

INFORMATION
ANALYSIS
DIRECTORATE



Hospital Statistics:

Acute Episode-Based Activity 2017/18

Volume 1: Specialty

Published 17th October 2018

Revised 20th February 2020



Department of
Health

An Roinn Sláinte

Mánnystrie O Poustie

www.health-ni.gov.uk



NISRA

Northern Ireland
Statistics and Research Agency

Gníomhaireacht Thuaisceart Éireann
um Staitisticí agus Taighde

Reader Information

Purpose	<p>This publication presents information on acute, episode-based activity at Health and Social Care Trusts in Northern Ireland during the year ending 31 March 2018. It details key information on all activity and provides a breakdown of activity by specialty.</p> <p>The data contained in this publication have been compiled from the Hospital Inpatient System (HIS), introduced from 1st April 2009.</p> <p>Data detailed in this publication are available in spreadsheet format (Microsoft Excel) to aid secondary analysis, at the link https://www.health-ni.gov.uk/publications/acute-episode-based-activity-downloadable-data-201718</p> <p>Explanatory notes and a glossary of terms are available from the link https://www.health-ni.gov.uk/publications/explanatory-notes-and-technical-guidance-acute-episode-based-activity</p>
Authors	Sally Pattison, Seán Mallon, Siobhán Morgan
Publication Date	17 th October 2018 (Revised 20 th February 2020 – see page 11)
Reporting Period	1 st April 2017 to 31 st March 2018
Issued By	Hospital Information Branch Information & Analysis Directorate Department of Health Stormont Estate, Belfast, BT4 3SQ
Statistician	Sally Pattison (028) 9052 2684
Email	sally.pattison@health-ni.gov.uk
Statistical Quality	Information detailed in this release has been quality assured with HSC Trusts prior to release.
Target Audience	DoH, Chief Executives of HSC Board and HSC Trusts in Northern Ireland, healthcare professionals, academics, media, general public and other Health & Social Care stakeholders.
Further copies from	statistics@health-ni.gov.uk
Internet address	https://www.health-ni.gov.uk/topics/doh-statistics-and-research
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Headline Figures

Finished Consultant Episodes (FCEs)

	Count	Proportion
Total	658,876*	100.0 %
<i>Proportion of the above episodes with a procedure or intervention</i>		64.7 %
Day Cases	189,189	28.7 %
<i>Proportion of the above episodes with a procedure or intervention</i>		94.2 %
Inpatients	350,531	53.2 %
<i>Proportion of the above episodes with a procedure or intervention</i>		37.4 %
Regular Day / Night Attenders	119,156*	18.1 %
<i>Proportion of the above episodes with a procedure or intervention</i>		98.4 %
Patient's Age		
0-4 (includes babies born in hospital)	27,905	4.2 %
5-14	21,021	3.2 %
15-44	112,160	17.0 %
45-64	187,510*	28.5 %
65-74	131,528	19.9 %
75-84	124,591*	18.9 %
85 & Over	54,161	8.2 %

Days

Average length of stay per inpatient FCE (days)

3.3

Admissions

	Count	Proportion
Total	536,690*	100.0 %
Day Cases	189,057	35.2 %
Inpatients	228,912	42.6 %
Regular Day / Night Attenders	118,721*	22.2 %
Patient's Age		
0-4 (includes babies born in hospital)	26,253	4.9 %
5-14	20,605	3.8 %
15-44	94,703	17.6 %
45-64	157,564*	29.4 %
65-74	107,316	20.0 %
75-84	95,560*	17.8 %
85 & Over	34,689	6.5 %

Days

Average length of stay per inpatient admission

5.1

Discharge Episodes

	Count	Proportion
Waiting List (including booked)	171,440	31.9 %
Planned (deferred for medical and social reasons)	182,610*	34.1 %
Emergency	161,608	30.1 %
Others (including Maternity and births)	21,032	3.9 %

Explanatory notes and a glossary of terms are available from the link

<https://www.health-ni.gov.uk/publications/explanatory-notes-and-technical-guidance-acute-episode-based-activity>

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Table 1: Finished Consultant Episodes (FCEs), Admissions and FCE Duration by Specialty

Specialty		Finished Episodes	Admissions	Episode Duration		Total Bed Days
Code	Name			Mean	Median	
100	General Surgery	76,089	62,924	2.2	1	166,284
101	Urology	28,918	27,509	0.9	0	25,180
110	T&O	25,623	21,189	4.1	2	104,884
120	ENT	13,012	12,709	1.0	0	13,207
130	Ophthalmology	15,155	15,056	0.1	0	2,090
140	Oral Surgery	3,800	3,711	0.7	0	2,622
141	Restorative Dentistry	286	286	0.0	0	<5
142	Paediatric Dentistry	340	340	0.1	0	17
150	Neurosurgery	2,549	1,805	5.2	3	13,358
160	Plastic Surgery	5,677	5,451	1.3	0	7,357
170	Cardiac Surgery	1,153	1,009	10.4	8	11,969
171	Paediatric Surgery	1,939	1,845	1.4	0	2,735
172	Thoracic Surgery	1,358	1,188	3.7	2	5,014
180	A&E	16,629	13,629	0.5	0	7,536
190	Anaesthetics	1,908	1,161	3.9	1	7,356
191	Pain Management	4,371	4,369	0.0	0	<5
300	General Medicine	146,649	82,785	2.5	1	366,008
301	Gastroenterology	38,784	30,948	1.0	0	39,729
302	Endocrinology	3,394	1,588	2.7	1	9,042
303	Haematology Clinical	25,913	24,583	1.2	0	31,222
314	Rehabilitation	1,877	1,818	11.5	0	21,560
315	Palliative Medicine	734	359	10.2	5	7,483
320	Cardiology	32,008	26,294	2.1	0	65,813
330	Dermatology	6,255	6,249	0.1	0	590
340	Thoracic Medicine	20,643	10,392	3.7	1	76,980
350	Infectious Diseases	149	104	10.9	5	1,623
360	Genito-urinary Medicine	45	26	13.0	6	584
361	Nephrology	93,856*	90,361*	0.3	0	28,019
370	Medical Oncology	11,050	11,012	0.8	0	8,689
400	Neurology	4,173	3,816	5.0	0	21,045
410	Rheumatology	4,562	4,499	0.9	0	4,175
420	Paediatrics	27,740	26,180	2.2	1	60,886
421	Paediatric Neurology	504	471	3.5	0	1,750
502	Gynaecology	16,266	15,767	1.2	0	19,203
620	General Practice Other	6,449	6,443	4.6	0	29,532
800	Clinical Oncology	18,599	18,395	0.8	0	15,419
810	Radiology	419	419	0.0	0	<5
999	Other					

Additional information on the data can be found in the Explanatory Notes, available from the website <https://www.health-ni.gov.uk/publications/explanatory-notes-and-technical-guidance-acute-episode-based-activity>

Table 2: Finished Consultant Episodes by Specialty and Gender

Specialty		Finished Episodes	Male	Female	Gender Not Specified
Code	Name				
100	General Surgery	76,089	36,821	39,264	<5
101	Urology	28,918	19,653	9,265	-
110	T&O	25,623	12,167	13,455	<5
120	ENT	13,012	6,915	6,096	<5
130	Ophthalmology	15,155	7,131	8,024	-
140	Oral Surgery	3,800	2,087	1,711	<5
141	Restorative Dentistry	286	153	133	-
142	Paediatric Dentistry	340	209	131	-
150	Neurosurgery	2,549	1,333	1,216	-
160	Plastic Surgery	5,677	3,443	2,234	-
170	Cardiac Surgery	1,153	793	360	-
171	Paediatric Surgery	1,939	1,466	473	-
172	Thoracic Surgery	1,358	775	583	-
180	A&E	16,629	8,072	8,554	<5
190	Anaesthetics	1,908	1,152	756	-
191	Pain Management	4,371	1,695	2,676	-
300	General Medicine	146,649	68,885	77,763	<5
301	Gastroenterology	38,784	19,726	19,058	-
302	Endocrinology	3,394	1,607	1,787	-
303	Haematology Clinical	25,913	15,052	10,861	-
314	Rehabilitation	1,877	1,069	808	-
315	Palliative Medicine	734	365	369	-
320	Cardiology	32,008	19,709	12,298	<5
330	Dermatology	6,255	2,177	4,078	-
340	Thoracic Medicine	20,643	9,469	11,174	-
350	Infectious Diseases	149	88	61	-
360	Genito-urinary Medicine	45	29	16	-
361	Nephrology	93,856*	57,163*	36,693*	-
370	Medical Oncology	11,050	4,792	6,258	-
400	Neurology	4,173	1,609	2,564	-
410	Rheumatology	4,562	1,472	3,090	-
420	Paediatrics	27,740	15,237	12,499	<5
421	Paediatric Neurology	504	286	218	-
502	Gynaecology	16,266	<5	16,262	-
620	General Practice Other	6,449	3,201	3,248	-
800	Clinical Oncology	18,599	6,532	12,067	-
810	Radiology	419	211	208	-
999	Other				

Additional information on the data can be found in the Explanatory Notes, available from the website <https://www.health-ni.gov.uk/publications/explanatory-notes-and-technical-guidance-acute-episode-based-activity>

Table 3: Finished Consultant Episodes by Specialty and Admission Method

Specialty		Finished Episodes	Emergency	Waiting List	Planned	Other
Code	Name					
100	General Surgery	76,089	34,189	34,697	4,926	2,277
101	Urology	28,918	3,295	17,639	7,196	788
110	T&O	25,623	10,202	11,159	2,007	2,255
120	ENT	13,012	2,517	9,731	470	294
130	Ophthalmology	15,155	403	13,300	1,421	31
140	Oral Surgery	3,800	436	3,027	113	224
141	Restorative Dentistry	286	-	285	<5	-
142	Paediatric Dentistry	340	-	339	<5	-
150	Neurosurgery	2,549	963	682	472	432
160	Plastic Surgery	5,677	1,362	3,536	200	579
170	Cardiac Surgery	1,153	171	901	19	62
171	Paediatric Surgery	1,939	481	1,244	95	119
172	Thoracic Surgery	1,358	226	775	260	97
180	A&E	16,629	14,535	2,039	-	55
190	Anaesthetics	1,908	1,349	170	67	322
191	Pain Management	4,371	<5	3,220	1,150	-
300	General Medicine	146,649	119,475	15,662	7,245	4,267
301	Gastroenterology	38,784	11,353	15,704	10,664	1,063
302	Endocrinology	3,394	3,003	246	78	67
303	Haematology Clinical	25,913	2,271	2,290	20,332	1,020
314	Rehabilitation	1,877	27	58	1,100	692
315	Palliative Medicine	734	468	56	102	108
320	Cardiology	32,008	17,216	8,364	1,792	4,636
330	Dermatology	6,255	19	3,505	2,721	10
340	Thoracic Medicine	20,643	17,658	1,698	434	853
350	Infectious Diseases	149	131	<5	8	9
360	Genito-urinary Medicine	45	26	<5	<5	11
361	Nephrology	93,856*	2,397	1,402	88,690*	1,367
370	Medical Oncology	11,050	381	252	9,636	781
400	Neurology	4,173	536	1,120	2,382	135
410	Rheumatology	4,562	109	1,903	2,452	98
420	Paediatrics	27,740	21,072	803	1,430	4,435
421	Paediatric Neurology	504	115	239	83	67
502	Gynaecology	16,266	3,194	12,176	661	235
620	General Practice Other	6,449	77	5,109	138	1,125
800	Clinical Oncology	18,599	729	933	16,297	640
810	Radiology	419	-	274	145	-
999	Other					

Additional information on the data can be found in the Explanatory Notes, available from the website <https://www.health-ni.gov.uk/publications/explanatory-notes-and-technical-guidance-acute-episode-based-activity>

Table 4: Finished Consultant Episodes by Specialty and Age Group

Specialty		Finished Episodes	Mean Age	Age								
Code	Name			0-9	10-19	20-29	30-39	40-49	50-59	60-69	70-79	80+
100	General Surgery	76,089	56	675	2,764	5,359	7,661	10,372	13,302	13,799	13,410	8,747
101	Urology	28,918	63	21	383	1,102	1,751	2,831	4,575	6,485	7,337	4,433
110	T&O	25,623	55	1,325	1,699	1,726	1,965	2,563	3,722	4,017	4,393	4,213
120	ENT	13,012	34	3,356	1,822	1,256	1,205	1,115	1,421	1,288	1,023	526
130	Ophthalmology	15,155	67	347	181	276	493	834	1,702	2,942	4,682	3,698
140	Oral Surgery	3,800	41	447	533	531	408	374	429	392	383	303
141	Restorative Dentistry	286	44	-	40	53	43	43	40	16	32	19
142	Paediatric Dentistry	340	8	224	116	-	-	-	-	-	-	-
150	Neurosurgery	2,549	46	208	167	167	280	421	510	509	223	64
160	Plastic Surgery	5,677	49	626	392	500	579	584	690	663	788	855
170	Cardiac Surgery	1,153	66	-	6	21	26	64	151	377	430	78
171	Paediatric Surgery	1,939	5	1,500	439	-	-	-	-	-	-	-
172	Thoracic Surgery	1,358	59	-	24	84	113	117	236	360	322	102
180	A&E	16,629	49	5	1,063	2,578	2,586	2,456	2,645	1,921	1,662	1,713
190	Anaesthetics	1,908	55	147	49	92	148	209	284	319	444	216
191	Pain Management	4,371	57	-	6	84	415	853	1,196	904	657	256
300	General Medicine	146,649	65	30	2,673	6,591	8,842	11,914	19,161	24,579	32,636	40,223
301	Gastroenterology	38,784	60	-	583	2,272	3,036	4,567	7,583	7,999	7,636	5,108
302	Endocrinology	3,394	57	-	117	297	413	445	551	469	527	575
303	Haematology Clinical	25,913	61	1,016	454	873	812	1,806	3,810	6,845	7,096	3,201
314	Rehabilitation	1,877	60	-	39	130	125	233	397	347	219	387
315	Palliative Medicine	734	71	-	-	<5	<5	35	114	144	225	210
320	Cardiology	32,008	65	294	397	674	996	2,357	5,466	7,337	8,524	5,963
330	Dermatology	6,255	49	155	465	1,030	895	786	716	627	878	703
340	Thoracic Medicine	20,643	68	-	166	560	768	1,077	2,428	4,307	5,951	5,386
350	Infectious Diseases	149	57	-	<5	12	16	19	26	29	27	18
360	Genito-urinary Medicine	45	43	-	-	5	14	13	10	<5	-	-
361	Nephrology	93,856*	67	192	670	1,581	3,003	6,817	12,343*	17,639*	29,668*	21,943*
370	Medical Oncology	11,050	57	647	232	117	404	922	2,632	3,101	2,585	410
400	Neurology	4,173	49	-	79	445	773	933	878	536	460	69
410	Rheumatology	4,562	56	93	123	106	362	712	1,080	1,050	765	271
420	Paediatrics	27,740	3	24,938	2,794	8	-	-	-	-	-	-
421	Paediatric Neurology	504	6	358	146	-	-	-	-	-	-	-

Specialty		Finished Episodes	Mean Age	Age								
Code	Name			0-9	10-19	20-29	30-39	40-49	50-59	60-69	70-79	80+
502	Gynaecology	16,266	46	6	237	2,095	3,688	4,047	3,075	1,593	1,114	411
620	General Practice Other	6,449	23	4,200	664	77	86	69	140	165	315	733
800	Clinical Oncology	18,599	60	-	23	208	969	2,447	4,921	5,314	4,005	712
810	Radiology	419	42	119	8	22	22	29	57	65	73	24
999	Other											

Additional information on the data can be found in the Explanatory Notes, available from the website <https://www.health-ni.gov.uk/publications/explanatory-notes-and-technical-guidance-acute-episode-based-activity>

Table 5: Finished Consultant Episodes by Specialty – Day Cases and Cases with Zero Bed Days

Specialty Code	Specialty Name	Finished Episodes	Day Cases	Cases with zero bed days §		
				Emergency	Elective	Other
100	General Surgery	76,089	29,920	1,873	1,059	81
101	Urology	28,918	20,048	221	1,299	67
110	T&O	25,623	5,296	455	827	104
120	ENT	13,012	6,416	314	695	40
130	Ophthalmology	15,155	14,023	36	138	5
140	Oral Surgery	3,800	2,607	71	81	33
141	Restorative Dentistry	286	284	-	-	-
142	Paediatric Dentistry	340	325	-	-	-
150	Neurosurgery	2,549	264	9	84	11
160	Plastic Surgery	5,677	2,912	514	134	276
170	Cardiac Surgery	1,153	-	-	11	-
171	Paediatric Surgery	1,939	1,015	84	29	19
172	Thoracic Surgery	1,358	226	5	128	<5
180	A&E	16,629	1,809	6,695	216	14
190	Anaesthetics	1,908	127	102	<5	21
191	Pain Management	4,371	4,364	<5	<5	-
300	General Medicine	146,649	21,014	4,613	247	128
301	Gastroenterology	38,784	25,141	270	73	130
302	Endocrinology	3,394	198	86	<5	<5
303	Haematology Clinical	25,913	12,164	162	9,590	186
314	Rehabilitation	1,877	1,019	-	-	<5
315	Palliative Medicine	734	-	<5	<5	-
320	Cardiology	32,008	5,997	4,620	2,182	1,569
330	Dermatology	6,255	6,174	<5	<5	<5
340	Thoracic Medicine	20,643	1,436	244	24	7
350	Infectious Diseases	149	-	<5	-	-
360	Genito-urinary Medicine	45	-	-	-	-
361	Nephrology	93,856*	1,437	54	73,462*	110
370	Medical Oncology	11,050	1,728	68	7,800	168
400	Neurology	4,173	2,563	<5	18	<5
410	Rheumatology	4,562	3,758	-	81	<5
420	Paediatrics	27,740	1,086	8,102	434	472
421	Paediatric Neurology	504	139	6	113	-
502	Gynaecology	16,266	8,003	477	747	23
620	General Practice Other	6,449	5,106	<5	<5	6
800	Clinical Oncology	18,599	2,196	155	14,459	103
810	Radiology	419	394	-	21	-
999	Other					

§ - In the HIS data, there are a number of episodes that are not recorded as day cases but do not involve an overnight stay and do not result in another episode of care at the same provider. These are referred to as zero bed days. Zero bed days include a number of records which resulted in the death of the patient, or their transfer to another hospital provider; however, the vast majority are recorded as having been discharged from hospital.

Additional information on the data can be found in the Explanatory Notes, available from the website <https://www.health-ni.gov.uk/publications/explanatory-notes-and-technical-guidance-acute-episode-based-activity>

About the Hospital Information Branch (HIB)

Hospital Information Branch is responsible for the collection, quality assurance, analysis and publication of timely and accurate information derived from a wide range of statistical information returns supplied by the Health & Social Care (HSC) Trusts and the HSC Board. Statistical information is collected routinely from a variety of electronic patient level administrative system and pre-defined Excel survey return templates.

The Branch aims to present information in a meaningful way and provide advice on its uses to customers in the HSC Committee, Professional Advisory Groups, policy branches within the DoH, other Health organisations, academia, private sector organisations, charity/voluntary organisations as well as the general public. The statistical information collected is used to contribute to major exercises such as reporting on the performance of the HSC system, other comparative performance exercises, target setting and monitoring, development of service frameworks as well as policy formulation and evaluation. In addition, the information is used in response to a significantly high volume of Parliamentary/ Assembly questions and ad-hoc queries each year.

Information is disseminated through a number of key statistical publications, including: Inpatient Activity, Outpatient Activity, Emergency Care, Mental Health & Learning Disability and Waiting Time Statistics (Inpatient, Outpatient, Diagnostics and Cancer). These publications are available from the website <https://www.health-ni.gov.uk/topics/dhssps-statistics-and-research>

Further information on the Acute Episode-Based Activity data, including definitions, is available from the website <https://www.health-ni.gov.uk/articles/episode-based-activity>

This Statistical bulletin and others published by Hospital Information Branch are available to download from the DoH Internet site at:

Internet address: <https://www.health-ni.gov.uk/topics/doh-statistics-and-research>

Publication Revisions: A revised version of this publication was issued on **20th February 2020** following the identification of duplicated data in Trust returns. The revision results in 475 episodes/admissions being removed from Omagh Hospital (Western Health & Social Care Trust). The revisions relate to specialty 361 (Nephrology) in Volume 1. In Volume 2, the revisions effect diagnosis block 'Renal Failure ('N17-N19') and procedure block 'Miscellaneous Operations Procedure ('X28-X66') in Volume 3. HRG4 code LA97A has been revised accordingly in Volume 4. All relevant tables have been amended and revised figures identified with '*'. A revised methodology has been implemented to avoid similar issues in future.

Additional Information

Further information on *Acute Episode-Based Activity Statistics* is available from:

Sally Pattison
Hospital Information Branch
Information & Analysis Directorate
Department of Health
Stormont Estate
Belfast, BT4 3SQ

☎ Tel: 028 9052 2684

☎ Fax: 028 9052 3288

✉ Email: sally.pattison@health-ni.gov.uk

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