 7,074 |

Total Discharges: Principal Diagnosis by Sex and Age Group (N) (contd.) **TABLE 3.11**

| Principal Diagnosis | ICD-10-AM | | : | Male | | | | : | Female | | | | | rotal Discharges | | |
|---|---------------------|-------|--------|--------|---------|---------|-------|---------|--------|--------|---------|--------|---------|------------------|---------|---------|
| | Code | < 15 | 15-44 | 45–64 | >65 | Total | < 15 | 15-44 | 45–64 | 265 | Total | < 15 | 15-44 | 45-64 | 265 | Total |
| Diseases of the digestive system | K00-K93 | 4,655 | 22,373 | 22,863 | 19,552 | 69,443 | 3,323 | 23,184 | 22,129 | 19,194 | 67,830 | 7,978 | 45,557 | 44,992 | 38,746 | 137,273 |
| Diseases of oesophagus, stomach and duodenum | K20-K31 | 373 | 3,292 | 5,176 | 4,786 | 13,627 | 307 | 3,563 | 5,566 | 4,862 | 14,298 | 089 | 6,855 | 10,742 | 9,648 | 27,925 |
| Diseases of appendix | K35-K38 | 1,052 | 1,729 | 367 | 178 | 3,326 | 857 | 1,526 | 401 | 147 | 2,931 | 1,909 | 3,255 | 292 | 325 | 6,257 |
| Inguinal hernia | K40 | 304 | 442 | 937 | 891 | 2,574 | 63 | 41 | 47 | 72 | 223 | 367 | 483 | 984 | 896 | 2,797 |
| Noninfective enteritis and colitis | K50-K52 | 905 | 8,532 | 4,328 | 1,455 | 15,217 | 483 | 7,523 | 3,794 | 1,500 | 13,300 | 1,385 | 16,055 | 8,122 | 2,955 | 28,517 |
| Diverticular Disease of Intestine | K57 | 2 | * | 1,701 | 1,879 | 4,202 | 0 | 395 | 1,900 | 2,741 | 5,036 | \$ | * | 3,601 | 4,620 | 9,238 |
| Alcoholic liver disease | K70 | 0 | 183 | 208 | 162 | 853 | 0 | 109 | 248 | 72 | 429 | 0 | 292 | 756 | 234 | 1,282 |
| Cholelithiasis | K80 | ∞ | 413 | 811 | 1,544 | 2,776 | 2 | 1,816 | * | 1,592 | 4,872 | * | 2,229 | * | 3,136 | 7,648 |
| Diseases of the skin and subcutaneous tissue | 66T-00T | 1,097 | 8,264 | 6,447 | 6,001 | 21,809 | 996 | 7,525 | 6,057 | 5,715 | 20,263 | 2,063 | 15,789 | 12,504 | 11,716 | 42,072 |
| Cutaneous abscess, furuncle and carbuncle and cellulitis | L02-L03 | 247 | 843 | 1,009 | 1,418 | 3,517 | 212 | 238 | 579 | 1,331 | 2,660 | 459 | 1,381 | 1,588 | 2,749 | 6,177 |
| Decubitus ulcer and pressure area | F83 | \$ | * | 43 | 28 | 118 | * | * | 20 | 71 | 111 | 6 | 28 | 63 | 129 | 229 |
| Diseases of the musculoskeletal system and connective | M00-M99 | 1,347 | 5,233 | 10,065 | 9,383 | 26,028 | 1,657 | 6,916 | 13,856 | 14,770 | 37,199 | 3,004 | 12,149 | 23,921 | 24,153 | 63,227 |
| tissue | | | | | | | | | | | | | | | | |
| Rheumatoid arthritis | M05-M06 | 0 | 225 | 929 | 681 | 1,562 | \$ | * | 1,518 | 1,294 | 3,222 | \$ | * | 2,174 | 1,975 | 4,784 |
| Coxarthrosis and Gonarthrosis | M16-M17 | \$ | * | 1,464 | 1,906 | 3,530 | ₹ | * | 1,725 | 2,931 | 4,821 | \$ | * | 3,189 | 4,837 | 8,351 |
| Intervertebral disc disorders | M50-M51 | 2 | * | 293 | 261 | 1,296 | 5 | * | 929 | 442 | 1,611 | \$ | * | 1,249 | 703 | 2,907 |
| Dorsalgia (back pain) | M54 | 51 | 784 | 1,524 | 1,114 | 3,473 | 69 | 1,366 | 2,381 | 2,044 | 5,860 | 120 | 2,150 | 3,905 | 3,158 | 9,333 |
| Diseases of the genitourinary system | 66N-00N | 2,658 | 4,260 | 5,850 | 9,815 | 22,583 | 1,734 | 12,715 | 13,009 | 10,150 | 37,608 | 4,392 | 16,975 | 18,859 | 19,965 | 60,191 |
| Chronic kidney disease | N18 | 12 | 136 | 288 | 407 | 843 | 11 | 157 | 180 | 214 | 562 | 23 | 293 | 468 | 621 | 1,405 |
| Urolithiasis | N20-N23 | 48 | 1.229 | 1.565 | 688 | 3,530 | 37 | 989 | 756 | 328 | 1.807 | 85 | 1.915 | 2.321 | 1.016 | 5.337 |
| Hyperplasia of prostate | N40 | 0 | 32 | 657 | 1,394 | 2,083 | 0 | 0 | 0 | 0 | 0 | 0 | 32 | 657 | 1,394 | 2,083 |
| Disorders of breast | N60-N64 | 5 | 56 | 15 | * | 26 | 5 | 1,280 | 1,334 | * | 2,914 | ∞ | 1,306 | 1,349 | 307 | 2,970 |
| Inflammatory diseases of female pelvic organs | N70-N77 | 0 | 0 | 0 | 0 | 0 | 21 | 749 | 223 | 29 | 1,060 | 21 | 749 | 223 | 67 | 1,060 |
| Noninflammatory disorders of female genital tract | N80-N98 | 0 | 0 | 0 | 0 | 0 | 164 | 7,002 | 7,473 | 2,221 | 16,860 | 164 | 7,002 | 7,473 | 2,221 | 16,860 |
| Pregnancy, childbirth and the puerperium | 660-000 | 0 | 0 | 0 | 0 | 0 | 12 | 102,830 | 635 | 0 | 103,477 | 12 | 102,830 | 635 | 0 | 103,477 |
| Pregnancy with abortive outcome | 600-000 | 0 | 0 | 0 | 0 | 0 | 0 | 762,7 | 81 | 0 | 7,878 | 0 | 767,7 | 81 | 0 | 7,878 |
| Gestational [pregnancy-induced] hypertension | 013 | 0 | 0 | 0 | 0 | 0 | 0 | 2,669 | 46 | 0 | 2,715 | 0 | 2,669 | 46 | 0 | 2,715 |
| Diabetes mellitus in pregnancy | 024 | 0 | 0 | 0 | 0 | 0 | 0 | 1,951 | 24 | 0 | 1,975 | 0 | 1,951 | 24 | 0 | 1,975 |
| Single spontaneous delivery | 080 | 0 | 0 | 0 | 0 | 0 | \$ | 25,250 | * | 0 | 25,300 | \$ | 25,250 | * | 0 | 25,300 |
| Single delivery by forceps and vacuum extractor | 081 | 0 | 0 | 0 | 0 | 0 | \$ | 7,367 | * | 0 | 7,385 | 3 | 7,367 | * | 0 | 7,385 |
| Single delivery by caesarean section | 082 | 0 | 0 | 0 | 0 | 0 | 0 | 17,138 | 190 | 0 | 17,328 | 0 | 17,138 | 190 | 0 | 17,328 |
| Other assisted single delivery | 083 | 0 | 0 | 0 | 0 | 0 | 0 | * | 5 | 0 | 1,020 | 0 | * | 5 | 0 | 1,020 |
| Multiple delivery | 084 | 0 | 0 | 0 | 0 | 0 | 0 | 853 | 22 | 0 | 875 | 0 | 853 | 22 | 0 | 875 |
| Certain conditions originating in the perinatal period | 964-00d | * | \$ | 0 | 0 | 5,429 | 4,371 | 0 | 0 | 0 | 4,371 | * | 3 | 0 | 0 | 9,800 |
| Congenital malformations, deformations and chromosomal abnormalities | Q00-Q99 | 3,407 | 462 | 186 | 63 | 4,118 | 2,441 | 549 | 192 | 98 | 3,268 | 5,848 | 1,011 | 378 | 149 | 7,386 |
| Symptoms, signs and abnormal clinical and laboratory | R00-R99 | 5,271 | 12,338 | 17,347 | 21,274 | 56,230 | 4,591 | 18,004 | 18,586 | 20,236 | 61,417 | 9,862 | 30,342 | 35,933 | 41,510 | 117,647 |
| Pain in throat and chest | ROZ | 77 | 2 704 | 4 552 | 3 257 | 10 585 | 84 | 2 345 | 3 904 | 2 886 | 9 2 1 9 | 156 | 5 049 | 8 456 | 6143 | 19 804 |
| Abdominal and pelvic pain | R10 | 617 | 1,873 | 1,540 | 1,074 | 5,104 | 852 | 4,861 | 2,676 | 1,598 | 9,987 | 1,469 | 6,734 | 4,216 | 2,672 | 15,091 |
| Injury, poisoning and certain other consequences of external causes | 800-198 | 5,457 | 10,814 | 7,040 | 8,645 | 31,956 | 4,055 | 6,406 | 5,919 | 11,998 | 28,378 | 9,512 | 17,220 | 12,959 | 20,643 | 60,334 |
| Intracranial injury | 206 | 160 | 489 | 386 | 099 | 1,695 | 100 | 225 | 208 | 545 | 1,078 | 260 | 714 | 594 | 1,205 | 2,773 |
| Other injuries to the head (including skull fracture) | S00–S05, S07–S09 | 1,285 | 1,427 | 609 | 1,073 | 4,394 | 930 | 541 | 324 | 1,288 | 3,083 | 2,215 | 1,968 | 933 | 2,361 | 7,477 |
| Fracture of femur | S72 | 108 | 124 | 252 | 1,402 | 1,886 | 45 | 51 | 320 | 3,113 | 3,529 | 153 | 175 | 572 | 4,515 | 5,415 |
| Poisonings by drugs, medicaments and biological substances and toxic effects of substances chiefly promodizing as to course | T36–T65 | 220 | 1,220 | 469 | 154 | 2,063 | 379 | 1,601 | 627 | 264 | 2,871 | 599 | 2,821 | 1,096 | 418 | 4,934 |
| Factors influencing health status and contact with health services | U00-U49, Z00-Z99 | 2,890 | 28,690 | 79,950 | 133,021 | 247,551 | 4,622 | 47,482 | 77,537 | 84,249 | 213,890 | 10,512 | 76,172 | 157,487 | 217,270 | 461,441 |
| Care involving dialysis | 249 | 201 | 14.971 | 36.522 | 61.036 | 112.730 | 538 | 10.733 | 21.491 | 34.576 | 67.338 | 739 | 25.704 | 58.013 | 95.612 | 180.068 |
| Other medical care (including radiotherapy and | Z51 | 2,514 | 6,106 | 35,031 | 60,332 | 103,983 | 1,574 | 15,228 | 47,943 | 42,106 | 106,851 | 4,088 | 21,334 | 82,974 | 102,438 | 210,834 |
| chemotherapy sessions) | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | |

Notes:

Denotes five or fewer discharges reported to HIPE. Denotes that no breakdown is provided.

Further suppression required to prevent disclosure of five or fewer discharges. This category includes discharges in the code range U00–U49 'codes for special purposes'.

TABLE 3.12 In-Patient Discharges: Mean and Median Length of Stay (Days) by Principal Diagnosis, Sex and Age Group^a

| | ICD-10-AM | | | Male | | | | | Female | | | | Total In-Pa | atient Disc | narges | |
|---|-------------|----------------|------------|-----------|--------------|------------|-----|----------|----------|------------|-------------|----------|-------------|-------------|--------|-------|
| Principal Diagnosis | Code | < 15 | 15-44 | 45-64 | 59₹ | Total | <15 | 15-44 | 45-64 | 59₹ | Total | < 15 | 15-44 | 45-64 | 59₹ | Total |
| Total In-Patient Discharges | Mean | 3.7 | 3.8 | 6.1 | 9.5 | 6.7 | 3.8 | 2.7 | 2.0 | 9.2 | 5.1 | 3.7 | 3.0 | 2.6 | 9.5 | 5.8 |
| | Median | 1 | 1 | 2 | 2 | 3 | 2 | 2 | 2 | 2 | 2 | 1 | 2 | 2 | 2 | 2 |
| Certain infectious and parasitic diseases | A00-B99 | 2.0 | 5.3 | 8.0 | 11.9 | 7.2 | 2.1 | 4.0 | 8.9 | 10.9 | 6.7 | 2.1 | 4.6 | 7.4 | 11.4 | 7.0 |
| | | 1 | 7 | 4 | 7 | m | 1 | 7 | 4 | 9 | æ | 1 | 7 | 4 | 9 | m |
| Intestinal infectious diseases (including diarrhoea) | A00-A09 | 1.7 | 2.8 | 3.9 | 7.8 | 4.2 | 1.8 | 2.8 | 4.3 | 8.6 | 5.1 | 1.7 | 2.8 | 4.1 | 8.3 | 4.7 |
| | | H | 2 | 2 | 4 | 2 | 1 | 2 | c | 2 | 7 | П | 2 | 2 | 2 | 2 |
| Tuberculosis | A15-A19 | < | 16.0 | 19.0 | 30.5 | 18.9 | < | 11.4 | < | < | 14.2 | < | 14.0 | 18.4 | 33.5 | 17.3 |
| | | < | 13 | 11 | 18 | 13 | < | 7 | < | < | 7 | < | 10 | 11 | 16 | 10 |
| Septicaemia | A40-A41 | 6.5 | 16.0 | 12.8 | 14.7 | 14.2 | 7.8 | 9.1 | 12.5 | 14.7 | 13.5 | 7.1 | 12.2 | 12.6 | 14.7 | 13.9 |
| Human immunodeficiency virus [HIV] disease | B20-B24 | - | - | | | | - | | - | | - | | | - | - | 27.0 |
| | | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 11 |
| Neoplasms | C00-D48 | 9.6 | 9.5 | 10.2 | 11.4 | 10.6 | 5.1 | 6.3 | 8.7 | 10.6 | 9.0 | 5.3 | 7.4 | 9.5 | 11.1 | 8.6 |
| | | æ | 4 | ις | 7 | 9 | 8 | m | 4 | 9 | 2 | က | 4 | 2 | 9 | 2 |
| Malignant neoplasms | 962-002 | 0.9 | 6.6 | 10.5 | 11.8 | 11.0 | 5.3 | 8.4 | 8. ı | 11.2 | 10.1 | 5.7 | 9.1 | 10.2 | 11.5 | 10.6 |
| - | | 'n | ς · | ς · | , , | 9 0 | m | 4 6 | ς · | \ r | ر د د | 'n | 4 6 | Λ ; | \ . | ٠ و |
| Malignant neoplasm of colon, rectum and anus | C18-C21 | | 6.0 6.0 | 12.0 8 | 13.6 9 | 12.9 8 | | 8.6 | 8.6 V | 12.7 9 | 11.5 | | 8.9 V | 11.2 | 13.3 | 12.4 |
| Mailgnant neoplasm of trachea, bronchus and lung | C33-C34 | | 7.4 | 10.4 | 12.3 | 11.6 | | 8.4 | 8.6 | 12.8 | 11.8 | | 7.9 | 10.1 | 12.5 | 11.7 |
| Melanoma and other malignant neoplasms of skin | C43-C44 | | 4.0 | . 8.9 | 6.4 | 6.4 | | 5.1 | 2 5 | , r. | . 87 | | 2.5 | , 2,2 | 6.1 | 0 00 |
| | | ٠ | 2 | 2 | 2 | 2 | | 1 | П | 2 | 2 | | | 2 | 2 | 2 |
| Malignant neoplasms of breast | C50 | ٠ | < | < | < | 3.3 | | 4.0 | 5.2 | 5.7 | 5.2 | | 4.0 | 5.2 | 5.7 | 5.2 |
| | | ٠ | < | < | < | 2 | ٠ | 7 | 2 | 2 | 2 | | 2 | 2 | 7 | 2 |
| Malignant neoplasms of female genital organs | C51-C58 | | | | | | | 7.9 | 8. r. | 11.0 | 10.1 | | 7.9 | 9.8 7. | 11.0 | 10.1 |
| Malignant neoplasm of prostate | C61 | 3.0 | 3.0 | 4.3 | 11.3 | 8.0 | ٠ | | | | | 3.0 | 3.0 | 4.3 | 11.3 | 8.0 |
| | | 2 | 2 | m | 2 | m | | | ٠ | ٠ | ٠ | 7 | 2 | m | 2 | m |
| Malignant neoplasm of bladder | C 92 | < < | 5.1 | 5.2 | 8.1 | 4.7 | | 5.3 | 6.6 4 | 8. 9. 4 | 8. 4 | < < | 5.2 | 5.7 | 8.2 | 7.5 |
| Malignant neoplasms of lymphoid, haematopoietic and related | C81-C96 | 7.3 | 15.6 | 12.1 | 12.5 | 12.4 | 7.1 | 15.2 | 15.3 | 13.7 | 13.9 | 7.2 | 15.4 | 13.3 | 12.9 | 13.0 |
| tissue | | m | 2 | 9 | 9 | 9 | m | 9 | 9 | 7 | 9 | m | 2 | 9 | 9 | 9 |
| In situ neoplasms | 60G-00G | | < < | 3.8 | 5.2 | 4.7 | | 2.6 | 3.4 | 4.3 | 3.6 | | 2.6 | 3.5 | 4.7 | 3.9 |
| Benign neoplasms and neoplasms of uncertain or unknown | D10-D48 | 3.6 | 5.3 | 7.8 | 8.4 | 7.4 | 4.5 | 3.4 | 5.1 | 6.7 | 4.9 | 4.1 | 3.8 | 0.9 | 7.5 | 5.7 |
| behaviour | | н | 2 | 3 | 33 | Э | 2 | 2 | 33 | 3 | 3 | 2 | 2 | Э | 3 | 3 |
| Diseases of the blood and blood-forming organs and certain | D20-D89 | 3.2 | 5.2 | 5.9 | 6.4 | 2.8 | 3.7 | 2.8 | 3.7 | 2.7 | 4.6 | 3.5 | 3.6 | 4.7 | 6.1 | 5.1 |
| disorders involving the immune mechanism | | 7 | 7 | က | m | m | 7 | - | - | m | 7 | 7 | -1 | 7 | m | 7 |
| Endocrine, nutritional and metabolic diseases | E00-E89 | 4.2 | 6.2 | 8.1 | 10.7 | 4. 4 | 4.0 | | 6.2 | 9.4 | 7.1 | 4.1 | 8 | 7.2 | 10.1 | 7.8 |
| Diahetes mellitus | F10-F14 | 0 1 | n oc | 0 × | , « <u>«</u> | t % | 0 K | 3.7 | 7.7 | 13.7 | , × | 4.2 | v « | n « | 13 o | n o |
| | | 4 | 2 | 4 | 7 | 4 | 4 | 7 | . m | 9 | 4 | 4 | 7 | 4 | 7 | 4 |
| Cystic fibrosis | E84 | 9.4 | 15.5 | 16.1 | | 14.6 | 9.5 | 16.5 | 16.2 | < | 14.7 | 9.3 | 15.9 | 16.1 | < | 14.6 |
| | | 10 | 14 | 14 | | 14 | 10 | 14 | 16 | < | 13 | 10 | 14 | 14 | < | 14 |
| Mental and behavioural disorders | F00-F99 | 6.8 | 4.9 | 7.0 3 | 19.6 8 | 10.4 3 | 7.7 | 7.1 | 8.4 | 18.6 | 12.0 4 | 7.3 | 2.8 | 3.6 | 19.1 | 11.1 |
| Mental and behavioural disorders due to use of alcohol | F10 | 1.0 | 3.0 | 5.9 | 11.5 | 5.6 | 1.3 | 2.9 | 8.8 | 10.1 | 4.7 | 1.2 | 3.0 | 5.6 | 11.1 | 5.3 |
| | | . . | 7 7 | m [| 4 0 | 7 5 | - | 2 5 | m | 9 10 | w 6 | ↔ | 2 5 | m 1 | 7 2 | 2 2 |
| Mental and behavioural disorders due to use of other psychoactive | F11-F19 | < < | 6.3 | 6.7 | 18.8 | 6.9 | | 6.0 u | 0.8 | 12.7 | 10.0 | < < | 7.1 | 7.1 | 15.4 | 7.6 |
| Substance | | | | ٠ | > | 1 | |) | ٢ |) |) | | 1 | ٢ | > | 1 |

 TABLE 3.12
 In-Patient Discharges: Mean and Median Length of Stay (Days) by Principal Diagnosis, Sex and Age Group^a (contd.)

| | ICD-10-AM | | | Mala | | | | | olemoi | | | | Total In. D | ation + Disch | argoc | |
|---|-----------|------|-------|--------------|----------|----------|-------|----------|----------|-----------|-----------------|--------|-------------|---------------|------------------|-------------|
| Principal Diagnosis | Code | < 15 | 15-44 | 45-64 | >65 | Total | < 15 | 15-44 | 45-64 | 565 | Total | < 15 | 15-44 | 45–64 | 265 | Total |
| Diseases of nervous system | 665-005 | 3.9 | 5.8 | 8.4 | 10.5 | 8.0 | 4.0 | 3.7 | 5.7 | 9.4 | 6.0 | 3.9 | 4.5 | 7.0 | 10.0 | 6.9 |
| Multiple sclerosis | 635 | 1 < | 5.7 | 5.5 | 11.6 | 6.3 | ٠, | 4.6 | 5.7 | 11.5 | 5.7 | 1 < | 4.9 | 5.7 | 11.5 | 5.9 |
| Epilepsy | G40, G41 | 3.6 | 3.0 | 6.7 | 11.3 | 5.3 | 4.1 | 4.2 | 6.3 | 9.2 | 5.3 | 3.9 | 3.5 | 6.6 | 10.3 | 5.3 |
| F | 747 | 2 | 2 2 | 2 2 | 4 1 | 7 7 | 7 « | 2 2 | 2 0 0 | υ , | 7 7 | 7 < | 2 0 | 2 2 | 4 5 | 2 7 |
| iransient cerebrai ischaemic attacks and related syndromes | 645 | | 3.2 | 3.7 | 4 ύ ω | υ ω | : < | 1.0 | 3.0 | υ ω | 9. 9. | : < | , 2 | 3.4 2 | 4. ω | 4. H. W. |
| Diseases of the eye and adnexa | H00-H59 | 3.4 | 2.7 | 2.5 | 3.6 | 3.0 | 2.4 | 2.4 | 2.8 | 2.8 | 2.7 | 2.9 | 2.5 | 2.6 | 3.2 | 2.9 |
| Cataracts | H25-H26 | | 2.4 | 3.2 | 2.2 | 2.4 | | . < | 5 , | 1.4 | 1.5 | 1.2 | 1.9 | 2.7 | 1.7 | 1.9 |
| Other retinal disorders | H35 | 2.4 | 3.2 | 1 4 | 2.1 | 2.1 | 2.5 | < < | - K | 1 8 | 1 8 | 2.5 | 2.6 | 1.7 | 1 6 | 7 |
| | 6 | , t | 3. 60 | ; ; | 1 1 | 1 1 | T | < | ; H | ; H | | . 4 | 5.2 | ì | . . . | 7 77 |
| Diseases of the ear and mastoid process | 160-н95 | 1.4 | 1.6 | 2.2 | 3.7 | 2.3 | 1.4 | 1.6 | 2.1 | 3.1 | 2.2 | 1.4 | 1.6 | 2.2 | 3.3 | 2.2 |
| Diseases of the circulatory system | 661-001 | 3.3 | 6.5 | 7.0 | 9.1 | 8.1 | 6.8 | 5.6 | 8.8 | 9.1 | 8.2 | 4.9 | 6.1 | 6.9 | 9.1 | 8.2 |
| Hypertensive diseases | 110-115 | 4.7 | 2.0 | 2.5 | 4.4 | 3.1 | 3.1 | 1.4 | 2.1 | 3.1 | 2.5 | 4.1 | 1:8 | 2.3 | 3.5 | 2.8 |
| A series | Ğ | m | | , , | | - 1 | 2 | H . | 1 1 | , , | | c | ٠ ، | | | |
| Angina pectoris | 071 | | 2.2 | 3.7 | 3.8 2 | 3.7 | | 5.5 2 | 7.7 2 | 3.7 | 3.3 2 | | 2.3 | 3.4 2 | 3.8 | 3.6 |
| Acute myocardial infarction | 121–122 | | 3.6 | 4.5 | 6.9 | 5.7 | | 3.7 | 5.9 3 | 7.6 | 7.1 | | 3.6 | 8.8 | 7.1 | 6.1 |
| Other ischaemic heart disease | 123-125 | < < | 4.4 | 5.1 | 6.0 | 5.5 | < < | 4.9 | 4.3 | 4.6 | 5.1 | < < | 4.5 | 4.9 | 8. 6. | 5.4 |
| Pulmonary heart disease and diseases of pulmonary circulation | 126⊣28 | < < | 5.3 | 5.3 | 9.4 | 7.2 | < < | 5.2 | 8.5 | 10.4 | 0.6 | 18.1 | 5.2 | 6.6 | 6.6 | 8.1 |
| Conduction disorders and cardiac arrhythmias | 144–149 | 4.1 | 3.0 | 3.6 | 4.7 | 4.2 | 3.0 | 3.5 | 3.1 | 5.1 | 4.5 | 3.6 | 3.2 | 3.4 | 4.9 | 4.3 |
| Heart failtre | 0.51 | 2 2 | 10.2 | 10.0 | 10.0 | 10.0 | 72.8 | 12.2 | 1 28 | 301 | 10.7 | 2 41.5 | 11.0 | 2 6 4 | 10.2 | 10.3 |
| | 2 | e e | 7 | 9 | 7 | 7 | m | 4 | 9 | 7 | 7 | e e | 9 | 9 | 7 | 7 |
| Cerebrovascular disease | 691-091 | 7.6 | 22.4 | 17.3 | 17.1 | 17.4 | 17.8 | 16.8 | 15.4 | 16.3 | 16.1 8 | 12.5 | 19.8 | 16.6 6 | 16.7 | 16.8 |
| Atherosclerosis (non-coronary) | 170 | • | 9.0 | 17.1 | 17.2 | 17.0 | | 13.3 | 20.3 | 15.2 | 16.2 | | 10.7 | 17.9 | 16.5 | 16.7 |
| Diseases of the respiratory system | 66r-00f | 2.5 | 4.1 | ∞ 9 9 | 10.3 | 8.1 × | 2.6 | 3.1 | 6.1 | 9 10.0 | 9 7.3 | 2.5 | 3.6 | 7.4 | 10.2 | » 2.7 |
| | | - | 7 | 4 | 9 | 4 | 1 | 1 | m | 9 | 4 | - | 1 | 4 | 9 | 4 |
| Acute upper respiratory infections and influenza | J00-J11 | 1.6 | 2.2 | 4.9 | 10.7 | 3.6 | 1.7 | 1.8 | 4.0 1 | 11.0 | 3.8 | 1.6 | 2.0 | 4.4 1 | 10.9 | 3.7 |
| Pneumonia | J12–J18 | 7.6 | 7.6 | 12.1 | 13.0 | 12.2 | 3.6 | 7.0 | 9.2 | 12.7 | 11.1 | 5.7 | 7.3 | 10.9 | 12.9 | 11.7 |
| Unspecified lower acute respiratory infection | 122 | 3.4 | 3.2 | 5.5 | 8.7 | 7.2 | 3.8 | 2.7 | 5.1 | 8.6 F | 8.9 | 3.6 | 2.9 | 5.3 | 9.8 | 7 |
| Chronic diseases of tonsils and adenoids | 135 | 1.1 | 1.1 | 1.2 | 11 | 1.1 | 1.1 | 1.2 | 1.4 | n < | 1.1 | 1.1 | 1.2 | 1.3 | 1.1 | 1.1 |
| Character about to an Income of Section and because is about | 071 | 1 0 | 1 7 | H 0 | ₩ 0 | 1 1 | 1 0 | | 1 0 | < 0 | 1 1 | 1 7 | 1 0 | H 11 | ٠ ٢ | 1 2 2 |
| כון סוור ססטנו מכתאב למוווסופו ל מוסכפסב פוומ מוסובוובכנפסט | J47 | . m | . m | i m | , rv | ίν | 4 | 2 2 | . m | 0 | i ro | įκ | . m | , m | 5 20 | 5 |
| Asthma | J45–J46 | 1.7 | 2.2 | 3.2 | 3.7 | 2.4 | 1.9 | 2.5 | 3.2 | 4.8 | 3.0 | 1.8 | 2.4 | 3.2 | 4.5 | 2.8 |
| Diseases of the digestive system | K00-K93 | 2.8 | 4.2 | 6.0 | 8.3 | 6.0 | 3.0 | 3.7 | 5.7 | 8.7 | 0.9 | 2.9 | 4.0 | 8: | 8.5 | 6.0 |
| | | 7 | 7 | en i | 25 | en j | 7 | 7 | es i | 20 | m | 7 | 7 | es : | 20 | m |
| Diseases of oesophagus, stomach and duodenum | K20-K31 | 1.9 | 2.7 | 4.3 2 | 7.4 4 | 4.7 | 2.2 | 2.6 | 3.8 | 6.9 | 4.6 | 2.1 | 2.6 | 4.0 | 7.1 | 4.7 |

 TABLE 3.12
 In-Patient Discharges: Mean and Median Length of Stay (Days) by Principal Diagnosis, Sex and Age Group^a (contd.)

| | 700 70 | | | -1-04 | | | | | - Lame | | | | Totalla | 1 | | |
|--|---------|------|-------|------------------|------------|-------------|------|----------|------------|------------|----------------|----------|---------|---------------|---------------|-------|
| Principal Diagnosis | Code | < 15 | 15-44 | 1VIAILE 45–64 | >65 | Total | <15 | 15-44 | 45-64 | >65 | Total | < 15 | 15-44 | 45 <u>-64</u> | aliges >65 | Total |
| | מכא זכא | , | 1 | 40 0 | | lotai | 77, | 10.0 | 1, 7 | 7 | . O.G. | , , | + 0 | 1 5 | | 10tal |
| Diseases of appendix | N33-K38 | 3.1 | 2.9 | υ ω | o 10 | 5.3 | 4 ω | 6.3 | 4. 1. E | 1.7 | 5.4 | 3.2 2 | 6.3 | 4 4 ω | o.o o ru | 5.6 |
| Inguinal hernia | K40 | 1.6 | 1.2 | 1.5 | 3.0 | 2.2 | 2.3 | 4.2 | 2.5 | 8.4 | 3.9 | 1.7 | 1.5 | 1.6 | 3.2 | 2.3 |
| | ! | П | Н | 1 | Н | 1 | 2 | 1 | 1 | 2 | 1 | П | 1 | П | н | Н |
| Noninfective enteritis and colitis | K50-K52 | 5.6 | 7.1 | 7.0 | 9.4 | 7.4 | 4.4 | 5.6 | 6.7 | 8.2 | 6.5 | 5.1 | 6.4 | 6.9 | 8.7 | 6.9 |
| Diverticular Disease of Intestine | K57 | | 4.3 | 4.9 | 6.5 | 5.4 | , | 3.7 | 4.4 | 7.8 | 6.1 | . < . | 4.1 | 4.7 | 7.3 | 8.6 |
| A | 2 | < | , c | ν - τ | 4 . | , t | | 7 7 7 | ب س | 4 1 | ν _ε | < | , t | ب د ر | 4 (| ν 4 |
| Alcoholic liver disease | K/0 | | 10.3 | 15.1 | 14.5 9 | 13.9 8 | | 13.6 | 15.8 10 | 16./ 11 | 15.4 | | 11.6 | 15.3 9 | 15.2 | 14.4 |
| Cholelithiasis | K80 | 3.2 | 5.8 | 4.7 | 8.1 | 6.7 | < . | 3.1 | 3.7 | 8.1 | 4.9 | 3.0 | 3.6 | 4.1 | 8.1 | 5.6 |
| | | m e | 2 5 | m | 9 , | 4 , | < (| 2 2 | 2 - | 5 6 | m | m (| 2 5 | 2 5 | 9 1 | m |
| Diseases of the skin and subcutaneous tissue | 667-007 | 2.4 | 3.1 | 6.9 | 9.1 | 93 | 7.8 | 2.5 | 5.4 8. | 10.0 | e, e | 2.6 | 2.9 | e. e. | ຍ. ເບີ່ວ | 6.2 |
| Cutaneous abscess, furuncle and carbuncle and cellulitis | L02-L03 | 2.8 | 4.0 | 5.7 | 8.5 | 6.3 | 3.1 | 2.9 | 5.4 | 8.8 | 6.4 | 2.9 | 3.6 | 9.5 | 8.7 | 6.3 |
| | | 2 | 2 | ĸ | 2 | m | 2 | 2 | co | 2 | m | 7 | 2 | co | 2 | 33 |
| Decubitus ulcer and pressure area | 687 | < < | 11.5 | 35.2 | 22.8 | 25.8 | < < | 10.9 | 32.2 | 29.4 | 27.7 | 19.5 | 11.2 | 34.2 | 26.4 | 26.7 |
| Diseases of the musculoskeletal system and connective tissue | M00-M99 | 4.2 | 3.2 | 5.3 | 7.3 | 5.7 | 4.2 | 3.4 | 3.4 | 6.8 | 2.0 | 4.2 | 3.3 | 4.3 | 7.0 | 5.3 |
| | | 2 | 1 | 2 | m | 7 | 7 | 1 | -1 | က | 7 | 7 | 1 | 7 | က | 2 |
| Rheumatoid arthritis | M05-M06 | | 3.5 | 4.1 | 6.4 6.4 | 4.4 4. k | < < | 5.7 | 4.7 | 8.4 | | < < | 5.0 | 4.5 | 5.5 | 5.2 |
| Coxarthrosis and Gonarthrosis | M16-M17 | < | 2.8 | 3.9 | 5.4 | 8.4 | < | 3.4 | 4.0 | 5.9 | 5.2 | < | 3.0 | 3.9 | 5.7 | 5.0 |
| | | < | 2 | m | 4 | m | < | m | m | 4 | 4 | < | m | m | 4 | 4 |
| Intervertebral disc disorders | M50-M51 | < < | 2.5 | 5.2 | 6.6 | 4.6 2 | | 3.0 | 3.7 | 7.8 | 4.4 | < < | 2.7 | 4.5 | 7.3 | 4.5 |
| Dorsalgia (back pain) | M54 | 2.0 | 1.8 | 2.4 | 2.0 | 3.2 | 2.5 | 1.9 | 2.2 | 6.5 | 3.7 | 2.3 | 1.9 | 2.3 | 5.9 | 3.5 |
| | | П | П | н | н | н | - | н | н | 7 | П | П | - | н | 2 | 7 |
| Diseases of the genitourinary system | 00N-00N | 2.5 | 2.6 | 4.6 8 | 9.7 | e, e, | 2.7 | 2.7 | 4.2 | 9.6 | τυ 80 επ | 2.6 | 2.7 | 4. 4. w | 9.7 | 6.0 |
| Chronic kidney disease | N18 | 5.5 | 9.5 | 7.7 | 10.4 | 9.3 | 10.1 | 6.7 | 9.7 | 9.1 | 80 | 7.6 | 8.0 | 8.4 | 10.0 | 9.1 |
| | | က | 9 | 9 | 2 | 9 | 6 | 9 | 2 | 9 | 9 | 2 | 9 | 9 | 9 | 9 |
| Urolithiasis | N20-N23 | 3.2 | 1.9 | 2.3 | 3.7 | 2.4 | 2.6 | 2.3 | 3.0 | 4.0 | 2.9 | 3.0 | 2.1 | 2.5 | 3.8 | 2.6 |
| Hyperplasia of prostate | N40 | | < < | 9.8 8 | 4.2 | 9.0 | | | | | | | < < | 3.4 | 4.2 | 9.0 |
| Disorders of breast | N60-N64 | < < | 2.4 | < < | < < | 3.9 | < < | 2.0 | 2.1 | 5.9 | 2.5 | < < | 2.0 | 2.1 | 6.3 | 2.5 |
| Inflammatory diseases of female pelvic organs | N70-N77 | ٠ | | ٠ | ٠ | | 3.5 | 2.4 | 3.5 | 7.0 | 2.9 | 3.5 | 2.4 | 3.5 | 7.0 | 2.9 |
| | | | | | | | 2 | 2 | 7 | m | 7 | 7 | 2 | 7 | m | 2 |
| Noninflammatory disorders of female genital tract | 86N-08N | • | • | | | | 1.9 | 2.0 | 2.6 | 3.6 | 2.5 | 1.9 | 2.0 | 2.6 | 3.6 | 2.5 |
| Pregnancy, childbirth and the puerperium | 660-000 | | | | | | 3.4 | 1 2.5 | 3.7 | m ' | 2.5 | 3.4 | 2.5 | 3.7 | י מי | 2.5 |
| | | • | • | | | | e | 7 | e | | 7 | e | 7 | e | | 7 |
| Pregnancy with abortive outcome | 600-000 | | | | | | 1 1 | 1.3 | 1.2 | | 1.3 | | 1.3 | 1.2 | | 1.3 |
| Gestational Inregnancy-induced hypertension | 013 | | | • | | | | 2.3 | 2.4 | | 2.3 | | 2.3 | 2.4 | | 2.3 |
| | | • | • | • | • | | ٠ | П | 2 | , | 1 | • | 1 | 7 | ٠ | 1 |
| Diabetes mellitus in pregnancy | 024 | | | | 1 1 | | | 2.4 | 1.3 | | 2.4 | | 2.4 | 1.3 | | 2.4 |
| Single spontaneous delivery | 080 | • | • | ٠ | ٠ | | < | 2.3 | 2.9 | ٠ | 2.3 | < | 2.3 | 2.9 | ٠ | 2.3 |
| | | • | 1 | | , | | < | 2 | æ | | 2 | < | 2 | æ | | 2 |

TABLE 3.12 In-Patient Discharges: Mean and Median Length of Stay (Days) by Principal Diagnosis, Sex and Age Group^a (contd.)

| | ICD-10-AM | | | Male | | | | | Female | | | | Total In-P | otal In-Patient Discharges | narges | |
|---|-----------|------|-------|-------|------|-------|------|-------|--------|------|-------|------|------------|----------------------------|--------|-------|
| Principal Diagnosis | Code | < 15 | 15-44 | 45-64 | >65 | Total | <15 | 15-44 | 45-64 | >65 | Total | < 15 | 15-44 | 45-64 | 59⋜ | Total |
| Single delivery by forceps and vacuum extractor | 081 | • | • | | | | < | 3.0 | 4.0 | ٠ | 3.0 | < | 3.0 | 4.0 | • | 3.0 |
| | | | • | • | | | < | 3 | 4 | • | 3 | < | m | 4 | • | æ |
| Single delivery by caesarean section | 082 | • | | | | | | 4.0 | 4.5 | | 4.0 | | 4.0 | 4.5 | | 4.0 |
| | | • | • | • | | , | | 4 | 4 | | 4 | | 4 | 4 | | 4 |
| Other assisted single delivery | 083 | | • | | | | | 5.9 | < | | 5.9 | | 5.9 | < | | 2.9 |
| | | • | • | • | | • | | ĸ | < | | က | | m | < | | က |
| Multiple delivery | 084 | • | • | | | | | 5.1 | 5.7 | | 5.1 | | 5.1 | 2.7 | | 5.1 |
| | | • | • | | | | | 4 | 2 | | 4 | | 4 | 2 | | 4 |
| Certain conditions originating in the perinatal period | P00-P96 | 7.7 | < | | | 7.7 | 8.4 | | | | 8.4 | 8.0 | < | | | 8.0 |
| | | æ | < | | | m | က | | | | က | m | < | | | ĸ |
| Congenital malformations, deformations and chromosomal | Q00-Q99 | 8.9 | 4.8 | 0.9 | 5.9 | 8.3 | 9.7 | 6.9 | 9.9 | 4.0 | 7.4 | 8.3 | 5.9 | 6.3 | 4.8 | 7.8 |
| abnormalities | | 2 | 7 | m | m | 7 | 7 | 7 | 4 | æ | 7 | 7 | 7 | m | æ | 7 |
| Symptoms, signs and abnormal clinical and laboratory findings, not | R00-R99 | 1.7 | 1.6 | 2.4 | 4.8 | 3.1 | 1.8 | 1.6 | 2.2 | 4.7 | 7.8 | 1.8 | 1.6 | 5.3 | 4.7 | 5.9 |
| elsewhere classified | | 1 | 1 | 1 | 7 | - | - | 1 | 1 | 7 | 1 | 1 | - | - | 7 | 1 |
| Pain in throat and chest | R07 | 1.1 | 1.0 | 1.5 | 2.1 | 1.5 | 1.3 | 1.0 | 1.3 | 5.0 | 1.5 | 1.2 | 1.0 | 1.4 | 2.1 | 1.5 |
| | | 1 | 1 | 1 | 1 | 1 | 1 | Н | 1 | 7 | 1 | 1 | 1 | 1 | 1 | 1 |
| Abdominal and pelvic pain | R10 | 1.2 | 1.4 | 2.1 | 2.9 | 1.8 | 1.4 | 1.5 | 2.1 | 3.2 | 1.8 | 1.3 | 1.4 | 2.1 | 3.1 | 1.8 |
| | | 1 | П | П | П | П | ⊣ | ₩ | Н | 7 | ⊣ | П | н | н | Н | П |
| Injury, poisoning and certain other consequences of external causes | S00-T98 | 1.7 | 3.3 | 5.9 | 12.6 | 6.3 | 1.7 | 5.9 | 5.2 | 12.4 | 7.4 | 1.7 | 3.2 | 2.6 | 12.5 | 6.9 |
| | | 1 | 1 | 7 | 9 | 7 | 1 | 1 | 7 | 7 | 7 | 1 | 1 | 7 | 9 | 7 |
| Intracranial injury | 908 | 4.2 | 11.1 | 11.6 | 15.9 | 12.6 | 5.5 | 9.9 | 12.1 | 12.7 | 10.7 | 4.8 | 9.7 | 11.8 | 14.5 | 11.8 |
| | | 1 | 1 | m | 9 | m | -1 | н | 2 | 9 | 3 | 1 | 1 | 7 | 9 | æ |
| Other injuries to the head (including skull fracture) | S00-S05, | 1.2 | 1.8 | 3.7 | 9.7 | 3.4 | 1.0 | 1.6 | 3.2 | 8.1 | 4.4 | 1.1 | 1.7 | 3.6 | 7.9 | 3.9 |
| | 807-809 | ₽ | П | П | 7 | н | ₽ | ₽ | Н | က | ⊣ | 1 | н | н | 7 | П |
| Fracture of femur | 572 | 3.3 | 10.4 | 13.1 | 19.9 | 17.4 | 2.8 | 8.9 | 12.4 | 17.6 | 16.8 | 3.2 | 10.0 | 12.7 | 18.3 | 17.0 |
| | | 2 | 2 | ∞ | 13 | 11 | 7 | 9 | 7 | 11 | 11 | 7 | S | 7 | 12 | 11 |
| Poisonings by drugs, medicaments and biological substances and | T36-T65 | 1.2 | 2.8 | 3.9 | 7.8 | 3.3 | 1.8 | 2.7 | 3.4 | 6.5 | 3.1 | 1.6 | 2.7 | 3.6 | 7.0 | 3.1 |
| toxic effects of substances chiefly nonmedicinal as to source | | 1 | 1 | 7 | 4 | 1 | 7 | H | 7 | 3 | 7 | 1 | 1 | 7 | æ | 1 |
| Factors influencing health status and contact with health services ^b | U00-U49, | 5.6 | 7.8 | 8.0 | 13.4 | 9.0 | 2.7 | 1.0 | 9.6 | 18.6 | 4.9 | 2.7 | 1.5 | 6.9 | 16.0 | 6.1 |
| | 66Z-00Z | 2 | 1 | 7 | гo | 7 | 7 | 1 | 7 | 6 | 1 | 7 | - | 7 | 9 | 1 |
| Care involving dialysis | Z49 | • | 1.5 | 1.5 | 1.8 | 1.7 | | 1.9 | 1.6 | 2.1 | 1.9 | | 1.7 | 1.6 | 1.9 | 1.7 |
| | | • | 1 | 1 | 1 | 1 | | + | 1 | 2 | 1 | | 1 | 1 | 1 | 1 |
| Other medical care (including radiotherapy and chemotherapy | Z51 | 8.9 | 9.3 | 11.8 | 23.5 | 18.7 | 11.0 | 3.1 | 6.6 | 33.5 | 25.5 | 10.0 | 4.8 | 11.1 | 29.5 | 22.6 |
| sessions) | | 4 | က | က | 17 | 11 | æ | П | 4 | 22 | 17 | က | П | က | 21 | 15 |

Notes:

Denotes that length of stay calculation was based on five or fewer discharges. Length of stay cannot be calculated as no in-patients are reported.

Denotes that no breakdown is provided.

Includes length of stay for total in-patients (includes sameday and overnight in-patients). Excludes day patients. This category includes discharges in the code range U00–U49 'codes for special purposes'. е Ф

74 | Activity in Acute Public Hospitals 2020

 TABLE 3.13
 Total Discharges: All-Listed Diagnoses by Sex and Age Group (N)

| Diagnosis | ICD-10- | ı | ı | Male | ı | | | | Female | | | | 12 | rotal Discharges | 9 | |
|---|----------|---------|---------|---------|-----------|-----------|---------|---------|---------|-------------|-----------|---------|-----------|------------------|-----------|-----------|
| | Code | <15 | 15-44 | 45–64 | 59₹ | Total | < 15 | 15-44 | 45-64 | 59⋜ | Total | < 15 | 15-44 | 45-64 | 59⋜ | Total |
| Total Discharges | 1 | 51,426 | 124,618 | 216,205 | 321,922 | 714,171 | 41,111 | 265,246 | 215,121 | 264,296 | 785,774 | 92,537 | 389,864 | 431,326 | 586,218 | 1,499,945 |
| All Conditions | 1 | 126,568 | 297,543 | 586,601 | 1,026,776 | 2,037,488 | 103,316 | 746,415 | 549,296 | 842,283 | 2,241,310 | 229,884 | 1,043,958 | 1,135,897 | 1,869,059 | 4,278,798 |
| Certain infectious and parasitic diseases | A00-B99 | 5,229 | 9,243 | 11,477 | 20,616 | 46,565 | 4,725 | 10,679 | 9,288 | 21,568 | 46,260 | 9,954 | 19,922 | 20,765 | 42,184 | 92,825 |
| Intestinal infectious diseases (including | A00-A09 | 1,299 | 1,867 | 2,228 | 3,727 | 9,121 | 1,163 | 3,190 | 2,711 | 5,275 | 12,339 | 2,462 | 5,057 | 4,939 | 9,002 | 21,460 |
| Tuberculosis | A15-A19 | 5 | 107 | 44 | * | 192 | 2 | 84 | 22 | * | 136 | 7 | 191 | 99 | 64 | 328 |
| Septicaemia | A40-A41 | 121 | 457 | 1.413 | 4,406 | 6.397 | 108 | 545 | 1.106 | 3,464 | 5,223 | 229 | 1.002 | 2.519 | 7.870 | 11.620 |
| Human immunodeficiency virus [HIV] disease | B20-B24 | | - | # | - | * | + | + | - | # | # | + | # | * | + | 495 |
| Neoplasms | C00-D48 | 6,435 | 17,676 | 88,156 | 146,765 | 259,032 | 5,347 | 39,776 | 120,652 | 111,276 | 277,051 | 11,782 | 57,452 | 208,808 | 258,041 | 536,083 |
| Malignant neoplasms | 962-002 | 5,787 | 14,141 | 78,904 | 130,474 | 229,306 | 4,698 | 31,200 | 108,735 | 99,723 | 244,356 | 10,485 | 45,341 | 187,639 | 230,197 | 473,662 |
| Malignant neoplasm of colon, rectum and anus | C18-C21 | 2 | * | 7,198 | 9,955 | 18,078 | 0 | 1,116 | 4,659 | 5,492 | 11,267 | 3 | * | 11,857 | 15,447 | 29,345 |
| Malignant neoplasm of trachea, bronchus and | C33-C34 | 0 | 309 | 5,513 | 9,440 | 15,262 | 0 | 367 | 5,202 | 8,472 | 14,041 | 0 | 929 | 10,715 | 17,912 | 29,303 |
| Melanoma and other malignant neonlasms of | C43-C44 | \$ | * | 3 044 | 11 616 | 15 228 | 2 | * | 2 091 | 5 353 | 8 142 | \$ | * | 5 135 | 16 969 | 23 370 |
| skin | | | | | 2,1 | 0,71 | | | 100,7 | ה ה ה | 2,14 | | | 2 | 000 | 0.00 |
| Malignant neoplasms of breast | C20 | 0 | ∞ | 70 | 162 | 240 | 0 | 11,142 | 31,406 | 18,583 | 61,131 | 0 | 11,150 | 31,476 | 18,745 | 61,371 |
| Malignant neoplasms of female genital organs | C51-C58 | 0 | 0 | 0 | 0 | 0 | 28 | 1,809 | 7,293 | 606'9 | 16,039 | 28 | 1,809 | 7,293 | 606'9 | 16,039 |
| Malignant neoplasm of prostate | C61 | 40 | 82 | 8,526 | 24,550 | 33,198 | 0 | 0 | 0 | 0 | 0 | 40 | 82 | 8,526 | 24,550 | 33,198 |
| Malignant neoplasm of bladder | C67 | 43 | 71 | 668 | 3,218 | 4,231 | 0 | 28 | 464 | 820 | 1,312 | 43 | 66 | 1,363 | 4,038 | 5,543 |
| Malignant neoplasms of lymphoid, haematonoietic and related tissue | C81-C96 | 3,147 | 3,371 | 099'6 | 17,735 | 33,913 | 1,904 | 2,528 | 6,170 | 11,302 | 21,904 | 5,051 | 5,899 | 15,830 | 29,037 | 55,817 |
| In situ neonlasms | P00-000 | 36 | 68 | 472 | 1.736 | 2.333 | 5 | * | 2.823 | 2.418 | 6.401 | * | * | 3.295 | 4.154 | 8.734 |
| Benign neoplasms and neoplasms of uncertain or unknown behaviour | D10-D48 | 612 | 3,446 | 8,780 | 14,555 | 27,393 | 647 | 7,418 | 9,094 | 9,135 | 26,294 | 1,259 | 10,864 | 17,874 | 23,690 | 53,687 |
| Diseases of the blood and blood-forming organs | D50-D89 | 2,732 | 4,095 | 7,123 | 16,116 | 30,066 | 1,964 | 9,622 | 7,207 | 14,666 | 33,459 | 4,696 | 13,717 | 14,330 | 30,782 | 63,525 |
| and certain disorders involving the immune mechanism | | | | | | | | | | | | | | | | |
| Endocrine, nutritional and metabolic diseases | E00-E89 | 2,594 | 12,833 | 42,398 | 79,483 | 137,308 | 2,507 | 15,387 | 24,482 | 59,012 | 101,388 | 5,101 | 28,220 | 088'99 | 138,495 | 238,696 |
| Diabetes mellitus | E10-E14 | 326 | 5,685 | 28,241 | 57,492 | 91,774 | 534 | 965'9 | 14,266 | 35,346 | 56,742 | 890 | 12,281 | 42,507 | 92,838 | 148,516 |
| Cystic fibrosis | E84 | 211 | 1,176 | * | \$ | 1,543 | 229 | 1,037 | * | * | 1,377 | 440 | 2,213 | 258 | 6 | 2,920 |
| Mental and behavioural disorders | F00-F99 | 1,877 | 9,448 | 10,349 | 15,583 | 37,257 | 1,327 | 7,262 | 6,131 | 15,751 | 30,471 | 3,204 | 16,710 | 16,480 | 31,334 | 67,728 |
| Mental and behavioural disorders due to use of | F10 | 37 | 3,910 | 6,243 | 3,420 | 13,610 | 34 | 1,620 | 2,503 | 1,289 | 5,446 | 71 | 5,530 | 8,746 | 4,709 | 19,056 |
| alcohol | | 6 | | | | | | | | , | | , | | | | |
| Mental and benavioural disorders due to use of other psychoactive substance | F11-F19 | 70 | 7,8/1 | 1,051 | 11/ | 4,059 | ! | 1,355 | 394 | • | 1,863 | • | 4,226 | 1,445 | • | 276,5 |
| Diseases of nervous system | 665-005 | 2,776 | 2,867 | 8,142 | 12,632 | 29,417 | 2,371 | 9,755 | 8,919 | 11,071 | 32,116 | 5,147 | 15,622 | 17,061 | 23,703 | 61,533 |
| Multiple sclerosis | 635 | 7 | 1,246 | 942 | 242 | 2,437 | 00 | 2,920 | 2,011 | 475 | 5,414 | 15 | 4,166 | 2,953 | 717 | 7,851 |
| Epilepsy | G40, G41 | 798 | 1,139 | 852 | 616 | 3,405 | 762 | 1,157 | 260 | 540 | 3,019 | 1,560 | 2,296 | 1,412 | 1,156 | 6,424 |
| Transient cerebral ischaemic attacks and related | G45 | 0 | 62 | 410 | 1,276 | 1,748 | 2 | * | 338 | 1,244 | 1,634 | Ş | * | 748 | 2,520 | 3,382 |
| syndromes Diseases of the eve and adnexa | H00-H59 | 1.005 | 2.642 | 7.141 | 21.164 | 31.952 | 857 | 3.161 | 6.200 | 26.636 | 36.854 | 1.862 | 5.803 | 13.341 | 47.800 | 98.80 |
| Cataracts | H25-H26 | 16 | 117 | 926 | 3,755 | 4,864 | 18 | 66 | 1,027 | 5,113 | 6,257 | 34 | 216 | 2,003 | 8,868 | 11,121 |
| Other retinal disorders | H35 | 121 | 611 | 2,808 | 10,427 | 13,967 | 79 | 502 | 1,975 | 14,344 | 16,900 | 200 | 1,113 | 4,783 | 24,771 | 30,867 |
| Diseases of the ear and mastoid process | H60-H95 | 1,732 | 1,285 | 1,250 | 1,382 | 5,649 | 1,212 | 1,475 | 1,428 | 1,427 | 5,542 | 2,944 | 2,760 | 2,678 | 2,809 | 11,191 |
| Diseases of the circulatory system | 661-001 | 1,245 | 6,297 | 7777 | 69,505 | 106,824 | 1,461 | 7,065 | 14,548 | 52,920 | 75,994 | 2,706 | 13,362 | 44,325 | 122,425 | 182,818 |
| Hypertensive diseases | 110-115 | 88 | 1,071 | 4,043 | 6,671 | 11,873 | 379 | 2,070 | 2,452 | 7,808 | 12,709 | 467 | 3,141 | 6,495 | 14,479 | 24,582 |
| Angina pectoris | 120 | 0 | 101 | 1,166 | 1,667 | 2,934 | 0 | 30 | 465 | 875 | 1,370 | 0 | 131 | 1,631 | 2,542 | 4,304 |
| Acute myocardial infarction | 121-122 | 0 | 265 | 2,348 | 3,354 | 2,967 | 2 | * | 268 | 1,973 | 2,613 | 5 | * | 2,916 | 5,327 | 8,580 |
| Other ischaemic heart disease | 123-125 | * | * | 5,769 | 8,977 | 15,195 | ₹ | * | 1,661 | 3,806 | 2,600 | 6 | 573 | 7,430 | 12,783 | 20,795 |
| Pulmonary heart disease and diseases of pulmonary circulation | 126–128 | 42 | 283 | 793 | 1,401 | 2,519 | 73 | 337 | 574 | 1,558 | 2,542 | 115 | 620 | 1,367 | 2,959 | 5,061 |
| Conduction disorders and cardiac arrhythmias | 144–149 | 218 | 886 | 4,899 | 17,290 | 23,395 | 189 | 837 | 1,949 | 12,388 | 15,363 | 407 | 1,825 | 6,848 | 29,678 | 38,758 |
| | | | | | | | | | | | | | | | | |

 TABLE 3.13
 Total Discharges: All-Listed Diagnoses by Sex and Age Group (N) (contd.)

| Diagnosis | ICD-10- | | | Male | | | | | Female | | | | 2 | Fotal Discharges | | |
|--|-----------------|--------|------------|----------|--------|---------------|----------|---------|--------|--------|---------|---------------|----------|------------------|----------|---------|
| | AM | <15 | 15-44 | 45–64 | 59⋜ | Total | < 15 | 15-44 | 45–64 | 59⋜ | Total | < 15 | 15–44 | 45–64 | >65 | Total |
| The state of the s | COME | 33 | 621 | 1 473 | 0.174 | 10.051 | 77 | 113 | 71.7 | 7 446 | 0 214 | 32 | 700 | 3 105 | 16.630 | 10 165 |
| Combination | 051 | 76 | 7/1 | 1,475 | 9,1/4 | 7007 | ‡ 5 | 252 | 717 | 7,440 | 6,014 | 175 | 760 | 2,103 | 0 200 | 19,103 |
| Atherosclerosis (non-coronary) | 120 | t ≀ | * | 534 | 1.541 | 2.110 | g 0 | 19 | 203 | 805 | 1.027 | ~ | * | 737 | 2.346 | 3.137 |
| Diseases of the respiratory system | 661-001 | 2,800 | 7,528 | 15,609 | 39,336 | 68,273 | 4,541 | 8,656 | 13,597 | 34,552 | 61,346 | 10,341 | 16,184 | 29,206 | 73,888 | 129,619 |
| Acute upper respiratory infections and influenza | J00-J11 | 1,954 | 895 | 550 | 696 | 4,368 | 1,582 | 1,415 | 619 | 1,066 | 4,682 | 3,536 | 2,310 | 1,169 | 2,035 | 9,050 |
| Pneumonia | J12-J18 | 240 | 972 | 2,739 | 8,319 | 12,270 | 197 | 829 | 1,979 | 6,795 | 9,800 | 437 | 1,801 | 4,718 | 15,114 | 22,070 |
| Unspecified lower acute respiratory infection | 122 | 498 | 853 | 1,907 | 969'9 | 9,894 | 437 | 1,004 | 1,548 | 5,909 | 8,898 | 935 | 1,857 | 3,455 | 12,545 | 18,792 |
| Chronic diseases of tonsils and adenoids | 135 | 810 | 301 | 41 | 21 | 1,173 | 751 | 637 | 22 | 24 | 1,467 | 1,561 | 938 | 96 | 45 | 2,640 |
| Chronic obstructive pulmonary disease and | J40–J44, | 99 | 388 | 2,581 | 9,432 | 12,467 | 52 | 392 | 2,701 | 9,046 | 12,191 | 118 | 780 | 5,282 | 18,478 | 24,658 |
| Asthma | 145-146 | 678 | 750 | 1541 | 912 | 3 881 | 342 | 1 633 | 2 041 | 1 152 | 5 218 | 1 070 | 2 383 | 3 582 | 2 064 | 660 6 |
| Diseases of the digestive system | K00-K93 | 6.262 | 34.957 | 49.088 | 54.351 | 144.658 | 4.478 | 39.018 | 45.542 | 51.421 | 140.459 | 10.740 | 73.975 | 94.630 | 105.772 | 285.117 |
| Diseases of oesophagus, stomach and duodenum | K20-K31 | 577 | 7.914 | 14.172 | 14.918 | 37.581 | 476 | 8,026 | 13,753 | 14.230 | 36,485 | 1.053 | 15,940 | 27.925 | 29,148 | 74,066 |
| Diseases of appendix | K35-K38 | 1,101 | 1,786 | 400 | 210 | 3,497 | 886 | 1,626 | 441 | 177 | 3,130 | 1,987 | 3,412 | 841 | 387 | 6,627 |
| Inguinal hernia | K40 | 400 | 456 | 866 | 1,074 | 2,928 | 64 | 45 | 51 | 91 | 251 | 464 | 501 | 1,049 | 1,165 | 3,179 |
| Noninfective enteritis and colitis | K50-K52 | 926 | 9,171 | 4,944 | 1,954 | 17,028 | 524 | 8,309 | 4,469 | 2,075 | 15,377 | 1,483 | 17,480 | 9,413 | 4,029 | 32,405 |
| Diverticular Disease of Intestine | K57 | \$ | * | 3,821 | 5,581 | 10,353 | 0 | 682 | 3,879 | 6,516 | 11,077 | | * | 7,700 | 12,097 | 21,430 |
| Alcoholic liver disease | K70 | 0 | 495 | 1,673 | 694 | 2,862 | 0 | 256 | 691 | 272 | 1,219 | 0 | 751 | 2,364 | 996 | 4,081 |
| Cholelithiasis | K80 | 13 | 473 | 1,013 | 2,125 | 3,624 | 7 | 2,071 | 1,687 | 2,173 | 5,938 | 20 | 2,544 | 2,700 | 4,298 | 9,562 |
| Diseases of the skin and subcutaneous tissue | 661-001 | 1,690 | 9,611 | 9,710 | 14,937 | 35,948 | 1,520 | 10,084 | 8,584 | 13,580 | 33,768 | 3,210 | 19,695 | 18,294 | 28,517 | 69,716 |
| Cutaneous abscess, furuncle and carbuncle and cellulitis | L02-L03 | 364 | 1,217 | 1,771 | 3,242 | 6,594 | 291 | 882 | 1,065 | 2,930 | 5,168 | 655 | 2,099 | 2,836 | 6,172 | 11,762 |
| Decubitus ulcer and pressure area | F83 | 14 | 155 | 685 | 2.744 | 3,598 | 32 | 104 | 311 | 2.472 | 2.919 | 46 | 259 | 966 | 5,216 | 6.517 |
| Diseases of the musculoskeletal system and | -00M | 1,832 | 7,370 | 14,333 | 17,407 | 40,942 | 2,226 | 13,158 | 18,957 | 24,825 | 59,166 | 4,058 | 20,528 | 33,290 | 42,232 | 100,108 |
| connective tissue | 66W | | į | į | į | | | 4 | | į | į | | 4 | ! | | 1 |
| Rheumatoid arthritis | M05- M06 | 0 | 251 | 758 | 911 | 1,920 | \$ | * | 1,714 | 1,673 | 3,874 | 2 | * | 2,472 | 2,584 | 5,794 |
| Coxarthrosis and Gonarthrosis | M16- | ł | * | 1,578 | 2,323 | 4,107 | ž | * | 1,880 | 3,518 | 5,596 | 9 | 398 | 3,458 | 5,841 | 9,703 |
| Intervertebral disc disorders | M50- | \$ | * | 794 | 517 | 1,839 | \$ | * | 857 | 797 | 2,281 | \$ | * | 1,651 | 1,284 | 4,120 |
| | M51 | | | | | | | | | | | | | | | |
| Dorsalgia (back pain) | M54 | 98 | 1,088 | 2,063 | 1,969 | 5,206 | 109 | 3,274 | 3,108 | 3,278 | 9,769 | 195 | 4,362 | 5,171 | 5,247 | 14,975 |
| Diseases of the genitourinary system | N000-N99 | 4,116 | 15,997 | 36,513 | 81,064 | 137,690 | 3,336 | 31,309 | 36,449 | 56,434 | 127,528 | 7,452 | 47,306 | 72,962 | 137,498 | 265,218 |
| Uronic Klaney disease | NTS N23 | 967 | 055.1 | 1832 | 1047 | 43,940 | 940 | 7,442 | 13,984 | 26,962 | 2 316 | 124 | 7,735 | 38,800 | 75,134 | 132,974 |
| Hyperplasia of prostate | N40 | ţ | 69 | 1,35 | 3.184 | 4 3 8 8 | 9 0 | | 820 | 9 | 015,2 | † C | 69 | 1 135 | 3 184 | 4 3 8 8 |
| Disorders of breast | N60-N64 | ∞ ∞ | 33 | 21 | 32 | 94 | · ∞ | 1,752 | 1,806 | 518 | 4,084 | 16 | 1,785 | 1,827 | 550 | 4,178 |
| Inflammatory diseases of female pelvic organs | N70-N77 | 0 | 0 | 0 | 0 | 0 | 26 | 2,434 | 649 | 333 | 3,472 | 26 | 2,434 | 649 | 333 | 3,472 |
| Noninflammatory disorders of female genital tract | N80-N98 | 0 | 0 | 0 | 0 | 0 | 272 | 12,978 | 11,769 | 3,984 | 29,003 | 272 | 12,978 | 11,769 | 3,984 | 29,003 |
| Pregnancy, childbirth and the puerperium | 660-000 | 0 | 0 | 0 | 0 | 0 | 56 | 247,812 | 1,686 | 0 | 249,524 | 56 | 247,812 | 1,686 | 0 | 249,524 |
| Pregnancy with abortive outcome | - 000 000 | 0 | 0 | 0 | 0 | 0 | 3 | 21,560 | * | 0 | 21,786 | 2 | 21,560 | * | 0 | 21,786 |
| Gestational [pregnancy-induced] hypertension | 013 | 0 | 0 | 0 | 0 | 0 | 0 | 4,440 | 75 | 0 | 4,515 | 0 | 4,440 | 75 | 0 | 4,515 |
| Diabetes mellitus in pregnancy | 024 | 0 | 0 | 0 | 0 | 0 | \$ | 11,457 | * | 0 | 11,593 | \$ | 11,457 | * | 0 | 11,593 |
| Single spontaneous delivery | 080 | 0 | 0 | 0 | 0 | 0 | \$ | 26,429 | * | 0 | 26,481 | \$ | 26,429 | * | 0 | 26,481 |
| Single delivery by forceps and vacuum extractor | 081 | 0 | 0 | 0 | 0 | 0 | 2 | 7,823 | * | 0 | 7,842 | 2 | 7,823 | * | 0 | 7,842 |
| Single delivery by caesarean section | 082 | 0 | 0 | 0 (| 0 | 0 (| 0 (| 18,648 | 213 | 0 (| 18,861 | 0 (| 18,648 | 213 | 0 (| 18,861 |
| Other assisted single delivery | 083 | 0 | o 0 | - | 0 | > 0 | - | , 500 | : 10 | 0 | 1,098 | > 0 | , , | | - | 1,038 |
| Cortain conditions originating in the noringtal noring | PO0- | 14 820 | > ₹ | > ≀ | 0 | 14 822 | 12 000 | 994 | ۲, | 0 | 1,021 | 028.90 | 499 | 2 | • | 1,021 |
| Congenital malformations deformations and | 867-000 | 8 685 | 1 519 | 1 070 | 285 | 11,850 | 7.030 | 1 894 | 1 055 | 311 | 10 290 | 15 715 | 3.413 | 2 125 | 897 | 22,833 |
| chromosomal abnormalities | } | | | | | | | | | } | | Ì | <u> </u> | Ì | i | |
| Symptoms, signs and abnormal clinical and laboratory findings, not elsewhere classified | R00-R99 | 10,575 | 25,395 | 41,236 | 74,794 | 152,000 | 9,024 | 51,138 | 40,666 | 68,221 | 169,049 | 19,599 | 76,533 | 81,902 | 143,015 | 321,049 |
| Pain in throat and chest | R07 | 119 | 3,308 | 5,578 | 4,473 | 13,478 | 125 | 3,695 | 4,922 | 4,053 | 12,795 | 244 | 7,003 | 10,500 | 8,526 | 26,273 |
| Abdominal and pelvic pain | R10 | 962 | 2,625 | 2,447 | 2,014 | 7,882 | 1,052 | 11,100 | 3,904 | 2,850 | 18,906 | 1,848 | 13,725 | 6,351 | 4,864 | 26,788 |
| Injury, poisoning and certain other consequences of | S00-T98 | 7,415 | 20,640 | 14,831 | 19,211 | 62,097 | 2,367 | 11,753 | 10,562 | 22,364 | 50,046 | 12,782 | 32,393 | 25,393 | 41,575 | 112,143 |
| external causes | | | | | | | | | | | | | | | | |

TABLE 3.13 Total Discharges: All-Listed Diagnoses by Sex and Age Group (N) (contd.)

| Diagnosis | ICD-10- | | | Male | | | | | Female | | | | ĭ | Total Discharges | 10 | |
|--|---------------------|--------|--------|---------|---------|---------|--------|---------|---------|---------|---------|--------|---------|------------------|---------|-----------|
| | AM Code | <15 | 15-44 | 45-64 | ≥65 | Total | < 15 | 15-44 | 45–64 | 59₹ | Total | <15 | 15-44 | 45–64 | ≥65 | Total |
| Intracranial injury | 908 | 255 | 912 | 759 | 1,163 | 3,089 | 135 | 383 | 378 | 226 | 1,873 | 390 | 1,295 | 1,137 | 2,140 | 4,962 |
| Other injuries to the head (including skull fracture) | S00-S05, S07-S09 | 1,595 | 3,061 | 1,782 | 3,017 | 9,455 | 1,148 | 1,070 | 864 | 3,252 | 6,334 | 2,743 | 4,131 | 2,646 | 6,269 | 15,789 |
| Fracture of femur | S72 | 128 | 171 | 279 | 1,598 | 2,176 | 51 | 29 | 351 | 3,408 | 3,869 | 179 | 230 | 630 | 2,006 | 6,045 |
| Poisonings by drugs, medicaments and biological substances and toxic effects of substances chiefly nonmedicinal as to source | T36–T65 | 271 | 2,495 | 1,012 | 348 | 4,126 | 513 | 3,132 | 1,262 | 601 | 5,508 | 784 | 5,627 | 2,274 | 949 | 9,634 |
| External causes of morbidity and mortality | U50-Y98 | 17,928 | 38,262 | 30,454 | 49,687 | 136,331 | 13,418 | 26,404 | 25,109 | 57,864 | 122,795 | 31,346 | 64,666 | 55,563 | 107,551 | 259,126 |
| Transport accidents | V01-V99 | 609 | 1,513 | 807 | 375 | 3,304 | 362 | 790 | 378 | 249 | 1,779 | 971 | 2,303 | 1,185 | 624 | 5,083 |
| Factors influencing health status and contact with health services ^a | U00-U49, Z00-Z99 | 21,810 | 928'99 | 167,943 | 292,157 | 548,786 | 18,579 | 201,007 | 148,234 | 198,384 | 566,204 | 40,389 | 267,883 | 316,177 | 490,541 | 1,114,990 |
| Care involving dialysis | Z49 | 201 | 14,971 | 36,534 | 61,048 | 112,754 | 538 | 10,734 | 21,494 | 34,579 | 67,345 | 739 | 25,705 | 58,028 | 95,627 | 180,099 |
| Other medical care (including radiotherapy and chemotherapy sessions) | 251 | 2,638 | 6,583 | 37,814 | 67,554 | 114,589 | 1,682 | 15,922 | 50,777 | 48,257 | 116,638 | 4,320 | 22,505 | 88,591 | 115,811 | 231,227 |

Denotes five or fewer discharges reported to HIPE. Denotes that no breakdown is provided. Notes:

 * Further suppression required to prevent disclosure of five or fewer discharges. a This category includes discharges in the code range U00–U49 'codes for special purposes'.

Total Discharges by Principal Procedure, Sex and Age Group

In 2020, 79.6 per cent of total discharges had a principal procedure recorded (see Table 3.4). Discussion of procedures is confined to ACHI chapter level.

Table 3.14 provides a breakdown of principal procedure by sex and age group.

- Procedures from the chapter Non-invasive, cognitive and other interventions, not elsewhere classified accounted for 29.0 per cent of total discharges with a principal procedure reported. Over 41 per cent of discharges aged less than 15 years, 24.4 per cent aged between 15-44 years, 27.3 per cent aged between 45-64 years and 31.4 per cent aged 65 years and over had a procedure from this chapter recorded as a principal procedure.
- Almost 63 per cent of total discharges with a principal procedure from the chapter Procedures on urinary system were males. Procedures from this chapter accounted for 17.6 per cent of total discharges with a principal procedure reported.
- Almost 32 per cent of female discharges aged between 15-44 years who underwent a procedure recorded a principal procedure from the chapter Obstetric procedures.
- Procedures from the chapter Procedures on digestive system accounted for 11.5 per cent of total discharges with a principal procedure reported, over 72 per cent of these were aged 45 years and over.

3.4.5 In-Patient Mean and Median Length of Stay by Principal Procedure, Sex and Age Group

Table 3.15 presents the in-patient mean and median length of stay for principal procedure by sex and age group. The analysis presented here includes total inpatient (sameday and overnight) discharges, and excludes day patients. These measures include pre-operative and post-operative length of stay. It should also be noted that this analysis by length of stay does not take into account the status of the patient on discharge. For example, a patient may be transferred to another facility on discharge. Care must be taken, therefore, in interpreting the data on length of stay presented in Table 3.15, in the absence of information on discharge destination.³⁶

At chapter level, Radiation oncology procedures reported the longest inpatient mean length of stay at 20.1 days. It should be noted that the majority of discharges with Radiation oncology procedures recorded as a principal procedure were day patients and are therefore not included in Table 3.15.

- The longest in-patient mean length of stay for those aged less than 15 years and those aged between 15–44 years was reported for the chapter *Procedures on respiratory system* at 16.8 days and 15.0 days respectively. For the two older age groups the longest in-patient mean length of stay was reported for the chapter *Radiation oncology procedures* at 20.7 days for those aged between 45–64 years and 20.9 days for those aged 65 years and over.
- The shortest in-patient mean lengths of stay were reported for the chapters
 Procedures on ear and mastoid process at 2.2 days and *Gynaecological procedures* at 2.8 days for total discharges.

3.4.6 All-Listed Procedures by Sex and Age Group

Table 3.16 provides details of all-listed procedures reported by sex and age group for total discharges. As one principal procedure and up to 19 secondary procedures may be collected as applicable per discharge, the total number of procedures will not equal the number of total discharges.

- Over 2.2 million procedures were reported for total discharges.
- Procedures within the chapter *Non-invasive, cognitive and other interventions, not elsewhere classified* accounted for 1,013,762 of all-listed procedures or 45.3 per cent of all procedures reported for total discharges.
- Males accounted for 66.1 per cent of procedures from the chapter Procedures on cardiovascular system.
- Total discharges aged less than 15 years accounted for just over 60 per cent
 of procedures from the chapter *Dental Services* and for 35.1 per cent of
 procedures from the chapter *Procedures on ear and mastoid process*.

TABLE 3.14 Total Discharges: Principal Procedure by Sex and Age Group (N)

| Principal Procedure | Procedure | | | Male | | | | | Female | | | | _ | Total Discharges | ges | |
|--|-------------------------------|--------|---------|---------|---------|---------|--------|---------|---------|---------|---------|--------|---------|------------------|---------|-----------|
| | Block | < 15 | 15-44 | 45–64 | 59₹ | Total | <15 | 15-44 | 45–64 | 59₹ | Total | < 15 | 15-44 | 45-64 | 59⋜ | Total |
| Total Discharges | | 51,426 | 124,618 | 216,205 | 321,922 | 714,171 | 41,111 | 265,246 | 215,121 | 264,296 | 785,774 | 92,537 | 389,864 | 431,326 | 586,218 | 1,499,945 |
| All Principal Procedures | 0001–2016 | 32,590 | 97,322 | 181,556 | 276,402 | 587,870 | 24,452 | 178,016 | 180,504 | 223,406 | 606,378 | 57,042 | 275,338 | 362,060 | 499,808 | 1,194,248 |
| Procedures on nervous system | 0001-0086 | 869 | 2,371 | 3,570 | 2,614 | 9,253 | 298 | 3,611 | 4,847 | 3,723 | 12,779 | 1,296 | 5,982 | 8,417 | 6,337 | 22,032 |
| Lumbar puncture | 0030 | 473 | 611 | 503 | 450 | 2,037 | 402 | 1,162 | 669 | 413 | 2,676 | 875 | 1,773 | 1,202 | 863 | 4,713 |
| Procedures on endocrine system | 0110-0129 | 11 | 110 | 179 | 138 | 438 | 15 | 400 | 484 | 265 | 1,164 | 56 | 510 | 663 | 403 | 1,602 |
| Procedures on eye and adnexa | 0160-0256 | 436 | 1,584 | 5,411 | 15,505 | 22,936 | 374 | 1,117 | 3,993 | 19,692 | 25,176 | 810 | 2,701 | 9,404 | 35,197 | 48,112 |
| Extraction of crystalline lens | 200 | 20 | 29 | 729 | 2,736 | 3,552 | 28 | 99 | 777 | 3,714 | 4,585 | 48 | 133 | 1,506 | 6,450 | 8,137 |
| Procedures on ear and mastoid process | 0300-0333 | 1,130 | 803 | 285 | 499 | 3,014 | 783 | 814 | 674 | 447 | 2,718 | 1,913 | 1,617 | 1,256 | 946 | 5,732 |
| Application insertion or removal procedures on retina choroid or posterior chamber | 0209 | 18 | 691 | 3,330 | 11,004 | 15,043 | 4 | 444 | 2,168 | 14,237 | 16,853 | 22 | 1,135 | 5,498 | 25,241 | 31,896 |
| Myringotomy | 0309 | 553 | 99 | 52 | 44 | 715 | 324 | 74 | 24 | 27 | 479 | 877 | 140 | 106 | 71 | 1,194 |
| Procedures on nose, mouth and pharvnx | 0370-0422 | 1,298 | 2,068 | 1,846 | 1,449 | 6,661 | 1,041 | 2,190 | 1,635 | 1,097 | 5,963 | 2,339 | 4,258 | 3,481 | 2,546 | 12,624 |
| Tonsillectomy or adenoidectomy | 0412 | 651 | 244 | 40 | * | 952 | 609 | 264 | 24 | ₹. | 1,202 | 1,260 | 808 | . 49 | . 22 | 2,154 |
| Dental services | 0450-0490 | 994 | 472 | 166 | 97 | 1,729 | 802 | 909 | 146 | 64 | 1,620 | 1,799 | 1,077 | 312 | 161 | 3,349 |
| Procedures on respiratory system | 0520-0572 | 1,783 | 1,620 | 3,544 | 2,609 | 12,556 | 1,345 | 1,168 | 2,971 | 4,579 | 10,063 | 3,128 | 2,788 | 6,515 | 10,188 | 22,619 |
| Bronchoscopy with/without biopsy | 0543—0544, 90163-01 [0545] | 81 | 434 | 1,020 | 1,435 | 2,970 | 54 | 362 | 950 | 1,215 | 2,581 | 135 | 962 | 1,970 | 2,650 | 5,551 |
| Procedures on cardiovascular system | 2220-0090 | 718 | 4,405 | 12,819 | 11,879 | 29,821 | 708 | 2,140 | 6,360 | 6,369 | 15,577 | 1,426 | 6,545 | 19,179 | 18,248 | 45,398 |
| Coronary angiography | 8990 | 26 | 377 | 2,976 | 3,390 | 6,799 | 38 | 160 | 1,526 | 2,181 | 3,905 | 94 | 537 | 4,502 | 5,571 | 10,704 |
| Transluminal coronary angioplasty | 0670-0671 | \$ | * | 1,608 | 1,668 | 3,421 | \$ | * | 331 | 209 | 974 | \$ | * | 1,939 | 2,275 | 4,395 |
| with/without stenting | 0230 6230 | c | * | * | 000 | 793 | c | 5 | * | 33 | 90 | c | 7 | 02.0 | 7.70 | 033 |
| CABG | 9070-2020 | | 926 | 385 | 188 | 204 | 0 0 | 757 | 805 | 977 | 1 221 | 0 | 7 28 9 | 27.9 | 374 | 2 1 3 3 |
| Drocodures on blood and blood forming | 0/2/-0/28 | 901 | 677 | 200 | 1 377 | 7777 | 9 | 127 | 377 | 072 | 1,331 | 305 | 080 | 1 696 | 2 215 | 2,133 |
| Procedures on discrition sucham | 0000-001/ | 170 | 15 520 | 27 600 | 75.50 | 2,727 | 1 505 | 10 004 | 37.165 | 707.66 | 2,203 | 607 | 0.00 | 1,050 | 2,213 | 070,5 |
| Procedures on algestive system | 0850-1011 | 6/1/2 | 15,330 | 24,639 | 20,02 | 760,60 | T,505 | 10,004 | 24,103 | 12/157 | 00,201 | 9,004 | 34,414 | 40,004 | 50,416 | 15/,5/0 |
| Fibreoptic colonoscopy with/without excision | 0905, 0911 | 55 | 5,650 | 10, 164 | 11,028 | 26,897 | 30 | 6,747 | 10,087 | 9,483 | 26,347 | 82 | 12,397 | 20,251 | 20,511 | 53,244 |
| Appendicectomy | 0956 | 974 | 1,545 | 305 | 118 | 2,942 | 789 | 1,409 | 325 | 96 | 2,619 | 1,763 | 2,954 | 630 | 214 | 5,561 |
| Procedures for haemorrhoids | 0941 | ł | 578 | 296 | * | 1,413 | 0 | 556 | 501 | 250 | 1,307 | 2 | 1,134 | 1,097 | * | 2,720 |
| Cholecystectomy | 962 | \$ | 230 | 397 | * | 961 | 3 | 1,100 | 862 | * | 2,329 | 9 | 1,330 | 1,259 | 969 | 3,290 |
| Division of abdominal adhesions | 9860 | \$ | 28 | 45 | * | 140 | 3 | 139 | 94 | * | 324 | 12 | 167 | 139 | 146 | 464 |
| Repair of inguinal and obstructed hernia | 7660,0660 | 299 | 431 | 913 | 812 | 2,455 | 09 | 51 | 83 | 106 | 300 | 359 | 482 | 966 | 918 | 2,755 |
| Panendoscopy with/without excision | 1005-1008 | 256 | 5,054 | 8,259 | 8,901 | 22,470 | 252 | 6,276 | 9,218 | 7/0,6 | 24,823 | 208 | 11,330 | 17,477 | 17,978 | 47,293 |
| Procedures on urinary system | 1040-1129 | 513 | 17,488 | 42,264 | 71,369 | 131,634 | 743 | 13,164 | 25,566 | 38,654 | 78,127 | 1,256 | 30,652 | 67,830 | 110,023 | 209,761 |
| Haemodialysis | 1060 | 506 | 15,033 | 36,806 | 61,653 | 113,698 | 549 | 10,829 | 21,688 | 34,970 | 68,036 | 755 | 25,862 | 58,494 | 96,623 | 181,734 |
| Examination procedures on bladder | 1089 | 24 | 783 | 2,398 | 4,664 | 7,869 | 24 | 934 | 1,698 | 1,907 | 4,563 | 48 | 1,717 | 4,096 | 6,571 | 12,432 |
| (includes cystoscopy) Procedures on male genital organs | 1160–1203 | - | - | + | - | + | - | + | + | + | • | 2,008 | 1,081 | 1,919 | 1,881 | 6,889 |
| Prostatectomy | 1166-1167 | 0 | 10 | 395 | 444 | 849 | 0 | 0 | 0 | 0 | 0 | 0 | 10 | 395 | 444 | 849 |
| Circumcision | 30653-00[1196] | 837 | 317 | 162 | 101 | 1,417 | 0 | 0 | 0 | 0 | 0 | 837 | 317 | 162 | 101 | 1,417 |
| Gynaecological procedures | 1240-1299 | - | # | - | - | # | # | + | # | # | # | 4 | 11,904 | 8,680 | 2,321 | 22,969 |
| Oophorectomy and salpingo-oophorectomy | 1243, 1252 | 0 | 0 | 0 | 0 | 0 | 3 | 287 | 339 | * | 725 | \$ | 287 | 339 | * | 725 |
| Salpingectomy | 1251 | 0 | 0 | 0 | 0 | 0 | \$ | 194 | 27 | * | 231 | \$ | 194 | 27 | * | 231 |
| Examination procedures on uterus | 1259 | 0 | 0 | 0 | 0 | 0 | 3 | 1,702 | 2,903 | * | 5,179 | \$ | 1,702 | 2,903 | * | 5,179 |
| Curettage and evacuation of uterus | 1265 | 0 | 0 | 0 | 0 | 0 | s | 5,010 | 1,931 | * | 7,260 | 5 | 5,010 | 1,931 | * | 7,260 |
| Hysterectomy | 1268-1269 | 0 | 0 | 0 | 0 | 0 | 0 | 309 | 933 | 446 | 1,688 | 0 | 309 | 933 | 446 | 1,688 |
| Repair of prolapse of uterus, pelvic floor or enterorele | 1283 | 0 | 0 | 0 | 0 | 0 | 0 | 23 | 189 | 205 | 447 | 0 | 23 | 189 | 205 | 447 |
| Obstetric procedures | 1330-1347 | 0 | 0 | 0 | 0 | 0 | ş | 56,476 | * | 0 | 56,801 | 2 | 56,476 | * | 0 | 56,801 |
| Analgesia and anaesthesia during labour | 1333 | 0 | 0 | 0 | 0 | 0 | 0 | 73 | 0 | 0 | 73 | 0 | 73 | 0 | 0 | 73 |
| and delivery procedure | | | | | | | | | | | | | | | | |

TABLE 3.14 Total Discharges: Principal Procedure by Sex and Age Group (N) (contd.)

| duction of labour deliverntation of labour delivery sxtraction d with delivery | 415 | 15-44 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 | 45–64 0 0 0 | 265 | Total 0 0 | < 15 | 15-44 | 45–64 | >65 | Total | <15 ~ | 15–44 | 45–64 | ≥65 | Total |
|--|----------|---|----------------------|--------|-----------------|--------|--------|--------|--------|---------|--------|--------|--------|---------|---------|
| abour | | 0 0 0 0 0 0 0 0 0 7,88,7 | 0000 | 0 0 0 | 0 0 | 5 | 1 / 28 | | c | 1 115 | 2 | 1,438 | * | c | |
| aponr | | 0 0 0 0 0 0 7,189 | 000 | 0 0 | 0 | | 1,130 | * | > | L++',1 | | | | > | 1,445 |
| | | 0 0 0 0 0 7,189 7 | 0 0 | 0 | | 0 | 396 | 0 | 0 | 396 | 0 | 396 | 0 | 0 | 396 |
| | | 0 0 0 0 7,189 * | С | | 0 | 5 | 25,181 | * | 0 | 25,232 | 2 | 25,181 | * | 0 | 25,232 |
| | | 0 0 0 0 7,189 * | | 0 | 0 | 3 | 1,960 | \$ | 0 | 1,965 | 3 | 1,960 | 2 | 0 | 1,965 |
| | | 0 0 0 7,189 | 0 | 0 | 0 | 0 | 5,944 | 14 | 0 | 5,958 | 0 | 5,944 | 14 | 0 | 5,958 |
| | | 0 0 7,189 * | 0 | 0 | 0 | 0 | * | \$ | 0 | 61 | 0 | * | 5 | 0 | 61 |
| | | 0 0 7,189 * | 0 | 0 | 0 | 0 | 19,315 | 239 | 0 | 19,554 | 0 | 19,315 | 239 | 0 | 19,554 |
| | | 0 7,189 * | 0 | 0 | 0 | 0 | 119 | 0 | 0 | 119 | 0 | 119 | 0 | 0 | 119 |
| | | 7,189 | 0 | 0 | 0 | 0 | * | \$ | 0 | 1,064 | 0 | * | 2 | 0 | 1,064 |
| | | * ^ | 7,577 | 7,082 | 24,877 | 2,601 | 4,564 | 9,264 | 11,571 | 28,000 | 5,630 | 11,753 | 16,841 | 18,653 | 52,877 |
| | | 7 | 280 | 1,252 | 1,903 | 3 | * | 009 | 1,904 | 2,567 | 3 | * | 1,180 | 3,156 | 4,470 |
| Arthropiasty of knee | | | 296 | 459 | 762 | 0 | ∞ | 352 | 664 | 1,024 | 0 | 15 | 648 | 1,123 | 1,786 |
| Dermatological and plastic procedures 1600–1718 | 3 2,541 | 10,269 | 9,337 | 12,076 | 34,223 | 1,953 | 726'6 | 8,642 | 9,078 | 29,650 | 4,494 | 20,246 | 17,979 | 21,154 | 63,873 |
| Excision of lesion of skin and subcutaneous 1620 | 257 | 2,930 | 4,103 | 6,803 | 14,093 | 227 | 4,017 | 4,097 | 4,815 | 13,156 | 484 | 6,947 | 8,200 | 11,618 | 27,249 |
| tissue | | | | | | | | | | | | | | | |
| Other debridement of skin and 1628 subcutaneous tissue | 168 | 626 | 476 | 339 | 1,609 | 104 | 237 | 218 | 221 | 780 | 272 | 863 | 694 | 260 | 2,389 |
| Skin graft 1640–1650 | 0 13 | 35 | 32 | 20 | 130 | 11 | 24 | 35 | 49 | 119 | 24 | 59 | 29 | 66 | 249 |
| Procedures on breast 1740–1759 | • | 56 | 56 | * | 71 | * | 3,230 | 3,799 | * | 8,909 | 00 | 3,256 | 3,825 | 1,891 | 8,980 |
| Breast biopsy 1743–1744 | 0 | 9 | 17 | 16 | 39 | s | 2,359 | 2,608 | * | 6,461 | 2 | 2,365 | 2,625 | * | 6,500 |
| Mastectomy 1747–1748 | 9 | 3 | 9 | \$ | 13 | 0 | * | 319 | * | 753 | 0 | 204 | 325 | 237 | 992 |
| Radiation oncology procedures 1786–1800 | 0 420 | 2,905 | 18,961 | 34,733 | 57,019 | 252 | 7,171 | 22,610 | 19,859 | 49,892 | 672 | 10,076 | 41,571 | 54,592 | 106,911 |
| Non-invasive, cognitive and other 1820–1923 interventions, not elsewhere classified | 3 13,215 | 27,937 | 45,407 | 80,131 | 166,690 | 10,213 | 39,120 | 53,560 | 76,726 | 179,619 | 23,428 | 67,057 | 98,967 | 156,857 | 346,309 |
| Administration of blood and blood products 1893 | 1,676 | 1,975 | 3,196 | 7,862 | 14,709 | 936 | 2,704 | 3,399 | 6,343 | 13,382 | 2,612 | 4,679 | 6,595 | 14,205 | 28,091 |
| Conduction anaesthesia 1909 | 0 | 2 | 2 | \$ | 11 | 0 | s | \$ | 5 | 10 | 0 | * | 6 | 5 | 21 |
| Cerebral anaesthesia 1910 | 13 | 12 | 15 | 16 | 99 | 10 | 12 | 14 | 10 | 46 | 23 | 24 | 53 | 56 | 102 |
| Imaging services ^a 1940–2016 | 5 1,511 | 1,042 | 2,329 | 3,356 | 8,238 | 1,341 | 1,009 | 2,011 | 2,423 | 6,784 | 2,852 | 2,051 | 4,340 | 5,779 | 15,022 |
| Computerised tomography scan 1952–1966 | 5 181 | 304 | 758 | 1,353 | 2,596 | 117 | 175 | 734 | 807 | 1,833 | 298 | 479 | 1,492 | 2,160 | 4,429 |
| Magnetic resonance imaging | 1,054 | 71 | 09 | 40 | 1,225 | 863 | 87 | 74 | 47 | 1,071 | 1,917 | 158 | 134 | 87 | 2,296 |

Notes:

Denotes five or fewer discharges reported to HIPE. Further suppression required to prevent disclosure of five or fewer discharges.

Denotes that no breakdown is provided. See Appendix V for information on updated Australian Coding Standard (ACS) 0042 *Procedures normally not coded* in ICD-10-AM 8th edition.

TABLE 3.15 In-Patient Discharges: Mean and Median Length of Stay (Days) by Principal Procedure, Sex and Age Group^a

| Principal Procedure | Procedure | | | Male | | | | | Female | | | | Total In- | Patient Disch | arges | |
|--|------------------------|----------|-----------|--------------|-------------|----------|-----------|----------|-----------|-------------|------------|------|-----------|---------------|------------|------------|
| | Block | < 15 | 15-44 | 45-64 | 565 | Total | <15 | 15-44 | 45-64 | >65 | Total | < 15 | 15-44 | 45-64 | >65 | Total |
| Total In-Patient Discharges | Mean | 3.7 | 3.8 | 6.1 | 9.2 | 6.7 | 3.8 | 2.7 | 2.0 | 9.5 | 5.1 | 3.7 | 3.0 | 5.6 | 9.5 | 5.8 |
| | Median | 1 | 1 | 2 | 25 | 3 | 2 | 2 | 2 | 2 | 2 | 1 | 2 | 2 | 2 | 2 |
| All Principal Procedures | 0001–2016 | 5.7 | 5.9 | 0.6 | 12.2 | 6.7 | 6.2 | 3.7 | 9.7 | 12.3 | 7.4 | 5.9 | 4.2 | 8.3 | 12.3 | 8.3 |
| | | 2 | 2 | 4 | 7 | 2 | 2 | 3 | 4 | 7 | 3 | 2 | 3 | 4 | 7 | 4 |
| Procedures on nervous system | 0001-0086 | 6.5 | 7.7 | 10.0 | 15.7 | 10.3 | 6.5 | 5.9 | 6'6 | 14.1 | 8.9 | 6.5 | 9.9 | 6.6 | 14.9 | 9.6 |
| ٠ | | 4 | m i | <u>ن</u> | ∞ · | ю ; | 4 | m i | 4 | ∞ ; | 4 | 4 | m | ; ا | ∞ ; | Б |
| Lumbar puncture | 0030 | 5.4 4 | 0.7 | 12.0 6 | 21.6 14 | 11.0 | 5.3 | 3.5 | 11.1 5 | 20.0 12 | 9.3 4 | 5.4 | 6.0 | 11.5 | 20.9 13 | 10.0 |
| Procedures on endocrine system | 0110-0129 | 6.5 | 5.5 | 3.8 | 8.9 | 2.8 | 2.9 | 4.0 | 3.7 | 4.0 | 3.9 | 4.5 | 4.4 | 3.8 | 2.8 | 4.5 |
| | | 7 5 | 7 : | 7 ; | 4 ; | m | m | 7 5 | 7 6 | 7 5 | 7 1 | 7 10 | 7 . | 7 ; | m | 7 0 |
| Procedures on eye and adnexa | 0160-0256 | 2.8 | 2.5 | 2.4 | 4.4 | 3.2 | 2.2 | 2.2 | 2.3 | 1 | 2.7 | 2.5 | 2.4 | 2.4 | 3.8 1 | 3.0 |
| Extraction of crystalline lens | 0200 | 1.6 | 3.4 | 5.9 | 2.4 | 5.6 | 1.2 | 1.0 | 2.1 | 2.9 | 2.4 | 1.3 | 2.4 | 2.5 | 2.7 | 2.5 |
| | | П | 3 | ₽ | н | П | П | н | н | н | н | П | 1 | ₽ | ᆏ | н |
| Application insertion or removal procedures on | 0209 | < < | 0.7 | 1.5 | 2.2 | 1.9 | < < | < < | 1.4 | 1.9 | 1.9 | < < | 0.8 | 1.4 | 7 7 | 1.9 |
| Procedures on ear and mastoid process | 0300-0333 | 1.7 | 2.1 | 2.9 | 4.2 | 2.4 | 1.2 | 1.7 | 2.4 | 4.3 | 2.0 | 1.5 | 1.9 | 2.6 | 4.2 | 2.2 |
| | | 1 | 1 | 1 | 7 | 1 | 1 | 1 | 1 | 2 | 1 | 1 | 1 | 1 | 2 | 1 |
| Myringotomy | 0309 | 1.4 | < < | < < | < < | 1.4 | 1.4 | 2.7 | < < | < < | 1.7 | 1.4 | 2.4 | < < | < < | 1.6 |
| Consider the Constant of the C | 02.00 | · ; | 1.7 | . 0 | . 0 | 7 0 | ٠, ٢ | 7 0 | | | 7 0 | ٠, ٢ | 1 0 | : 4 | . 0 | ٠, |
| riocedules of flose, floddi and pilatylix | 03/0-0422 | 1 1 | 1 | , T | , m | ţ ⊣ | 1 1 | 1 1 | 3.2 | 7.7 | 1.0 | 1.2 | 1 | ; ⊣ | 3 6 | 1.0 |
| Tonsillectomy or adenoidectomy | 0412 | 1:1 | 1.2 | 1.3 | 2.3 | 1.2 | 1.1 | 1.8 | 1.8 | < 4 | 1.5 | 1.1 | 1.6 | 1.5 | 2.2 | 1.3 |
| Dental services | 0420-0490 | 3.6 | 3.0 | ₹ 9.9 | ∃ °6 | 4.6 | 1.4 | 7.0 | 2.1 | 11.1 | 2.7 | 7.6 | 2.5 | 5.9 | 9.7 | 3.7 |
| | | н | 7 | 7 | 5 | П | 1 | п | 7 | æ | 1 | 1 | 1 | 7 | 4 | 1 |
| Procedures on respiratory system | 0520-0572 | 16.2 | 14.2 | 19.8 | 17.8 | 17.5 | 17.7 | 16.5 | 13.9 | 16.7 | 16.2 | 16.8 | 15.0 | 17.3 | 17.3 | 16.9 |
| | | , | , | 10 | 11 | 6 | ∞ | , | ∞ | 11 | 6 | 00 | | 6 | 11 | 6 |
| Bronchoscopy with/without biopsy | 0543–0544, 90163-01 | o. e. | 11.4 | 13.2 | 15.6 11 | 13.9 | 36 | 6.8 6 | 12.1 9 | 15 12 | 14.5 10 | 21.9 | 10.5 | 12.7 9 | 15.3 11 | 14.2 10 |
| | [0545] | ! | 1 | , | , | 1 | | 1 | , | | , | | , | į | , | , |
| Procedures on cardiovascular system | 0000-0777 | 13.7 | 7.5 8. | 9.9 3 | 8.3 E. 4 | 0.7 4 | 16.3 7 | 7.7 | 0.0 3 | 8.5 7. 4 | 8.2 | 14.9 | 7.4 8 | 6.4 3 | 8.4 4 | 8.0 |
| Coronary angiography | 8990 | 3.7 | 4.2 | 4.8 | 5.9 | 5.3 | 8.4 | 4.8 | 4.1 | 5.6 | 5.1 | 5.8 | 4.4 | 4.6 | 8. 6 | 5.2 |
| Transluminal coronary angioplasty with/without | 0670-0671 | , , | 3.3 | 3.2 | 4.3 | 3.7 | | 2.8 | 3.8 | 5.1 | 4.6 | . ' | 3.2 | 3.8. | 4.5 | 3.9 |
| stenting | | • | 2 | 2 | 2 | 2 | | 2 | 2 | က | 2 | | 2 | 2 | 2 | 2 |
| CABG | 0672-0679 | | 12.3 | 14.5 | 17.4 | 16.1 | | < < | 13.6 | 19.1 | 17.3 | | 12.0 | 14.4 | 17.7 | 16.3 |
| Leg varicose vein ligation | 0727-0728 | | 1.0 | 1 1 | 11 | 1.1 | | 1.0 | 1.0 | 4.2 | 1.9 | | 1.0 | 1 1 | 2.7 | 1.5 |
| | | | н | н | П | П | • | н | ਜ | н | н | | П | н | н | н |
| Procedures on blood and blood-forming organs | 0800-0817 | 13.1 | 15.7 | 18.8 | 15.2 | 16.3 | 11.0 | 13.6 | 14.7 | 17.4 | 15.3 | 12.0 | 14.7 | 16.9 | 16.1 | 15.9 |
| Procedures on digestive system | 0850-1011 | 5.5 | 5.5 | 9.3 | 12.9 | 9.7 | 5.6 | 5.2 | 6.8 | 13.7 | 9.6 | 5.5 | 5.3 | 9.5 | 13.3 | 9.6 |
| | | 2 | m | 'n | 7 | ιn | m | m | 10 | ∞ | ιn | m | m | ıs | ∞ | ъ |
| Fibreoptic colonoscopy with/without excision | 0905, 0911 | 5.4 | 6.5 | 10.6 | 11.8 | 10.4 | < | 6.2 | 8.3 | 12.2 | 6.6 | 5.9 | 6.3 | 9.5 | 12.0 | 10.2 |
| | | 4 | 2 | 2 | 7 | 9 | < | 4 | 2 | 7 | 9 | 9 | 2 | 2 | 7 | 9 |
| Appendicectomy | 0926 | 3.0 | 2.8 | 4.υ ε. ε. | 6.1 | 3.2 | 3.2 | 2.9 | o. e. | 6.6 | 3.2 | 3.1 | 2.8 | 4.1 | 6.3 | 3.2 |
| Procedures for haemorrhoids | 0941 | < | 2.0 | 2.7 | 3.1 | 2.5 | | 2.3 | 2.1 | 4.1 | 2.9 | < | 2.1 | 2.4 | 3.7 | 2.7 |
| | | < | П | 2 | 2 | Н | • | П | н | 3 | 2 | < | 1 | Н | 2 | 2 |

TABLE 3.15 In-Patient Discharges: Mean and Median Length of Stay (Days) by Principal Procedure, Sex and Age Group^a (contd.)

| Principal Procedure | Procedure | | | Male | | | | | Female | | | | Total In- | -Patient Disch | harpes | |
|---|--------------------|------|----------|-------|------|-------|-----|-------|--------|------------|-------|---------|------------|----------------|--------|--------------|
| | Block | < 15 | 15-44 | 45-64 | >65 | Total | <15 | 15-44 | 45-64 | >65 | Total | < 15 | 15-44 | 45-64 | >65 | Total |
| Cholecystectomy | 0962 | < | 7.7 | 3.7 | 9.9 | 5.6 | < | 2.8 | 3.1 | 5.9 | 3.5 | 2.8 | 3.6 | 3.3 | 6.2 | 4.2 |
| | | < | 2 | 2 | 3 | 2 | < | 1 | 1 | 2 | 1 | æ | 1 | 2 | 3 | 2 |
| Division of abdominal adhesions | 9860 | 8. 7 | 8.6 | 11.7 | 12.1 | 11.1 | < < | 6.5 | 9.0 | 16.7 | 10.9 | 8.3 | 7.1 | 10.1 | 14.8 | 11.0 |
| Repair of inguinal and obstructed hernia | 7660, 0660 | 8.1 | 1.6 | 2.1 | 3.6 | 3.4 | 3.2 | 4.5 | 4.3 | 13.5 | 8.6 | 7.6 | 2.1 | 2.4 | 5.1 | 4.1 |
| Dangarow with (without excision | 1005-1008 | 1 4 | 1 7 | 1 0 | 12 7 | 101 | 2 | 2 | e 4 | 12.8 | 307 | 2 2 2 2 | 1 2 | 0 7 | 128 | 107 |
| ימובות ספכסף אינון אינון ספר באנואסון | 5001 | e m | n m | , ru | 7 | 9 | 2.5 | e m | , i | | 9 | 2.5 | i w | | . ∞ | 9 |
| Procedures on urinary system | 1040–1129 | 8.4 | 5.6 | 5.9 | 10.3 | 8.1 | 7.6 | 5.0 | 7.2 | 10.8 | 8.1 | 6.1 | 5.4 | 6.4 | 10.4 | 8.1 |
| 11-11-11-11-11-11-11-11-11-11-11-11-11- | 0,00 | m « | m L | m L | 9 , | 4 (| 4 1 | m (| 4 (| 9 ; | 4 (| m | m | m c | 9 (| 4 0 |
| Haemodialysis | 1060 | < < | 9.5 4 | 9.5 | 12.4 | 11.2 | 2.7 | 6.7 | 12.3 | 14 | 12.3 | 2.4 | 8.1 | 10.6 | 13 | 11.6 |
| Examination procedures on bladder (includes | 1089 | < | 5.2 | 10.4 | 11.9 | 10.9 | < | 4.8 | 4.0 | 13.5 | 8.5 | 3.6 | 5.0 | 7.9 | 12.2 | 10.2 |
| cystoscopy) | | < | 2 | 2 | 9 | S | < | 2 | 2 | 7 | ĸ | 2 | 2 | 2 | 7 | 5 |
| Procedures on male genital organs | 1160–1203 | | | | | | | | | | | 1.2 | 1.9 | 4.2 | 9.0 | 3.6 |
| Prostatectomy | 1166–1167 | | 3.1 | 3.3 | 5.3 | 4.4 | | | | | | | 3.1 | 3.3 | 5.3 | 4.4 |
| | | | 2 | 3 | 3 | 3 | 1 | 1 | • | | | | 2 | 3 | 3 | 3 |
| Circumcision | 30653-00 [1196] | 1.3 | 1.0 | 4.5 | 2.8 | 2.2 | | | | | | 1.3 | 1.0 | 4.5 | 2.8 | 2.2 |
| Gynaecological procedures | 1240–1299 | | + | 4 * | - | - | - | - | * | * | * | 3.9 | 1.9 | 3.6 | 2.0 | 2.8 |
| | | - | * | * | - | + | # | + | * | - | + | က | 1 | m | e | 2 |
| Oophorectomy and salpingo-oophorectomy | 1243, 1252 | | | | | | < < | 3.3 | 3.5 | 5.0 | 3.7 | < < | 3.3 | 3.5 | 5.0 | 3.7 |
| Salpingectomy | 1251 | | | | | | < | 2.3 | 2.0 | 4.4 | 2.4 | < | 2.3 | 2.0 | 4.4 | 2.4 |
| | | • | • | • | , | • | < | 2 | 2 | ю | 2 | < | 2 | 2 | æ | 2 |
| Examination procedures on uterus | 1259 | | • | | | | | 1.8 | 2.0 | 5.7 | 2.9 | | 1.8 | 2.0 | 5.7 | 2.9 |
| | | | ٠ | | ٠ | | | 1 | н | 1 | 7 | | н | 7 | 1 | н |
| Curettage and evacuation of uterus | 1265 | | • | • | • | • | • | 1.1 | 2.2 | 3.7 | 1.2 | • | 1.1 | 2.2 | 3.7 | 1.2 |
| | | | | 1 | 1 | | 1 | 7 | τ : | ← 1 | ٠ ٢ | | | Η! | T - | Η! |
| Hysterectomy | 1268–1269 | | | | | | | 6.K | 4.5 | 5.7 | 4.7 | | დ. დ. ო | 4.5 | 5.7 | 4.7 |
| Repair of prolapse of uterus, pelvic floor or | 1283 | | | | | | | 2.6 | 2.6 | 3.1 | 2.9 | | 2.6 | 2.6 | 3.1 | 2.9 |
| enterocele | | • | • | • | • | ٠ | • | 8 | Э | æ | æ | | æ | æ | Э | Э |
| Obstetric procedures | 1330–1347 | | • | • | | • | < • | 3.3 | 4.9 | • | 3.3 | < ۰ | 3.3 | 4.9 | | 33 |
| Analgesia and angesthesia during labour and | 1333 | | | | | | | 2.8 | 4 ' | | 2.8 | : ' | 2.8 | 4 ' | | 2.8 |
| delivery procedure | | | • | • | • | • | • | æ | • | ٠ | m | • | 3 | • | | 3 |
| Medical or surgical induction of labour | 1334 | | | | | | < | 2.2 | 2.0 | | 2.2 | < | 2.2 | 2.0 | | 2.2 |
| | | | • | • | | | < | 2 | 2 | | 2 | < | 2 | 2 | | 2 |
| Medical or surgical augmentation of labour | 1335 | | | | | | | 2.3 | , , | | 2.3 | | 2.3 | | | 2.3 |
| Spontaneous vertex delivery | 1336 | ٠ | | | ٠ | ٠ | < | 2.4 | 2.9 | ٠ | 2.4 | < | 2.4 | 5.9 | ٠ | 2.4 |
| | | | • | • | | ٠ | < | 2 | က | ٠ | 2 | < | 2 | m | | 2 |
| Forceps rotation and delivery | 1337 | | | | | | < < | 3.4 | < < | | 3.4 | < < | 9.K | < < | | 3.4 4. c. |
| Vacuum extraction | 1338 | | | ٠ | ٠ | | ٠ | 3.1 | 4.2 | | 3.1 | | 3.1 | 4.2 | | 3.1 |
| | | • | , | • | • | | | 33 | 4 | • | 8 | , | 3 | 4 | , | 3 |
| Breech delivery and extraction | 1339 | | | | | | | 5.1 | < | | 2.0 | | 5.1 | < | | 5.0 |
| | | | | | | | | က | < | | က | | c | < | | c |
| | | | | | | | | | | | | | | | | |

TABLE 3.15 In-Patient Discharges: Mean and Median Length of Stay (Days) by Principal Procedure, Sex and Age Group^a (contd.)

| Principal Procedure | Procedure | | | Male | | | | | Female | | | | Total In- | Patient Disch | ıarges | |
|---|-----------|------|-------|-------|-------------------|-------|------|-------------|--------|------|-------|------|-----------|---------------|--------|-------|
| | Block | < 15 | 15-44 | 45-64 | >65 | Total | < 15 | 15-44 | 45-64 | 59≥ | Total | < 15 | 15-44 | 45-64 | 59⋜ | Total |
| Caesarean section | 1340 | 1 | 1 | • | • | • | • | 4.5 | 5.6 | • | 4.6 | , | 4.5 | 5.6 | 1 | 4.6 |
| | | • | • | • | • | , | • | 4 | 4 | , | 4 | • | 4 | 4 | 1 | 4 |
| Episiotomy associated with delivery | 90472-00 | • | • | • | • | 1 | • | 2.9 | • | • | 2.9 | • | 2.9 | • | , | 2.9 |
| Postpartum suture | 1344 | | | | | | | 2.3 | < | | 2.3 | | 2.3 | < | | 2.3 |
| - | | • | • | • | • | • | • | 2 | < | ٠ | 2 | | 2 | < | ٠ | 2 |
| Procedures on musculoskeletal system | 1360-1580 | 2.1 | 3.3 | 7.8 | 13.4 | 7.5 | 2.3 | 4.5 | 5.2 | 11.2 | 7.7 | 2.2 | 3.7 | 6.5 | 12.1 | 9.7 |
| | | 1 | 1 | m | 9 | 2 | 1 | 2 | 2 | 9 | æ | 1 | 1 | 2 | 9 | æ |
| Arthroplasty of hip | 1489 | < < | 5.2 | 5.3 | 11.5 | 9.4 | < < | 5.5 | 5.7 | 11.2 | 9.7 | < < | 5.3 | 5.5 | 11.3 | 9.6 |
| Arthronlasty of knee | 1518–1519 | | 2 4 | 0 % | 0 7. | 4 % | | 2 4 4 | 4 0 4 | 4 8 | 4.5 | : ' | c 4 | 0 6 | , 1 | 47 |
| | | | m | . m | 4 | . m | | 4 | e en | 4 | 4 | ٠ | 4 | . m | 4 | 4 |
| Dermatological and plastic procedures | 1600-1718 | 2.8 | 3.4 | 6.9 | 11.6 | 2.7 | 3.0 | 3.0 | 6.9 | 15.0 | 6.2 | 2.9 | 3.2 | 6.9 | 12.9 | 5.9 |
| | | П | 1 | 7 | m | 7 | 2 | 7 | 7 | ß | 7 | - | 1 | 7 | 4 | 7 |
| Excision of lesion of skin and subcutaneous | 1620 | 1.1 | 2.0 | 2.7 | 9.9 | 5.1 | 6.0 | 1.6 | 1.8 | 8.4 | 5.3 | 1.0 | 1.8 | 2.3 | 7.2 | 5.2 |
| tissue | | 1 | н | П | 2 | н | н | н | П | 2 | п | н | П | н | 2 | н |
| Other debridement of skin and subcutaneous | 1628 | 1.4 | 3.2 | 10.8 | 16.4 | 8.3 | 2.2 | 4.5 | 12.6 | 19.8 | 11.0 | 1.7 | 3.6 | 11.4 | 17.7 | 9.5 |
| tissue | | н | 1 | 2 | 6 | 2 | П | 2 | S | 11 | m | ⊣ | 7 | e | 6 | 2 |
| Skin graft | 1640–1650 | 24.3 | 8.1 | 11.5 | 13.8 | 12.5 | 3.3 | 6.6 | 9.3 | 10.1 | 9.0 | 12.8 | 6.8 | 10.4 | 11.8 | 10.8 |
| | | 7 | 7 | 9 | 7 | 7 | 2 | 9 | 7 | œ | 9 | m | 7 | 9 | 7 | 7 |
| Procedures on breast | 1740–1759 | < | 2.2 | < | 29.0 | 5.9 | < | 2.7 | 5.6 | 4.3 | 3.1 | < | 2.7 | 5.6 | 4.4 | 3.1 |
| | | < | 2 | < | m | 2 | < | 2 | 1 | 7 | 7 | < | 2 | 1 | 7 | 7 |
| Breast biopsy | 1743- | • | < . | • | < | < | | 1.4 | 2.0 | 4.6 | 3.0 | | 1.5 | 2.0 | 4.8 | 3.1 |
| | 1744 | • | < | | < | < | | 1 | н | Н | н | | 1 | 1 | 1 | н |
| Mastectomy | 1747- | • | < • | < . | < . | 1.6 | | 3.6 | 2.9 | 3.4 | 3.2 | | 3.5 | 2.9 | 3.4 | 3.2 |
| | 1748 | | < | < | < | Н | | m | 2 | 2 | 2 | | m | 2 | 2 | 2 |
| Radiation oncology procedures | 1786–1800 | | 11.4 | 21.9 | 21.3 | 20.7 | < • | 16.0 | 19.7 | 20.5 | 19.5 | ٠ ، | 14.5 | 20.7 | 20.9 | 20.1 |
| | 0000 | ' ï | י ה | 17 | ;; | 15, | < . | × 5 | 14 | 1; | 14 | < (| v c | 1 F | ; ; | 10, |
| not elsewhere classified | 1020-1923 | 1 6 | ų . | , | 7 | 10.3 | ţ ĸ | , , , | 3 | 7 | 9 | 7 6 | 9 66 | è | 7 | 7 9 |
| Administration of blood and blood products | 1893 | 3.5 | 6.0 | 9.6 | 11.4 | 10.0 | 3.4 | 4.7 | 7.5 | 11.4 | 0.6 | 3.4 | 5.1 | 4.8 | 11.4 | 9.5 |
| | | 2 | æ | 2 | 7 | 9 | 2 | 2 | 4 | 9 | Ŋ | 2 | Э | 2 | 9 | 2 |
| Conduction anaesthesia | 1909 | | < | < | < | < | ٠ | < | < | < | 5.4 | | 6.2 | < | < | 5.8 |
| | | • | < | < | < | < | • | < | < | < | m | | ĸ | < | < | 3 |
| Cerebral anaesthesia | 1910 | < | 6.3 | 8.7 | 9.2 | 8.9 | 2.3 | < | 2.5 | 12.5 | 5.1 | 6.3 | 5.1 | 5.9 | 10.5 | 7.2 |
| | | < | 7 | æ | 4 | 2 | н | < | 1 | 7 | 2 | н | 2 | 2 | 2 | 3 |
| Imaging services ^b | 1940–2016 | 6.7 | 13.0 | 6.6 | 12.3 | 10.9 | 8.8 | 9.4 | 10.3 | 11.1 | 10.3 | 7.5 | 11.2 | 10.0 | 11.8 | 10.7 |
| | | æ | 2 | 'n | 7 | 9 | 2 | 3 | 9 | 9 | 'n | 8 | 4 | 9 | 7 | 2 |
| Computerised tomography scan | 1952-1966 | 4.9 | 10.0 | 9.9 | 4.1 | 5.9 | 27.4 | 1.9 | 4.3 | 11.3 | 10.6 | 11.3 | 7.1 | 5.5 | 6.5 | 7.5 |
| | | 2 | 2 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 2 | 1 | 1 | ₽ | 1 |
| Magnetic resonance imaging | 2015 | 7.3 | 61.9 | 8.5 | 14.3 | 12.9 | 7.1 | 32.7 | 9.6 | 15.9 | 11.5 | 7.2 | 46.4 | 9.1 | 15.1 | 12.2 |
| | | ĸ | 9 | 2 | 9 | m | æ | m | 2 | 2 | m | 3 | 4 | 4 | 9 | æ |

Denotes that length of stay calculation was based on five or fewer discharges. Denotes that no breakdown is provided. Notes:

Length of stay cannot be calculated as no in-patients are reported.

ра

Includes length of stay for total in-patients (includes sameday and overnight in-patients). Excludes day patients. See Appendix V for information on updated Australian Coding Standard (ACS) 0042 *Procedures normally not coded* in ICD-10-AM 10th edition.

TABLE 3.16 Total Discharges: All-Listed Procedures by Sex and Age Group (N)

| All Procedures | Procedure | | | Male | ı | | ı | | Female | ĺ | | ı | ī | otal Discharges | se | |
|---|------------------------------|--------|---------|---------|---------|-----------|--------|---------|---------|---------|-----------|---------|---------|-----------------|---------|-----------|
| | Block | < 15 | 15-44 | 45-64 | 59≥ | Total | < 15 | 15-44 | 45-64 | 59⋜ | Total | < 15 | 15-44 | 45-64 | 59≥ | Total |
| Total Discharges | | 51,426 | 124,618 | 216,205 | 321,922 | 714,171 | 41,111 | 265,246 | 215,121 | 264,296 | 785,774 | 92,537 | 389,864 | 431,326 | 586,218 | 1,499,945 |
| All Procedures | 0001–2016 | 74,291 | 164,108 | 312,868 | 502,741 | 1,054,008 | 57,023 | 396,688 | 310,700 | 421,537 | 1,185,948 | 131,314 | 560,796 | 623,568 | 924,278 | 2,239,956 |
| Procedures on nervous system | 0001-0086 | 1,757 | 3,576 | 5,438 | 4,173 | 14,944 | 1,261 | 5,101 | 7,366 | 5,999 | 19,727 | 3,018 | 8,677 | 12,804 | 10,172 | 34,671 |
| Lumbar puncture | 0030 | 1,308 | 790 | 662 | 691 | 3,451 | 894 | 1,286 | 837 | 284 | 3,601 | 2,202 | 2,076 | 1,499 | 1,275 | 7,052 |
| Procedures on endocrine system | 0110-0129 | 11 | 119 | 202 | 160 | 492 | 15 | 418 | 513 | 288 | 1,234 | 56 | 237 | 715 | 448 | 1,726 |
| Procedures on eye and adnexa | 0160-0256 | 619 | 2,047 | 7,284 | 20,322 | 30,272 | 515 | 1,535 | 5,601 | 25,968 | 33,619 | 1,134 | 3,582 | 12,885 | 46,290 | 63,891 |
| Extraction of crystalline lens | 200 | 23 | 74 | 748 | 2,772 | 3,617 | 30 | 70 | 791 | 3,758 | 4,649 | 23 | 144 | 1,539 | 6,530 | 8,266 |
| Application insertion or removal procedures on | 0209 | • | 1 | 0 | | | ç | į | | | | Ç. | | 6 | 1 | |
| Proceedings on past and mastaid process | 0200-0222 | 1 437 | 6// | 3,819 | 676,11 | 15,61/ | 1 025 | 775 | 707 | 15,611 | 18,505 | 2 463 | 1,306 | 6,23b | 1158 | 35,182 |
| Maringottomy | 0000 | 503 | 5 6 | 6 | 070 | 27,7,5 | 7.07 | 5 % | 6 5 | 200 | 3,301 | 1 1 7 9 | 1,011 | 1,702 | 007/1 | 1,013 |
| Drocedures on nose month and nhammy | 0370-0422 | 1570 | 7 873 | 2 620 | 2 095 | 9 108 | 1 249 | 2 713 | 2 131 | 1 387 | 7 480 | 2,120 | 5 536 | 4 751 | 3 482 | 16 588 |
| Tonsillertomy or adenoidertomy | 0412 | 709 | 252 | 43 | 27 | 1.025 | 646 | 569 | 77 | 7 | 1.249 | 1.355 | 821 | 2 2 | 28 | 2.274 |
| Dental services | 0450-0490 | 2,758 | 1,114 | 327 | 159 | 4,358 | 1,842 | 866 | 7.7.7 | 66 | 3,216 | 4,600 | 2,112 | 604 | 258 | 7,574 |
| Procedures on respiratory system | 0520-0572 | 3,120 | 2,787 | 6,128 | 9,117 | 21,152 | 2,380 | 2,046 | 4,683 | 6,872 | 15,981 | 2,500 | 4,833 | 10,811 | 15,989 | 37,133 |
| Bronchoscopy with/without biopsy | 0543-0544, 90163-01[0545] | 180 | 577 | 1,375 | 1,918 | 4,050 | 131 | 451 | 1,170 | 1,536 | 3,288 | 311 | 1,028 | 2,545 | 3,454 | 7,338 |
| Procedures on cardiovascular system | 2/2/0-0090 | 2,797 | 5,094 | 16,910 | 17,294 | 42,095 | 2,482 | 2,671 | 699'2 | 8,739 | 21,561 | 5,279 | 7,765 | 24,579 | 26,033 | 63,656 |
| Coronary angiography | 8990 | 232 | 515 | 4,412 | 4,909 | 10,068 | 231 | 500 | 1,835 | 2,787 | 5,062 | 463 | 724 | 6,247 | 2,696 | 15,130 |
| Transluminal coronary angioplasty with/without stenting | 0670-0671 | 2 | * | 1,757 | 1,862 | 3,770 | 2 | * | 366 | 681 | 1,084 | \$ | * | 2,123 | 2,543 | 4,854 |
| CABG | 0672-0679 | 0 | * | * | 742 | 1,359 | 0 | 5 | * | 153 | 222 | 0 | 13 | 673 | 895 | 1,581 |
| Leg varicose vein ligation | 0727-0728 | 0 | 255 | 441 | 215 | 911 | 0 | 547 | 691 | 303 | 1,541 | 0 | 802 | 1,132 | 518 | 2,452 |
| Procedures on blood and blood-forming organs | 0800-0817 | 313 | 635 | 1,477 | 1,988 | 4,413 | 261 | 1,043 | 2,199 | 2,211 | 5,714 | 574 | 1,678 | 3,676 | 4,199 | 10,127 |
| Procedures on digestive system | 0850-1011 | 2,651 | 19,141 | 32,070 | 36,019 | 89,881 | 1,859 | 24,528 | 31,328 | 31,622 | 89,337 | 4,510 | 43,669 | 63,398 | 67,641 | 179,218 |
| Fibreoptic colonoscopy with/without excision | 0905, 0911 | 147 | 7,047 | 12,830 | 14,129 | 34,153 | 66 | 8,376 | 12,729 | 12,165 | 33,369 | 246 | 15,423 | 25,559 | 26,294 | 67,522 |
| Appendicectomy | 0926 | 666 | 1,563 | 337 | 152 | 3,051 | 808 | 1,474 | 439 | 171 | 2,892 | 1,807 | 3,037 | 776 | 323 | 5,943 |
| Procedures for haemorrhoids | 0941 | 5 | 901 | 1,105 | * | 2,480 | 0 | 921 | 884 | 436 | 2,241 | 5 | 1,822 | 1,989 | * | 4,721 |
| Cholecystectomy | 9662 | 3 | 244 | 450 | * | 1,104 | 3 | 1,120 | 905 | * | 2,431 | ∞ | 1,364 | 1,352 | 811 | 3,535 |
| Division of abdominal adhesions | 9860 | 92 | 218 | 328 | 411 | 1,022 | 45 | 1,362 | 628 | 453 | 2,488 | 110 | 1,580 | 926 | 864 | 3,510 |
| Repair of inguinal and obstructed hernia | 7660 '0660 | 318 | 436 | 931 | 842 | 2,527 | 09 | 22 | 87 | 118 | 320 | 378 | 491 | 1,018 | 096 | 2,847 |
| Panendoscopy with/without excision | 1005-1008 | 291 | 5,741 | 9,902 | 11,441 | 27,375 | 280 | 7,168 | 10,710 | 11,225 | 29,383 | 571 | 12,909 | 20,612 | 22,666 | 56,758 |
| Procedures on urinary system | 1040-1129 | 621 | 18,429 | 44,110 | 74,275 | 137,435 | 819 | 14,021 | 26,964 | 40,049 | 81,853 | 1,440 | 32,450 | 71,074 | 114,324 | 219,288 |
| Haemodialysis | 1060 | 212 | 15,205 | 37,267 | 62,430 | 115,114 | 222 | 10,947 | 21,946 | 35,377 | 68,827 | 692 | 26,152 | 59,213 | 62,807 | 183,941 |
| Examination procedures on bladder (includes | 1089 | 41 | 824 | 2,511 | 4,971 | 8,347 | 30 | 1,031 | 1,877 | 2,066 | 5,004 | 71 | 1,855 | 4,388 | 7,037 | 13,351 |
| cystoscopy) | 1160 1303 | • | • | - | • | • | - | - | • | • | - | 3 303 | 1 255 | 2 003 | 3 150 | 7 017 |
| riocedules of male genital organis | 1100-1203 | - c | - ; | - 770 | - :: | - 6 | - c | - c | - c | - 0 | - c | 300,4 | 113 | 416 | 50.7 | ,,010 |
| Circumstrian | 20652 00[1106] | 0 00 | 338 | 170 | 322 | 1 499 | > < | o c | > < | > < | > < | 0 0 | 338 | 170 | 322 | 1 1 100 |
| Circuiticision | 20022-00[1130] | 100 | 320 | 7 | 011 | 664,1 | • | • | • | • | • | 6 | 320 | 0,40 | 0110 | CC+,1 |
| Gynaecological procedures | 1240-1299 | - | • | - | | • | | - | | | • | 94 | 75/107 | 16,461 | 3,738 | 41,050 |
| Oophorectomy and salpingo-oophorectomy | 1243, 1252 | 0 | 0 | 0 | 0 | 0 | 9 | 332 | 388 | 138 | 864 | 9 | 332 | 388 | 138 | 864 |
| Salpingectomy | 1251 | 0 | 0 | 0 | 0 | 0 | 2 | 826 | 62 | * | 1,052 | \$ | 978 | 62 | * | 1,052 |
| Examination procedures on uterus | 1259 | 0 | 0 | 0 | 0 | 0 | \$ | 3,597 | 5,061 | * | 9,536 | \$ | 3,597 | 5,061 | * | 9,536 |
| Curettage and evacuation of uterus | 1265 | 0 | 0 | 0 | 0 | 0 | s | 6,647 | 4,175 | * | 11,561 | 3 | 6,647 | 4,175 | * | 11,561 |
| Hysterectomy | 1268-1269 | 0 | 0 | 0 | 0 | 0 | 0 | 351 | 962 | 481 | 1,797 | 0 | 351 | 965 | 481 | 1,797 |
| Repair of prolapse of uterus, pelvic floor or | 1283 | 0 | 0 | 0 | 0 | 0 | 0 | 77 | 361 | 391 | 829 | 0 | 77 | 361 | 391 | 829 |
| | | | | | | | | | | | | | | | | |

TABLE 3.16 Total Discharges: All-Listed Procedures by Sex and Age Group (N) (contd.)

| All Procedures | Procedure | | | Male | | | | | Female | | | | | Total Discharges | ırges | |
|---|----------------|--------|--------|---------|---------|---------|--------|---------|---------|---------|---------|--------|---------|-------------------------|---------|-----------|
| | Block | <15 | 15-44 | 45-64 | 565 | Total | <15 | 15-44 | 45-64 | 59₹ | Total | < 15 | 15-44 | 45-64 | 59⋜ | Total |
| Obstetric procedures | 1330-1347 | 0 | 0 | 0 | 0 | 0 | 3 | 143,042 | 543 | * | 143,601 | 2 | 143,042 | 543 | * | 143,601 |
| Analgesia and anaesthesia during labour and delivery procedure | 1333 | 0 | 0 | 0 | 0 | 0 | \$ | 23,953 | * | 0 | 24,018 | \$ | 23,953 | * | 0 | 24,018 |
| Medical or surgical induction of labour | 1334 | 0 | 0 | 0 | 0 | 0 | \$ | 20,233 | * | 0 | 20,318 | 5 | 20,233 | * | 0 | 20,318 |
| Medical or surgical augmentation of labour | 1335 | 0 | 0 | 0 | 0 | 0 | \$ | 8,209 | * | 0 | 8,219 | 5 | 8,209 | * | 0 | 8,219 |
| Spontaneous vertex delivery | 1336 | 0 | 0 | 0 | 0 | 0 | \$ | 27,407 | * | 0 | 27,463 | 5 | 27,407 | * | 0 | 27,463 |
| Forceps rotation and delivery | 1337 | 0 | 0 | 0 | 0 | 0 | 5 | 2,196 | \$ | 0 | 2,201 | s | 2,196 | s | 0 | 2,201 |
| Vacuum extraction | 1338 | 0 | 0 | 0 | 0 | 0 | \$ | 6,780 | * | 0 | 6,797 | 5 | 6,780 | * | 0 | 6,797 |
| Breech delivery and extraction | 1339 | 0 | 0 | 0 | 0 | 0 | 0 | * | 5 | 0 | 126 | 0 | * | s | 0 | 126 |
| Caesarean section | 1340 | 0 | 0 | 0 | 0 | 0 | 0 | 19,357 | 239 | 0 | 19,596 | 0 | 19,357 | 239 | 0 | 19,596 |
| Episiotomy associated with delivery | 90472-00[1343] | 0 | 0 | 0 | 0 | 0 | \$ | 9,796 | * | 0 | 9,813 | 5 | 962'6 | * | 0 | 9,813 |
| Postpartum suture | 1344 | 0 | 0 | 0 | 0 | 0 | \$ | 17,056 | 34 | \$ | 17,093 | \$ | 17,056 | 34 | 2 | 17,093 |
| Procedures on musculoskeletal system | 1360-1579 | 4,010 | 9,691 | 10,138 | 9,125 | 32,964 | 3,868 | 6,287 | 12,210 | 14,619 | 36,984 | 7,878 | 15,978 | 22,348 | 23,744 | 69,948 |
| Arthroplasty of hip | 1489 | 5 | * | 584 | 1,275 | 1,931 | \$ | * | 602 | 1,922 | 2,591 | 9 | 133 | 1,186 | 3,197 | 4,522 |
| Arthroplasty of knee | 1518-1519 | 0 | 7 | 596 | 462 | 292 | 0 | ∞ | 353 | 999 | 1,026 | 0 | 15 | 649 | 1,127 | 1,791 |
| Dermatological and plastic procedures | 1600-1718 | 3,921 | 12,827 | 12,666 | 18,230 | 47,644 | 2,981 | 13,815 | 11,395 | 13,051 | 41,242 | 6,902 | 26,642 | 24,061 | 31,281 | 88,886 |
| Excision of lesion of skin and subcutaneous tissue | 1620 | 276 | 3,647 | 5,175 | 9,026 | 18,124 | 245 | 5,023 | 5,184 | 6,145 | 16,597 | 521 | 8,670 | 10,359 | 15,171 | 34,721 |
| Other debridement of skin and subcutaneous | 1628 | 358 | 1,454 | 1,272 | 1,076 | 4,160 | 234 | 2,198 | 652 | 779 | 3,863 | 265 | 3,652 | 1,924 | 1,855 | 8,023 |
| tissue | | | | | | | | | | | | | | | | |
| Skin graft | 1640-1650 | 51 | 144 | 225 | 929 | 1,096 | 28 | 78 | 150 | 421 | 229 | 79 | 222 | 375 | 1,097 | 1,773 |
| Procedures on breast | 1740-1759 | 5 | 27 | 77 | * | 92 | * | 3,677 | 4,510 | * | 10,302 | ∞ | 3,704 | 4,537 | 2,129 | 10,378 |
| Breast biopsy | 1743-1744 | 0 | 9 | 17 | 17 | 40 | 5 | 2,475 | 2,773 | * | 6,861 | s | 2,481 | 2,790 | * | 6,901 |
| Mastectomy | 1747-1748 | 0 | 5 | 9 | \$ | 13 | 0 | * | 320 | * | 756 | 0 | 204 | 326 | 239 | 692 |
| Radiation oncology procedures | 1786-1800 | 947 | 5,725 | 37,486 | 67,953 | 112,111 | 511 | 13,199 | 39,257 | 34,561 | 87,528 | 1,458 | 18,924 | 76,743 | 102,514 | 199,639 |
| Non-invasive, cognitive and other interventions, not elsewhere classified | 1820–1923 | 43,462 | 76,282 | 129,246 | 233,080 | 482,070 | 34,074 | 138,430 | 133,751 | 225,437 | 531,692 | 77,536 | 214,712 | 262,997 | 458,517 | 1,013,762 |
| Administration of blood and blood products | 1893 | 2,857 | 3,231 | 6,503 | 13,883 | 26,474 | 1,849 | 5,294 | 5,845 | 11,111 | 24,099 | 4,706 | 8,525 | 12,348 | 24,994 | 50,573 |
| Conduction anaesthesia | 1909 | 355 | 1,799 | 3,442 | 5,819 | 11,415 | 212 | 16,424 | 3,860 | 7,348 | 27,844 | 267 | 18,223 | 7,302 | 13,167 | 39,259 |
| Cerebral anaesthesia | 1910 | 15,629 | 27,780 | 39,615 | 44,235 | 127,259 | 10,857 | 39,174 | 44,443 | 40,806 | 135,280 | 26,486 | 66,954 | 84,058 | 85,041 | 262,539 |
| Imaging services ^a | 1940–2016 | 1,996 | 1,561 | 3,963 | 5,946 | 13,466 | 1,763 | 1,461 | 3,044 | 4,256 | 10,524 | 3,759 | 3,022 | 7,007 | 10,202 | 23,990 |
| Computerised tomography scan | 1952–1966 | 230 | 387 | 924 | 1,599 | 3,140 | 150 | 230 | 914 | 866 | 2,292 | 380 | 617 | 1,838 | 2,597 | 5,432 |
| Magnetic resonance imaging | 2015 | 1,313 | 100 | 82 | 61 | 1,556 | 1,065 | 105 | 91 | 9 | 1,326 | 2,378 | 205 | 173 | 126 | 2,882 |

Denotes five or fewer discharges reported to HIPE. Notes:

Further suppression required to prevent disclosure of five or fewer discharges.

Denotes that no breakdown is provided.

See Appendix V for information on updated Australian Coding Standard (ACS) 0042 Procedures normally not coded in ICD-10-AM 10th edition.

Case Mix Analysis SECTION
2020

Table of Contents

| 4.1 | INTRO | DUCTION | 89 |
|-----|-------|--|----|
| 4.2 | OVERV | /IEW | 89 |
| | 4.2.1 | Case Mix Classification | 89 |
| | 4.2.2 | Assignment of Discharges to MDC and AR-DRG | 90 |
| 4.3 | ANALY | SIS OF HIPE DATA BY CASE MIX | 92 |
| | 4.3.1 | Analysis of Day Patients by MDC and AR-DRG | 92 |
| | 4.3.2 | Analysis of In-Patients by MDC and AR-DRG | 92 |

4.1 **INTRODUCTION**

The analysis in this Section focuses on the case mix classification for all discharges reported to the Hospital In-Patient Enquiry (HIPE) scheme in 2020. Hospital case mix may be defined as 'the proportion of cases of each disease and health problem treated in the hospital'.2

- Section 4.2 presents background to the applied case mix classification and details of the assignment of discharges to Major Diagnostic Categories (MDC) and Australian Refined Diagnosis Related Groups (AR-DRG). The AR-DRG Classification System has been updated from Version 6.0 to Version 8.0 for 2015 onwards. The update to AR-DRG Version 8.0 included a revision of the complexity model used to assign AR-DRGs to episodes of care. In addition to this, it included a review of existing AR-DRGs, the removal of some AR-DRGs and the inclusion of new AR-DRGs. The naming convention for AR-DRGs was also updated. Due to the update in this classification, DRGs in this report are not comparable with those in reports prior to 2016.4
- Section 4.3 presents analysis of HIPE data by case mix for day patients and inpatients.

4.2 **OVERVIEW**

Case Mix Classification 4.2.1

- The Diagnosis Related Group (DRG) scheme enables the disaggregation of patients into homogeneous groups, which undergo similar treatment processes and incur similar levels of resource use.
- The data required for DRG assignment include principal and secondary diagnoses, procedures performed, age, sex, length of stay, admission weight, sameday status and patient destination on discharge from hospital.
- Since the inception of the national case mix programme, the DRG classification scheme has been adopted as the national standard for Ireland.⁵ One of the key features of this methodology is the classification of cases into different levels of complexity within AR-DRGs. ICD-10-AM/ACHI/ACS 8th Edition is the coding system used for AR-DRG grouping since 2015.6 As all of the data required for AR-DRG classification are available on the HIPE system,

For information on how the DRG system is used in Activity Based Funding see http://health.gov.ie/wpcontent/uploads/2015/07/ABF_Implementation_Plan_20_05_2015.pdf

Hornbrook, M.C., 1985. Techniques for Assessing Hospital Case Mix', Annual Review of Public Health, Vol. 6. pp. 295-

AR-DRG Version 8.0 was first reported on in the HIPE Annual Report in 2016.

See Appendix VIII for an overview of changes between AR-DRG Version 6.0 and Version 8.0.

Wiley, M.M., 2005. 'Diagnosis Related Groups (DRGs): Measuring Hospital Case Mix', in P. Armitage and T. Colton (eds.) Encyclopaedia of Biostatistics. Chichester: Wiley and Sons. See also Department of Health and Children, 2004, The Modernisation of the National Case Mix Programme in Ireland. Dublin: Department of Health and Children, for information on development of case mix in Ireland.

See Section Three for further details on ICD-10-AM/ACHI/ACS.

4.2.2 Assignment of Discharges to MDC and AR-DRG

Figure 4.1 shows the steps in AR-DRG assignment;

- The first step in assignment is the classification of discharges by Major Diagnostic Category (MDC). There are 23 MDCs which are essentially primary diagnostic groupings based on the systems of the body, for example nervous system (MDC 1), eye (MDC 2), circulatory system (MDC 5), etc. As not all discharges can be assigned directly to a MDC, there is a category entitled 'unassignable to MDC'.
- To deal with certain categories of high cost discharges, the second step involves a Pre-MDC analysis which can override the initial MDC assignment. Examples of discharges affected include transplants, human immunodeficiency virus (HIV) disease, and multiple significant trauma.⁹
- After assignment to the appropriate MDCs, discharges are assigned to an AR-DRG. In total, there are 807 AR-DRGs in version 8.0 of the AR-DRG classification.

FIGURE 4.1 Steps in AR-DRG Assignment



In AR-DRG Version 8.0 an AR-DRG consists of four alphanumeric characters in the form of 'MAAD':

- 'M' is either a letter (indicating the broad group of the DRG) or an '8' or a '9' (indicating an unrelated operating room procedure DRG or an error DRG, respectively).¹⁰
- 'AA' identifies the partition to which the adjacent DRG belongs.¹¹ Both characters are numbers whose values indicate whether the code is surgical,

For a more detailed description of case mix and its application in Ireland see O'Reilly J., McCarthy B., Wiley, M. M., 'Ireland: A review of Casemix applications within the acute public hospital system' in R. Busse, A. Geissler, W. Quentin & M. M. Wiley (eds), *Diagnosis-Related Groups in Europe: Moving Towards Transparency, Efficiency and Quality in Hospitals.* Maidenhead: Open University Press and WHO Regional Office for Europe, 2011.

⁸ See Appendix VIII for an overview of changes between AR-DRG Version 6.0 and Version 8.0.

^{&#}x27;Some episodes involving procedures that are particularly resource-intensive may be assigned to the *Pre-MDC* category, irrespective of the MDC that would have been assigned on the basis of the principal diagnosis.' Australian Institute of Health and Welfare (2009) Australian Hospital Statistics 2007–08. Canberra: Australian Institute of Health and Welfare. p. 276.

¹⁰ 'Episodes that contain clinically atypical or invalid information are assigned Error DRGs.' Australian Institute of Health and Welfare (2009) Australian hospital statistics 2007–08. Canberra: Australian Institute of Health and Welfare. p 276.

medical or other. 12 Discharges with a surgical procedure performed are assigned to the surgical AR-DRGs where classification is based on the most resource intensive procedure performed. Medical discharges are assigned to an AR-DRG on the basis of principal diagnosis.

'D' is a complexity split indicator that ranks DRGs within adjacent DRGs on the basis of their level of complexity/resource use. It is either 'A', 'B', 'C', 'D' or 'Z' with 'A' being the most complex or 'Z' indicating that there is no complexity split.¹³ The complexity of the case is determined by particular variables, such as the presence of complications and/or comorbidities (CC), age, or discharge status, which influence the treatment process and/or the pattern of resource utilisation.14

4.2.2.1 AR-DRG Complexity Split

The AR-DRG complexity split for total discharges is presented in Table 4.1. Over 29 per cent of total discharges had no complexity split. For in-patient discharges, 27.9 per cent were assigned to complexity group A 'Highest consumption of resources', and 57.2 per cent were assigned to complexity group B 'Second highest consumption of resources'.

| TABLE 4.1 Total Discharge | :: AR-DRG Complexit | y Split by Patient Ty | ype (N, %) |
|----------------------------------|---------------------|-----------------------|------------|
|----------------------------------|---------------------|-----------------------|------------|

| | | | | | Discha | irges | | | | |
|--|---------------|------|----------|------|----------|-------|----------|------|-----------|------|
| | Day | | | | In-Patie | entsa | | | Total | |
| | Day Patier | | Same | day | Overni | ght | Tota | ıl | Dischar | |
| | ratiei | its | In-Patie | ents | In-Patie | ents | In-Patie | ents | Discriar | ges |
| | N | % | N | % | N | % | N | % | N | % |
| A Highest consumption of resources | 25,981 | 2.8 | 13,003 | 11.3 | 145,694 | 32.1 | 158,697 | 27.9 | 184,678 | 12.3 |
| B Second highest consumption of resources | 333,453 | 35.8 | 85,432 | 74.0 | 240,191 | 52.9 | 325,623 | 57.2 | 659,076 | 43.9 |
| C Third highest consumption of resources | 156,652 | 16.8 | 4,587 | 4.0 | 51,352 | 11.3 | 55,939 | 9.8 | 212,591 | 14.2 |
| D Fourth highest consumption of resources | 233 | 0.0 | 924 | 0.8 | 5,517 | 1.2 | 6,441 | 1.1 | 6,674 | 0.4 |
| Z No complexity split | 413,991 | 44.5 | 11,566 | 10.0 | 11,369 | 2.5 | 22,935 | 4.0 | 436,926 | 29.1 |
| Total Discharges | 930,310 | 100 | 115,512 | 100 | 454,123 | 100 | 569,635 | 100 | 1,499,945 | 100 |

Notes:

Percentage columns are subject to rounding.

- The sameday and overnight in-patient split is provided in this table for information purposes, this split is not provided in Tables 4.2 to 4.27.
- 'Adjacent Diagnosis Related Group (ADRGs) are clinically meaningful MDC partitions that are generally defined by the same (principal) diagnosis or intervention codes. Occasionally ADRGs may also be defined by age, length of stay (i.e. sameday) and separation mode (e.g. died or transfer). An ADRG consists of one or more end classes or DRGs.' Australian Consortium for Classification Development, 2015, Australian Refined Diagnosis Related Groups, Version 8.0, Definitions Manual, Volume 1. Independent Hospital Pricing Authority. p. xiii.
- 'The separate ranges 01 to 39, 40 to 59 and 60 to 99 are used to indicate the surgical, other and medical partitions respectively.' Australian Consortium for Classification Development, 2015, Australian Refined Diagnosis Related Groups, Version 8.0, Definitions Manual, Volume 1. Independent Hospital Pricing Authority. p. 8.
- For a more detailed description of how AR-DRGs are numbered see Australian Consortium for Classification Development, 2015, Australian Refined Diagnosis Related Groups, Version 8.0, Definitions Manual, Volume 1. Independent Hospital Pricing Authority. pp. 4–11.
- Complications may arise during the hospital stay, while comorbidities are assumed to be prior existing conditions which were present at the time of admission.

4.3 ANALYSIS OF HIPE DATA BY CASE MIX

The analysis presented in this section includes all discharges reported to HIPE. Analysis of 2020 HIPE data by MDC is presented in Table 4.2 and Figures 4.2 and 4.3. Tables 4.3 to 4.27 represent each MDC (including unassignable to MDC and pre-MDC) and their associated AR-DRGs. 15,16,17

4.3.1 Analysis of Day Patients by MDC and AR-DRG

- The MDC with the largest proportion of day patients reported was Neoplastic disorders (haematological and solid neoplasms) (MDC 17), which accounted for 239,995 discharges or 25.8 per cent of day patients (see Tables 4.2 and 4.19 and Figure 4.3).
 - * Chemotherapy (AR-DRG R63Z) accounted for 45.3 per cent of day patients within this MDC, and 11.7 per cent of total day patients; Other Neoplastic Disorders, Minor Complexity (AR-DRG R62C) accounted for 39.1 per cent of day patients within this MDC and 10.1 per cent of total day patients. 18
- Diseases and disorders of the kidney and urinary tract (MDC 11), with 200,630 discharges, accounted for 21.6 per cent of day patients (see Tables 4.2 and 4.13 and Figure 4.3).
 - * Haemodialysis (AR-DRG L61Z) accounted for 89.6 per cent of day patients within this MDC and 19.3 per cent of total day patients.

4.3.2 Analysis of In-Patients by MDC and AR-DRG

- The MDC with the largest proportion of in-patient discharges was Pregnancy, Childbirth and the Puerperium (MDC 14), with 96,929 discharges, which accounted for 17.0 per cent of in-patients (see Tables 4.2 and 4.16 and Figure 4.3).
 - * Vaginal Delivery (AR-DRGs O60A, O60B and O60C) accounted for 36.0 per cent of in-patients within this MDC and 6.1 per cent of total in-patient discharges.

See Glossary & Abbreviations for details of the abbreviations used in this section.

The official classification for AR-DRG's (Version 8.0) has been slightly modified by the addition of two local DRG's specific to Ireland to account for differences in the provision of care between Ireland and Australia. While this practice has been used for Activity Based Funding, this modification to the official AR-DRG classification has only been published in the HIPE Annual Report since 2018. See MDC 9 (Table 4.11) for a description of J98Z (*UV Therapy*) and MDC 17 (Table 4.19) for a description of R99Z (*Oncology Repeat Attendance*).

The calculation of total in-patient length of stay differs in this report compared to reports prior to 2018. Since 2018, the length of stay assigned for sameday in-patients has changed from one bed day to 0.5 bed days. This will impact on the total in-patient length of stay resulting in a lower average length of stay compared to years prior to 2018 (see Section 1.6).

R62 Other Neoplastic Disorders is a new ADRG in Version 8.0 of the AR-DRG classification system; most cases in this ADRG were grouped to R64 Radiotherapy in AR-DRG Version 6.0. For an overview of changes between AR-DRG Version 6.0 and Version 8.0 see Appendix VIII.

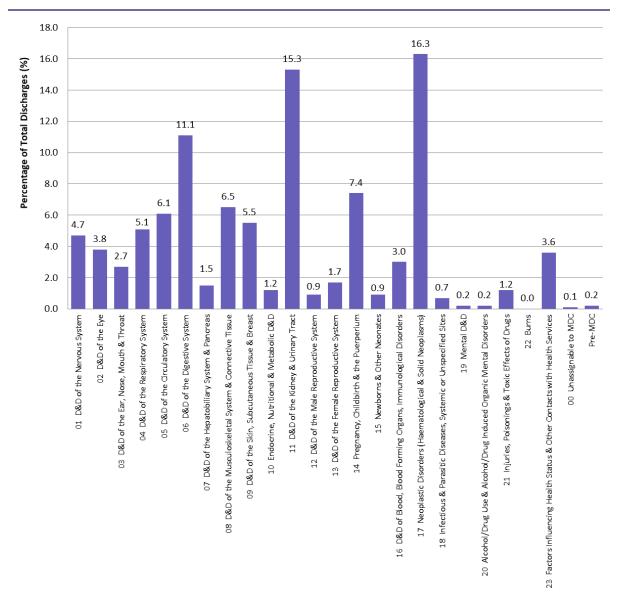
- Antenatal and Other Obstetric Admission (AR-DRGs O66A and O66B) accounted for 34.2 per cent of in-patients within this MDC and 5.8 per cent of total in-patient discharges.
- Caesarean Delivery (AR-DRGs O01A, O01B and O01C) accounted for 20.2 per cent of in-patients within this MDC, with Caesarean Delivery, Minor Complexity (AR-DRG 001C) accounting for the majority of these cases (55.0 per cent).
- For Vaginal Delivery (AR-DRGs O60A, O60B and O60C), the in-patient mean length of stay ranged from 2.0 days for Vaginal Delivery, Minor Complexity (AR-DRG O60C) to 4.2 days for Vaginal Delivery, Major Complexity (AR-DRG O60A).
- For Caesarean Delivery (AR-DRGs O01A, O01B and O01C), the inpatient mean length of stay ranged from 3.6 days for Caesarean Delivery, Minor Complexity (AR-DRG 001C) to 9.5 days for Caesarean Delivery, Major Complexity (AR-DRG 001A).
- Diseases and Disorders of the Circulatory System (MDC 5), with 73,598 inpatient discharges, accounted for 12.9 per cent of total in-patients (see Tables 4.2 and 4.7 and Figure 4.3).
- Diseases and Disorders of the Respiratory System (MDC 4), with 59,645 discharges, accounted for 10.5 per cent of total in-patients (see Tables 4.2 and 4.6 and Figure 4.3).

TABLE 4.2 Total Discharges: MDC by Patient Type (N, %)

| Major Diagnostic Category | Day Patie | nts | In-Patie | nts | Total Disch | arges |
|---|-----------|------|----------|------|-------------|-------|
| Major Diagnostic Category | N | % | N | % | N | % |
| 01 Diseases and disorders of the nervous system | 19,747 | 2.1 | 50,515 | 8.9 | 70,262 | 4.7 |
| 02 Diseases and disorders of the eye | 52,063 | 5.6 | 5,074 | 0.9 | 57,137 | 3.8 |
| 03 Diseases and disorders of the ear, nose, mouth and throat | 18,906 | 2.0 | 21,079 | 3.7 | 39,985 | 2.7 |
| 04 Diseases and disorders of the respiratory system | 17,362 | 1.9 | 59,645 | 10.5 | 77,007 | 5.1 |
| 05 Diseases and disorders of the circulatory system | 18,212 | 2.0 | 73,598 | 12.9 | 91,810 | 6.1 |
| 06 Diseases and disorders of the digestive system | 109,747 | 11.8 | 57,457 | 10.1 | 167,204 | 11.1 |
| 07 Diseases and disorders of the hepatobiliary system and pancreas | 7,081 | 0.8 | 15,763 | 2.8 | 22,844 | 1.5 |
| 08 Diseases and disorders of the musculoskeletal system and connective tissue | 47,596 | 5.1 | 49,839 | 8.7 | 97,435 | 6.5 |
| 09 Diseases and disorders of the skin, subcutaneous tissue and breast | 66,989 | 7.2 | 16,174 | 2.8 | 83,163 | 5.5 |
| 10 Endocrine, nutritional and metabolic diseases and disorders | 6,133 | 0.7 | 11,998 | 2.1 | 18,131 | 1.2 |
| 11 Diseases and disorders of the kidney and urinary tract | 200,630 | 21.6 | 29,258 | 5.1 | 229,888 | 15.3 |
| 12 Diseases and disorders of the male reproductive system | 9,354 | 1.0 | 4,468 | 0.8 | 13,822 | 0.9 |
| 13 Diseases and disorders of the female reproductive system | 16,151 | 1.7 | 8,686 | 1.5 | 24,837 | 1.7 |
| 14 Pregnancy, childbirth and the puerperium | 13,497 | 1.5 | 96,929 | 17.0 | 110,426 | 7.4 |
| 15 Newborns and other neonates | 337 | 0.0 | 12,532 | 2.2 | 12,869 | 0.9 |
| 16 Diseases and disorders of blood, blood forming organs, immunological disorders | 36,724 | 3.9 | 7,525 | 1.3 | 44,249 | 3.0 |
| 17 Neoplastic disorders (haematological and solid neoplasms) | 239,995 | 25.8 | 4,903 | 0.9 | 244,898 | 16.3 |
| 18 Infectious and parasitic diseases, systemic or unspecified sites | 1,340 | 0.1 | 8,745 | 1.5 | 10,085 | 0.7 |
| 19 Mental diseases and disorders | 575 | 0.1 | 2,809 | 0.5 | 3,384 | 0.2 |
| 20 Alcohol/drug use and alcohol/drug induced organic mental disorders | 7 | 0.0 | 3,402 | 0.6 | 3,409 | 0.2 |
| 21 Injuries, poisonings and toxic effects of drugs | 1,305 | 0.1 | 16,372 | 2.9 | 17,677 | 1.2 |
| 22 Burns | 98 | 0.0 | 557 | 0.1 | 655 | 0.0 |
| 23 Factors influencing health status and other contacts with health services | 46,148 | 5.0 | 8,391 | 1.5 | 54,539 | 3.6 |
| Unassignable to MDC | 231 | 0.0 | 1,106 | 0.2 | 1,337 | 0.1 |
| Pre-MDC | 82 | 0.0 | 2,810 | 0.5 | 2,892 | 0.2 |
| Total Discharges | 930,310 | 100 | 569,635 | 100 | 1,499,945 | 100 |

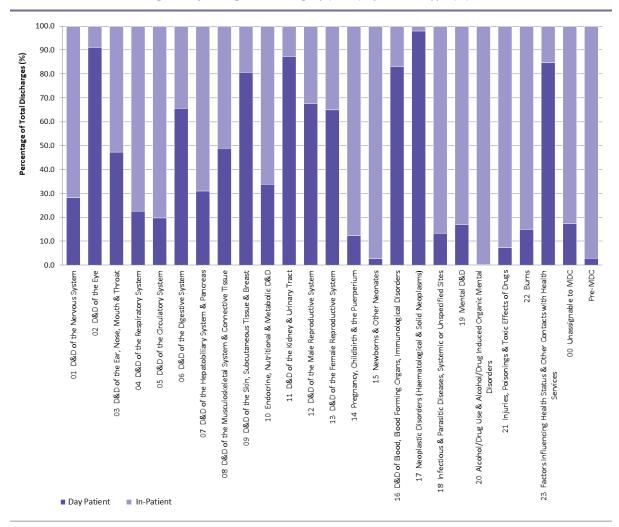
Note: Percentage columns are subject to rounding.

Total Discharges: Major Diagnostic Category (MDC) (%)



D&D = Diseases and disorders Notes: Percentages are subject to rounding.

FIGURE 4.3 Total Discharges: Major Diagnostic Category (MDC) by Patient Type (%)



Note: D&D = Diseases and disorders

 TABLE 4.3
 Total Discharges: MDC 1 Diseases and Disorders of the Nervous System: AR-DRG Version 8.0 by Patient
 Type (N, In-Patient Length of Stay)

| ALDO 4 Division of the Market Control of the | Day Patients | In-Patients ^a | In-Patient | | |
|--|--------------|--------------------------|--------------|----------------------|--|
| MDC 1 Diseases and Disorders of the Nervous System | N | N | | of Stay ^a | |
| 101 A Martin day Church Parining Major Countly it. | N | N 20 | Mean | Median | |
| 01A Ventricular Shunt Revision, Major Complexity | 0 | 20 50 | 7.7 4.4 | | |
| 01B Ventricular Shunt Revision, Minor Complexity | 0 | 210 | | | |
| 102A Cranial Procedures, Major Complexity 102B Cranial Procedures, Intermediate Complexity | ~ | 658 | 25.3 11.7 | 1 | |
| 102C Cranial Procedures, Minor Complexity | 14 | 1,301 | 6.1 | | |
| 303A Spinal Procedures, Milior Complexity | 0 | 1,301 | 17.9 | | |
| 303B Spinal Procedures, Intermediate Complexity | 9 | 135 | 4.0 | | |
| 303C Spinal Procedures, Minor Complexity | 15 | 78 | 4.3 | | |
| 104A Extracranial Vascular Procedures, Major Complexity | 0 | 36 | 18.7 | 1 | |
| 104B Extracranial Vascular Procedures, Intermediate Complexity | 0 | 111 | 10.5 | | |
| 104C Extracranial Vascular Procedures, Minor Complexity | 0 | 188 | 5.4 | | |
| 05Z Carpal Tunnel Release | 1,087 | 27 | 1.1 | | |
| 06A Procedures for Cerebral Palsy, Muscular Dystrophy and Neuropathy, Major Comp | ~ | 32 | 49.0 | 1 | |
| 06B Procedures for Cerebral Palsy, Muscular Dystrophy and Neuropathy, Interm Comp | 8 | 40 | 10.8 | - | |
| 06C Procedures for Cerebral Palsy, Muscular Dystrophy and Neuropathy, Minor Comp | 171 | 79 | 4.6 | | |
| 107A Cranial or Peripheral Nerve and Other Nervous System Procedures, Major Comp | ~ | 34 | 22.2 | 1 | |
| 07B Cranial or Peripheral Nerve and Other Nervous System Procedures, Major Comp | 121 | 333 | 1.7 | | |
| 40Z Plasmapheresis W Neurological Disease, Sameday | 73 | ~ | 1.7 | | |
| 41Z Telemetric EEG Monitoring | /3 | 168 | 6.8 | | |
| 42A Nervous System Disorders W Ventilator Support, Major Complexity | 0 | 72 | 31.4 | 1 | |
| 42B Nervous System Disorders W Ventilator Support, Major Complexity | 0 | 132 | 6.6 | - | |
| 60A Acute Paraplegia and Quadriplegia W or W/O OR Procedures, Major Complexity | 0 | 43 | 65.0 | 2 | |
| 60B Acute Paraplegia and Quadriplegia W or W/O OR Procedures, Minor Complexity | ~ | 135 | 29.4 | _ | |
| 61A Spinal Cord Conditions W or W/O OR Procedures, Major Complexity | ~ | 79 | 44.0 | 1 | |
| 61B Spinal Cord Conditions W or W/O OR Procedures, Minor Complexity | 15 | 112 | 9.5 | _ | |
| 62Z Apheresis | 12 | * | ۸.5 | | |
| 63A Dementia and Other Chronic Disturbances of Cerebral Function, Major Complexity | 27 | 819 | 37.9 | 2 | |
| 63B Dementia and Other Chronic Disturbances of Cerebral Function, Major Complexity | 122 | 701 | 17.0 | | |
| 64A Delirium, Major Complexity | ~ | 1,042 | 16.1 | | |
| 64B Delirium, Minor Complexity | 15 | 1,112 | 4.3 | | |
| 65A Cerebral Palsy, Major Complexity | 23 | 26 | 18.7 | | |
| 65B Cerebral Palsy, Minor Complexity | 239 | 10 | 4.5 | | |
| 66A Nervous System Neoplasms, Major Complexity | 65 | 545 | 16.4 | | |
| 66B Nervous System Neoplasms, Minor Complexity | 1,645 | 779 | 7.1 | | |
| 67A Degenerative Nervous System Disorders, Major Complexity | 56 | 902 | 24.6 | 1 | |
| 67B Degenerative Nervous System Disorders, Intermediate Complexity | 483 | 654 | 6.2 | | |
| 67C Degenerative Nervous System Disorders, Minor Complexity | 848 | 119 | 5.1 | | |
| 68A Multiple Sclerosis and Cerebellar Ataxia, Major Complexity | 227 | 346 | 10.2 | | |
| 68B Multiple Scienosis and Cerebellar Ataxia, Minor Complexity | 5,728 | 492 | 3.1 | | |
| 69A TIA and Precerebral Occlusion, Major Complexity | 0 | 771 | 7.8 | | |
| | 26 | | 3.2 | | |
| 69B TIA and Precerebral Occlusion, Minor Complexity 70A Stroke and Other Cerebrovascular Disorders, Major Complexity | 0 | 2,060 846 | 50.2 | 3 | |
| 708 Stroke and Other Cerebrovascular Disorders, Major Complexity 708 Stroke and Other Cerebrovascular Disorders, Intermediate Complexity | 17 | 2,231 | 20.0 | 1 | |
| 70C Stroke and Other Cerebrovascular Disorders, Minor Complexity | 19 | 3,349 | 9.2 | | |
| 700 Stroke and Other Cerebrovascular Disorders, Milital Complexity | 12 | 353 | 1.4 | | |
| 71A Cranial and Peripheral Nerve Disorders, Major Complexity | 1,223 | | 5.9 | | |
| 718 Cranial and Peripheral Nerve Disorders, Miajor Complexity 718 Cranial and Peripheral Nerve Disorders, Minor Complexity | 2,734 | 1,352 408 | 2.5 | | |
| 72A Nervous System Infection Except Viral Meningitis, Major Complexity | 2,734 | 211 | | 1 | |
| 728 Nervous System Infection Except Viral Meningitis, Major Complexity | 121 | 198 | 24.1 8.9 | 1 | |
| | ~ | | | | |
| 73Z Viral Meningitis | ~ | 157 | 6.4 | | |
| 74A Nontraumatic Stupor and Coma, Major Complexity | | 40 | 8.6 | | |
| 74B Nontraumatic Stupor and Coma, Minor Complexity | 12 27 | 123 | 2.7 | | |
| 75Z Febrile Convulsions | | 289 | 1.7 | | |
| 76A Seizures, Major Complexity | 44 | 2,032 | 7.9 | | |
| 76B Seizures, Minor Complexity | 743 | 4,854 | 2.3 | | |
| 77A Headaches, Major Complexity | 77 | 1,901 | 3.3 | | |
| 77B Headaches, Minor Complexity | 1,166 | 7,767 | 1.3 | 1 | |
| 78A Intracranial Injuries, Major Complexity | 0 | 374 | 32.1 | 1 | |
| 78B Intracranial Injuries, Minor Complexity | 30 | 794 | 8.8 | | |
| 78C Intracranial Injuries, Transferred <5 Days | 0 | 91 | 1.1 | | |
| 79A Skull Fractures, Major Complexity | ~ | 141 | 8.7 | | |

TABLE 4.3 Total Discharges: MDC 1 Diseases and Disorders of the Nervous System: AR-DRG Version 8.0 by Patient Type (N, In-Patient Length of Stay) (contd.)

| MDC 1 Diseases and Disorders of the Nervous System | Day Patients | In-Patients ^a | | atient of Stay ^a |
|---|--------------|--------------------------|-------|--------------------------------|
| | N | N | Mean | Median |
| B79B Skull Fractures, Minor Complexity | 0 | 179 | 1.9 | 1 |
| B80A Other Head Injuries, Major Complexity | 0 | 439 | 8.6 | 4 |
| B80B Other Head Injuries, Minor Complexity | ~ | 2,342 | 1.1 | 1 |
| B81A Other Disorders of the Nervous System, Major Complexity | 29 | 1,007 | 19.2 | 10 |
| B81B Other Disorders of the Nervous System, Minor Complexity | 2,341 | 4,106 | 4.0 | 1 |
| B82A Chronic & Unspec Para/Quadriplegia W or W/O OR Proc, Major Complexity | 0 | 106 | 120.6 | 42 |
| B82B Chronic & Unspec Para/Quadriplegia W or W/O OR Proc, Intermediate Complexity | 6 | 165 | 22.2 | 10 |
| B82C Chronic & Unspec Para/Quadriplegia W or W/O OR Proc, Minor Complexity | 80 | 148 | 6.2 | 4 |
| Total | 19,747 | 50,515 | 8.5 | 3 |

- Denotes five or fewer discharges reported to HIPE.
- * Further suppression required to prevent disclosure of five or fewer discharges.
- ^ Denotes that length of stay is suppressed where the number of discharges is not reported.
- a Based on total in-patients (sameday and overnight in-patients). Excludes day patients.

TABLE 4.4 Total Discharges: MDC 2 Diseases and Disorders of the Eye: AR-DRG Version 8.0 by Patient Type (N, In-Patient Length of Stay)

| MDC 2 Diseases and Disorders of the Eye | Day Patients | In-Patients ^a | | atient of Stay ^a |
|---|--------------|--------------------------|------|--------------------------------|
| INDE 2 Diseases and Disorders of the Lye | N | N | Mean | Median |
| C01A Procedures for Penetrating Eye Injury, Major Complexity | ~ | 34 | 4.8 | 3 |
| C01B Procedures for Penetrating Eye Injury, Minor Complexity | 7 | 51 | 3.0 | 2 |
| C02Z Enucleations and Orbital Procedures | 24 | 71 | 2.4 | 1 |
| CO3A Retinal Procedures, Major Complexity | 3,167 | 961 | 2.2 | 2 |
| C03B Retinal Procedures, Minor Complexity | 30,494 | 190 | 1.7 | 1 |
| CO4A Major Corneal, Scleral and Conjunctival Procedures, Major Complexity | ~ | 41 | 5.4 | 2 |
| CO4B Major Corneal, Scleral and Conjunctival Procedures, Minor Complexity | 17 | 90 | 1.6 | 2 |
| C05Z Dacryocystorhinostomy | 38 | 52 | 1.1 | 1 |
| C10Z Strabismus Procedures | 481 | 42 | 1.0 | 1 |
| C11Z Eyelid Procedures | 785 | 55 | 1.1 | 1 |
| C12Z Other Corneal, Scleral and Conjunctival Procedures | 352 | 67 | 4.6 | 3 |
| C13Z Lacrimal Procedures | 238 | 6 | 1.5 | 1 |
| C14A Other Eye Procedures, Major Complexity | 66 | 57 | 4.2 | 3 |
| C14B Other Eye Procedures, Minor Complexity | 1,010 | 47 | 1.1 | 1 |
| C15Z Glaucoma and Complex Cataract Procedures | 642 | 202 | 2.2 | 1 |
| C16Z Lens Procedures | 8,530 | 130 | 2.5 | 1 |
| C60A Acute and Major Eye Infections, Major Complexity | ~ | 49 | 10.1 | 7 |
| C60B Acute and Major Eye Infections, Minor Complexity | 25 | 156 | 4.9 | 4 |
| C61A Neurological and Vascular Disorders of the Eye, Major Complexity | 212 | 464 | 5.5 | 3 |
| C61B Neurological and Vascular Disorders of the Eye, Minor Complexity | 603 | 558 | 2.3 | 1 |
| C62A Hyphaema and Medically Managed Trauma to the Eye, Major Complexity | 16 | 169 | 8.3 | 4 |
| C62B Hyphaema and Medically Managed Trauma to the Eye, Minor Complexity | 40 | 341 | 1.5 | 1 |
| C63A Other Disorders of the Eye, Major Complexity | 152 | 173 | 5.6 | 3 |
| C63B Other Disorders of the Eye, Intermediate Complexity | 1,892 | 931 | 2.1 | 1 |
| C63C Other Disorders of the Eye, Minor Complexity | 3,263 | 137 | 1.7 | 1 |
| Total | 52,063 | 5,074 | 3.0 | 1 |

- ~ Denotes five or fewer discharges reported to HIPE.
- a Based on total in-patients (sameday and overnight in-patients). Excludes day patients.

 TABLE 4.5
 Total Discharges: MDC 3 Diseases and Disorders of the Ear, Nose, Mouth and Throat: AR-DRG Version 8.0
 by Patient Type (N, In-Patient Length of Stay)

| | Day Patients | In-Patients ^a | In-P | atient |
|--|--------------|--------------------------|--------|----------------------|
| MDC 3 Diseases and Disorders of the Ear, Nose, Mouth and Throat | | | Length | of Stay ^a |
| | N | N | Mean | Median |
| D01Z Cochlear Implant | ~ | 82 | 2.0 | 2 |
| D02A Head and Neck Procedures, Major Complexity | ~ | 62 | 23.4 | 14 |
| D02B Head and Neck Procedures, Intermediate Complexity | ~ | 41 | 7.9 | 6 |
| D02C Head and Neck Procedures, Minor Complexity | 22 | 71 | 3.2 | 2 |
| D03Z Surgical Repair for Cleft Lip and Palate Disorders | 20 | 116 | 2.4 | 2 |
| D04A Maxillo Surgery, Major Complexity | 20 | 248 | 3.0 | 2 |
| D04B Maxillo Surgery, Minor Complexity | 17 | 188 | 2.3 | 2 |
| D05Z Parotid Gland Procedures | ~ | 128 | 2.1 | 2 |
| D06Z Sinus and Complex Middle Ear Procedures | 342 | 524 | 1.5 | 1 |
| D10Z Nasal Procedures | 439 | 317 | 1.3 | 1 |
| D11Z Tonsillectomy and Adenoidectomy | 403 | 2,047 | 1.2 | 1 |
| D12A Other Ear, Nose, Mouth and Throat Procedures, Major Complexity | 43 | 96 | 7.9 | 4 |
| D12B Other Ear, Nose, Mouth and Throat Procedures, Minor Complexity | 946 | 295 | 1.8 | 1 |
| D13Z Myringotomy W Tube Insertion | 964 | 46 | 3.2 | 1 |
| D14A Mouth and Salivary Gland Procedures, Major Complexity | 205 | 189 | 3.9 | 2 |
| D14B Mouth and Salivary Gland Procedures, Minor Complexity | 442 | 50 | 1.9 | 1 |
| D15Z Mastoid Procedures | 11 | 192 | 1.7 | 1 |
| D40Z Dental Extractions and Restorations | 2,823 | 254 | 1.7 | 1 |
| D60A Ear, Nose, Mouth and Throat Malignancy, Major Complexity | 11 | 260 | 24.4 | 18 |
| D60B Ear, Nose, Mouth and Throat Malignancy, Minor Complexity | 923 | 288 | 10.2 | 4 |
| D61A Dysequilibrium, Major Complexity | 15 | 846 | 4.5 | 3 |
| D61B Dysequilibrium, Minor Complexity | 449 | 4,273 | 1.7 | 1 |
| D62A Epistaxis, Major Complexity | ~ | 121 | 7.2 | 5 |
| D62B Epistaxis, Minor Complexity | 458 | 718 | 2.2 | 2 |
| D63A Otitis Media and Upper Respiratory Infections, Major Complexity | 185 | 2,193 | 5.0 | 2 |
| D63B Otitis Media and Upper Respiratory Infections, Minor Complexity | 1,432 | 3,886 | 1.4 | 1 |
| D64A Laryngotracheitis and Epiglottitis, Major Complexity | ~ | 30 | 2.8 | 2 |
| D64B Laryngotracheitis and Epiglottitis, Minor Complexity | 22 | 213 | 0.9 | 1 |
| D65A Nasal Trauma and Deformity, Major Complexity | 6 | 149 | 7.3 | 3 |
| D65B Nasal Trauma and Deformity, Minor Complexity | 581 | 284 | 1.1 | 1 |
| D66A Other Ear, Nose, Mouth and Throat Disorders, Major Complexity | 423 | 411 | 3.8 | 1 |
| D66B Other Ear, Nose, Mouth and Throat Disorders, Minor Complexity | 6,831 | 1,267 | 1.4 | 1 |
| D67A Oral and Dental Disorders, Major Complexity | 42 | 361 | 6.8 | 3 |
| D67B Oral and Dental Disorders, Minor Complexity | 821 | 833 | 1.6 | 1 |
| Total | 18,906 | 21,079 | 2.8 | 1 |

Notes: ~

Denotes five or fewer discharges reported to HIPE.

Based on total in-patients (sameday and overnight in-patients). Excludes day patients.

TABLE 4.6 Total Discharges: MDC 4 Diseases and Disorders of the Respiratory System: AR-DRG Version 8.0 by Patient Type (N, In-Patient Length of Stay)

| | Day Patients | In-Patients ^a | | atient |
|--|--------------|--------------------------|------------|----------------------|
| MDC 4 Diseases and Disorders of the Respiratory System | | | Length | of Stay ^a |
| | N | N | Mean | Median |
| E01A Major Chest Procedures, Major Complexity | 0 | 60 | 29.1 | 27 |
| E01B Major Chest Procedures, Intermediate Complexity | ~ | 251 | 14.5 | 12 |
| E01C Major Chest Procedures, Minor Complexity | 21 | 487 | 7.8 | 7 |
| E02A Other Respiratory System OR Procedures, Major Complexity | ~ | 198 | 20.8 | 15 |
| E02B Other Respiratory System OR Procedures, Intermediate Complexity | 105 | 201 | 7.4 | 5 |
| E02C Other Respiratory System OR Procedures, Minor Complexity | 85 | 64 | 1.7 | 1 |
| E40A Respiratory System Disorders W Ventilator Support, Major Complexity | 0 | 100 | 19.8 | 14 |
| E40B Respiratory System Disorders W Ventilator Support, Minor Complexity | 0 | 152 | 11.8 | 8 |
| E41A Respiratory System Disorders W Non-Invasive Ventilation, Major Complexity | 0 | 649 | 24.2 | 16 |
| E41B Respiratory System Disorders W Non-Invasive Ventilation, Minor Complexity | 0 | 1,552 | 13.2 | 9 |
| E42A Bronchoscopy, Major Complexity | 285 | 763 | 15.6 | 12 |
| E42B Bronchoscopy, Minor Complexity | 4,696 | 414 | 5.2 | 4 |
| E60A Cystic Fibrosis, Major Complexity | 28 | 381 | 14.4 | 14 |
| E60B Cystic Fibrosis, Minor Complexity | 1,890 | 195 | 9.3 | 9 |
| E61A Pulmonary Embolism, Major Complexity | ~ | 766 | 11.3 | 8 |
| E61B Pulmonary Embolism, Minor Complexity | 21 | 974 | 4.3 | 4 |
| E62A Respiratory Infections and Inflammations, Major Complexity | 22 | 9,068 | 12.6 | 8 |
| E62B Respiratory Infections and Inflammations, Minor Complexity | 49 | 4,113 | 5.4 | 4 |
| E63A Sleep Apnoea, Major Complexity | ~ | 332 | 2.9 | 1 |
| E63B Sleep Apnoea, Minor Complexity | 55 | 657 | 1.2 | 1 |
| E64A Pulmonary Oedema and Respiratory Failure, Major Complexity | 0 | 228 | 12.8 | 8 |
| E64B Pulmonary Oedema and Respiratory Failure, Minor Complexity | ~ | 230 | 5.6 | 4 |
| E65A Chronic Obstructive Airways Disease, Major Complexity | 50 | 4493 | 10.1 | 7 |
| E65B Chronic Obstructive Airways Disease, Minor Complexity | 630 | 6248 | 4.4 | 3 |
| E66A Major Chest Trauma, Major Complexity | 0 | 275 | 14.0 | 9 |
| E66B Major Chest Trauma, Minor Complexity | ~ | 361 | 3.8 | 2 |
| E67A Respiratory Signs and Symptoms, Major Complexity | 144 | 3,691 | 3.6 | 1 |
| E67B Respiratory Signs and Symptoms, Minor Complexity | 972 | 4,136 | 1.2 | 1 |
| E68A Pneumothorax, Major Complexity | ~ | 341 | 8.6 | 6 |
| E68B Pneumothorax, Minor Complexity | ~ | 386 | 3.7 | 3 |
| · · | 40 | 565 | 5.4 | 4 |
| E69A Bronchitis and Ashma, Major Complexity | | | | |
| E69B Bronchitis and Asthma, Minor Complexity | 4,168 | 2,335 141 | 2.0 3.7 | 1 |
| E70A Whooping Cough and Acute Bronchiolitis, Major Complexity | | | | |
| E70B Whooping Cough and Acute Bronchiolitis, Minor Complexity | 9 | 735 | 2.4 | 2 |
| E71A Respiratory Neoplasms, Major Complexity | 35 | 934 | 14.2 | 10 |
| E71B Respiratory Neoplasms, Minor Complexity | 2,368 | 1,044 | 6.2 | 4 |
| E72Z Respiratory Problems Arising from Neonatal Period | ~ | 55 | 5.5 | 3 |
| E73A Pleural Effusion, Major Complexity | | 181 | 15.8 | 11 |
| E73B Pleural Effusion, Intermediate Complexity | 26 | 427 | 7.9 | 6 |
| E73C Pleural Effusion, Minor Complexity | 67 | 240 | 4.2 | 2 |
| E74A Interstitial Lung Disease, Major Complexity | 96 | 507 | 10.8 | 7 |
| E74B Interstitial Lung Disease, Minor Complexity | 895 | 324 | 4.1 | 3 |
| E75A Other Respiratory System Disorders, Major Complexity | 43 | 6,763 | 8.3 | 5 |
| E75B Other Respiratory System Disorders, Minor Complexity | 503 | 3,557 | 2.3 | 1 |
| E76A Respiratory Tuberculosis, Major Complexity | ~ | 38 | 18.2 | 12 |
| E76B Respiratory Tuberculosis, Minor Complexity | 33 | 33 | 11.3 | 8 |
| Total | 17,362 | 59,645 | 7.4 | 4 |

Notes: ~ Denotes five or fewer discharges reported to HIPE.

a Based on total in-patients (sameday and overnight in-patients). Excludes day patients.

 TABLE 4.7
 Total Discharges: MDC 5 Diseases and Disorders of the Circulatory System: AR-DRG Version 8.0 by Patient
 Type (N, In-Patient Length of Stay)

| | D. D. | I. D. I. | | |
|---|--------------|--------------------------|--------------|----------------------|
| MDC F Diseases and Diseases of the Cinculaters Content | Day Patients | In-Patients ^a | | atient |
| MDC 5 Diseases and Disorders of the Circulatory System | N | N. | | of Stay ^a |
| F01A Implantation and Replacement of AICD, Total System, Major Complexity | N ~ | N 59 | Mean 20.5 | Median 15 |
| FO1B Implantation and Replacement of AICD, Total System, Minor Complexity | 229 | 199 | 5.0 | 2 |
| FO2Z Other AICD Procedures | 7 | 24 | 6.3 | 5 |
| F03A Cardiac Valve Procedures W CPB Pump W Invasive Cardiac Investigation, Major | 0 | 38 | 41.1 | 29 |
| Comp | o o | 30 | 71.1 | 23 |
| F03B Cardiac Valve Procedures W CPB Pump W Invasive Cardiac Investigation, Minor | 0 | 54 | 21.4 | 20 |
| Comp | | | | |
| F04A Cardiac Valve Procedures W CPB Pump W/O Invasive Cardiac Invest, Major Comp | 0 | 39 | 29.9 | 19 |
| F04B Cardiac Valve Procedures W CPB Pump W/O Invasive Cardiac Invest, Interm Comp | 0 | 199 | 12.5 | 10 |
| F04C Cardiac Valve Procedures W CPB Pump W/O Invasive Cardiac Invest, Minor Comp | ~ | 305 | 8.4 | 7 |
| F05A Coronary Bypass W Invasive Cardiac Investigation, Major Complexity | 0 | 36 | 31.3 | 29 |
| F05B Coronary Bypass W Invasive Cardiac Investigation, Minor Complexity | 0 | 128 | 19.9 | 17 |
| F06A Coronary Bypass W/O Invasive Cardiac Investigation, Major Complexity | 0 | 49 | 19.0 | 17 |
| F06B Coronary Bypass W/O Invasive Cardiac Investigation, Minor Complexity | 0 | 405 | 10.9 | 9 |
| F07A Other Cardiothoracic/Vascular Procedures W CPB Pump, Major Complexity | 0 | 24 | 20.0 | 16 |
| F07B Other Cardiothoracic/Vascular Procedures W CPB Pump, Intermediate Complexity | 0 | 60 | 13.5 | 9 |
| F07C Other Cardiothoracic/Vascular Procedures W CPB Pump, Minor Complexity | 0 | 92 | 10.5 | 9 |
| F08A Major Reconstructive Vascular Procedures W/O CPB Pump, Major Complexity | 0 | 73 | 38.2 | 26 |
| F08B Major Reconstructive Vascular Procedures W/O CPB Pump, Intermediate | 0 | 310 | 14.2 | 11 |
| Complexity | | | | |
| F08C Major Reconstructive Vascular Procedures W/O CPB Pump, Minor Complexity | 14 | 272 | 8.4 | 7 |
| F09A Other Cardiothoracic Procedures W/O CPB Pump, Major Complexity | ~ | 22 | 19.7 | 16 |
| F09B Other Cardiothoracic Procedures W/O CPB Pump, Intermediate Complexity | ~ | 49 | 8.3 | 5 |
| F09C Other Cardiothoracic Procedures W/O CPB Pump, Minor Complexity | 11 | 63 | 4.8 | 2 |
| F10A Interventional Coronary Procedures, Admitted for AMI, Major Complexity | 0 | 233 | 10.9 | 7 |
| F10B Interventional Coronary Procedures, Admitted for AMI, Minor Complexity | 64 | 1,626 | 2.9 | 3 |
| F11A Amputation, Except Upper Limb and Toe, for Circulatory Disorders, Major Comp | 0 | 69 116 | 77.2 28.4 | 51 |
| F11B Amputation, Except Upper Limb and Toe, for Circulatory Disorders, Minor Comp | ~ | 257 | 11.6 | 23 7 |
| F12A Implantation and Replacement of Pacemaker, Total System, Major Complexity F12B Implantation and Replacement of Pacemaker, Total System, Minor Complexity | 382 | 529 | 3.8 | 3 |
| F13A Amputation, Upper Limb and Toe, for Circulatory Disorders, Major Complexity | 0 | 35 | 28.7 | 22 |
| F13B Amputation, Opper Limb and Toe, for Circulatory Disorders, Minor Complexity | ~ | 76 | 10.2 | 9 |
| F14A Vascular Procedures, Except Major Reconstruction, W/O CPB Pump, Major | 15 | 167 | 18.6 | 12 |
| Complexity | 13 | 10, | 10.0 | |
| F14B Vascular Procedures, Except Major Reconstruction, W/O CPB Pump, Interm Comp | 13 | 324 | 8.5 | 7 |
| F14C Vascular Procedures, Except Major Reconstruction, W/O CPB Pump, Minor | 145 | 310 | 4.8 | 2 |
| Complexity | | | | |
| F15A Interventional Coronary Procs, Not Adm for AMI, W Stent Implant, Major Comp | 8 | 343 | 8.7 | 5 |
| F15B Interventional Coronary Procs, Not Adm for AMI, W Stent Implant, Minor Comp | 631 | 1,415 | 2.3 | 1 |
| F16A Interventional Coronary Procs, Not Adm for AMI, W/O Stent Implant, Major Comp | ~ | 25 | 8.4 | 5 |
| F16B Interventional Coronary Procs, Not Adm for AMI, W/O Stent Implant, Minor Comp | 37 | 104 | 2.4 | 1 |
| F17A Insertion and Replacement of Pacemaker Generator, Major Complexity | ~ | 29 | 7.2 | 3 |
| F17B Insertion and Replacement of Pacemaker Generator, Minor Complexity | 258 | 37 | 2.4 | 1 |
| F18A Other Pacemaker Procedures, Major Complexity | ~ | 31 | 20.3 | 7 |
| F18B Other Pacemaker Procedures, Minor Complexity | 19 | 35 | 3.5 | 2 |
| F19A Trans-Vascular Percutaneous Cardiac Intervention, Major Complexity | 24 | 60 | 6.2 | 2 |
| F19B Trans-Vascular Percutaneous Cardiac Intervention, Minor Complexity | 104 | 75 | 1.2 | 1 |
| F20Z Vein Ligation and Stripping | 2,284 | 121 | 1.8 | 1 |
| F21A Other Circulatory System OR Procedures, Major Complexity | 0 | 35 | 24.5 | 18 |
| F21B Other Circulatory System OR Procedures, Intermediate Complexity | 11 | 40 | 6.4 | 4 |
| F21C Other Circulatory System OR Procedures, Minor Complexity | 18 | 24 | 4.1 | 3 |
| F40A Circulatory Disorders W Ventilator Support, Major Complexity | 0 | 49 | 18.6 | 13 |
| F40B Circulatory Disorders W Ventilator Support, Minor Complexity | 0 | 54 | 5.4 | 3 |

 TABLE 4.7
 Total Discharges: MDC 5 Diseases and Disorders of the Circulatory System: AR-DRG Version 8.0 by Patient
 Type (N, In-Patient Length of Stay) (contd.)

| MDC 5 Diseases and Disorders of the Circulatory System | Day Patients | In-Patients ^a | In-Patient Length of Stay ^a | |
|---|--------------|--------------------------|---|--------|
| Tribe 3 biseases and bisorders of the circulatory 3ystem | N | N | Mean | Median |
| F41A Circulatory Disorders, Adm for AMI W Invasive Cardiac Inves Proc, Major Comp | ~ | 126 | 11.4 | 8 |
| F41B Circulatory Disorders, Adm for AMI W Invasive Cardiac Inves Proc, Minor Comp | 42 | 568 | 3.7 | 2 |
| F42A Circulatory Dsrds, Not Adm for AMI W Invasive Cardiac Inves Proc, Major Comp | 215 | 1,011 | 8.8 | 6 |
| F42B Circulatory Dsrds, Not Adm for AMI W Invasive Cardiac Inves Proc, Minor Comp | 5,917 | 2,536 | 2.8 | 2 |
| F43A Circulatory Disorders W Non-Invasive Ventilation, Major Complexity | 0 | 90 | 27.2 | 19 |
| F43B Circulatory Disorders W Non-Invasive Ventilation, Minor Complexity | 0 | 137 | 16.4 | 13 |
| F60A Circulatory Dsrd, Adm for AMI W/O Invas Card Inves Proc | ~ | 2,570 | 7.6 | 5 |
| F60B Circulatory Dsrd, Adm for AMI W/O Invas Card Inves Proc, Transf <5 Days | ~ | 511 | 1.7 | 1 |
| F61A Infective Endocarditis, Major Complexity | 6 | 79 | 26.1 | 20 |
| F61B Infective Endocarditis, Minor Complexity | 22 | 54 | 15.3 | 12 |
| F62A Heart Failure and Shock, Major Complexity | ~ | 2,420 | 14.9 | 10 |
| F62B Heart Failure and Shock, Minor Complexity | 217 | 3,589 | 6.3 | 5 |
| F62C Heart Failure and Shock, Transferred <5 Days | 6 | 130 | 1.7 | 1 |
| F63A Venous Thrombosis, Major Complexity | ~ | 510 | 7.7 | 5 |
| F63B Venous Thrombosis, Minor Complexity | 92 | 1,475 | 1.5 | 1 |
| F64A Skin Ulcers in Circulatory Disorders, Major Complexity | 0 | 134 | 19.3 | 12 |
| F64B Skin Ulcers in Circulatory Disorders, Intermediate Complexity | 51 | 209 | 8.4 | 6 |
| F64C Skin Ulcers in Circulatory Disorders, Minor Complexity | ~ | 68 | 8.3 | 5 |
| F65A Peripheral Vascular Disorders, Major Complexity | 99 | 486 | 14.2 | 7 |
| F65B Peripheral Vascular Disorders, Minor Complexity | 1,111 | 792 | 5.3 | 2 |
| F66A Coronary Atherosclerosis, Major Complexity | 67 | 318 | 8.0 | 6 |
| F66B Coronary Atherosclerosis, Minor Complexity | 386 | 1,912 | 3.4 | 2 |
| F67A Hypertension, Major Complexity | ~ | 373 | 6.9 | 4 |
| F67B Hypertension, Minor Complexity | 71 | 2,147 | 1.6 | 1 |
| F68A Congenital Heart Disease, Major Complexity | 216 | 82 | 6.3 | 2 |
| F68B Congenital Heart Disease, Minor Complexity | 371 | 63 | 2.1 | 1 |
| F69A Valvular Disorders, Major Complexity | 29 | 330 | 9.2 | 6 |
| F69B Valvular Disorders, Minor Complexity | 516 | 3,583 | 1.5 | 1 |
| F72A Unstable Angina, Major Complexity | 0 | 159 | 9.3 | 6 |
| F72B Unstable Angina, Minor Complexity | 10 | 932 | 3.6 | 2 |
| F73A Syncope and Collapse, Major Complexity | 42 | 2,612 | 10.1 | 6 |
| F73B Syncope and Collapse, Minor Complexity | 1,724 | 7,210 | 2.5 | 1 |
| F74A Chest Pain, Major Complexity | 35 | 2,664 | 3.0 | 2 |
| F74B Chest Pain, Minor Complexity | 435 | 14,723 | 1.2 | 1 |
| F75A Other Circulatory Disorders, Major Complexity | ~ | 343 | 14.7 | 9 |
| F75B Other Circulatory Disorders, Intermediate Complexity | 23 | 542 | 6.8 | 5 |
| F75C Other Circulatory Disorders, Minor Complexity | 567 | 1,617 | 3.3 | 2 |
| F76A Arrhythmia, Cardiac Arrest and Conduction Disorders, Major Complexity | 47 | 2,182 | 7.5 | 5 |
| F76B Arrhythmia, Cardiac Arrest and Conduction Disorders, Minor Complexity | 1,580 | 5,592 | 2.4 | 1 |
| Total | 18,212 | 73,598 | 4.7 | 2 |

Notes: ~ Denotes five or fewer discharges reported to HIPE.

a Based on total in-patients (sameday and overnight in-patients). Excludes day patients.

Total Discharges: MDC 6 Diseases and Disorders of the Digestive System: AR-DRG Version 8.0 by Patient **TABLE 4.8** Type (N, In-Patient Length of Stay)

| MDC 6 Diseases and Disorders of the Digestive System | Day Patients | In-Patients ^a | | atient of Stay ^a |
|---|--------------|--------------------------|------|--------------------------------|
| | N | N | Mean | Median |
| G01A Rectal Resection, Major Complexity | 0 | 71 | 38.3 | 28 |
| G01B Rectal Resection, Intermediate Complexity | 0 | 185 | 20.5 | 18 |
| G01C Rectal Resection, Minor Complexity | ~ | 612 | 10.0 | -8 |
| G02A Major Small and Large Bowel Procedures, Major Complexity | 0 | 243 | 44.7 | 34 |
| G02B Major Small and Large Bowel Procedures, Intermediate Complexity | 0 | 710 | 20.4 | 16 |
| G02C Major Small and Large Bowel Procedures, Minor Complexity | 42 | 1,315 | 9.5 | 7 |
| G03A Stomach, Oesophageal and Duodenal Procedures, Major Complexity | ~ | 152 | 23.0 | 17 |
| G03B Stomach, Oesophageal and Duodenal Procedures, Intermediate Complexity | 11 | 199 | 11.3 | 9 |
| G03C Stomach, Oesophageal and Duodenal Procedures, Minor Complexity | 39 | 217 | 5.6 | |
| G04A Peritoneal Adhesiolysis, Major Complexity | 0 | 68 | 26.5 | 2: |
| GO4A Peritoneal Adhesiolysis, Intermediate Complexity | ~ | 261 | 9.2 | 2. |
| G04C Peritoneal Adhesiolysis, Minor Complexity | 61 | 485 | 4.2 | 3 |
| G05A Minor Small and Large Bowel Procedures, Major Complexity | 0 | 62 | 19.9 | 14 |
| G05B Minor Small and Large Bowel Procedures, Minor Complexity | 8 | 238 | 6.5 | 1- |
| G06Z Pyloromyotomy | 0 | 51 | 3.8 | 3 |
| G07A Appendicectomy, Major Complexity | ~ | 616 | 6.0 | |
| GO7A Appendicectomy, Major Complexity GO7B Appendicectomy, Minor Complexity | 41 | 4,564 | 2.7 | - |
| G10A Hernia Procedures, Major Complexity | 31 | 313 | 7.8 | |
| G10B Hernia Procedures, Minor Complexity | 2,076 | 1.544 | 1.9 | |
| G11A Anal and Stomal Procedures, Major Complexity | 42 | 300 | 7.3 | |
| | 943 | 863 | 2.1 | |
| G11B Anal and Stomal Procedures, Minor Complexity G12A Other Directive System OR Procedures, Major Complexity | 943 | 98 | 32.9 | 24 |
| G12A Other Digestive System OR Procedures, Major Complexity | 12 | 286 | 10.9 | 24 |
| G12B Other Digestive System OR Procedures, Intermediate Complexity | 224 | 288 | 4.9 | 3 |
| G12C Other Digestive System OR Procedures, Minor Complexity | 501 | | 12.5 | |
| G46A Complex Endoscopy, Major Complexity | 9,137 | 1,166 543 | 4.8 | 3 |
| G46B Complex Endoscopy, Minor Complexity | , | | | - |
| G47A Gastroscopy, Major Complexity | 146 | 1,742 | 11.1 | |
| G476 Gastroscopy, Intermediate Complexity | 1764 | 1,464 | 3.9 | 3 |
| G47C Gastroscopy, Minor Complexity | 25,822 | 1,360 | 3.2 | |
| G48A Colonoscopy, Major Complexity | 1,905 | 1,448 | 9.4 | |
| G48B Colonoscopy, Minor Complexity | 37,219 | 1,254 | 4.2 | 3 |
| G60A Digestive Malignancy, Major Complexity | 218 | 742 | 13.1 | 8 |
| G60B Digestive Malignancy, Minor Complexity | 2,202 | 592 | 5.0 | : |
| G61A Gastrointestinal Haemorrhage, Major Complexity | 11 | 710 | 7.7 | ! |
| G61B Gastrointestinal Haemorrhage, Minor Complexity | 388 | 1,100 | 2.4 | : |
| G64A Inflammatory Bowel Disease, Major Complexity | 210 | 319 | 7.0 | ! |
| G64B Inflammatory Bowel Disease, Minor Complexity | 20,831 | 768 | 3.3 | |
| G65A Gastrointestinal Obstruction, Major Complexity | ~ | 440 | 9.7 | |
| G65B Gastrointestinal Obstruction, Minor Complexity | 13 | 1,083 | 3.8 | 3 |
| G66A Abdominal Pain and Mesenteric Adenitis, Major Complexity | 110 | 2,444 | 2.7 | : |
| G66B Abdominal Pain and Mesenteric Adenitis, Minor Complexity | 591 | 6,653 | 1.3 | : |
| G67A Oesophagitis and Gastroenteritis, Major Complexity | 53 | 2,824 | 6.3 | 4 |
| G67B Oesophagitis and Gastroenteritis, Minor Complexity | 638 | 4,367 | 1.9 | - |
| G70A Other Digestive System Disorders, Major Complexity | 870 | 6,148 | 5.8 | 3 |
| G70B Other Digestive System Disorders, Minor Complexity | 3,578 | 6,549 | 2.0 | : |
| Total | 109,747 | 57,457 | 5.0 | |

Denotes five or fewer discharges reported to HIPE.

Based on total in-patients (sameday and overnight in-patients). Excludes day patients.

TABLE 4.9 Total Discharges: MDC 7 Diseases and Disorders of the Hepatobiliary System and Pancreas: AR-DRG Version 8.0 by Patient Type (N, In-Patient Length of Stay)

| | Day Patients | In-Patients ^a | In-P | atient |
|--|--------------|--------------------------|--------|----------------------|
| MDC 7 Diseases and Disorders of the Hepatobiliary System and Pancreas | | | Length | of Stay ^a |
| | N | N | Mean | Median |
| H01A Pancreas, Liver and Shunt Procedures, Major Complexity | 0 | 21 | 37.5 | 28 |
| H01B Pancreas, Liver and Shunt Procedures, Intermediate Complexity | ~ | 303 | 12.8 | 8 |
| H01C Pancreas, Liver and Shunt Procedures, Minor Complexity | 12 | 105 | 5.1 | 3 |
| H02A Major Biliary Tract Procedures, Major Complexity | ~ | 114 | 23.6 | 20 |
| H02B Major Biliary Tract Procedures, Minor Complexity | 36 | 171 | 12.1 | 10 |
| H05A Hepatobiliary Diagnostic Procedures, Major Complexity | ~ | 58 | 14.4 | 11 |
| H05B Hepatobiliary Diagnostic Procedures, Minor Complexity | 58 | 33 | 4.6 | 4 |
| H06A Other Hepatobiliary and Pancreas OR Procedures, Major Complexity | 0 | 82 | 28.0 | 21 |
| H06B Other Hepatobiliary and Pancreas OR Procedures, Intermediate Complexity | 10 | 83 | 9.8 | 6 |
| H06C Other Hepatobiliary and Pancreas OR Procedures, Minor Complexity | 12 | 99 | 2.3 | 1 |
| H07A Open Cholecystectomy, Major Complexity | 0 | 22 | 22.8 | 17 |
| H07B Open Cholecystectomy, Intermediate Complexity | 0 | 13 | 10.2 | 8 |
| H07C Open Cholecystectomy, Minor Complexity | 23 | 89 | 6.0 | 5 |
| H08A Laparoscopic Cholecystectomy, Major Complexity | 17 | 264 | 10.6 | 7 |
| H08B Laparoscopic Cholecystectomy, Minor Complexity | 1,035 | 1,783 | 2.5 | 1 |
| H40A Endoscopic Procedures for Bleeding Oesophageal Varices, Major Complexity | 0 | 28 | 14.8 | 13 |
| H40B Endoscopic Procedures for Bleeding Oesophageal Varices, Intermediate Complexity | 0 | 27 | 9.0 | 6 |
| H40C Endoscopic Procedures for Bleeding Oesophageal Varices, Minor Complexity | 30 | 23 | 6.0 | 4 |
| H43A ERCP Procedures, Major Complexity | 8 | 219 | 17.8 | 14 |
| H43B ERCP Procedures, Intermediate Complexity | 226 | 398 | 9.3 | 8 |
| H43C ERCP Procedures, Minor Complexity | 1,742 | 677 | 5.7 | 5 |
| H60A Cirrhosis and Alcoholic Hepatitis, Major Complexity | 0 | 541 | 19.6 | 14 |
| H60B Cirrhosis and Alcoholic Hepatitis, Intermediate Complexity | 151 | 595 | 7.7 | 5 |
| H60C Cirrhosis and Alcoholic Hepatitis, Minor Complexity | 133 | 73 | 5.5 | 4 |
| H61A Malignancy of Hepatobiliary System and Pancreas, Major Complexity | 22 | 510 | 14.1 | 11 |
| H61B Malignancy of Hepatobiliary System and Pancreas, Minor Complexity | 799 | 762 | 6.1 | 4 |
| H62A Disorders of Pancreas, Except Malignancy, Major Complexity | 0 | 456 | 12.9 | 11 |
| H62B Disorders of Pancreas, Except Malignancy, Minor Complexity | 357 | 1,531 | 5.0 | 4 |
| H63A Other Disorders of Liver, Major Complexity | 12 | 593 | 11.2 | 7 |
| H63B Other Disorders of Liver, Intermediate Complexity | 394 | 693 | 4.6 | 3 |
| H63C Other Disorders of Liver, Minor Complexity | 1,390 | 477 | 2.2 | 1 |
| H64A Disorders of the Biliary Tract, Major Complexity | 86 | 2,218 | 8.6 | 6 |
| H64B Disorders of the Biliary Tract, Minor Complexity | 519 | 2,702 | 3.7 | 3 |
| Total | 7,081 | 15,763 | 7.4 | 4 |

[~] Denotes five or fewer discharges reported to HIPE.

a Based on total in-patients (sameday and overnight in-patients). Excludes day patients.

 TABLE 4.10
 Total Discharges: MDC 8 Diseases and Disorders of the Musculoskeletal System and Connective Tissue:
 AR-DRG Version 8.0 by Patient Type (N, In-Patient Length of Stay)

| | Day Patients | In-Patients ^a | | atient |
|--|--------------|--------------------------|--------------|----------------------|
| MDC 8 Diseases and Disorders of the Musculoskeletal System and Connective Tissue | | | | of Stay ^a |
| | N | N | Mean | Median |
| 101A Bilateral and Multiple Major Joint Procedures of Lower Limb, Major Complexity | 0 | 70 | 45.1 | 14 |
| 101B Bilateral and Multiple Major Joint Procedures of Lower Limb, Minor Complexity | 0 | 25 17 | 4.4 142.9 | 4 |
| 102A Microvascular Tissue Transfers or Skin Grafts, Excluding Hand, Major Complexity 102B Microvascular Tissue Transfers or Skin Grafts, Excluding Hand, Intermediate Comp | 8 | 52 | 15.3 | 75 14 |
| - · · · · · | 19 | 28 | 9.2 | 3 |
| 102C Microvascular Tissue Transfers or Skin Grafts, Excluding Hand, Minor Complexity | 0 | 388 | 23.9 | 16 |
| IO3A Hip Replacement, Major Complexity IO3B Hip Replacement, Minor Complexity | 32 | 3,925 | 7.3 | 5 |
| 104A Knee Replacement, Major Complexity | 0 | 112 | 12.1 | 7 |
| 1048 Knee Replacement, Minor Complexity | ~ | 1,653 | 4.0 | 4 |
| 105A Other Joint Replacement, Major Complexity | ~ | 28 | 9.3 | 5 |
| 105B Other Joint Replacement, Minor Complexity | ~ | 240 | 3.0 | 2 |
| 106Z Spinal Fusion for Deformity | 28 | 195 | 8.9 | 5 |
| 107Z Amputation | 0 | 92 | 38.2 | 16 |
| 108A Other Hip and Femur Procedures, Major Complexity | ~ | 641 | 27.5 | 18 |
| 108B Other Hip and Femur Procedures, Minor Complexity | 46 | 2,060 | 10.8 | 8 |
| 109A Spinal Fusion, Major Complexity | 0 | 41 | 25.8 | 12 |
| 109B Spinal Fusion, Intermediate Complexity | ~ | 136 | 8.2 | 6 |
| 109C Spinal Fusion, Minor Complexity | 6 | 313 | 4.4 | 3 |
| I10A Other Back and Neck Procedures, Major Complexity | ~ | 122 | 14.4 | 7 |
| I10B Other Back and Neck Procedures, Minor Complexity | 808 | 875 | 2.9 | 2 |
| I11Z Limb Lengthening Procedures | ~ | 42 | 4.3 | 4 |
| I12A Misc Musculoskeletal Procs for Infect/Inflam of Bone/Joint, Major Complexity | 0 | 103 | 38.5 | 28 |
| I12B Misc Musculoskeletal Procs for Infect/Inflam of Bone/Joint, Intermediate Comp | 9 | 220 | 16.6 | 13 |
| I12C Misc Musculoskeletal Procs for Infect/Inflam of Bone/Joint, Minor Complexity | 82 | 191 | 7.3 | 4 |
| I13A Humerus, Tibia, Fibula and Ankle Procedures, Major Complexity | ~ | 636 | 10.1 | 6 |
| I13B Humerus, Tibia, Fibula and Ankle Procedures, Minor Complexity | 310 | 3,312 | 2.7 | 2 |
| I15A Cranio-Facial Surgery, Major Complexity | 0 | 32 | 5.1 | 4 |
| I15B Cranio-Facial Surgery, Minor Complexity | 0 | 23 | 5.4 | 4 |
| I16Z Other Shoulder Procedures | 211 | 472 | 1.5 | 1 |
| I17A Maxillo-Facial Surgery, Major Complexity | ~ | 23 | 5.5 | 3 |
| I17B Maxillo-Facial Surgery, Minor Complexity | ~ | 34 | 3.1 | 2 |
| I18A Other Knee Procedures, Major Complexity | 41 | 267 | 4.2 | 2 |
| I18B Other Knee Procedures, Minor Complexity | 895 | 201 | 1.5 | 1 |
| I19A Other Elbow and Forearm Procedures, Major Complexity | ~ | 194 | 7.1 | 4 |
| I19B Other Elbow and Forearm Procedures, Minor Complexity | 529 | 2,667 | 1.6 | 1 |
| I20A Other Foot Procedures, Major Complexity | 9 | 139 | 5.3 | 2 |
| I20B Other Foot Procedures, Minor Complexity | 294 | 715 | 1.5 | 1 |
| 121Z Local Excision and Removal of Internal Fixation Devices of Hip and Femur | 46 | 37 | 4.3 | 2 |
| 123A Local Excision & Removal of Internal Fixation Device, Except Hip & Fmr, Maj Comp | 87 | 114 | 3.7 | 1 |
| 123B Local Excision & Removal of Internal Fixation Device, Except Hip & Fmr, Min Comp | 1,338 | 270 | 1.3 | 1 |
| I24A Arthroscopy, Major Complexity | 20 | 28 | 9.4 | 6 |
| 124B Arthroscopy, Minor Complexity | 222 | 51 | 1.7 | 1 |
| 125A Bone and Joint Diagnostic Procedures Including Biopsy, Major Complexity | 20 | 54 | 17.2 | 12 |
| 125B Bone and Joint Diagnostic Procedures Including Biopsy, Minor Complexity | 131 | 76 | 5.4 | 2 |
| 127A Soft Tissue Procedures, Major Complexity | 14 | 141 | 18.6 | 11 |
| 127B Soft Tissue Procedures, Minor Complexity | 496 | 567 | 2.8 | 1 |
| I28A Other Musculoskeletal Procedures, Major Complexity | ~ | 93 | 22.1 | 15 |
| 128B Other Musculoskeletal Procedures, Intermediate Complexity | 134 | 362 | 4.6 | 2 |
| 128C Other Musculoskeletal Procedures, Minor Complexity | 109 | 143 | 1.6 | 1 |
| 129Z Knee Reconstructions, and Revisions of Reconstructions | 56 | 264 | 1.6 | 1 |
| I30Z Hand Procedures | 1,680 | 1,536 | 1.2 | 1 |
| I31A Revision of Hip Replacement, Major Complexity | 0 | 48 | 35.8 | 23 |
| I31B Revision of Hip Replacement, Intermediate Complexity | 0 | 133 | 18.5 | 12 |
| I31C Revision of Hip Replacement, Minor Complexity | 0 | 242 | 8.1 | 6 |
| I32A Revision of Knee Replacement, Major Complexity | 0 | 34 | 28.2 | 21 |
| I32B Revision of Knee Replacement, Minor Complexity | 0 | 88 | 7.3 | 6 |
| I40Z Infusions for Musculoskeletal Disorders, Sameday | 27,835 | 88 | 0.5 | 1 |
| I60Z Femoral Shaft Fractures | 0 | 91 | 15.5 | 3 |
| I61A Distal Femoral Fractures, Major Complexity | 0 | 24 | 41.0 | 28 |
| I61B Distal Femoral Fractures, Minor Complexity | 0 | 82 | 15.2 | 10 |

TABLE 4.10 Total Discharges: MDC 8 Diseases and Disorders of the Musculoskeletal System and Connective Tissue: AR-DRG Version 8.0 by Patient Type (N, In-Patient Length of Stay) (contd.)

| MDC 8 Diseases and Disorders of the Musculoskeletal System and Connective | Day Patients | In-Patients ^a | | atient of Stay ^a |
|---|--------------|--------------------------|------|--------------------------------|
| Tissue | N | N | Mean | Median |
| 163A Sprains, Strains and Dislocations of Hip, Pelvis and Thigh, Major Complexity | 0 | 39 | 10.4 | 6 |
| 163B Sprains, Strains and Dislocations of Hip, Pelvis and Thigh, Minor Complexity | 0 | 113 | 3.9 | 2 |
| I64A Osteomyelitis, Major Complexity | 0 | 178 | 26.9 | 17 |
| I64B Osteomyelitis, Minor Complexity | 0 | 346 | 11.8 | 9 |
| 165A Musculoskeletal Malignant Neoplasms, Major Complexity | 0 | 192 | 19.5 | 13 |
| I65B Musculoskeletal Malignant Neoplasms, Minor Complexity | 0 | 663 | 6.6 | 4 |
| I66A Inflammatory Musculoskeletal Disorders, Major Complexity | 0 | 107 | 23.3 | 15 |
| 166B Inflammatory Musculoskeletal Disorders, Intermediate Complexity | 0 | 207 | 9.4 | 7 |
| 166C Inflammatory Musculoskeletal Disorders, Minor Complexity | 0 | 536 | 5.1 | 4 |
| 167A Septic Arthritis, Major Complexity | 0 | 55 | 25.3 | 15 |
| 167B Septic Arthritis, Minor Complexity | 0 | 61 | 10.1 | 7 |
| 168A Non-surgical Spinal Disorders, Major Complexity | 0 | 1,533 | 15.3 | 8 |
| 168B Non-surgical Spinal Disorders, Minor Complexity | 0 | 2,202 | 4.8 | 3 |
| 169A Bone Diseases and Arthropathies, Major Complexity | 0 | 359 | 12.4 | 8 |
| 169B Bone Diseases and Arthropathies, Minor Complexity | 0 | 765 | 7.9 | 4 |
| 171A Other Musculotendinous Disorders, Major Complexity | 0 | 500 | 11.9 | 6 |
| 171B Other Musculotendinous Disorders, Minor Complexity | 0 | 1,403 | 4.1 | 2 |
| 172A Specific Musculotendinous Disorders, Major Complexity | 0 | 225 | 15.4 | 9 |
| 172B Specific Musculotendinous Disorders, Minor Complexity | 0 | 498 | 4.2 | 3 |
| 173A Aftercare of Musculoskeletal Implants or Prostheses, Major Complexity | 0 | 127 | 23.3 | 17 |
| 173B Aftercare of Musculoskeletal Implants or Prostheses, Minor Complexity | 0 | 231 | 8.2 | 4 |
| 174A Injuries to Forearm, Wrist, Hand and Foot, Major Complexity | 0 | 385 | 11.5 | 7 |
| 174B Injuries to Forearm, Wrist, Hand and Foot, Minor Complexity | 0 | 930 | 2.2 | 1 |
| 175A Injuries to Shoulder, Arm, Elbow, Knee, Leg and Ankle, Major Complexity | 0 | 646 | 20.5 | 12 |
| 175B Injuries to Shoulder, Arm, Elbow, Knee, Leg and Ankle, Minor Complexity | 0 | 1,396 | 5.0 | 2 |
| 176A Other Musculoskeletal Disorders, Major Complexity | 0 | 124 | 21.5 | 14 |
| 176B Other Musculoskeletal Disorders, Intermediate Complexity | 0 | 294 | 10.5 | 5 |
| 176C Other Musculoskeletal Disorders, Minor Complexity | 0 | 393 | 4.9 | 2 |
| 177A Fractures of Pelvis, Major Complexity | 0 | 439 | 22.7 | 15 |
| 177B Fractures of Pelvis, Minor Complexity | 0 | 531 | 9.7 | 6 |
| 178A Fractures of Neck of Femur, Major Complexity | 0 | 279 | 34.2 | 24 |
| 178B Fractures of Neck of Femur, Minor Complexity | 0 | 681 | 17.1 | 12 |
| 179A Pathological Fractures, Major Complexity | 0 | 135 | 22.1 | 18 |
| 179B Pathological Fractures, Minor Complexity | 0 | 308 | 10.0 | 7 |
| 180Z Femoral Fractures, Transferred to Acute Facility <2 Days | 0 | 41 | 0.8 | 1 |
| 181Z Musculoskeletal Injuries, Sameday | 711 | 1,833 | 0.5 | 1 |
| 182Z Other Sameday Treatment for Musculoskeletal Disorders | 11,344 | 6,234 | 0.5 | 1 |
| Total | 47,596 | 49,839 | 6.8 | 2 |

Note: a Based on total in-patients (sameday and overnight in-patients). Excludes day patients.

TABLE 4.11 Total Discharges: MDC 9 Diseases and Disorders of the Skin, Subcutaneous Tissue and Breast: AR-DRG Version 8.0 by Patient Type (N, In-Patient Length of Stay)

| MDC 9 Diseases and Disorders of the Skin, Subcutaneous Tissue and Breast | Day Patients | In-Patients ^a | In-Pat Length o | |
|--|--------------|--------------------------|--------------------|--------|
| MIDE 3 Diseases and Disorders of the Skill, Subcutaneous Hissue and Dieast | N | N | Mean | Median |
| JO1A Microvas Tiss Transf for Skin, Subcut Tiss & Breast Dsrds, Major Complexity | 0 | ~ | ٨ | ٨ |
| JO1B Microvas Tiss Transf for Skin, Subcut Tiss & Breast Dsrds, Minor Complexity | ~ | 64 | 6.6 | 6 |
| J06A Major Procedures for Breast Disorders, Major Complexity | 19 | 172 | 4.4 | 3 |
| J06B Major Procedures for Breast Disorders, Minor Complexity | 743 | 1,252 | 2.0 | 1 |
| J07A Minor Procedures for Breast Disorders, Major Complexity | 640 | 137 | 1.9 | 1 |
| JO7B Minor Procedures for Breast Disorders, Minor Complexity | 923 | 93 | 0.7 | 1 |
| JOSA Other Skin Grafts and Debridement Procedures, Major Complexity | ~ | 87 | 24.8 | 13 |
| JOSB Other Skin Grafts and Debridement Procedures, Intermediate Complexity | 26 | 92 | 4.7 | 3 |
| J08C Other Skin Grafts and Debridement Procedures, Minor Complexity | 1,107 | 228 | 2.5 | 1 |
| J09Z Perianal and Pilonidal Procedures | 305 | 147 | 1.9 | 1 |
| J10A Plastic OR Procs for Skin, Subcutaneous Tissue and Breast Disorders, Major | 85 | 59 | 4.5 | 2 |
| Comp | | 55 | 5 | _ |
| J10B Plastic OR Procs for Skin, Subcutaneous Tissue and Breast Disorders, Minor | 843 | 103 | 1.6 | 1 |
| Comp | | | | |
| J11A Other Skin, Subcutaneous Tissue and Breast Procedures, Major Complexity | 1,103 | 350 | 7.9 | 3 |
| J11B Other Skin, Subcutaneous Tissue and Breast Procedures, Minor Complexity | 25,511 | 426 | 1.3 | 1 |
| J12A Lower Limb Procedures W Ulcer or Cellulitis, Major Complexity | 0 | 48 | 44.8 | 28 |
| J12B Lower Limb Procedures W Ulcer or Cellulitis, Minor Complexity | 40 | 71 | 10.5 | 9 |
| J13A Lower Limb Procedures W/O Ulcer or Cellulitis, Major Complexity | 10 | * | ٨ | ٨ |
| J13B Lower Limb Procedures W/O Ulcer or Cellulitis, Minor Complexity | 145 | 74 | 3.3 | 2 |
| J14Z Major Breast Reconstructions | 32 | 142 | 3.6 | 3 |
| J60A Skin Ulcers, Major Complexity | ~ | 195 | 26.4 | 13 |
| J60B Skin Ulcers, Intermediate Complexity | 8 | 251 | 13.3 | 6 |
| J60C Skin Ulcers, Minor Complexity | 566 | 166 | 4.3 | 2 |
| J62A Malignant Breast Disorders, Major Complexity | 43 | 164 | 15.7 | 11 |
| J62B Malignant Breast Disorders, Minor Complexity | 4,981 | 296 | 9.3 | 6 |
| J63A Non-Malignant Breast Disorders, Major Complexity | 189 | 201 | 3.5 | 2 |
| J63B Non-Malignant Breast Disorders, Minor Complexity | 3,197 | 54 | 1.3 | 1 |
| J64A Cellulitis, Major Complexity | 14 | 2,036 | 10.7 | 7 |
| J64B Cellulitis, Minor Complexity | 435 | 4,311 | 2.9 | 2 |
| J65A Trauma to Skin, Subcutaneous Tissue and Breast, Major Complexity | ~ | 552 | 15.1 | 8 |
| J65B Trauma to Skin, Subcutaneous Tissue and Breast, Minor Complexity | 54 | 1,134 | 2.0 | 1 |
| J67A Minor Skin Disorders, Major Complexity | 461 | 466 | 4.5 | 3 |
| J67B Minor Skin Disorders, Minor Complexity | 9,931 | 1,598 | 1.3 | 1 |
| J68A Major Skin Disorders, Major Complexity | 614 | 676 | 5.3 | 3 |
| J68B Major Skin Disorders, Minor Complexity | 1,008 | 284 | 2.1 | 1 |
| J69A Skin Malignancy, Major Complexity | 33 | 80 | 16.7 | 11 |
| J69B Skin Malignancy, Intermediate Complexity | 498 | 68 | 7.9 | 5 |
| J69C Skin Malignancy, Minor Complexity | 2,019 | 53 | 6.3 | 1 |
| J98Z UV Therapy ^b | 11,398 | 0 | - | - |
| Total | 66,989 | 16,174 | 5.3 | 2 |

- Denotes five or fewer discharges reported to HIPE.
- Further suppression required to prevent disclosure of five or fewer discharges.
- Denotes that length of stay is suppressed where the number of discharges is not reported.
- Mean and median length of stay cannot be calculated as no in-patients are reported.
- Based on total in-patients (sameday and overnight in-patients). Excludes day patients.
- The official classification for AR-DRG's (Version 8.0) has been slightly modified by the addition of two local DRG's specific to Ireland to account for some differences between Ireland and Australia in the provision of care. While this practice has been used for Activity Based Funding, this modification to the official classification has only been published in the HIPE Annual Report since 2018. In general UV therapy is not administered in the acute hospital setting in Australia whereas it is in a number of Irish hospitals. In order to differentiate this activity from other skin disorder treatments the local DRG J98Z (UV Therapy) has been created which isolates this activity so it can be costed and reimbursed appropriately.

TABLE 4.12 Total Discharges: MDC 10 Endocrine, Nutritional and Metabolic Diseases and Disorders: AR-DRG Version 8.0 by Patient Type (N, In-Patient Length of Stay)

| MDC 10 Endocrine, Nutritional and Metabolic Diseases and Disorders | Day Patients | In-Patients ^a | | atient of Stay ^a |
|--|--------------|--------------------------|------|--------------------------------|
| Wilder To Endocrine, Nutritional and Wetabolic Discuses and Disorders | N | N | Mean | Median |
| K01A OR Procedures for Diabetic Complications, Major Complexity | 0 | 58 | 62.1 | 53 |
| K01B OR Procedures for Diabetic Complications, Intermediate Complexity | 0 | 109 | 27.1 | 19 |
| K01C OR Procedures for Diabetic Complications, Minor Complexity | ~ | 167 | 11.9 | 9 |
| KO2A Pituitary Procedures, Major Complexity | 0 | 15 | 34.1 | 24 |
| KO2B Pituitary Procedures, Minor Complexity | ~ | 58 | 7.4 | 6 |
| K03Z Adrenal Procedures | 0 | 63 | 7.1 | 4 |
| K05A Parathyroid Procedures, Major Complexity | ~ | 36 | 9.8 | 5 |
| K05B Parathyroid Procedures, Minor Complexity | 20 | 138 | 1.8 | 1 |
| K06A Thyroid Procedures, Major Complexity | 0 | 56 | 6.5 | 5 |
| K06B Thyroid Procedures, Minor Complexity | 21 | 498 | 2.0 | 1 |
| K08Z Thyroglossal Procedures | ~ | 27 | 2.0 | 2 |
| K09A Other Endocrine, Nutritional and Metabolic OR Procedures, Major Complexity | ~ | 39 | 20.9 | 15 |
| K09B Other Endocrine, Nutritional and Metabolic OR Procedures, Minor Complexity | 23 | 75 | 10.5 | 9 |
| K10A Revisional and Open Bariatric Procedures, Major Complexity | 0 | 0 | - | - |
| K10B Revisional and Open Bariatric Procedures, Minor Complexity | 0 | * | ٨ | ^ |
| K11A Major Laparoscopic Bariatric Procedures, Major Complexity | 0 | 41 | 2.3 | 2 |
| K11B Major Laparoscopic Bariatric Procedures, Minor Complexity | 0 | 30 | 1.8 | 2 |
| K12A Other Bariatric Procedures, Major Complexity | 0 | 0 | - | - |
| K12B Other Bariatric Procedures, Minor Complexity | ~ | ~ | ٨ | ٨ |
| K13Z Plastic OR Procedures for Endocrine, Nutritional and Metabolic Disorders | 7 | 25 | 1.5 | 1 |
| K40A Endoscopic and Investigative Procedures for Metabolic Disorders, Major Comp | 25 | 295 | 17.9 | 11 |
| K40B Endoscopic and Investigative Procedures for Metabolic Disorders, Minor Comp | 851 | 135 | 5.8 | 4 |
| K60A Diabetes, Major Complexity | ~ | 952 | 12.2 | 6 |
| K60B Diabetes, Minor Complexity | 205 | 2,764 | 4.1 | 3 |
| K61A Severe Nutritional Disturbance, Major Complexity | 0 | 37 | 42.8 | 37 |
| K61B Severe Nutritional Disturbance, Minor Complexity | ~ | 24 | 22.6 | 8 |
| K62A Miscellaneous Metabolic Disorders, Major Complexity | 28 | 758 | 12.2 | 7 |
| K62B Miscellaneous Metabolic Disorders, Intermediate Complexity | 102 | 1,764 | 5.6 | 3 |
| K62C Miscellaneous Metabolic Disorders, Minor Complexity | 1,672 | 2,232 | 2.5 | 1 |
| K63A Inborn Errors of Metabolism, Major Complexity | 244 | 175 | 4.5 | 2 |
| K63B Inborn Errors of Metabolism, Minor Complexity | 205 | 29 | 1.7 | 1 |
| K64A Endocrine Disorders, Major Complexity | 641 | 839 | 7.2 | 4 |
| K64B Endocrine Disorders, Minor Complexity | 2,070 | 551 | 1.8 | 1 |
| Total | 6,133 | 11,998 | 6.5 | 3 |

- ~ Denotes five or fewer discharges reported to HIPE.
- * Further suppression required to prevent disclosure of five or fewer discharges.
- ^ Denotes that length of stay is suppressed where the number of discharges is not reported.
- Mean and median length of stay cannot be calculated as no in-patients are reported.
- a Based on total in-patients (sameday and overnight in-patients). Excludes day patients.

| MDC 11 Diseases and Disorders of the Kidney and Urinary Tract | Day Patients | In-Patients ^a | | atient of Staya |
|--|--------------|--------------------------|------|--------------------|
| | N | N | Mean | Median |
| LO2A Operative Insertion of Peritoneal Catheter for Dialysis, Major Complexity | 0 | 33 | 10.9 | 9 |
| LO2B Operative Insertion of Peritoneal Catheter for Dialysis, Minor Complexity | 44 | 53 | 3.4 | 2 |
| LO3A Kidney, Ureter and Major Bladder Procedures for Neoplasm, Major Complexity | 0 | 60 | 24.9 | 17 |
| LO3B Kidney, Ureter and Major Bladder Procedures for Neoplasm, Intermediate Comp | ~ | 205 | 10.0 | 8 |
| LO3C Kidney, Ureter and Major Bladder Procedures for Neoplasm, Minor Complexity | 9 | 344 | 5.8 | 5 |
| LO4A Kidney, Ureter and Major Bladder Procedures for Non-Neoplasm, Major Complexity | ~ | 198 | 24.7 | 16 |
| L04B Kidney, Ureter and Major Bladder Procedures for Non-Neoplasm, Intermediate Comp | 43 | 674 | 7.4 | 5 |
| L04C Kidney, Ureter and Major Bladder Procedures for Non-Neoplasm, Minor Complexity | 716 | 1,477 | 2.9 | 2 |
| LO5A Transurethral Prostatectomy for Urinary Disorder, Major Complexity | 0 | 23 | 13.6 | 14 |
| LO5B Transurethral Prostatectomy for Urinary Disorder, Minor Complexity | 0 | 78 | 5.8 | 3 |
| L06A Minor Bladder Procedures, Major Complexity | 0 | 59 | 22.9 | 14 |
| LO6B Minor Bladder Procedures, Intermediate Complexity | ~ | 83 | 8.8 | 7 |
| LO6C Minor Bladder Procedures, Minor Complexity | 102 | 123 | 4.6 | 3 |
| LO7A Other Transurethral Procedures, Major Complexity | 12 | 248 | 12.3 | 8 |
| LO7B Other Transurethral Procedures, Minor Complexity | 505 | 915 | 3.0 | 2 |
| LO8A Urethral Procedures, Major Complexity | ~ | * | ^ | ٨ |
| LO8B Urethral Procedures, Minor Complexity | 48 | 69 | 2.2 | 2 |
| LO9A Other Procedures for Kidney and Urinary Tract Disorders, Major Complexity | 0 | 40 | 51.2 | 27 |
| LO9B Other Procedures for Kidney and Urinary Tract Disorders, Intermediate Complexity | 6 | 53 | 11.6 | 8 |
| LO9C Other Procedures for Kidney and Urinary Tract Disorders, Minor Complexity | 222 | 113 | 2.5 | 1 |
| L40Z Ureteroscopy | 40 | 79 | 3.0 | 2 |
| L41Z Cystourethroscopy for Urinary Disorder, Sameday | 8,780 | 66 | 0.5 | 1 |
| L42Z ESW Lithotripsy | 1,050 | 78 | 3.0 | 2 |
| L60A Kidney Failure, Major Complexity | ~ | 575 | 21.0 | 15 |
| L60B Kidney Failure, Intermediate Complexity | 70 | 1,772 | 7.5 | 5 |
| L60C Kidney Failure, Minor Complexity | 551 | 447 | 3.6 | 2 |
| L61Z Haemodialysis | 179,667 | 51 | 1.0 | 1 |
| L62A Kidney and Urinary Tract Neoplasms, Major Complexity | 19 | 200 | 12.6 | 9 |
| L62B Kidney and Urinary Tract Neoplasms, Minor Complexity | 862 | 295 | 4.5 | 2 |
| L63A Kidney and Urinary Tract Infections, Major Complexity | 34 | 6,578 | 11.9 | 7 |
| L63B Kidney and Urinary Tract Infections, Minor Complexity | 1000 | 6,958 | 4.3 | 3 |
| L64A Urinary Stones and Obstruction, Major Complexity | 63 | 870 | 4.4 | 3 |
| L64B Urinary Stones and Obstruction, Minor Complexity | 158 | 1,863 | 1.8 | 1 |
| L65A Kidney and Urinary Tract Signs and Symptoms, Major Complexity | 23 | 693 | 9.8 | 6 |
| L65B Kidney and Urinary Tract Signs and Symptoms, Minor Complexity | 1,353 | 1,735 | 2.9 | 2 |
| L66Z Urethral Stricture | 154 | 70 | 2.7 | 1 |
| L67A Other Kidney and Urinary Tract Disorders, Major Complexity | 320 | 986 | 8.5 | 5 |
| L678 Other Kidney and Urinary Tract Disorders, Intermediate Complexity | 1,600 | 935 | 3.0 | 2 |
| L67C Other Kidney and Urinary Tract Disorders, Minor Complexity | 3,164 | 138 | 1.8 | 1 |
| L68Z Peritoneal Dialysis | 200.020 | | 6.9 | 4 |
| Total | 200,630 | 29,258 | 6.9 | 4 |

- ~ Denotes five or fewer discharges reported to HIPE.
- * Further suppression required to prevent disclosure of five or fewer discharges.
- ^ Denotes that length of stay is suppressed where the number of discharges is not reported.
- a Based on total in-patients (sameday and overnight in-patients). Excludes day patients.

TABLE 4.14 Total Discharges: MDC 12 Diseases and Disorders of the Male Reproductive System: AR-DRG Version 8.0 by Patient Type (N, In-Patient Length of Stay)

| | Day Patients | In-Patients ^a | In-P | atient |
|---|--------------|--------------------------|--------|----------------------|
| MDC 12 Diseases and Disorders of the Male Reproductive System | | | Length | of Stay ^a |
| | N | N | Mean | Median |
| M01A Major Male Pelvic Procedures, Major Complexity | 0 | 47 | 8.1 | 6 |
| M01B Major Male Pelvic Procedures, Minor Complexity | ~ | 435 | 2.9 | 3 |
| M02A Transurethral Prostatectomy for Reproductive System Disorder, Major Complexity | 0 | 37 | 12.6 | 6 |
| M02B Transurethral Prostatectomy for Reproductive System Disorder, Minor Complexity | ~ | 281 | 3.8 | 3 |
| M03A Penis Procedures, Major Complexity | 15 | 40 | 5.2 | 4 |
| M03B Penis Procedures, Minor Complexity | 295 | 71 | 2.2 | 1 |
| M04Z Testes Procedures | 910 | 716 | 1.7 | 1 |
| M05Z Circumcision | 1,180 | 124 | 2.1 | 1 |
| M06A Other Male Reproductive System OR Procedures, Major Complexity | 42 | 49 | 13.4 | 9 |
| M06B Other Male Reproductive System OR Procedures, Minor Complexity | 58 | 40 | 3.8 | 2 |
| M40Z Cystourethroscopy for Male Reproductive System Disorder, Sameday | 1,079 | ~ | ۸ | ٨ |
| M60A Male Reproductive System Malignancy, Major Complexity | 334 | 349 | 9.8 | 5 |
| M60B Male Reproductive System Malignancy, Minor Complexity | 3,527 | 156 | 13.9 | 5 |
| M61A Benign Prostatic Hypertrophy, Major Complexity | 10 | 34 | 5.3 | 5 |
| M61B Benign Prostatic Hypertrophy, Minor Complexity | 797 | 53 | 2.9 | 1 |
| M62A Male Reproductive System Inflammation, Major Complexity | ~ | 230 | 7.9 | 5 |
| M62B Male Reproductive System Inflammation, Minor Complexity | 198 | 880 | 2.3 | 1 |
| M63Z Male Sterilisation Procedures | 101 | ~ | ٨ | ٨ |
| M64A Other Male Reproductive System Disorders, Major Complexity | 20 | 99 | 3.8 | 1 |
| M64B Other Male Reproductive System Disorders, Minor Complexity | 783 | 819 | 0.9 | 1 |
| Total | 9,354 | 4,468 | 3.7 | 2 |

- $^{\sim}$ $\,$ Denotes five or fewer discharges reported to HIPE.
- ^ Denotes that length of stay is suppressed where the number of discharges is not reported.
- a Based on total in-patients (sameday and overnight in-patients). Excludes day patients.

 TABLE 4.15
 Total Discharges: MDC 13 Diseases and Disorders of the Female Reproductive System: AR-DRG Version
 8.0 by Patient Type (N, In-Patient Length of Stay)

| MDC 13 Diseases and Disorders of the Female Reproductive System | Day Patients | In-Patients ^a | 4 | atient of Stay ^a |
|--|--------------|--------------------------|------|--------------------------------|
| INDC 13 Diseases and Disorders of the Female Reproductive System | N | N | Mean | Median |
| NO1A Pelvic Evisceration and Radical Vulvectomy, Major Complexity | 0 | 36 | 18.8 | 15 |
| NO1B Pelvic Evisceration and Radical Vulvectomy, Minor Complexity | 0 | 52 | 8.7 | 7 |
| NO4A Hysterectomy for Non-Malignancy, Major Complexity | 0 | 140 | 7.3 | 6 |
| NO4B Hysterectomy for Non-Malignancy, Minor Complexity | ~ | 1,102 | 3.7 | 3 |
| N05A Oophorectomy and Complex Fallopian Tube Procedures for Non-Malignancy, Maj Comp | ~ | 51 | 7.0 | 6 |
| NO5B Oophorectomy and Complex Fallopian Tube Procedures for Non-Malignancy, Min Comp | 149 | 458 | 2.7 | 2 |
| NO6A Female Reproductive System Reconstructive Procedures, Major Complexity | ~ | 32 | 5.6 | 4 |
| NO6B Female Reproductive System Reconstructive Procedures, Minor Complexity | 127 | 483 | 2.7 | 3 |
| NO7A Other Uterus and Adnexa Procedures for Non-Malignancy, Major Complexity | 996 | 885 | 2.7 | 2 |
| NO7B Other Uterus and Adnexa Procedures for Non-Malignancy, Minor Complexity | 1,832 | 174 | 1.3 | 1 |
| NO8Z Endoscopic and Laparoscopic Procedures, Female Reproductive System | 537 | 255 | 2.4 | 1 |
| N09Z Other Vagina, Cervix and Vulva Procedures | 1,561 | 557 | 4.3 | 2 |
| N10Z Diagnostic Curettage and Diagnostic Hysteroscopy | 7,247 | 509 | 2.1 | 1 |
| N11A Other Female Reproductive System OR Procedures, Major Complexity | 15 | 93 | 13.5 | 8 |
| N11B Other Female Reproductive System OR Procedures, Minor Complexity | 8 | ~ | ٨ | ٨ |
| N12A Uterus and Adnexa Procedures for Malignancy, Major Complexity | 0 | * | ^ | ^ |
| N12B Uterus and Adnexa Procedures for Malignancy, Intermediate Complexity | ~ | 142 | 8.1 | 7 |
| N12C Uterus and Adnexa Procedures for Malignancy, Minor Complexity | 41 | 319 | 4.0 | 4 |
| N60A Female Reproductive System Malignancy, Major Complexity | ~ | 205 | 18.5 | 14 |
| N60B Female Reproductive System Malignancy, Minor Complexity | 871 | 373 | 7.2 | 4 |
| N61A Female Reproductive System Infections, Major Complexity | 30 | 87 | 5.7 | 4 |
| N61B Female Reproductive System Infections, Minor Complexity | 38 | 276 | 2.4 | 2 |
| N62A Menstrual and Other Female Reproductive System Disorders, Major Complexity | 51 | 507 | 3.4 | 2 |
| N62B Menstrual and Other Female Reproductive System Disorders, Minor Complexity | 2,633 | 1,918 | 1.5 | 1 |
| Total | 16,151 | 8,686 | 3.7 | 2 |

- Denotes five or fewer discharges reported to HIPE.
- Further suppression required to prevent disclosure of five or fewer discharges.
- Denotes that length of stay is suppressed where the number of discharges is not reported.
- Based on total in-patients (sameday and overnight in-patients). Excludes day patients.

TABLE 4.16 Total Discharges: MDC 14 Pregnancy, Childbirth and the Puerperium: AR-DRG Version 8.0 by Patient Type (N, In-Patient Length of Stay)

| MDC 14 Pregnancy, Childbirth and the Puerperium | Day Patients | In-Patients ^a | | atient of Stay ^a |
|--|--------------|--------------------------|------|--------------------------------|
| | N | N | Mean | Median |
| O01A Caesarean Delivery, Major Complexity | 0 | 1,503 | 9.5 | 6 |
| O01B Caesarean Delivery, Intermediate Complexity | 0 | 7,309 | 5.0 | 4 |
| O01C Caesarean Delivery, Minor Complexity | 0 | 10,776 | 3.6 | 3 |
| O02A Vaginal Delivery W OR Procedures, Major Complexity | 0 | 169 | 5.3 | 4 |
| O02B Vaginal Delivery W OR Procedures, Minor Complexity | 0 | 627 | 3.1 | 3 |
| O03A Ectopic Pregnancy, Major Complexity | ~ | 131 | 2.7 | 2 |
| O03B Ectopic Pregnancy, Minor Complexity | 37 | 522 | 2.4 | 1 |
| O04A Postpartum and Post Abortion W OR Procedures, Major Complexity ^b | 0 | 59 | 5.0 | 4 |
| O04B Postpartum and Post Abortion W OR Procedures, Minor Complexity ^b | 17 | 143 | 2.1 | 2 |
| O05Z Abortion W OR Procedures ^b | 1,330 | 2,393 | 1.0 | 1 |
| O60A Vaginal Delivery, Major Complexity | 0 | 4,065 | 4.2 | 3 |
| O60B Vaginal Delivery, Intermediate Complexity | 0 | 16,465 | 2.7 | 3 |
| O60C Vaginal Delivery, Minor Complexity | 0 | 14,385 | 2.0 | 2 |
| O61A Postpartum and Post Abortion W/O OR Procedures, Major Complexity ^b | 153 | 620 | 3.5 | 3 |
| O61B Postpartum and Post Abortion W/O OR Procedures, Minor Complexity ^b | 1,723 | 2,233 | 1.7 | 1 |
| O63A Abortion W/O OR Procedures, Major Complexity ^b | * | 240 | 1.7 | 1 |
| O63B Abortion W/O OR Procedures, Minor Complexity ^b | 467 | 2,163 | 1.1 | 1 |
| O66A Antenatal and Other Obstetric Admissions, Major Complexity | 1,419 | 9,055 | 1.8 | 1 |
| O66B Antenatal and Other Obstetric Admissions, Minor Complexity | 8,340 | 24,071 | 1.0 | 1 |
| Total | 13,497 | 96,929 | 2.4 | 2 |

- ~ Denotes five or fewer discharges reported to HIPE.
- * Further suppression required to prevent disclosure of five or fewer discharges.
- a Based on total in-patients (sameday and overnight in-patients). Excludes day patients.
- b This includes spontaneous abortions and pregnancies with abortive outcome.

TABLE 4.17 Total Discharges: MDC 15 Newborns and Other Neonates: AR-DRG Version 8.0 by Patient Type (N, In-Patient Length of Stay)

| | Day | ln- | In-Pa | atient |
|---|----------|-----------------------|--------------|----------------------|
| MDC 15 Newborns and Other Neonates | Patients | Patients ^a | | of Stay ^a |
| | N | N | Mean | Median |
| P01Z Neonate W Sig OR Proc/Vent>=96hrs, Died or Transfer to Acute Facility <5Days | 0 | 40 | 2.1 | 2 |
| P02Z Cardiothoracic and Vascular Procedures for Neonates | 0 | 51 | 26.3 | 15 |
| P03A Neonate, AdmWt 1000-1499g W Significant OR Proc/Vent>=96hrs, Major Complexity | 0 | 54 | 60.7 | 63 |
| P03B Neonate, AdmWt 1000-1499g W Significant OR Proc/Vent>=96hrs, Minor Complexity | 0 | 131 | 34.4 | 35 |
| P04A Neonate, AdmWt 1500-1999g W Significant OR Proc/Vent>=96hrs, Major Complexity | 0 | 20 | 78.7 | 49 |
| P04B Neonate, AdmWt 1500-1999g W Significant OR Proc/Vent>=96hrs, Minor Complexity | 0 | 102 | 30.6 | 30 |
| P05A Neonate, AdmWt 2000-2499g W Significant OR Proc/Vent>=96hrs, Major Complexity | 0 | 17 | 87.5 | 54 |
| P05B Neonate, AdmWt 2000-2499g W Significant OR Proc/Vent>=96hrs, Minor Complexity | 0 | 77 | 20.5 | 18 |
| P06A Neonate, AdmWt >=2500g W Significant OR Proc/Vent>=96hrs, Major Complexity | 0 | 112 | 42.7 | 25 |
| P06B Neonate, AdmWt >=2500g W Significant OR Proc/Vent>=96hrs, Minor Complexity | ~ | 237 | 13.2 | 10 |
| P07Z Neonate, AdmWt <750g W Significant OR Procedures | 0 | ~ | ۸ ۸ | ٨ |
| P08Z Neonate, AdmWt 750-999g W Significant OR Procedures | 0 | ~ | ۸ | ٨ |
| P60A Neonate W/O Sig OR/Vent>=96hrs, Died/Transfer Acute Facility <5 Days, MajC | ~ | 94 | 2.1 | 2 |
| P60B Neonate W/O Sig OR/Vent>=96hrs, Died/Transfer Acute Facility <5 Days, MinC | 14 | 529 | 1.1 | 1 |
| P61Z Neonate, AdmWt <750g W/O Significant OR procedure | 0 | 66 | 60.5 | 52 |
| P62A Neonate, AdmWt 750-999g W/O Significant OR Procedures, Major Complexity | 0 | 36 | 81.4 | 81 |
| P62B Neonate, AdmWt 750-999g W/O Significant OR Procedures, Minor Complexity | 0 | 60 | 49.6 | 50 |
| P63A Neonate, AdmWt 1000-1249g W/O Significant OR Proc/Vent>=96hrs, Major Complexity | 0 | 15 | 42.9 | 45 |
| P63B Neonate, AdmWt 1000-1249g W/O Significant OR Proc/Vent>=96hrs, Minor Complexity | ~ | 28 | 30.4 | 32 |
| P64A Neonate, AdmWt 1250-1499g W/O Significant OR Proc/Vent>=96hrs, Major Complexity | 0 | 23 | 32.5 | 32 |
| P64B Neonate, AdmWt 1250-1499g W/O Significant OR Proc/Vent>=96hrs, Minor Complexity | 0 | 74 | 25.5 | 27 |
| P65A Neonate, AdmWt 1500-1999g W/O Significant OR Proc/Vent>=96hrs, Minor Complexity | 0 | 42 | 28.9 | 30 |
| | 0 | 92 | | 25 |
| P65B Neonate, AdmWt 1500-1999g W/O Significant OR Proc/Vent>=96hrs, Major Complexity | 0 | 294 | 24.9 | _ |
| P65C Neonate, AdmWt 1500-1999g W/O Significant OR Proc/Vent>=96hrs, Intermediate Comp | ~ | | 19.1 | 18 |
| P65D Neonate, AdmWt 1500-1999g W/O Significant OR Proc/Vent>=96hrs, Minor Complexity | 0 | 186 98 | 12.3 20.3 | 12 19 |
| P66A Neonate, AdmWt 2000-2499g W/O Significant OR Proc/Vent>=96hrs, Extreme Comp | | | | |
| P66B Neonate, AdmWt 2000-2499g W/O Significant OR Proc/Vent>=96hrs, Major Complexity | 0 ~ | 280 639 | 13.5 8.5 | 13 7 |
| P66C Neonate, AdmWt 2000-2499g W/O Significant OR Proc/Vent>=96hrs, Intermediate Comp | | | | |
| P66D Neonate, AdmWt 2000-2499g W/O Significant OR Proc/Vent>=96hrs, Minor Complexity | 13 | 433 | 3.8 | 2 |
| P67A Neonate, AdmWt >=2500g W/O Sig OR Proc/Vent>=96hrs, <37 Comp Wks Gest, Extr Comp | 0 | 93 | 16.3 | 12 |
| P67B Neonate, AdmWt >=2500g W/O Sig OR Proc/Vent>=96hrs, <37 Comp Wks Gest, Maj | ~ | 174 | 9.9 | 9 |
| Comp P67C Neonate, AdmWt >=2500g W/O Sig OR Proc/Vent>=96hrs, <37 Comp Wks Gest, Int Comp | 0 | 205 | 6.6 | - |
| , | 7 | | | 5 |
| P67D Neonate, AdmWt >=2500g W/O Sig OR Proc/Vent>=96hrs, <37 Comp Wks Gest, Min Comp | , | 351 | 4.2 | 3 |
| P68A Neonate, AdmWt >=2500g W/O Sig OR Proc/Vent>=96hrs, >=37 Comp Wks Gest, Ext Comp | ~ | 494 | 10.9 | 7 |
| P68B Neonate, AdmWt >=2500g W/O Sig OR Proc/Vent>=96hrs, >=37 Comp Wks Gest, Maj | 27 | 911 | 5.0 | 3 |
| Comp P68C Neonate, AdmWt >=2500g W/O Sig OR Proc/Vent>=96hrs, >=37 Comp Wks Gest, Int | 59 | 1,350 | 3.4 | 3 |
| Comp | | 1,330 | | |
| P68D Neonate, AdmWt >=2500g W/O Sig OR Proc/Vent>=96hrs, >=37 Comp Wks Gest, Min Comp | 200 | 5,118 | 2.0 | 2 |
| Total | 337 | 12,532 | 7.6 | 3 |
| | | | 710 | |

- Denotes five or fewer discharges reported to HIPE.
- Denotes that length of stay is suppressed where the number of discharges is not reported.
- a Based on total in-patients (sameday and overnight in-patients). Excludes day patients.

TABLE 4.18 Total Discharges: MDC 16 Diseases and Disorders of Blood, Blood Forming Organs, Immunological Disorders: AR-DRG Version 8.0 by Patient Type (N, In-Patient Length of Stay)

| MDC 16 Diseases and Disorders of Blood, Blood Forming Organs, Immunological Disorders | Day Patients | In-Patients ^a | | atient of Stay ^a |
|---|--------------|--------------------------|------|--------------------------------|
| Disorders | N | N | Mean | Median |
| Q01A Splenectomy, Major Complexity | 0 | 7 | 22.9 | 20 |
| Q01B Splenectomy, Minor Complexity | 0 | 19 | 7.0 | 4 |
| Q02A Blood and Immune System Disorders W Other OR Procedures, Major Complexity | ~ | 61 | 16.8 | 11 |
| Q02B Blood and Immune System Disorders W Other OR Procedures, Minor Complexity | 307 | 139 | 5.2 | 3 |
| Q60A Reticuloendothelial and Immunity Disorders, Major Complexity | 331 | 855 | 7.3 | 5 |
| Q60B Reticuloendothelial and Immunity Disorders, Minor Complexity | 3,629 | 381 | 2.3 | 1 |
| Q61A Red Blood Cell Disorders, Major Complexity | 795 | 2,234 | 7.6 | 5 |
| Q61B Red Blood Cell Disorders, Intermediate Complexity | 12,800 | 2,970 | 2.3 | 1 |
| Q61C Red Blood Cell Disorders, Minor Complexity | 15,502 | 24 | 0.8 | 1 |
| Q62A Coagulation Disorders, Major Complexity | * | 300 | 7.8 | 4 |
| Q62B Coagulation Disorders, Minor Complexity | 3,265 | 535 | 2.0 | 1 |
| Total | 36,724 | 7,525 | 4.8 | 2 |

- Denotes five or fewer discharges reported to HIPE.
- * Further suppression required to prevent disclosure of five or fewer discharges.
- a Based on total in-patients (sameday and overnight in-patients). Excludes day patients.

TABLE 4.19 Total Discharges: MDC 17 Neoplastic Disorders (Haematological and Solid Neoplasms): AR-DRG Version 8.0 by Patient Type (N, In-Patient Length of Stay)

| MDC 17 Neoplastic Disorders (Haematological and Solid Neoplasms) | Day Patients | In-Patients ^a | | atient of Stay ^a |
|--|--------------|--------------------------|------|--------------------------------|
| , | N | N | Mean | Median |
| R01A Lymphoma and Leukaemia W Major OR Procedures, Major Complexity | 0 | 49 | 33.2 | 17 |
| R01B Lymphoma and Leukaemia W Major OR Procedures, Minor Complexity | 21 | 52 | 6.7 | 6 |
| R02A Other Neoplastic Disorders W Major OR Procedures, Major Complexity | 0 | 23 | 14.2 | 11 |
| R02B Other Neoplastic Disorders W Major OR Procedures, Intermediate Complexity | 6 | 48 | 7.6 | 7 |
| R02C Other Neoplastic Disorders W Major OR Procedures, Minor Complexity | 25 | 111 | 3.9 | 2 |
| R03A Lymphoma and Leukaemia W Other OR Procedures, Major Complexity | ~ | 62 | 48.8 | 36 |
| R03B Lymphoma and Leukaemia W Other OR Procedures, Intermediate Complexity | * | 113 | 16.7 | 15 |
| R03C Lymphoma and Leukaemia W Other OR Procedures, Minor Complexity | 166 | 169 | 5.5 | 3 |
| RO4A Other Neoplastic Disorders W Other OR Procedures, Major Complexity | 29 | 57 | 14.0 | 9 |
| RO4B Other Neoplastic Disorders W Other OR Procedures, Minor Complexity | 804 | 96 | 5.8 | 3 |
| R60A Acute Leukaemia, Major Complexity | 58 | 442 | 27.6 | 21 |
| R60B Acute Leukaemia, Minor Complexity | 2,690 | 384 | 5.2 | 3 |
| R61A Lymphoma and Non-Acute Leukaemia, Major Complexity | 497 | 1,309 | 14.7 | 8 |
| R61B Lymphoma and Non-Acute Leukaemia, Minor Complexity | 9,758 | 1,671 | 4.5 | 3 |
| R62A Other Neoplastic Disorders, Major Complexity | 681 | 170 | 14.1 | 8 |
| R62B Other Neoplastic Disorders, Intermediate Complexity | 5,313 | 123 | 6.4 | 4 |
| R62C Other Neoplastic Disorders, Minor Complexity | 93,868 | 24 | 7.6 | 4 |
| R63Z Chemotherapy | 108,796 | 0 | - | - |
| R99Z Oncology Repeat Attendance ^b | 17,276 | 0 | - | - |
| Total | 239,995 | 4,903 | 11.1 | 5 |

Notes:

- Denotes five or fewer discharges reported to HIPE.
- * Further suppression required to prevent disclosure of five or fewer discharges.
- Mean and median length of stay cannot be calculated as no in-patients are reported.
- Based on total in-patients (sameday and overnight in-patients). Excludes day patients.
- b The official classification for AR-DRG's (V8.0) has been slightly modified by the addition of two local DRG's specific to Ireland to account for some differences in the provision of care. While this practice has been used for Activity Based Funding, this modification to the official classification has only been published in the HIPE Annual Report since 2018.

There are many attendances at oncology day wards where patients undergo only very minor procedures (e.g. taking of bloods) which are generally of lower complexity than administration of chemotherapy or other oncology procedures. The local DRG R99Z (*Oncology Repeat Attendance*) is used to identify these cases and to ensure that they are costed and reimbursed appropriately.

TABLE 4.20 Total Discharges: MDC 18 Infectious and Parasitic Diseases, Systemic or Unspecified Sites: AR-DRG Version 8.0 by Patient Type (N, In-Patient Length of Stay)

| MDC 18 Infectious and Parasitic Diseases, Systemic or Unspecified Sites | Day Patients | In-Patients ^a | | Patient n of Stay ^a |
|---|--------------|--------------------------|------|-----------------------------------|
| | N | N | Mean | Median |
| S65A Human Immunodeficiency Virus, Major Complexity | 0 | 42 | 30.8 | 19 |
| S65B Human Immunodeficiency Virus, Intermediate Complexity | ~ | 76 | 10.1 | 6 |
| S65C Human Immunodeficiency Virus, Minor Complexity | 18 | 22 | 4.8 | 6 |
| TO1A Infectious and Parasitic Diseases W OR Procedures, Major Complexity | 0 | 106 | 43.7 | 28 |
| TO1B Infectious and Parasitic Diseases W OR Procedures, Intermediate Complexity | ~ | 161 | 18.1 | 15 |
| TO1C Infectious and Parasitic Diseases W OR Procedures, Minor Complexity | 13 | 206 | 10.1 | 7 |
| T40Z Infectious and Parasitic Diseases W Ventilator Support | 0 | 28 | 22.4 | 12 |
| T60A Septicaemia, Major Complexity | 0 | 359 | 26.6 | 17 |
| T60B Septicaemia, Intermediate Complexity | ~ | 1,129 | 12.1 | 9 |
| T60C Septicaemia, Minor Complexity | 18 | 1,134 | 8.1 | 6 |
| T61A Postoperative and Post-Traumatic Infections, Major Complexity | 6 | 281 | 9.7 | 6 |
| T61B Postoperative and Post-Traumatic Infections, Minor Complexity | 131 | 682 | 4.7 | 3 |
| T62A Fever of Unknown Origin, Major Complexity | 0 | 547 | 7.7 | 5 |
| T62B Fever of Unknown Origin, Minor Complexity | 30 | 1,309 | 2.6 | 1 |
| T63A Viral Illnesses, Major Complexity | 250 | 323 | 6.4 | 3 |
| T63B Viral Illnesses, Minor Complexity | 137 | 1,956 | 1.7 | 1 |
| T64A Other Infectious and Parasitic Diseases, Major Complexity | 0 | 54 | 32.1 | 21 |
| T64B Other Infectious and Parasitic Diseases, Intermediate Complexity | 7 | 136 | 11.9 | 7 |
| T64C Other Infectious and Parasitic Diseases, Minor Complexity | 723 | 194 | 5.6 | 3 |
| Total | 1,340 | 8,745 | 7.8 | 4 |

Notes: ~

Denotes five or fewer discharges reported to HIPE.

a Based on total in-patients (sameday and overnight in-patients). Excludes day patients.

TABLE 4.21 Total Discharges: MDC 19 Mental Diseases and Disorders: AR-DRG Version 8.0 by Patient Type (N, In-Patient Length of Stay)

| MDC 19 Mental Diseases and Disorders | Day Patients | In-Patients ^a | | n-Patient gth of Stay ^a | |
|--|--------------|--------------------------|------|---------------------------------------|--|
| | N | N | Mean | Median | |
| U40Z Mental Health Treatment W ECT, Sameday | 23 | 0 | - | - | |
| U60A Mental Health Treatment W/O ECT, Sameday, Major Complexity | 370 | 333 | 0.5 | 1 | |
| U60B Mental Health Treatment W/O ECT, Sameday, Minor Complexity | 182 | 540 | 0.5 | 1 | |
| U61A Schizophrenia Disorders, Major Complexity | 0 | 48 | 53.5 | 29 | |
| U61B Schizophrenia Disorders, Minor Complexity | 0 | 91 | 25.4 | 15 | |
| U62A Paranoia and Acute Psychotic Disorders, Major Complexity | 0 | 48 | 24.0 | 15 | |
| U62B Paranoia and Acute Psychotic Disorders, Minor Complexity | 0 | 139 | 10.8 | 5 | |
| U63A Major Affective Disorders, Major Complexity | 0 | 60 | 47.5 | 25 | |
| U63B Major Affective Disorders, Minor Complexity | 0 | 149 | 15.2 | 9 | |
| U64A Other Affective and Somatoform Disorders, Major Complexity | 0 | 62 | 17.0 | 8 | |
| U64B Other Affective and Somatoform Disorders, Minor Complexity | 0 | 126 | 9.0 | 3 | |
| U65A Anxiety Disorders, Major Complexity | 0 | 190 | 10.5 | 6 | |
| U65B Anxiety Disorders, Minor Complexity | 0 | 391 | 3.8 | 2 | |
| U66A Eating and Obsessive-Compulsive Disorders, Major Complexity | 0 | 67 | 31.4 | 21 | |
| U66B Eating and Obsessive-Compulsive Disorders, Minor Complexity | 0 | 214 | 15.7 | 7 | |
| U67A Personality Disorders and Acute Reactions, Major Complexity | 0 | 81 | 27.5 | 11 | |
| U67B Personality Disorders and Acute Reactions, Minor Complexity | 0 | 186 | 5.9 | 3 | |
| U68A Childhood Mental Disorders, Major Complexity | 0 | 47 | 9.1 | 3 | |
| U68B Childhood Mental Disorders, Minor Complexity | 0 | 37 | 4.5 | 2 | |
| Total | 575 | 2,809 | 10.0 | 2 | |

- Mean and median length of stay cannot be calculated as no in-patients are reported.
- a Based on total in-patients (sameday and overnight in-patients). Excludes day patients.

TABLE 4.22 Total Discharges: MDC 20 Alcohol/Drug Use and Alcohol/Drug Induced Organic Mental Disorders: AR-DRG Version 8.0 by Patient Type (N, In-Patient Length of Stay)

| MDC 20 Alcohol/Drug Use and Alcohol/Drug Induced Organic Mental Disorders | Day Patients | ay Patients In-Patients ^a | | atient of Stay ^a |
|---|--------------|--------------------------------------|------|--------------------------------|
| | N | N | Mean | Median |
| V60A Alcohol Intoxication and Withdrawal, Major Complexity | 0 | 588 | 9.2 | 5 |
| V60B Alcohol Intoxication and Withdrawal, Minor Complexity | 0 | 1,341 | 3.3 | 2 |
| V61A Drug Intoxication and Withdrawal, Major Complexity | 0 | 36 | 18.4 | 9 |
| V61B Drug Intoxication and Withdrawal, Minor Complexity | 0 | 170 | 4.5 | 2 |
| V62A Alcohol Use and Dependence, Major Complexity | 0 | 109 | 16.0 | 8 |
| V62B Alcohol Use and Dependence, Minor Complexity | 0 | 442 | 4.0 | 3 |
| V63Z Opioid Use and Dependence | 0 | 69 | 18.4 | 21 |
| V64Z Other Drug Use and Dependence | 0 | 58 | 6.9 | 3 |
| V65Z Treatment for Alcohol Disorders, Sameday | 7 | 509 | 0.5 | 1 |
| V66Z Treatment for Drug Disorders, Sameday | 0 | 80 | 0.5 | 1 |
| Total | 7 | 3,402 | 4.9 | 2 |

Note: a Based on total in-patients (sameday and overnight in-patients). Excludes day patients.

 TABLE 4.23
 Total Discharges: MDC 21 Injuries, Poisonings and Toxic Effects of Drugs: AR-DRG Version 8.0 by Patient
 Type (N, In-Patient Length of Stay)

| | Day Patients | In-Patients ^a | In-Patient | | |
|--|--------------|--------------------------|------------|----------------------|--|
| MDC 21 Injuries, Poisonings and Toxic Effects of Drugs | | | <u> </u> | of Stay ^a | |
| | N | N | Mean | Median | |
| W01A Vent, Trac & Cran Procs for Mult Sig Trauma, Major Complexity | 0 | 25 | 102.2 | 82 | |
| W01B Vent, Trac & Cran Procs for Mult Sig Trauma, Intermediate Complexity | 0 | 33 | 68.8 | 31 | |
| W01C Vent, Trac & Cran Procs for Mult Sig Trauma, Minor Complexity | 0 | 40 | 22.3 | 18 | |
| W02A Hip, Femur and Lower Limb Procedures for Multiple Sig Trauma, Major Complexity | 0 | 23 | 30.3 | 24 | |
| W02B Hip, Femur and Lower Limb Procedures for Multiple Sig Trauma, Minor Complexity | 0 | 77 | 21.0 | 12 | |
| W03Z Abdominal Procedures for Multiple Significant Trauma | 0 | 26 | 15.5 | 11 | |
| W04A Multiple Significant Trauma W Other OR Procedures, Major Complexity | 0 | 21 | 22.3 | 15 | |
| W04B Multiple Significant Trauma W Other OR Procedures, Minor Complexity | 0 | 38 | 9.2 | 8 | |
| W60A Multiple Sig Trauma, Died or Transferred to Acute Facility <5 Days, Major Comp | 0 | 32 | 2.1 | 2 | |
| W60B Multiple Sig Trauma, Died or Transferred to Acute Facility <5 Days, Minor Comp | 0 | 39 | 1.7 | 2 | |
| W61A Multiple Significant Trauma W/O OR Procedures, Major Complexity | 0 | 103 | 26.9 | 17 | |
| W61B Multiple Significant Trauma W/O OR Procedures, Minor Complexity | 0 | 145 | 16.9 | 7 | |
| X02A Microvascular Tissue Transfer and Skin Grafts for Injuries to Hand, Major Comp | ~ | 13 | 5.6 | 3 | |
| X02B Microvascular Tissue Transfer and Skin Grafts for Injuries to Hand, Minor Comp | 7 | 65 | 1.2 | 1 | |
| X04A Other Procedures for Injuries to Lower Limb, Major Complexity | 0 | 52 | 29.6 | 12 | |
| X04B Other Procedures for Injuries to Lower Limb, Minor Complexity | 15 | 194 | 2.9 | 1 | |
| X05A Other Procedures for Injuries to Hand, Major Complexity | 35 | 165 | 2.3 | 1 | |
| X05B Other Procedures for Injuries to Hand, Minor Complexity | 260 | 675 | 0.8 | 1 | |
| X06A Other Procedures for Other Injuries, Major Complexity | 0 | 114 | 18.8 | 12 | |
| X06B Other Procedures for Other Injuries, Intermediate Complexity | 27 | 180 | 6.2 | 4 | |
| X06C Other Procedures for Other Injuries, Minor Complexity | 215 | 727 | 1.9 | 1 | |
| X07A Skin Grafts for Injuries Excluding Hand, Major Complexity | ~ | 12 | 32.5 | 26 | |
| X07B Skin Grafts for Injuries Excluding Hand, Intermediate Complexity | ~ | 36 | 9.6 | 9 | |
| X07C Skin Grafts for Injuries Excluding Hand, Minor Complexity | 11 | 39 | 5.4 | 4 | |
| X40A Injuries, Poisoning and Toxic Effects of Drugs W Ventilator Support, Major Comp | 0 | 46 | 10.0 | 9 | |
| X40B Injuries, Poisoning and Toxic Effects of Drugs W Ventilator Support, Minor Comp | 0 | 70 | 6.3 | 5 | |
| X60A Injuries, Major Complexity | 7 | 1,244 | 11.0 | 5 | |
| X60B Injuries, Minor Complexity | 492 | 3,670 | 1.6 | 1 | |
| X61A Allergic Reactions, Major Complexity | 0 | 99 | 1.8 | 1 | |
| X61B Allergic Reactions, Minor Complexity | ~ | 340 | 1.0 | 1 | |
| X62A Poisoning/Toxic Effects of Drugs and Other Substances, Major Complexity | 0 | 1,220 | 5.5 | 3 | |
| X62B Poisoning/Toxic Effects of Drugs and Other Substances, Minor Complexity | 23 | 3,714 | 1.8 | 1 | |
| X63A Sequelae of Treatment, Major Complexity | 11 | 489 | 8.2 | 5 | |
| X63B Sequelae of Treatment, Minor Complexity | 186 | 1,366 | 2.4 | 1 | |
| X64A Other Injuries, Poisonings and Toxic Effects, Major Complexity | ~ | 405 | 15.4 | 10 | |
| X64B Other Injuries, Poisonings and Toxic Effects, Minor Complexity | ~ | 835 | 2.8 | 1 | |
| Total | 1,305 | 16,372 | 4.5 | 1 | |

[~] Denotes five or fewer discharges reported to HIPE.

a Based on total in-patients (sameday and overnight in-patients). Excludes day patients.

TABLE 4.24 Total Discharges: MDC 22 Burns: AR-DRG Version 8.0 by Patient Type (N, In-Patient Length of Stay)

| MDC 22 Burns | Day Patients | In-Patients ^a | In-Patient Length of Stay ^a | |
|--|--------------|--------------------------|---|--------|
| | N | N | Mean | Median |
| Y01Z Vent >=96hrs or Trach for Burns or OR Procs for Severe Full Thickness Burns | 0 | 16 | 47.8 | 28 |
| Y02A Skin Grafts for Other Burns, Major Complexity | 0 | 31 | 31.9 | 21 |
| Y02B Skin Grafts for Other Burns, Intermediate Complexity | ~ | 63 | 9.7 | 8 |
| Y02C Skin Grafts for Other Burns, Minor Complexity | ~ | 20 | 5.3 | 5 |
| Y03A Other OR Procedures for Other Burns, Major Complexity | ~ | 29 | 8.0 | 3 |
| Y03B Other OR Procedures for Other Burns, Minor Complexity | ~ | 45 | 3.5 | 2 |
| Y60Z Burns, Transferred to Acute Facility <5 Days | ~ | 48 | 1.1 | 1 |
| Y61Z Severe Burns | ~ | 68 | 7.7 | 3 |
| Y62A Other Burns, Major Complexity | 19 | 64 | 6.6 | 3 |
| Y62B Other Burns, Minor Complexity | 56 | 173 | 2.7 | 1 |
| Total | 98 | 557 | 7.8 | 2 |

Notes: ~ Denotes five or fewer discharges reported to HIPE.

a Based on total in-patients (sameday and overnight in-patients). Excludes day patients.

TABLE 4.25 Total Discharges: MDC 23 Factors Influencing Health Status and Other Contacts with Health Services: AR-DRG Version 8.0 by Patient Type (N, In-Patient Length of Stay)

| | | In-Patients ^a | In-Patient | |
|--|--------|--------------------------|------------|----------------------|
| MDC 23 Factors Influencing Health Status and Other Contacts with Health Services | | | Length | of Stay ^a |
| | N | N | Mean | Median |
| Z01A Other Contacts W Health Services W OR Procedures, Major Complexity | 39 | 77 | 17.3 | 9 |
| Z01B Other Contacts W Health Services W OR Procedures, Minor Complexity | 605 | 193 | 2.2 | 1 |
| Z40Z Other Contacts W Health Services W Endoscopy, Sameday | 10,829 | 29 | 0.5 | 1 |
| Z60A Rehabilitation, Major Complexity | 0 | ~ | ^ | ^ |
| Z60B Rehabilitation, Minor Complexity | 0 | ~ | ^ | ۸ |
| Z61A Signs and Symptoms, Major Complexity | 29 | 652 | 11.1 | 6 |
| Z61B Signs and Symptoms, Intermediate Complexity | 103 | 867 | 3.3 | 1 |
| Z61C Signs and Symptoms, Minor Complexity | 540 | 1,331 | 1.7 | 1 |
| Z63A Other Follow Up After Surgery or Medical Care, Major Complexity | 84 | 1,380 | 23.6 | 14 |
| Z63B Other Follow Up After Surgery or Medical Care, Minor Complexity | 1,117 | 1,391 | 12.5 | 3 |
| Z64A Other Factors Influencing Health Status, Major Complexity | 2,462 | 900 | 12.0 | 2 |
| Z64B Other Factors Influencing Health Status, Minor Complexity | 30,236 | 1,339 | 1.8 | 1 |
| Z65Z Congenital Anomalies and Problems Arising from Neonatal Period | 88 | 42 | 3.8 | 1 |
| Z66Z Sleep Disorders | 16 | 187 | 1.4 | 1 |
| Total | 46,148 | 8,391 | 9.3 | 2 |

- ~ Denotes five or fewer discharges reported to HIPE.
- ^ Denotes that length of stay is suppressed where the number of discharges is not reported.
- a Based on total in-patients (sameday and overnight in-patients). Excludes day patients.

TABLE 4.26 Total Discharges: Unassignable to MDC: AR-DRG Version 8.0 by Patient Type (N, In-Patient Length of Stay)

| Unassignable to MDC ^b | Day Patients | In-Patients ^a | | atient of Stay ^a |
|--|--------------|--------------------------|------|--------------------------------|
| | N | N | Mean | Median |
| 801A OR Procedures Unrelated to Principal Diagnosis, Major Complexity | 0 | 387 | 47.7 | 32 |
| 801B OR Procedures Unrelated to Principal Diagnosis, Intermediate Complexity | 36 | 443 | 16.4 | 12 |
| 801C OR Procedures Unrelated to Principal Diagnosis, Minor Complexity | 195 | 276 | 5.2 | 3 |
| 963Z Neonatal Diagnosis Not Consistent W Age/Weight | 0 | 0 | - | - |
| Total | 231 | 1,106 | 24.6 | 13 |

- Mean and median length of stay cannot be calculated as no in-patients are reported.
- Based on total in-patients (sameday and overnight in-patients). Excludes day patients.
- As not all discharges can be assigned directly to an MDC, there is a category entitled 'unassignable to MDC'. These cases are always queried by the HPO.

Unrelated OR DRGs: Patients whose OR procedures are unrelated to the patient's principal diagnosis are assigned to one of three OR DRGs: 801A OR Procedures Unrelated to Principal Diagnosis Major Complexity, 801B OR Procedures Unrelated to Principal Diagnosis Intermediate Complexity or 801C OR Procedures Unrelated to Principal Diagnosis Minor Complexity. An example of when this may be assigned is when a patient is admitted for a medical treatment; they develop a complication unrelated to the principal diagnosis and later have an OR procedure performed for the additional diagnoses associated with the complication.

Error DRGs: Episodes that contain clinically atypical or invalid information are assigned to one of three error DRGs: 960Z Ungroupable, 961Z Unacceptable Principal Diagnosis or 963Z Neonatal Diagnosis Not Consistent W Age/Weight.

Australian Consortium for Classification Development, 2015, Australian Refined Diagnosis Related Groups, Version 8.0, Definitions Manual, Volume 1. Independent Hospital Pricing Authority. p.11.

TABLE 4.27 Total Discharges: Pre-MDC: AR-DRG Version 8.0 by Patient Type (N, In-Patient Length of Stay)

| Pre-MDC | Day Patients | In-Patients ^a | In-Patient Length of Stay ^a | |
|---|--------------|--------------------------|---|--------|
| | N | N | Mean | Median |
| A01Z Liver Transplant | 0 | 40 | 44.9 | 26 |
| A03Z Lung or Heart-Lung Transplant | 0 | 16 | 46.6 | 30 |
| A05Z Heart Transplant | 0 | 9 | 68.6 | 50 |
| A06A Tracheostomy and/or Ventilation >=96hours, Major Complexity | 0 | 186 | 106.2 | 71 |
| A06B Tracheostomy and/or Ventilation >=96hours, Intermediate Complexity | 0 | 767 | 57.3 | 40 |
| A06C Tracheostomy and/or Ventilation >=96hours, Minor Complexity | 0 | 1267 | 27.7 | 20 |
| A07A Allogeneic Bone Marrow Transplant, Age <=16 Years or Major Complexity | 0 | 54 | 47.8 | 43 |
| A07B Allogeneic Bone Marrow Transplant, Age >=17 Years and Minor Complexity | ~ | 47 | 34.4 | 35 |
| A08A Autologous Bone Marrow Transplant, Major Complexity | 0 | 111 | 24.3 | 21 |
| A08B Autologous Bone Marrow Transplant, Minor Complexity | 15 | 51 | 8.2 | 4 |
| A09A Kidney Transplant, Age <=16 Years or Major Complexity | 0 | 15 | 15.3 | 15 |
| A09B Kidney Transplant, Age >=17 Years and Minor Complexity | 0 | 110 | 9.2 | 8 |
| A10Z Insertion of Ventricular Assist Device | 0 | 10 | 93.3 | 76 |
| A11A Insertion of Implantable Spinal Infusion Device, Major Complexity | ~ | 9 | 67.7 | 11 |
| A11B Insertion of Implantable Spinal Infusion Device, Minor Complexity | ~ | 6 | 8.8 | 9 |
| A12Z Insertion of Neurostimulator Device | 62 | 71 | 2.8 | 2 |
| A40A ECMO, Major Complexity | 0 | 14 | 118.8 | 80 |
| A40B ECMO, Minor Complexity | 0 | 27 | 19.1 | 15 |
| Total | 82 | 2,810 | 40.8 | 25 |

- Denotes five or fewer discharges reported to HIPE.
- Based on total in-patients (sameday and overnight in-patients). Excludes day patients.

Annex 2020

122 | Activity in Acute Public Hospitals 2020

Table of Contents

| A.1.1 Introduction | 123 |
|---|-----------------------|
| A.1.2 Overview of 2020 COVID-19 Admissions | 126 |
| A.1.3 Trend Analysis of COVID-19 admissions | 130 |
| A.1.4 MORBIDITY AND MORTALITY | 133 |
| A.1.5 SUMMARY | 135 |
| Tables | |
| TABLE A 1.1 COVID-19 admissions by sex, age group, ICU status and survival status (N, % a Length of Stay) | and In-Patient 126 |
| TABLE A 1.2 Total COVID-19 admissions by admission source and discharge destination | |
| TABLE A 1.3 COVID-19 admissions by week of admission, length of stay, age and ICU visit status_ | |
| TABLE A 1.4 COVID-19 admissions by ICU Visit Status (N, Length of Stay) | |
| Figures | |
| FIGURE A 1.1: Total COVID-19 admissions and mean length of stay, by age group | 127 |
| FIGURE A 1.2.1: Total COVID-19 admissions by (i) admission source and (ii) discharge destination | |
| FIGURE A 1.2.2: Total COVID-19 admissions: Discharge Destination by Admission Source | 128 |
| FIGURE A 1.2.3: COVID-19 admissions by Area of Residence | |
| FIGURE A 1.3.1: Total admissions and mean age by week of admission | |
| FIGURE A 1.3.2: Total admissions and percentage attending ICU by week of admission | |
| FIGURE A 1.4.1: Percentage of admissions with an ICU visit, by age group | |
| FIGURE A 1.4.2: Admissions with an ICU visit and mean length of ICU stay, by age group | 134 |
| FIGURE A 1.4.3: Total admissions with Discharge Destination 'Died' by sex and age group | 135 |

ANALYSIS OF CORONAVIRUS DISEASE 2019 (COVID-19) ADMISSIONS¹

A.1.1 INTRODUCTION

As noted in Section One, this Annex is designed to highlight particular topics of interest that merit more focused supplementary analysis. The focus of this year's Annex is Coronavirus disease 2019 (COVID-19), also known as novel coronavirus (COVID-19).

As of March 2020 the availability, reliability and coverage of HIPE data became of national and international importance in the reporting of COVID-19. The process of prioritising the coding of COVID-19 discharges was communicated by the HPO to all hospitals, and the software development team facilitated automatic nightly exports of cases with this diagnosis. The Department of Health, the HSE and other health agencies were given fast access to this data to track, monitor and support the health system.

A.1.1.1 What is Coronavirus disease 2019 (COVID-19)?

Coronavirus disease 2019 (COVID-19), also known as novel coronavirus (COVID-19), is a new (or 'novel') strain of coronavirus not previously identified in humans before the outbreak in Wuhan, Hubei Province, China. Coronaviruses (CoV) are a large family of viruses that cause illness ranging from the common cold to more severe diseases such as Middle East Respiratory Syndrome (MERS-CoV) and Severe Acute Respiratory Syndrome (SARS-CoV). Common signs of COVID-19 infection include respiratory symptoms such as cough, shortness of breath, breathing difficulties and fever. In severe cases, the infection can cause pneumonia, severe acute respiratory syndrome, kidney failure and death.

Source: Irish Coding Standard 22X2 V1.3 Novel Coronavirus (COVID-19) published 1st Jan 2021

A.1.1.2 Criteria for selection of COVID-19 admissions

This annex is based on admissions to hospital between 29th February 2020 and 31st December 2020 inclusive, with a diagnosis of COVID-19.^{1,2,3} Based on the Irish Coding Standard 22X2 V1.3 *Novel Coronavirus* (COVID-19) effective from 1st January 2021, the selection of admissions was based on those with any diagnosis of:

¹ HIPE is a discharge based database, however, to more accurately reflect the trends over time in COVID-19 hospitalisations, basing this analysis on admission date is a more suitable reflection of the changes that occurred during this period.

A proportion of the admissions included in this annex were discharged in 2021, and only admissions who were discharged up to 31 March 2021 were included. Admissions who were admitted in 2020 and discharged in 2021 are based on provisional 2021 HIPE data and therefore may be subject to change (HIPE_2021_ASOF_0621_V07_PROVISIONAL).

Since the data is confined to 2020 admissions, the large surge in admissions which occurred at the end of 2020 and continued into 2021 is not fully captured. To capture the full picture of admissions due to the COVID-19 pandemic a study incorporating all of 2020 and 2021 data, and perhaps data beyond 2021, will be required.

 B97.2 Coronavirus as the cause of diseases classified to other chapters to identify the infectious agent or B34.2 Coronavirus infection, unspecified site

and either of the following two codes:

- U07.1 Emergency use of U07.1 (COVID-19, virus identified) assigned when COVID-19 has been documented as confirmed by laboratory testing
- U07.2 Emergency use of U07.2 (COVID-19, virus not identified) assigned when COVID-19 has been documented as clinically diagnosed COVID-19, including evidence supported by radiological imaging (i.e. where a clinical determination of COVID-19 is made but laboratory testing is inconclusive, not available or unspecified).^{4,5}

A.1.1.3 Differences between HIPE COVID-19 data and other COVID-19 reporting systems (HPSC and ICU Bed Information System (ICU-BIS) (NOCA))

As described in the introduction, HIPE collects all COVID-19 admissions with the specified diagnoses in all acute public hospitals in Ireland. There are other official information sources on hospital related COVID-19 data which are presented in Ireland's COVID-19 Data Hub.⁶ Due to reasons outlined in this section any comparison of these data sources, which were set up for different reporting purposes, must be treated with caution. The two systems which present data similar to HIPE are outlined below:⁷

The Computerised Infectious Disease Reporting (CIDR) system, managed by the Health Protection Surveillance Centre contains data on confirmed COVID-19 cases. As of February 2020, COVID-19 was added to the existing list of notifiable diseases which places a statutory obligation on doctors and clinical directors of diagnostic laboratories to routinely notify the Medical Officer of Health (MOH) of new COVID-19 cases.

The ICU Bed Information System (ICU-BIS) data managed by the National Office for Clinical Audit (NOCA). ICU-BIS provides a real-time overview of ICU bed occupancy and bed availability nationally. Data is provided for confirmed COVID-19 admissions and the number of new admissions and discharges.

Some of the known differences between these systems and HIPE are outlined below:

<u>Patients</u>: in HIPE, each HIPE discharge record represents one episode of care.
 Patients may be admitted to hospital more than once in any given time period with the same or different diagnoses. Each episode of care with a diagnosis code of COVID-19 is recorded on HIPE and these will appear on HIPE once the patient is discharged and the episode is clinically coded.

Full detail of the coding guideline issued to hospitals is available online: https://hpo.ie/hipe/clinical_coding/irish_coding_standards/ICS_22X2_Novel_Coronavirus_(Covid-19)_and_Guidance_11MAY2020.pdf

It is important to note that a patient may or may not have COVID-19 on admission to hospital, so COVID-19 may not be the cause of admission.

⁶ https://covid19ireland-geohive.hub.arcgis.com/ (date accessed: 01 September 2021)

⁷ Information for this section was sourced directly from NOCA and HPSC, and also on the COVID-19 Data Hub website.

- On CIDR the variable 'Patient Type' which includes the option 'hospital inpatient' is usually captured when the patient is first interviewed or supplied by the laboratory carrying out the test. If a patient is tested in the community, this case will be classified as 'GP patient' (or 'other' category). If the patient status changes, e.g. subsequently requires hospitalisation, even if they are tested again in the hospital, the 'Patient Type' field may not be updated. They may therefore not capture these hospital admissions in their data.
- In the ICU data if a patient is no longer COVID-19 positive (when the person no longer tests positive for COVID-19 while in ICU) the case is de-notified and removed from the admission numbers, even if the patient is still being treated in ICU.
- <u>Coverage</u>: HIPE collects day patient and in-patient data from all acute public hospitals.⁸
 - CIDR data on hospitalised cases are based on cases notified in all public and private hospitals.
 - Data from the ICU-BIS system Data are based on an aggregate of all public and private ICU/HDU hospitals (including surge units).
- <u>Readmissions:</u> If a patient is admitted with COVID-19 and discharged but then subsequently re-admitted both of those episodes of care are recorded on HIPE. This differs from CIDR as CIDR is not a system for monitoring hospital discharge activity.
- <u>Transfers:</u> If a patient is transferred from one acute hospital to another both
 of these episodes of care are recorded on HIPE, again this differs from CIDR
 as CIDR is not a system for monitoring hospital discharge activity.

As described above, the three reporting systems discussed serve different purposes and use different methods for sourcing/collection of data. Therefore, any comparison of these reporting systems should be exercised with caution.

A.1.2 OVERVIEW OF 2020 COVID-19 ADMISSIONS

Section A.1.2 provides an overview of COVID-19 admissions in 2020 by sex, age group, ICU status and survival status, admission source, discharge destination and area of residence.

A.1.2.1 Total admissions by sex, age group, ICU status and survival status

Table A 1.1 provides information on total admissions by sex, age group, ICU status and survival status. Figure A 1.1 shows total admissions and mean length of stay by age group.

- A total of 9,164 COVID-19 admissions occurred in 2020 with an average length of stay of 19.7 days.
- There was a greater proportion of male admissions (54.0 per cent) compared to females (46.0 per cent).
- Mean length of stay increased with age, ranging from 3.8 days for those under 15 years to 27.7 days for those aged 85 and over.
- Just over 12 per cent of total admissions had a stay in ICU. Admissions with an ICU stay had an average length of stay of 34.1 days compared to 17.7 days for admissions without an ICU stay.

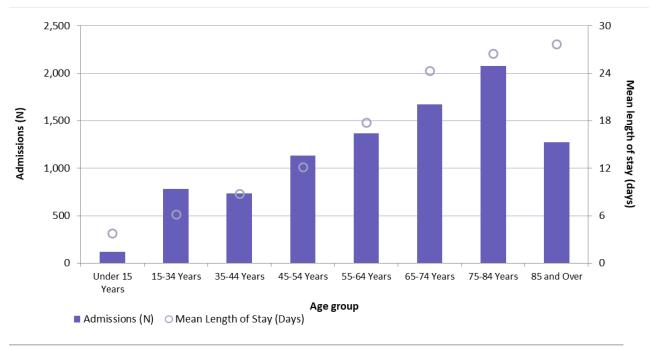
TABLE A 1.1: COVID-19 admissions by sex, age group, ICU status and survival status (N, % and In-Patient Length of Stay)

| | Total Admissions | | | | | |
|-------------------------------|------------------|------|----------|------------|--|--|
| | N | % | Mean LOS | Median LOS | | |
| Total | 9,164 | 100 | 19.7 | 10 | | |
| Males | 4,948 | 54.0 | 20.0 | 10 | | |
| Females | 4,216 | 46.0 | 19.4 | 9 | | |
| Age Group | | | | | | |
| Under 15 Years | 119 | 1.3 | 3.8 | 2 | | |
| 15-34 Years | 783 | 8.5 | 6.2 | 3 | | |
| 35-44 Years | 736 | 8.0 | 8.8 | 4 | | |
| 45-54 Years | 1,132 | 12.4 | 12.2 | 6 | | |
| 55-64 Years | 1,370 | 14.9 | 17.8 | 9 | | |
| 65-74 Years | 1,672 | 18.2 | 24.3 | 14 | | |
| 75-84 Years | 2,079 | 22.7 | 26.5 | 16 | | |
| 85 and Over | 1,273 | 13.9 | 27.7 | 19 | | |
| ICU Visit Status ^a | | | | | | |
| ICU Visit | 1,129 | 12.3 | 34.1 | 24 | | |
| No ICU Visit | 8,035 | 87.7 | 17.7 | 8 | | |
| Survival Status ^b | | | | | | |
| Survived | 7,759 | 84.7 | 19.0 | 9 | | |
| Died | 1,405 | 15.3 | 24.1 | 16 | | |

Notes: a ICU visit status is based on the variable ITU Days in HIPE with any value of >0 indicating an ICU stay. ITU Days identifies the number of days, or part thereof, the patient spent in an intensive care environment e.g. ICU/ITU/CCU/HDU/NITU.

b Survival Status is based on the HIPE discharge code variable. Patients who died during their episode of care have a discharge code of 6 or 7 (see Appendix II for full list of discharge codes in HIPE)

FIGURE A 1.1: Total COVID-19 admissions and mean length of stay, by age group



Note: See notes under Table A 1.1

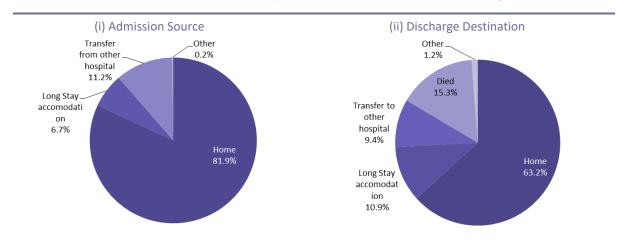
A.1.2.2 Total admissions by Admission Source and Discharge Destination

Table A 1.2 and Figures A 1.2.1 and A 1.2.2 provide information on COVID-19 admissions by Admission Source and Discharge Destination.

- Almost 82 per cent of total admissions were admitted from home (see Figure A 1.2.1). Of these admissions, over 70 per cent were discharged back home (see Table A 1.2).
- While only 6.7 per cent of total admissions were admitted from long stay accommodation, 36.2 per cent of those admitted from long stay accommodation died during their episode of care.⁹

Admissions from 'Long Stay Accommodation' recorded the highest average age of all admission sources at approximately 79 years. This compares to an overall average age across all admissions of just under 64 years.

FIGURE A 1.2.1: Total COVID-19 admissions by (i) Admission Source and (ii) Discharge Destination



Note: Percentages are subject to rounding.

TABLE A 1.2: Total COVID-19 admissions by Admission Source and Discharge Destination

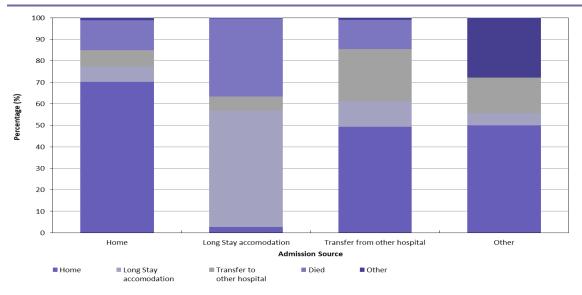
| | | Discharge Destination | | | | | |
|------------------------------|---|-----------------------|---------------|----------------|-------|-------|-------|
| Admission Source | | Home | Long Stay | Transfer to | Died | Other | Total |
| | | | Accommodation | other hospital | | | |
| Home | Ν | 5,263 | 541 | 570 | 1,044 | 91 | 7,509 |
| | % | 70.1 | 7.2 | 7.6 | 13.9 | 1.2 | 100 |
| Long Stay Accommodation | Ν | 17 | * | * | 222 | ~ | 614 |
| | % | 2.8 | - | - | 36.2 | - | 100 |
| Transfer from other hospital | N | 506 | 122 | 246 | 139 | 10 | 1,023 |
| | % | 49.5 | 11.9 | 24.1 | 13.6 | 1.0 | 100 |
| Other | Ν | 9 | ~ | ~ | 0 | ~ | 18 |
| | % | 50.0 | - | - | - | - | 100 |
| Total Admissions | N | 5,795 | 997 | 859 | 1,405 | 108 | 9,164 |
| | % | 63.2 | 10.9 | 9.4 | 15.3 | 1.2 | 100 |

Notes: See Appendix IV for information on how the HIPE variable 'Admission Source' and 'Discharge Destination' were grouped for this report.

~ Denotes five or fewer discharges reported to HIPE. * Further suppression required to prevent disclosure of five or fewer discharges.

Percentage columns are subject to rounding.

FIGURE A 1.2.2: Total COVID-19 admissions: Discharge Destination by Admission Source



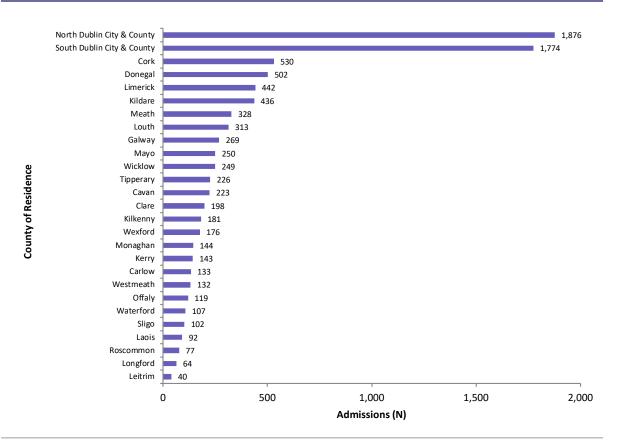
Note: See note under Table A 1.2

A.1.2.3 Total admissions by Area of Residence

Figure A 1.2.3 provides information on 2020 COVID-19 admissions by Area of Residence.

- Dublin North City and County and South City and County account for 40.0 per cent of total admissions.
- Cork accounts for 5.8 per cent of total admissions, Donegal 5.5 per cent and Limerick and Kildare both approximately 4.8 per cent.
- Leitrim had the lowest number of admissions, accounting for 0.4 per cent of total admissions.

FIGURE A 1.2.3: COVID-19 admissions by Area of Residence



Note:

Admissions with area of residence of 'no fixed abode' or 'foreign' are excluded from this figure.

A.1.3 TREND ANALYSIS OF COVID-19 ADMISSIONS

Section A.1.3 examines COVID-19 admissions by week of admission, Age and Length of Stay and shows the weekly percentage of admissions with an ICU visit in 2020.10

TABLE A 1.3 COVID-19 admissions by week of admission, length of stay, age and ICU visit status^a

| | | | Т | otal Admissions | | |
|---------------------|----------------|--------------|----------|-----------------|----------|------------------------|
| | | Length (| of Stay | Age | | ICU visit ^a |
| Week of Admission | Admissions (N) | Mean | Median | Mean | Median | % |
| 23/02/2020 | ~ | - | - | - | - | - |
| 01/03/2020 | 68 | 49.0 | 40 | 65.8 | 69 | 17.7 |
| 08/03/2020 | 165 | 29.8 | 19 | 63.8 | 70 | 10.3 |
| 15/03/2020 | 386 | 16.6 | 9 | 59.8 | 61 | 15.8 |
| 22/03/2020 | 710 | 15.6 | 8 | 62.4 | 64 | 14.5 |
| 29/03/2020 | 698 | 15.1 | 8 | 61.2 | 62 | 15.9 |
| 05/04/2020 | 663 | 16.2 | 8 | 65.3 | 68 | 12.1 |
| 12/04/2020 | 513 | 15.9 | 8 | 62.2 | 65 | 13.1 |
| 19/04/2020 | 383 | 13.6 | 8 | 63.2 | 66 | 10.2 |
| 26/04/2020 | 342 | 13.4 | 6 | 62.1 | 65 | 10.2 |
| 03/05/2020 | 262 | 16.6 | 9 | 67.0 | 73 | 5.7 |
| 10/05/2020 | 146 | 16.1 | 8 | 66.5 | 70 | 6.2 |
| 17/05/2020 | 123 | 15.8 | 7 | 62.7 | 64 | 7.3 |
| 24/05/2020 | 101 | 17.3 | 8 | 65.2 | 67 | 10.9 |
| 31/05/2020 | 53 | 18.2 | 10 | 64.8 | 65 | 3.8 |
| 07/06/2020 | 45 | 24.3 | 6 | 64.0 | 72 | 2.2 |
| 14/06/2020 | 27 | 10.2 | 6 | 59.6 | 60 | 7.4 |
| 21/06/2020 | 20 | 23.1 | 7 | 60.1 | 65 | 5.0 |
| 28/06/2020 | 23 | 30.2 | 14 | 49.9 | 53 | 13.0 |
| 05/07/2020 | * | - | - | - | - | - |
| 12/07/2020 | 19 | 43.6 | 7 | 57.9 | 66 | 10.5 |
| 19/07/2020 | 16 | 27.0 | 6 | 51.5 | 55 | 12.5 |
| 26/07/2020 | 19 | 38.8 | 6 | 52.0 | 62 | 10.5 |
| 02/08/2020 | 21 | 41.7 | 7 | 56.4 | 59 | 23.8 |
| 09/08/2020 | 26 | 34.8 | 15 | 63.7 | 69 | 7.7 |
| 16/08/2020 | 41 | 30.0 | 6 | 57.7 | 62 | 12.2 |
| 23/08/2020 | 43 | 32.3 | 12 | 59.1 | 61 | 9.3 |
| 30/08/2020 | 57 | 30.6 | 10 | 62.3 | 68 | 10.5 |
| 06/09/2020 | 65 | 31.0 | 13 | 62.2 | 66 | 16.9 |
| 13/09/2020 | 86 | 30.3 | 11 | 64.3 | 70 | 11.6 |
| 20/09/2020 | 112 | 25.9 | 10 | 64.0 | 65 | 13.4 |
| 27/09/2020 | 142 | 17.9 | 10 | 59.0 | 65 | 13.4 |
| 04/10/2020 | 215 | 20.4 | 10 | 63.2 | 67 | 14.0 |
| 11/10/2020 | 275 | 19.2 | 9 | 61.6 | 65 | 10.6 |
| 18/10/2020 | 356 | 17.2 | 8 | 63.4 | 67 | 9.0 |
| 25/10/2020 | 313 | 18.4 | 8 | 63.8 | 68 | 11.8 |
| 01/11/2020 | 268 | 19.3 | 9 | 63.8 | 69 | 14.6 |
| 08/11/2020 | 213 | 23.8 | 11 | 65.6 | 71 | 16.9 |
| 15/11/2020 | 194 | | | | 71 | 11.3 |
| | 211 | 25.8 25.7 | 13 14 | 65.9 63.3 | 67 | 11.3 |
| 22/11/2020 | | | | | | |
| 29/11/2020 | 213 | 30.4 | 22 | 69.3 | 73 | 16.4 |
| 06/12/2020 | 227 | 27.4 | 20 | 68.0 | 75 | 9.7 |
| 13/12/2020 | 284 | 27.2 | 22 | 68.6 | 74 | 14.8 |
| 20/12/2020 | 420 | 23.7 | 19 | 67.1 | 73 | 10.0 |
| 27/12/2020 Total | 581 9,164 | 18.1 19.8 | 13 10 | 66.6 63.8 | 71 68 | 11.4 12.3 |

- Notes: a ICU visit status is based on the variable ITU Days having a value of zero days or greater than zero days. ITU Days identifies the number of days, or part thereof, the patient spent in an intensive care environment e.g. ICU/ITU/CCU/HDU/NITU.
 - Denotes five or fewer discharges reported to HIPE.
 - Further suppression required to prevent disclosure of five or fewer discharges.

Week beginning 23/02/2020 consisted of one day of admissions since the data is based on admissions from 29/02/2020. Week beginning 27/12/2020 consisted of five days of admissions since the data is based on 2020 admissions.

Based on Table A 1.3, Figure A 1.3.1 provides information on total admissions and mean age by week of admission.

- Weekly admissions rose sharply from the first week, to reach a peak of 710 in March.
- From the end of May to mid-September the number of weekly admissions remained under 100. While admission fluctuated during October and November, admissions increased sharply to 581 in the last week of the year.
- Mean age ranged from 49.9 to 69.3 years for each week of admission. The average age of all COVID-19 admissions in 2020 was 63.8 years.
- Mean age appears to be lower between mid-June and mid-August. This coincides with low weekly admissions of less than 100.

FIGURE A 1.3.1: Total admissions and mean age by week of admission

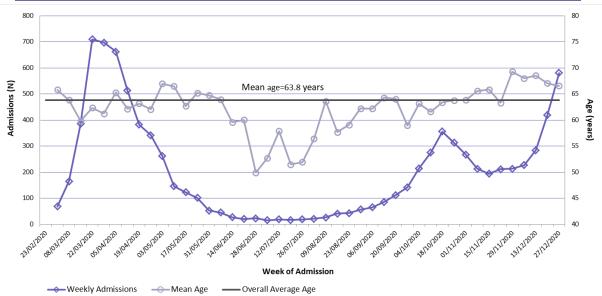


Figure A 1.3.2 provides information on the number of admissions by week of admission, and the percentage of admissions admitted in that week that had an ICU visit recorded in their episode of care.

- The proportion of admissions with an ICU visit recorded ranged from a low of 2.2 per cent in to a high of 23.8 per cent, however these outermost figures coincide with low admission numbers for these weeks.
- The overall mean percentage of admissions with an ICU visit was 12.3 per cent.

Nean percentage with an ICU visit=12.3 percent

Nean percentage with an ICU visit=12.3 percent

Repaired and the standard and

FIGURE A 1.3.2: Total admissions and percentage attending ICU by week of admission

Note:

ICU visit status is based on the variable ITU Days having a value of zero days or greater than zero days. ITU Days identifies the number of days, or part thereof, the patient spent in an intensive care environment e.g. ICU/ITU/CCU/HDU/NITU.

A.1.4 MORBIDITY AND MORTALITY

Section A.1.4 provides information on the morbidity and mortality of COVID-19 admissions, including mean and median length of stay, by ICU visit status, sex, age group and survival status.

TABLE A 1.4: COVID-19 admissions by ICU Visit Status (N, Length of Stay)

| | No | ICU Visit | | | | ICU Visit | t | | Tota | al Admissi | ons |
|----------------------|-------|-----------|-----|-------|-------|-----------|------|-----|-------|------------|-----|
| | N | Mean | Med | N | Total | LOS | ICU | LOS | | | |
| | | | | | Mean | Med | Mean | Med | N | Mean | Med |
| Total | 8,035 | 17.7 | 8 | 1,129 | 34.1 | 24 | 12.7 | 8 | 9,164 | 19.8 | 10 |
| Sex | | | | | | | | | | | |
| Male | 4,216 | 17.7 | 9 | 732 | 33.3 | 22 | 13.4 | 8 | 4,948 | 20.0 | 10 |
| Female | 3,819 | 17.8 | 8 | 397 | 35.5 | 26 | 11.4 | 7 | 4,216 | 19.4 | 9 |
| Age Group | | | | | | | | | | | |
| Under 15 Years | 108 | 2.7 | 2 | 11 | 14.4 | 7 | 7.3 | 4 | 119 | 3.8 | 2 |
| 15-34 Years | 734 | 5.2 | 2 | 49 | 21.6 | 11 | 6.7 | 3 | 783 | 6.2 | 3 |
| 35-44 Years | 655 | 7.1 | 3 | 81 | 23.0 | 17 | 11.5 | 7 | 736 | 8.8 | 4 |
| 45-54 Years | 962 | 9.2 | 5 | 170 | 29.6 | 19 | 12.5 | 9 | 1,132 | 12.2 | 6 |
| 55-64 Years | 1,110 | 14.0 | 7 | 260 | 34.3 | 25 | 15.6 | 10 | 1,370 | 17.8 | 9 |
| 65-74 Years | 1,358 | 21.5 | 12 | 314 | 36.6 | 27 | 13.2 | 9 | 1,672 | 24.3 | 14 |
| 75-84 Years | 1,884 | 24.9 | 15 | 195 | 41.2 | 28 | 12.2 | 7 | 2,079 | 26.5 | 16 |
| 85 Years and Over | 1,224 | 27.3 | 18 | 49 | 39.0 | 34 | 6.0 | 4 | 1,273 | 27.7 | 19 |
| Survival Status | | | | | | | | | | | |
| Died | 1,112 | 22.3 | 15 | 293 | 30.9 | 22 | 14.1 | 10 | 1,405 | 24.1 | 16 |
| Survived | 6,923 | 17.0 | 8 | 836 | 35.2 | 25 | 12.2 | 8 | 7,759 | 19.0 | 9 |

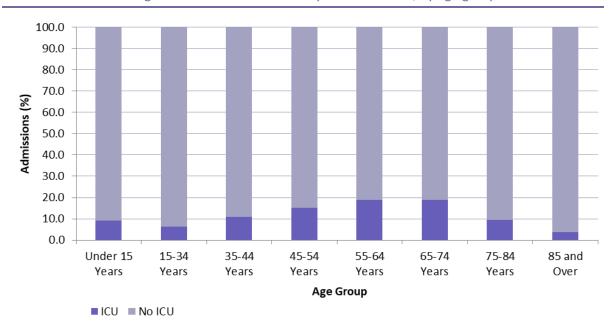
Note:

ICU visit status is based on the variable ITU Days having a value of zero days (No ICU Visit) or greater than zero days. ITU Days identifies the number of days, or part thereof, the patient spent in an intensive care environment e.g. ICU/ITU/CCU/HDU/NITU.

Table A 1.4 and Figures A 1.4.1 and A 1.4.2 provide information on COVID-19 admissions and their lengths of stay by ICU visit status, age group, sex, and survival status.

- Admissions with an ICU visit had an average length of stay of 34.1 days for their complete episode of care, compared to an average length of stay of 17.7 days for non-ICU admissions
- The average length of an ICU stay was 12.7 days.
- For admissions with an ICU visit, those aged 85 years and over had the lowest length of ICU stay at 6.0 days.
- Almost one in five admissions in the 55–64 years age group and the 65-74 years age group had an ICU visit during their episode of care (19.0 per cent and 18.8 per cent respectively).
- The age group aged 85 years and over had the lowest percentage of admissions recording an ICU visit, at 3.8 per cent.

FIGURE A 1.4.1: Percentage of COVID-19 admissions by ICU visit status, by age group



Note:

ICU visit status is based on the variable ITU Days having a value of zero days or greater than zero days. ITU Days identifies the number of days, or part thereof, the patient spent in an intensive care environment e.g. ICU/ITU/CCU/HDU/NITU.

FIGURE A 1.4.2: Admissions with an ICU visit and mean length of ICU stay, by age group

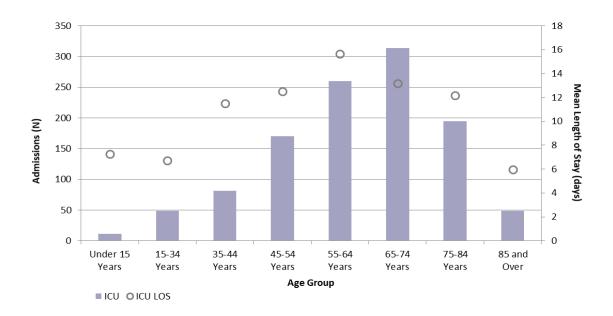


Figure A 1.4.3 provides information on admissions that had a Discharge Destination of 'Died', by sex and age group. A total of 1,405 admissions died during their episode of care, representing 15.3 per cent of total COVID-19 admissions in 2020.

- The 75–84 years age group recorded the highest number of admissions who died during their episode of care for both males and females.
- For each age group, except the 15–44 years age groups, the number of male admissions who died during their hospital stay exceeds the number of female admissions.

350 300 250 Admissions (N) 200 150 100 50 0 15-44 45-54 65-74 75-84 55-64 85 and Years Years Years Years Years Over ■ Female 12 12 40 204 203 88 Male 8 19 58 198 329 234

FIGURE A 1.4.3: Total admissions with Discharge Destination 'Died' by sex and age group

A.1.5 SUMMARY

The volume and lengths of stay for admissions recording a diagnosis of COVID-19 have had a significant impact on the ability of hospitals to perform their usual activity. The main points of this section are outlined below:

- 54 per cent of the total 9,164 COVID-19 admissions in 2020 were male, 46 per cent were female.
- COVID-19 in-patients had a longer length of stay (19.7 days) compared to the overall average in-patient length of stay reported on HIPE in 2020 (5.8 days).
- 12.3 per cent of total admissions had a stay in ICU. These admissions had an average total length of stay of 34.1 days.
- 15.3 per cent of total admissions died in hospital. Of these 60 per cent were male, 40 per cent were female.
- 81.9 per cent of COVID-19 admissions were from home. 70.1 per cent of these were discharged back home.

Glossary & Abbreviations

GLOSSARY

Acute hospital

An acute hospital provides medical and surgical treatment of relatively short duration (Department of Health and Children, 2001).

Additional diagnosis

This is a condition or complaint either coexisting with the principal diagnosis or arising during the episode of admitted patient care, episode of residential care or attendance at a health care establishment, as represented by a code (ACCD,2017).

Admission type

The type of admission may generally be classified as a planned or emergency admission. Unlike emergency admissions, planned admissions are arranged in advance by the patient and/or service provider.

Australian Coding Standards

Australian Coding Standards (ACS) is a document developed to provide guidance in the application of ICD-10-AM and ACHI codes. Standards are provided with general guidelines and are categorised by site and/or body system according to the clinical specialty to which a disease or procedure relates.

Case mix

Case mix is a method of quantifying hospital workload taking account of the complexity and resource-intensity of the services provided.

Complications

Complications may arise during the hospital stay.

Comorbidities

Comorbidities are assumed to be prior existing conditions, which were present at the time of admission.

Day patient

A day patient is admitted to hospital for treatment on an elective (rather than an emergency) basis and is discharged alive, as scheduled, on the same day (Department of Health and Children, 2001). Deliveries are not included.

Delivery discharges

Refers to Maternity discharges where the woman had a diagnosis of delivery (ICD-10-AM diagnosis code Z37 Outcome of delivery).

Delivery status

Refers to the disaggregation of Maternity discharges into delivery and non-delivery status determined by the presence of a diagnosis of delivery (ICD-10-AM diagnosis code Z37 Outcome of delivery).

Diagnosis Related Group (DRG)

DRGs are clusters of cases with similar clinical attributes and resource requirements. In Ireland, Australian Refined Diagnosis Related Group (AR-DRG) have been in use in Ireland since 2005.

Discharge rate

Discharge rate is the ratio of discharges to the corresponding population. The formula for calculating the discharge rate is:

> Discharges in group i x 1,000 Population of group i

Age-specific discharge rates are calculated as the number of discharges within a particular age group divided by the population within that particular age group multiplied by 1,000. Sex-specific discharge rates are calculated as the number of male (female) discharges divided by the male (female) population multiplied by 1,000.

Age- and sex-specific discharge rates are calculated as the number of male (female) discharges within a particular age group divided by the number of males (females) in the population within that particular age group multiplied by 1,000.

Elective admission

This is an admission or procedure that has been arranged in advance (Department of Health and Children, 2001). This term is generally used to refer to in-patient discharges. The term planned admission may also be used.

Emergency admission

An emergency admission is unforeseen and requires urgent care. This term is used to refer to in-patient discharges.

GMS status

Refers to whether a patient holds a medical card.

Hospital acquired complications (HACs)

Hospital acquired complications (HACs) are complications which occur during a hospital stay and for which clinical risk mitigation strategies may reduce (but not necessarily eliminate) the risk of that complication occurring. (IHPA)

A list of 16 HACs was developed by a Joint Working Party of the Australian Commission on Safety and Quality in Health Care (the Commission) and IHPA. The Commission is responsible for the ongoing curation of the HAC list to ensure it remains clinically relevant.

Hospital Acquired Diagnosis (HADx) Indicator

This indicator will allow the diagnoses acquired during the patient's episode of care that were not present prior to admission, to be identified. (Irish Coding Standards 2020)

Hospital Groups

The organisational structure of public hospitals was revised in 2013 with the establishment of hospital groups on a non-statutory administrative basis.

Hospital In-Patient Enquiry (HIPE)

HIPE is a health information system that collates data on discharges from, and deaths in, acute hospitals in Ireland.

In-Patient

An in-patient is admitted to hospital for treatment or investigation on a planned or emergency basis.

Overnight In-Patient: These discharges are in-patient discharges who stayed at least one night in hospital.

Sameday In-Patient: These discharges are admitted as in-patients and discharged on the same day. They do not meet the criteria to be classified as a day patient. They are assigned a length of stay of 0.5 days

Irish Coding Standards

Irish Coding Standards (ICS) is a document which provides guidance and instruction on all aspects of HIPE data collection by addressing issues specific to the Irish hospital setting. It is revised regularly to reflect changing clinical practice. ICS is designed to complement the Australian Coding Standards. ICS 2020 V1.3 was used in the collection of HIPE data in 2020.

Length of stay

Length of stay refers to the time, expressed in days, between admission to and discharge from hospital. For day patients and same day in-patients where the dates of admission and discharge are the same, length of stay is set equal to 0.5 days.

Mean and median lengths of stay are provided for in-patients only.

Mean length of stay is computed by dividing the number of days stayed by the number of discharges.

The median length of stay is the middle value among the ordered lengths of stay, such that half of the values for length of stay are below the median and half the values for length of stay are above the median.

Major Diagnostic Category (MDC)

The MDC is a category generally based on a single body system or aetiology that is associated with a particular medical specialty. However, records assigned to MDCs 01, 15, 18 and 21 may have principal diagnoses associated with other categories. In AR-DRG Version 8.0, there are 23 MDCs.

Medical Assessment Unit

A medical assessment unit (MAU) also referred to as an Acute Medical Assessment Unit (AMAU) or an Acute Medical Unit (AMU), is a consultant led unit that accepts direct referrals from GPs. It offers priority access to diagnostic facilities.

Maternity discharges

These discharges are admitted in relation to their obstetrical experience (from conception to six weeks post-delivery), that is, they are allocated to Admission Type Maternity.

Non-delivery

Non-delivery discharges are Maternity discharges where the admission was related to their obstetrical experience but who did not deliver during that episode of care.

Parity

HIPE collects the number of previous live births and number of previous stillbirths (over 500g) for all cases with admission type code Maternity.

Primiparous: These are women who have had no previous pregnancy resulting in a live birth or stillbirth.

Multiparous: These are women who have had at least one previous pregnancy resulting in a live birth or stillbirth.

Patient type

A patient may be admitted to hospital as a day patient (which is planned and does not involve an overnight stay), or an in-patient.

Principal diagnosis

This is the diagnosis established after study to be chiefly responsible for occasioning an episode of admitted patient care, an episode of residential care, or an attendance at the health care establishment, as represented by a code (ACCD, 2017).

Principal and additional procedure

A procedure is defined as a clinical intervention that

- is surgical in nature, and/or
- carries a procedural risk, and/or
- carries an anaesthetic risk, and/or
- requires specialised training, and/or
- requires special facilities or equipment only available in an acute care setting.

The order of codes should be determined using the following hierarchy:

- procedure performed for treatment of the principal diagnosis
- procedure performed for treatment of an additional diagnosis
- diagnostic/exploratory procedure related to the principal diagnosis
- diagnostic/exploratory procedure related to an additional diagnosis for the episode of care (ACCD, 2017).

Public/private status

Refers to whether the patient is a public or private patient of the consultant. It does not relate to the type of bed occupied nor is it an indicator of possession of private health insurance.

Sources:

The above definitions are taken directly from, or based on, those provided in the following:

Department of Health and Children, 2001. Quality and Fairness a Health System for You: Health Strategy. Dublin: The Stationery Office.

'Hospital Services – Introduction': Citizen's Information; date consulted: 9 December 2011.

www.citizensinformation.ie/categories/health/hospital-services/hospital_services_introduction

For further information on the definitions of diagnoses and procedures see Australian Consortium for Classification Development (ACCD) 2017. The International Statistical Classification of Diseases and Related Health Problems, Tenth Revision, Australian Modification (ICD-10-AM), and Australian Classification of Health Interventions (ACHI) and Australian Coding Standards (ACS) – ICD-10-AM/ACHI/ACS (10th Ed)- Adelaide: Independent Hospital Pricing Authority (IHPA), Lane Publishing.

Further information on AR-DRG Version 8.0 can be found on the IHPA website https://www.ihpa.gov.au/publications/ardrg-version-80 [Accessed 19th October 2021].

ABBREVIATIONS

ACCD Australian Consortium for Classification Development

Adm Admission

Admwt Admission Weight

ACHI Australian Classification of Health Interventions

ACS Australian Coding Standards

ADRG Adjacent Diagnosis Related Groups

AICD Automatic Implantable Cardioverter-Defibrillator

AMI Acute Myocardial Infarction

AR-DRG Australian Refined Diagnosis Related Group

CC Complication and/or Comorbidity
CDE Common Bile Duct Exploration

Circ Circulatory
Comp Complexity

CPB Cardiopulmonary Bypass

Cran Cranial

CSO Central Statistics Office

D&D Diseases and Disorders

CPB pump Cardiopulmonary bypass pump

Dsrds Disorders

DoH Department of Health
DRG Diagnosis Related Group
EEG Electroencephalography

ECMO Extra corporeal membrane oxygenation

ENT Electroconvulsive therapy
Ent Ear, Nose and Throat

ERCP Endoscopic Retrograde Cholangio Pancreatography

ESRI Economic and Social Research Institute

ESW Extracorporeal Shock Waves

excl Excluding
Ext Extreme
Fmr Femur
Gest Gestation

GI Gastro-intestinal

g Grams

GMS General Medical Services
GP General Practitioner

HAC Hospital Acquired Complications
HADx Hospital Acquired Diagnosis
HIPE Hospital In-Patient Enquiry
HIV Human Immunodeficiency Virus

HPO Healthcare Pricing Office
HSE Health Service Executive

ICD-10-AM Tenth Revision of the International Classification of Diseases, Australian Modification

ICS Irish Coding Standards

IHPA Independent Hospital Pricing Authority

Incl Including

Infect/inflam Infection/inflammation

Inhal Inhalation
Int/Interm Intermediate
Inves/Invest Investigative

IT Information Technology

LOS Length of Stay

Major Major

MAJC Major Complexity

MDC Major Diagnostic Category

Med Median

Microvas Microvascular

Min Minor

MINC Minor Complexity
misc Miscellaneous
Mod Moderate
Mult Multiple

n/a Not applicable

NCCH National Centre for Classification in Health

N Number of Observations/Discharges

Non-malig Non-malignant

NPRS National Perinatal Reporting System

NTPF National Treatment Purchase Fund

Obs Obstetric

OR Operating Room

PICQ Performance Indicators of Coding Quality

Pr/Proc(s) Procedure(s)
Psych Psychiatric

RCSI Royal College of Surgeons in Ireland

Sev Severe
Sig Significant

TIA Transient Ischaemic Attack

Tiss Tissue
Tfr/Transf Transfer

Trac Tracheostomy

UL University of Limerick Hospital Group

URI Upper Respiratory Infection

Vent Ventilation

WHO World Health Organisation

W With W/O Without

Appendices

Table of Contents

| Appendix I: | HIPE Hospitals | _147 |
|----------------|---|------|
| Appendix II: | HIPE Data Collected | _149 |
| Appendix III: | HIPE Data Entry Form | _151 |
| Appendix IV: | Derived Variables | _152 |
| Appendix V: | Australian Coding Standard 0042 | _153 |
| Appendix VI: | Further Information on HIPE Scheme | _155 |
| Appendix VII: | Overview of changes from 8th Edition to 10th Edition ICD-10-AM/ACHI/ACS | _156 |
| Appendix VIII: | Overview of changes between Version 6.0 and Version 8.0 of the AR-DRG Classification System | _161 |

APPENDIX I: HIPE HOSPITALS

 TABLE I.1
 Listing of Hospitals Participating in the HIPE Scheme by Hospital Group

| Hospital Name | County | Hospital Model | Hospital Type |
|--|-----------|----------------|---------------|
| Ireland East Hospital Group | | | |
| St. Columcille's Hospital | Dublin | Model 2 | Non-Voluntary |
| Mater Misericordiae University Hospital | Dublin | Model 4 | Voluntary |
| St. Vincent's University Hospital | Dublin | Model 4 | Voluntary |
| Cappagh National Orthopaedic Hospital | Dublin | Specialist | Voluntary |
| St. Michael's Hospital, Dun Laoghaire | Dublin | Model 2 | Voluntary |
| Royal Victoria Eye and Ear Hospital, Dublin | Dublin | Specialist | Voluntary |
| National Maternity Hospital, Holles St, Dublin | Dublin | Maternity | Voluntary |
| St. Luke's General Hospital, Kilkenny | Kilkenny | Model 3 | Non-Voluntary |
| Wexford General Hospital | Wexford | Model 3 | Non-Voluntary |
| Midland Regional Hospital, Mullingar | Westmeath | Model 3 | Non-Voluntary |
| Our Lady's Hospital, Navan | Meath | Model 3 | Non-Voluntary |
| RCSI Hospital Group | | | |
| Connolly Hospital, Blanchardstown | Dublin | Model 3 | Non-Voluntary |
| Beaumont Hospital, Dublin | Dublin | Model 4 | Voluntary |
| Rotunda Hospital, Dublin | Dublin | Maternity | Voluntary |
| St. Joseph's Hospital, Raheny | Dublin | Model 2 | Voluntary |
| Our Lady of Lourdes Hospital, Drogheda | Louth | Model 3 | Non-Voluntary |
| Cavan General Hospital | Cavan | Model 3 | Non-Voluntary |
| Louth County Hospital, Dundalk | Louth | Model 2 | Non-Voluntary |
| Monaghan Hospital | Monaghan | Model 2 | Non-Voluntary |
| Dublin Midlands Hospital Group | | | |
| Naas General Hospital | Kildare | Model 3 | Non-Voluntary |
| St. Luke's Hospital, Rathgar ^a | Dublin | Specialist | Non-Voluntary |
| St. James's Hospital, Dublin | Dublin | Model 4 | Voluntary |
| Coombe Women & Infants University Hospital | Dublin | Maternity | Voluntary |
| Tallaght University Hospital ^b | Dublin | Model 4 | Voluntary |
| Midland Regional Hospital, Tullamore | Offaly | Model 3 | Non-Voluntary |
| Midland Regional Hospital, Portlaoise | Laois | Model 3 | Non-Voluntary |
| South/South West Hospital Group | | | |
| University Hospital Waterford | Waterford | Model 4 | Non-Voluntary |
| Kilcreene Orthopaedic Hospital | Kilkenny | Specialist | Non-Voluntary |
| South Tipperary General Hospital, Clonmel | Tipperary | Model 3 | Non-Voluntary |
| Bantry General Hospital | Cork | Model 2 | Non-Voluntary |
| Mercy University Hospital, Cork | Cork | Model 3 | Voluntary |
| South Infirmary Victoria University Hospital | Cork | Model 2 | Voluntary |
| Mallow General Hospital | Cork | Model 2 | Non-Voluntary |
| Cork University Hospital | Cork | Model 4 | Non-Voluntary |
| University Hospital Kerry | Kerry | Model 3 | Non-Voluntary |
| | | | |

 TABLE I.1
 Listing of Hospitals Participating in the HIPE Scheme by Hospital Group (contd.)

| Hospital Name | County | Hospital Model | Hospital Type |
|---|-----------|----------------|---------------|
| University of Limerick Hospital Group | | | |
| University Maternity Hospital Limerick | Limerick | Maternity | Non-Voluntary |
| University Hospital Limerick | Limerick | Model 4 | Non-Voluntary |
| Croom Orthopaedic Hospital, Limerick | Limerick | Specialist | Non-Voluntary |
| St. John's Hospital, Limerick | Limerick | Model 2 | Voluntary |
| UL Hospitals, Ennis Hospital | Clare | Model 2 | Non-Voluntary |
| UL Hospitals, Nenagh Hospital | Tipperary | Model 2 | Non-Voluntary |
| Saolta Hospital Group | | | |
| Roscommon County Hospital | Roscommon | Model 2 | Non-Voluntary |
| Portiuncula Hospital, Ballinasloe | Galway | Model 3 | Non-Voluntary |
| Galway University Hospitals | Galway | Model 4 | Non-Voluntary |
| Mayo University Hospital | Mayo | Model 3 | Non-Voluntary |
| Letterkenny University Hospital | Donegal | Model 3 | Non-Voluntary |
| Sligo University Hospital | Sligo | Model 3 | Non-Voluntary |
| Children's Hospital Group | | | |
| Our Lady's Children's Hospital, Crumlin | Dublin | Paediatric | Voluntary |
| Temple Street Children's University Hospital | Dublin | Paediatric | Voluntary |
| Tallaght University Hospital ^b | Dublin | Paediatric | Voluntary |
| No group | | | |
| Peamount Hospital | Dublin | Non-Acute | Voluntary |
| National Rehabilitation Hospital (NRH), Dun Laoghaire | Dublin | Non-Acute | Voluntary |
| Incorporated Orthopaedic Hospital, Clontarf | Dublin | Non-Acute | Voluntary |
| St. Finbarr's Hospital | Cork | Non-Acute | Non-Voluntary |

Notes:

Total number of hospitals participating in 2020: 53

a Includes St. Luke's Radiation Oncology Network centres located in Beaumont and St. James's Hospitals. These centres are operational since 2011 but activity has only been included in HIPE from 2015.

b For reporting purposes, discharges aged 17 years and older from Tallaght University Hospital are included in the Dublin Midlands Hospital Group, while discharges aged less than 17 years from Tallaght University Hospital are included in the Children's Hospital Group.

APPENDIX II: HIPE DATA COLLECTED

TABLE II.1 Data Collected by HIPE*

| Type of Data | Parameters | Notes |
|------------------|--|---|
| | Date of birth Sex | Full date of birth not exported outside the hospital. |
| c Data | Marital/Civil status | Values include single, married, widowed, other (including separated), unknown, divorced, civil partner, former civil partner or surviving civil partner. |
| Demographic Data | Infant admission weight | Weight in whole grams on admission is collected for neonates (0–27 days old) and infants up to 1 year of age with admission weight of less than 2,500 grams. |
| Der | Area of residence by county or country | If resident in Ireland but outside Dublin, captures county of residence. If resident in Dublin, captures postal code. If usually resident outside Ireland, captures country of residence. |
| | One principal diagnosis | Uses the International Statistical Classification of Diseases and Related Health Problems, 10th Revision, Australian Modification (ICD-10-AM), 10th Edition, July 2017. |
| | Twenty-nine additional diagnoses | Uses the International Statistical Classification of Diseases and Related Health Problems, 10th Revision, Australian Modification (ICD-10-AM), 10th Edition, July 2017. |
| Clinical Data | One principal procedure | Uses the Australian Classification of Health Interventions (ACHI) of the International Statistical Classification of Diseases and Related Health Problems, 10th Revision, Australian Modification (ICD-10-AM), 10th Edition, July 2017. |
| Ü | Nineteen additional procedures | Uses the Australian Classification of Health Interventions (ACHI) of the International Statistical Classification of Diseases and Related Health Problems, 10th Revision, Australian Modification (ICD-10-AM), 10th Edition, July 2017. |
| | Hospital Acquired Diagnosis | Condition not present prior to admission to hospital. |
| | Patient name Hospital number | Is not exported outside the hospital. |
| | Chart number Admission and discharge dates | Is unique to hospital of discharge. |
| · · | Dates of procedures Day case indicator | Collected for each procedure. |
| ıtive Data | Day ward indicator Day ward identifier | Indicates if a day case patient was admitted to a dedicated named day ward. If the answer to day ward indicator is 'Yes', the day ward identifier must be entered to identify where the patient was treated. |
| Administrat | Type of admission | Values include elective, elective readmission, emergency, emergency readmission, maternity, or newborn. |
| Adm | Waiting list indicator | Indicates if an elective admission case is funded by the National Treatment Purchase Fund (NTPF). |
| | Mode of emergency admission | Indicates where the patient with admission codes emergency, emergency readmission, or newborn was treated prior to being admitted to the hospital as an in-patient, or when the patient was treated only in a registered Medical Assessment Unit (MAU). Values include Emergency Department of the admitting hospital, AMAU admitted as in-patient, other, unknown, AMAU only, Local Injury Unit ASAU admitted as in-patient and ASAU only. |

Data Collected by HIPE (contd.)

| Type of Data | Parameters | Notes | | | | | |
|------------------------------|---|---|--|--|--|--|--|
| Data | Source of admission | Values include home, transfer from nursing home/convalescent home or other long stay accommodation, transfer of admitted or non-admitted patient from hospital or COVID-19 facility in hospital code list or transfer from any acute hospital not specified in hospital code listing, transfer from other non-acute hospital, transfer from hospice, transfer from psychiatric hospital/unit, newborn, temporary place of residence, prison, or other. | | | | | |
| | Discharge destination | Values include self discharge, home, nursing home, convalescent home or long stay accommodation, emergency transfer to hospital in hospital code listing or transfer to <i>any</i> <u>acute</u> hospital not specified in hospital code listing, non-emergency transfer to hospital in hospital code listing, or COVID-19 facility, or transfer to <u>any</u> <u>acute</u> hospital not specified in hospital code listing, transfer to psychiatric hospital/unit, died with post-mortem, died without post-mortem, emergency transfer to non-acute hospital, non-emergency transfer to non-acute hospital, transfer to rehabilitation facility, hospice, prison, absconded, other, or temporary place of residence (e.g. hotel). | | | | | |
| | Discharge status | Refers to the public/private status of the patient on discharge and not to the type of bed occupied. | | | | | |
| | Health Insurer | Collected where discharge status of the patient is private. | | | | | |
| | General Medical | Refers to whether the patient is a medical card holder. | | | | | |
| | Service status | ' | | | | | |
| | Days in an intensive | | | | | | |
| | care environment | | | | | | |
| Administrative Data (contd.) | Days in a private bed | Number of days patient spent in a private bed | | | | | |
| | Days in a semi-private bed | Number of days patient spent in a semi-private bed | | | | | |
| eg S | Days in a public bed | Number of days patient spent in a public bed | | | | | |
| ve Dat | Parity | Parity: Live births Mandatory for all cases with admission type maternity. Parity: Still births | | | | | |
| iistrati | Specialty | Refers to specialty of consultant associated with the principal diagnosis and is assigned locally based on a list provided by the Department of Health. | | | | | |
| ä | Primary consultant | Encrypted. | | | | | |
| Adr | Anaesthetist | Encrypted. Collected for each procedure performed under anaesthetic. | | | | | |
| · | Intensive care consultant | Encrypted. Up to ten may be recorded. | | | | | |
| | Admitting consultant | Encrypted. | | | | | |
| | Discharge consultant | Encrypted. | | | | | |
| | Consultant responsible for each diagnosis | Encrypted. | | | | | |
| | Consultant responsible for each procedure | Encrypted. | | | | | |
| | Date of transfer to a pre-discharge unit | Date may be collected to identify when a patient was transferred to a pre- discharge unit prior to being discharged as planned. This is an optional variable collected since 2004. | | | | | |
| | Ward Identification | Admitting ward: The ward to which the patient was admitted. Discharge ward: The ward from which the patient was discharged. | | | | | |
| | Temporary leave days | Refers to the number of days the patient was absent from the hospital during an episode of care. | | | | | |

* For details of all variables collected by HIPE see HIPE Data Dictionary 2020 Version 12.1. HIPE Data Dictionary 2020 Version 12.1, available at www.hpo.ie

Note: Source:

APPENDIX III: HIPE DATA ENTRY FORM

FIGURE III.1 HIPE Data Entry Form, 01.10.2020¹

| Hospital In-Patient Enquiry (HIPE) Summary Sheet | |
|--|--|
| For use with HIPE on ALL DISCHARGES FROM 01.10.2020 | |
| Patient's Hospital of Discharge Type (priority) of Admission | FOR LOCAL COLLECTION ONLY |
| MRN | Mode *Name: |
| Sex Date of Birth / / If Type=1-2 If Type=1-2 If Type=1-2 | Type=4,3,7 *Address: |
| | <u>b</u> |
| Admission Date / / IF TRANSFER IN: Tick if this a transfer of a non-admitted pa | tient D |
| Admission Time : Duration of con- | tinuous ventilatory support (hours) Cumulative |
| Discharge Date / / Discharge Code Jah-Confirmed | COVID-19 Past or Present |
| Discharge Time: Discharge Code | |
| Area of Residence Admitting Ward | Day Case Day Ward |
| *Eircode Discharge Ward | Day Ward ID |
| Marital /Civil Status | Days in ITU/ICU |
| Transfer to | Where status on discharge is "Private" also enter: Days in Single Occupancy ITU/ICU |
| Temp Leave Days | Days in multiple occupancy ITU/ICU |
| rehab/PDU // | Number of Days by Bed Type: |
| Parity Live Days in a Critical Care Bed | Private Bed Semi Private Bed Public Bed |
| Infant Admit Weight (grams) Discharge Status | Number of Days by Room Type: |
| Intensive Care | Single Room Bed Multiple Room Bed |
| Admitting Consultant Consultant | ischarge Consultant Medical Discharge |
| | pecialty of Discharge / / |
| · | |
| PDX = The diagnosis established after study to be chiefly responsible for occasion | |
| ICD-10-AM Code | ning the patient's episode of care in hospital (ACS 0001) Hospital Acquired Dx Consultant # Specialty |
| ICD-10-AM Code Principal Diagnosis (PDX) | Hospital |
| (1) Principal Diagnosis (PDK) | Hospital Acquired Dx Consultant # Specialty |
| (1) Principal Diagnosis (PDX) | Hospital Acquired Dx Consultant # Specialty |
| (1) Principal Diagnosis (PDIX) | Hospital Acquired Dx Consultant # Specialty |
| ICD-10-AM Code | Hospital Acquired Dx Consultant # Specialty |
| ICD-10-AM Code | Hospital Acquired Dx Consultant # Specialty |
| ICD-10-AM Code | Hospital Acquired Dx Consultant # Specialty |
| ICD-10-AM Code | Hospital Acquired Dx Consultant # Specialty |
| ICD-10-AM Code | Hospital Acquired Dx Consultant # Specialty |
| ICD-10-AM Code | Pounts Pou |
| ICD-10-AM Code | Hospital Acquired Dx Consultant # Specialty |
| ICD-10-AM Code | Houpital Acquired Dx Consultant # Specialty |
| ICD-10-AM Code | Houpital Acquired Dx Consultant # Specialty |
| ICD-10-AM Code | Houpital Acquired Dx Consultant # Specialty |
| ICD-10-AM Code | Houpital Acquired Dx Consultant # Specialty |
| 1 | Houpital Acquired Dx Consultant # Specialty |
| 1 | Hospital Acquired Dx Consultant # Specialty |
| 1 | Hospital Acquired Dx Consultant # Specialty |

Source: Healthcare Pricing Office

Please note the HIPE data entry form was updated at the start of October 2020 for the collection of the Lab – Confirmed COVID-19 Past or Present variable. Prior to October, all other variables shown were collected in 2020.

APPENDIX IV: DERIVED VARIABLES

For some of the categorical administrative variables, aggregation of categories has been necessary to ensure confidentiality. Table IV.1 shows how the categories for these variables have been aggregated. For example, the admission type variables have been reduced from six categories to three categories.

TABLE IV.1 Derived Variables

Note:

| шы | Variable | Doring | d Variable for Benert |
|----------|--|--------|--|
| | Variable | Derive | d Variable for Report |
| | ission Type | 1 | JEL 1: 1/4 2) |
| 1 | 'Elective' | 1 | 'Elective' (1, 2) |
| 2 | 'Elective Readmission' | 2 | 'Emergency' (4, 5, 7) |
| 4 | 'Emergency' | 3 | 'Maternity' (6) |
| 5 | 'Emergency Readmission' | | |
| 6 | 'Maternity' | | |
| 7 | 'New born' | | |
| | ission Source | | |
| 1 | 'Home' | 1 | 'Home' (1) |
| 2 | 'Transfer from nursing home/convalescent home or | 2 | Long stay accommodation (2, 5) |
| | other long stay accommodation' | | |
| 3 | 'Transfer of admitted or non-admitted patient from | 3 | 'Transfer from other hospital' (3,4,6) |
| | hospital or Covid -19 facility in hospital code list or | | |
| | transfer from any acute hospital not specified in hospital | | |
| | code listing' | | |
| 4 | 'Transfer from non-acute hospital' | 4 | 'Other' (7, 8, 9, 0) |
| 5 | 'Transfer from hospice' | | |
| 6 | 'Transfer from psychiatric hospital/unit' | | |
| 7 | 'New born' | | |
| 8 | 'Temporary place of residence' | | |
| 9 | 'Prison' | | |
| 0 | 'Other' | | |
| | harge Destination | | |
| 00 | 'Self discharge' | 1 | 'Home' (01) |
| 01 | 'Home' | 2 | 'Long stay accommodation' (02, 11) |
| 02 | 'Nursing home, convalescent home or long stay accommodation' | 3 | 'Transfer to other hospital' (03, 04, 05,08, 09, 10) |
| 03 | 'Emergency transfer to hospital in hospital code listing or transfer to <i>any</i> <u>acute</u> hospital not specified in hospital | 4 | 'Died' (06, 07) |
| 0.4 | code listing' | _ | 1011 1/00 42 42 44 45) |
| 04 | 'Non Emergency transfer to hospital in hospital code listing, or Covid-19 facility, or transfer to any acute | 5 | 'Other' (00, 12, 13, 14, 15) |
| OΓ | hospital not specified in hospital code listing' 'Transfer to psychiatric hospital/unit' | | |
| 05 06 | . , | | |
| 06 | 'Died no nost mortem' | | |
| | 'Died no post mortem' | | |
| 08 | 'Emergency transfer to non-acute hospital' | | |
| 09 | 'Non Emergency transfer to non-acute hospital' | | |
| 10 11 | 'Transfer to rehabilitation facility' 'Hospice' | | |
| | Prison' | | |
| 12 | | | |
| 13 | 'Absconded' | | |
| 1 / | | | |
| 14 15 | 'Other (e.g. Foster care)' 'Temporary Place of Residence' | | |

For further information on all variables collected by HIPE see HIPE Data Dictionary 2020 Version 12.1 available at www.hpo.ie

APPENDIX V: AUSTRALIAN CODING STANDARD 0042

Australian Coding Standard 0042 Procedures normally not coded²

These procedures are normally not coded because they are usually routine in nature, performed for most patients and/or can occur multiple times during an episode. Most importantly, the resources used to perform these procedures are often reflected in the diagnosis or in an associated procedure. That is, for a particular diagnosis or procedure there is a standard treatment which is unnecessary to code. For example:

- X-ray and application of plaster is expected with a diagnosis of Colles' fracture
- Intravenous antibiotics are expected with a diagnosis of septicaemia/sepsis
- Cardioplegia in cardiac surgery is performed routinely

Note:

- Some codes on this list may be required in certain standards elsewhere in the Australian Coding Standards. In such cases, the standard overrides this list and the stated code should therefore be assigned as described in the relevant standard.
- The listed procedures should be coded if cerebral anaesthesia is required in order for the procedure to be performed (see ACS 0031 *Anaesthesia*).
- These procedures should be coded if they are the principal reason for admission in same-day episodes of care. This includes patients who are admitted the day before or discharged on the day after a procedure because a same-day admission is not possible or practicable for them (e.g. elderly patients, those who live in remote locations).
- Application of plaster
- 2. Bladder washout via indwelling catheter

Exception(s): code:

- endoscopic irrigation for removal of blood clot (36842-00 [1092])
- endoscopically controlled hydrodilation of bladder (36827-00 [1108])
- 3. Cardiopulmonary resuscitation (mechanical or non-mechanical)
- 4. Cardiotocography (CTG) except internal fetal monitoring (eg fetal scalp

Australian Consortium for Classification Development (ACCD) 2017. The International Statistical Classification of Diseases and Related Health Problems, Tenth Revision, Australian Modification (ICD-10-AM), and Australian Classification of Health Interventions (ACHI) and Australian Coding Standards (ACS) – ICD-10-AM/ACHI/ACS (10th Ed)- Adelaide: Independent Hospital Pricing Authority (IHPA), Lane Publishing.

electrodes) (16514-00 [1341])

- **5.** Catheterisation:
 - arterial or venous (such as Hickman's, PICC, CVC, Swan Ganz)
 except cardiac catheterisation (blocks [667] and [668]), surgical
 catheterisation (block [741]) or catheterisation in neonates (see
 ACS 1615 Specific diseases and interventions related to the sick
 neonate)
 - urinary except if suprapubic
- 6. Doppler recordings
- 7. Dressings (eg autologous platelet-rich plasma (PRP) dressing), except vacuum (VAC) dressings (90686-01 [1628], 90686-00 [1627])
- 8. Drug treatment/pharmacotherapy/prescription of drugs (eg parental nutrition (TPN))

Drug treatment should not be coded except if:

- the substance is given as the principal treatment in same-day episodes of care
- drug treatment is specifically addressed in a coding standard (see ACS 0044 Chemotherapy, ACS 0534 Specific interventions related to mental health care services, ACS 0943 Thrombolytic therapy, ACS 1316 Cement spacer/beads and ACS 1615 Specific diseases and interventions related to the sick neonate)
- 9. Electrocardiography (ECG) except patient-activated implantable cardiac event monitoring (loop recorder) (11722-00 [1854])
- **10.** Electromyography (EMG)
- 11. Imaging services all codes in ACHI Chapter 20 *Imaging services* and block [451] *Dental radiological examination and interpretation* except:
 - endoscopic ultrasound (EUS) (30688-00 [1949])
 - transoesophageal echocardiogram (TOE) (55118-00 [1942])
- Monitoring: cardiac, electroencephalography (EEG), vascular pressure except radiographic/video EEG monitoring ≥ 24 hours (92011-00 [1825])
- 13. Nasogastric intubation, aspiration and feeding, except nasogastric feeding in neonates (96202-07 [1920]) (see ACS 1615 Specific diseases and interventions related to the sick neonate)
- 14. Primary suture of surgical and traumatic wounds
 Code only for traumatic wounds which are not associated with an
 underlying injury (see ACS 1217 Repair of wound of skin and
 subcutaneous tissue)
- **15.** Stress test
- **16.** Traction if associated with another procedure

Previously published reports can be downloaded at www.hpo.ie.

Documentation relating to the operation of the HIPE scheme as outlined below is available online at www.hpo.ie.

- Coding Notes: This quarterly bulletin is distributed to all coders nationally. It contains important updates on coding queries, changes in coding practice and any other relevant information including the scheduling of training courses.
- HIPE Data Dictionary: This dictionary provides definitions and codes for data collected within HIPE as of a specified year (e.g. 2020 relates to discharges reported for 2020). It provides standard definitions for variables with the objective of ensuring that consistency and data quality are maintained.
- HIPE Instruction Manual: This manual which is updated annually provides instruction on the capture of administrative and demographic data for each HIPE discharge record. Clinical data are captured in accordance with the classification and associated standards.

Irish Coding Standards: Irish Coding Standards (ICS), which are updated annually, apply to activity coded in HIPE and provide guidance and instruction on all aspects of HIPE data collection by addressing issues relevant to the Irish hospital setting. ICS are developed to complement the Australian Coding Standards (ACS) and are revised regularly to reflect changing clinical practice.

APPENDIX VII: OVERVIEW OF CHANGES FROM 8TH EDITION TO 10TH EDITION ICD-10-AM/ACHI/ACS

VII.1 Introduction

Ireland updated to the 10th edition of ICD-10-AM/ACHI/ACS for all discharges from 1st January 2020. For practical reasons Ireland does not update each time the classification is updated in Australia therefore on this occasion Ireland has adopted updates from both the 9th and the 10th Edition of ICD-10-AM/ACHI/ACS. Extensive training on the update to 10th edition ICD-10-AM/ACHI/ACS was held for all HIPE staff throughout the country in a series of regional training workshops in 2019. Additional training on the update was also held in 2020.

A summary of the changes from the 8^{th} edition to the 10^{th} edition are outlined below.

• Number of codes in 10th Edition

Number of valid disease codes: 16,953 Number of ACHI Codes: 6,248

Number of codes added and removed

| Code Set | Added | Removed |
|-----------------------------|-------|---------|
| Diagnosis from 8th to 10th | 363 | 78 |
| Procedures from 8th to 10th | 178 | 317 |

Number of Australian Coding Standards added and deleted

17 New ACS

36 Deleted ACS

The following lists include the areas in the classification and coding standards where the main changes occurred with some detail provided for illustration. For example, in 10th edition there were major changes to the coding of Obstetrics in terms of diagnosis codes, procedure codes and coding guidelines; also changes to the coding guidelines for Rehabilitation will impact the sequencing of codes. This is not an exhaustive list and if further details are required, these are available on application to the HPO.

VII.2 Main Changes in ICD-10-AM/ACHI/ACS 10th edition

ICD-10-AM Diagnoses

Obstetrics

- There were extensive changes to the coding of diagnoses in Obstetrics.
- Examples of changes:
 - The term complicating pregnancy has been replaced by in pregnancy particularly for conditions not exclusive to the pregnant state—that is, non-obstetric conditions.
- Many of the changes provide clarification for clinical coders.
 - Example: O24.0 Pre-existing diabetes mellitus, type 1, in pregnancy now contains an instructional note; code also diabetes mellitus (E10.-). Therefore, an appropriate code from E10 Type 1 diabetes mellitus must be assigned with O24.0 Pre-existing diabetes mellitus, Type 1, in pregnancy to indicate the severity of the type 1 diabetes, including E10.9 Type 1 diabetes mellitus without complication if the pregnant patient does not have a diabetes complication.
- Removal of Excludes notes that support single condition coding rather than multiple condition coding.
- Some four character codes have been removed and there is addition of a *Code also* instruction at the 3-character code.
 - Example: O10 *Pre-existing hypertension in pregnancy, childbirth and the puerperium* is now a standalone code and is followed by an instructional note; *Code also specific type of hypertension* (I10 I15), *if known*.

Procedural complications

- There are 160 new codes added throughout the classification for the coding of procedural complications in addition to amendments in existing codes and code titles and changes in the terminology.
- Sepsis
- Cystic fibrosis
- Chronic pain
- Pressure injuries
- Rehabilitation
 - o ACS 2104 Rehabilitation
 - Amended sequencing of rehabilitation to additional diagnosis position
 - Z50.9 Care involving use of rehabilitation procedure, unspecified should never be assigned as a principal diagnosis.
 For admitted episodes of rehabilitation care, the principal diagnosis should reflect the underlying condition requiring rehabilitation (see ACS 0001 Principal diagnosis).
- Same day endoscopies
- Allergen Challenges

ACHI Procedures

- Ophthalmology interventions
 - Extensive revision of codes and code titles for ophthalmology procedures
 - Codes with similar procedural concepts have been combined into a single code
 - Certain codes have been deleted as the procedural concepts are already present in other codes or due to the low volume of assignment of the codes
 - Addition or amendment of *Instructional* notes
 - Deletion of old terminology e.g. "magnetic" vs "nonmagnetic"
 - Amendment of code titles for consistency within the classification
 - Review of cataract procedure codes in blocks [193] to [201] revealed that the codes were overly granular with many overlapping concepts
 - Coding of cataract procedures will now require a code from block [200] Extraction of crystalline lens to specify the type of lens extraction and assignment of a code from block [193] Insertion of intraocular prosthesis to specify the lens insertion

Obstetrics

- Block 1336 Spontaneous vertex delivery: Previously this code was not required for all spontaneous vertex deliveries as the delivery was assumed to be normal when there is an absence of procedure codes for interventions such as Caesarean Section etc. This has been updated and this code is now required for all spontaneous vertex deliveries.
- Caesarean Section: Change in guidance on when to assign emergency and elective caesarean section codes. Note added at block 1340 to state that assignment of emergency or elective caesarean section is based on documentation of these terms in the clinical record.
- Cardiovascular interventions
- Ventilatory support
- Respiratory interventions e.g. bronchoscopy

Australian Coding Standards (ACS)

- Revision of conventions e.g. code also notes
- ACS 0042 Procedures normally not coded
- ACS 0002 Additional Diagnoses
- ACS 0943 Thrombolytic Therapy
- Obstetrics:
 - 3 new Australian Coding Standards
 - ACS 1500 Diagnosis sequencing in delivery episodes of care

- ACS 1505 Delivery and assisted delivery codes
 - Provides guidelines regarding the assignment of ACHI delivery (or other) intervention codes with O80-O84 Delivery
 - This standard requires a corresponding ACHI code to be assigned for <u>all</u> episodes of delivery.
- ACS 1552 Premature rupture of membranes, labour delayed by therapy
- o 15 Australian Coding Standards have been deleted
 - The guidelines are now included within the classification or within the general Australian Coding Standards.
- 4 Australian Coding Standards have undergone major changes
 - ACS 1506 Fetal presentation, disproportion and abnormality of maternal pelvic organs
 - ACS 1511 Termination of pregnancy
 - ACS 1521 Conditions and injuries in pregnancy
 - ACS 1548 Puerperal/Postpartum condition or complication
- ACS 1904 Procedural Complications
 - Extensive revision of coding guidance in ACS 1904 Procedural complications including:
 - Clarification on qualifying terms
 - Intraoperative/postoperative medical conditions
 - Causal relationship must be clearly documented
 - Examples of common conditions listed
 - Routine postoperative care
 - Care beyond routine
 - New flow chart
 - 29 coding examples

Irish Coding Standards (ICS 2020 V1)

Five new Irish Coding Standards:

- ICS 0003 Supplementary codes for chronic conditions supplementary codes for chronic conditions will not be collected in Ireland.
- ICS 0049 Disease codes that must never be assigned code R65.0 SIRS of infectious origin without acute organ failure can be assigned in Ireland in accordance with ICS 0110 SIRS, Sepsis, Severe Sepsis and Septic Shock.
- ICS 0110 SIRS, Sepsis, Severe Sepsis and Septic Shock provides guidance on the coding of SIRS in Ireland in 10th edition.
- ICS 2116 Palliative Care palliative care has been moved to Chapter 21 in 10th edition and also the content of the standard has changed. Palliative care can only be coded when there is documented evidence that the patient has been provided with palliative care.

- ICS 22X1 Vaping Related Disorder advice issued by the WHO/IHPA instructs that code U07.0 Emergency Use of U07.0 be used when there is documentation of vaping related disorders.
- Additionally, 3 Irish coding standards were updated and 4 were deleted.

COVID-19

ICD-10-AM diagnosis codes were introduced during 2020 following instruction from the WHO and IHPA. Initially code U07.1 *Emergency use of U07.1 (COVID-19 Virus identified)* was introduced to capture cases with laboratory confirmed COVID-19. The codes and associated guidance for capturing COVID-19 data expanded throughout the year.

The following resources relating to COVID-19 are available in the 2021 Irish Coding Standards (available at www.hpo.ie).

- ICS 22X2 Novel Coronavirus (COVID-19)
- Supplementary Guidance for classifying COVID-19
- HPO Coding Advisory: Unspecified pneumonia in COVID-19 cases
- Guidelines for Administrative Data: XII. Laboratory Confirmed COVID 19 Past or Present – Flag

The following resources relating to COVID-19 are also available.

- HPO's quarterly newsletter: Coding Notes see articles in Coding Notes on COVID-19 (available at www.hpo.ie)
- Independent Hospital Pricing Authority (IHPA) COVID-19 Guidance (available at https://www.ihpa.gov.au/what-we-do/how-to-classify-covid-19)
- WHO classification of COVID-19 https://www.who.int/standards/classifications/classification-ofdiseases/emergency-use-icd-codes-for-covid-19-disease-outbreak

APPENDIX VIII: OVERVIEW OF CHANGES BETWEEN VERSION 6.0 AND VERSION 8.0 OF THE AR-DRG CLASSIFICATION SYSTEM

VIII.1 Introduction

Ireland updated to Version 8.0 of the Australian Refined Diagnosis Related Group (AR-DRG) classification system in 2015.³ A number of changes took place during this update; the largest change was the complete revision of the case complexity methodology within the AR-DRG classification.⁴ This appendix gives a brief outline of the major changes in AR-DRG Version 8.0 compared to Version 6.0.

VIII.2 Summary

VIII.2.1 Revision of ADRG Splitting

The number of Diagnosis Related Groups (DRGs) has increased from 698 in AR-DRG Version 6.0 to 807 in AR-DRG Version 8.0, while the number of Adjacent Diagnosis Related Groups (ADRGs) has increased from 399 in AR-DRG Version 6.0 to 406 in AR-DRG Version 8.0.

In AR-DRG Version 8.0, 14 ADRGs were added and 7 ADRGs were removed; while 194 splits were added and 22 splits were removed. Table VIII.1 outlines the increase in splits in AR-DRG Version 8.0 compared to AR-DRG Version 6.0. This increase results in greater granularity in AR-DRG Version 8.0.

TABLE VIII.1 Changes in ADRG splits

| ADRG Splitting | Number of ADRGs | | |
|-----------------------|-----------------|-------------|--|
| | Version 6.0 | Version 8.0 | |
| No Split (Z) | 156 | 85 | |
| Two Levels (A,B) | 192 | 246 | |
| Three Levels (A,B,C) | 46 | 70 | |
| Four Levels (A,B,C,D) | 5 | 5 | |
| Total ADRGs | 399 | 406 | |

³ AR-DRG Version 8.0 was first reported on in the HIPE Annual Report in 2016.

Further information on AR-DRG Version 8.0 can be found on the IHPA website https://www.ihpa.gov.au/publications/ar-drg-version-80 [Accessed 19th October 2021].

VIII.2.2 ADRGs Added and Removed in Version 8.0 of the AR-DRG Classification System

There were 14 ADRGs added in AR-DRG Version 8.0 (see Table VIII.2). These include a number of musculoskeletal codes, bariatric codes, neonate codes, alcohol and drug sameday, and sleep disorders.

TABLE VIII.2 ADRGs Added in Version 8.0 of the AR-DRG Classification System

| ADRG | ADRG Description |
|------|--|
| 140 | Infusions for Musculoskeletal Disorders, Sameday |
| 180 | Femoral Fractures, Transferred to Acute Facility <2 Days |
| I81 | Musculoskeletal Injuries, Sameday |
| 182 | Other Sameday Treatment for Musculoskeletal Disorders |
| K10 | Revisional and Open Bariatric Procedures |
| K11 | Major Laparoscopic Bariatric Procedures |
| K12 | Other Bariatric Procedures |
| K13 | Plastic OR Procedures for Endocrine, Nutritional and Metabolic Disorders |
| P07 | Neonate, AdmWt <750g W Significant OR Procedure |
| P08 | Neonate, AdmWt 750-999g W Significant OR Procedure |
| P68 | Neonate, AdmWt >=2500g W/O Sig OR Proc/Vent>=96hrs, >=37 Completed Wks Gestation |
| V65 | Treatment for Alcohol Disorders, Sameday |
| V66 | Treatment for Drug Disorders, Sameday |
| Z66 | Sleep Disorders |

There were 7 ADRGs removed in AR-DRG Version 8.0 (see Table VIII.3). These include peptic ulcer codes, obesity procedures, false labour, radiotherapy, and HIV, sameday. Some of the cases previously grouped to these DRGs have grouped to pre-existing DRGs, while some have grouped to new DRGs. For example, all cases previously grouped to R64 Radiotherapy have grouped to R62 Other Neoplastic Disorders in AR-DRG Version 8.0; the majority of these have grouped to R62C Other Neoplastic Disorders, Minor Complexity.

TABLE VIII.3 ADRGs Removed in Version 8.0 of the AR-DRG Classification System

| ADRG | ADRG Description |
|------|------------------------------|
| G62 | Complicated Peptic Ulcer |
| G63 | Uncomplicated Peptic Ulcer |
| K04 | Major Procedures for Obesity |
| K07 | Obesity Procedures |
| 064 | False Labour |
| R64 | Radiotherapy |
| S60 | HIV, Sameday |

VIII.2.3 Naming Convention of AR-DRGs

The terminology used to name AR-DRGs has been updated. The descriptive terms mild, moderate, severe and catastrophic CC have been replaced with minor, intermediate, major and extreme complexity. An example of this is shown in Table VIII.4 below which compares the naming of ADRG B02 *Cranial Procedures* in both versions of the classification system.

TABLE VIII.4 Example of change in naming convention between AR-DRG Version 6.0 and Version 8.0

| Version 6.0 | Version 8.0 |
|---|--|
| B02A Cranial Procedures W Catastrophic CC | B02A Cranial Procedures, Major Complexity |
| B02B Cranial Procedures W Severe CC | B02B Cranial Procedures, Intermediate Complexity |
| B02C Cranial Procedures W/O Catastrophic or Severe CC | B02C Cranial Procedures, Minor Complexity |

VIII.2.3 Changes in Complexity Split

All AR-DRG splits have been revised using the Episode Clinical Complexity (ECC) Model.⁵ As a result, an ADRG may have the same description in both versions but may have different DRG splits. For example, O60 *Vaginal Delivery* is present in both Version 6.0 and Version 8.0, with a different number of splits in each. AR-DRG Version 6.0 has no split (O60Z *Vaginal Delivery*) whereas AR-DRG Version 8.0 has three end classes:

- O60A Vaginal Delivery, Major Complexity
- O60B Vaginal Delivery, Intermediate Complexity
- O60C Vaginal Delivery, Minor Complexity

Further information on the ECC Model in AR-DRG Version 8.0 can be found at https://www.ihpa.gov.au/sites/g/files/net636/f/publications/review_of_the_ar-drg_case_complexity_process.pdf [Accessed 26th July 2018]

Healthcare Pricing Office (HPO) Brunel Building Heuston South Quarter Dublin 8 D08 X01F Ireland www.hpo.ie

ISBN: 978-1-78602-187-8



