

HEADLINE FIGURES

PEDW Statistics - Data for the period 1st April 2019 to 31st March 2020 NHS Hospital Admitted Patients - All Welsh Residents

Summary: The annual PEDW data tables present analyses of the Patient Episode Database for Wales (PEDW) which is collated, validated and stored by the NHS Wales Informatics Service (NWIS) on behalf of the Welsh Government and the NHS in Wales. It is a rich source of information about patients admitted to hospitals in Wales. Data is based on 'Finished Consultant Episodes' (FCEs). Episodes describe the time a patient spends in the continuous care of one consultant within a provider spell. A provider spell is the continuous period of time that a patient spends in the care of one NHS health care provider (Local Health Board). The care starts with an admission episode and ends in discharge, transfer to another NHS provider or death. When the responsibility for a patient transfers from one consultant to another within a provider spell, one consultant episode will end and another one begins. However, in approximately 90% of cases, the provider spell consists of just one consultant episode.

Note: From 1st April 2019 health service provision for residents of Bridgend local authority moved from Abertawe Bro Morgannwg to Cwm Taf. The health board names have changed with Cwm Taf University Health Board becoming Cwm Taf Morgannwg University Health Board and Abertawe Bro Morgannwg University Health Board becoming Swansea Bay University Health Board. For more information see the [Joint statement from Cwm Taf and Abertawe Bro Morgannwg University Health Boards](#). Therefore, data for Cwm Taf Morgannwg University Health Board and Swansea Bay University Health Board are only available for 2019/20 and are not comparable with previous years' data.

Key Facts¹

In 2019/20:

- There were 1,067,700 Finished Consultant Episodes (FCEs) recorded. Figures have remained stable over the latest year following year on year increases since 2015-16. There has been an overall rise in FCEs of 14.7% over the past 10 years.
- Of these, 876,300 were admission episodes (the first in a spell), again the number of episodes has remained stable in 2019-20. Since 2010-11, admission episode activity has increased by 12.1%.
- Emergency admissions have decreased slightly by 0.4%, 403,000 in 2019-20 compared to 404,600 in 2018-19. Over the last 10 years, emergency admissions have increased by 12.5%.
- Emergency admissions make up the majority of admissions for Welsh residents (46%) in 2019-20.
- 335,000 admissions were from waiting lists (including booked admissions), down slightly (1.2%) on the previous year. Over ten years, there were 11.3% more waiting list admissions (including booked admission) in 2019-20 than in 2010-11.
- There were 743,000 (70%) ordinary inpatient episodes and 303,900 (28%) day cases. Mothers using delivery facilities made up the other 2% of all episodes.
- 51% of all episodes (92% of day case episodes) involved some form of procedure or intervention.
- 6.9% of admission episodes (60,900), took place outside of Wales in non-Welsh providers. This represents a decrease of 1.7% on the previous year but there has been an increase of 21% over the last ten years.

¹ Figures in the Key Facts have been rounded to the nearest hundred. Percentage calculations are based on the un-rounded figures.

Data Quality

Primary diagnosis coding completeness: This data was extracted from the PEDW database in September 2020. The clinical coding section of the APC Data Quality Status report advises that four organisations (BCU, Powys, Swansea Bay and Velindre) met both clinical coding completeness targets. C&V met the national standard of 95% coded within 3 months of episode end date but failed to achieve the 98% target for rolling 12 months' data, while the other three organisations (Aneurin Bevan, Cwm Taf Morgannwg and Hywel Dda) did not meet either target.

Treatment specialty re-coding: From April 2016, new codes were introduced for describing specialties to add more detail to data collections. Currently, not all health boards are reporting this data consistently using the more detailed codes. For this publication, treatment specialties have been recoded as their previous description to avoid inconsistent reporting.

Data validity data quality note: Cwm Taf Morgannwg did not meet the validity target for Referrer Code. 97% of the invalid values related to episodes that took place in the Princess of Wales Hospital, and the vast majority of those contained blank values. In April 2019, the geographical boundary between Abertawe Bro Morgannwg LHB and Cwm Taf LHB changed to create Swansea Bay LHB and Cwm Taf Morgannwg LHB. Princess of Wales Hospital moved from Abertawe Bro Morgannwg LHB to Cwm Taf Morgannwg LHB as part of that change, and this has resulted in some data quality issues.

The validity targets for Main Specialty (Consultant) and Speciality of Treatment Code are being met every year by all organisations apart from Powys. The records that are causing this low validity mainly relate to activity where a general practitioner is responsible for the patient during their inpatient stay and/or where the patient is treated under the specialty of general practice. The main specialty code relating to GPs changed when the list of values for this data item was revised in April 2015 as per DSCN 2014 / 078 and the specialty of treatment codes for general practice ceased to be valid in April 2016 as per DSCN 2014/089. Although other organisations have also submitted such activity, this issue has been highlighted in Powys as it accounts for a high proportion of their overall activity. An upgrade to the WPAS system is needed before the validity of these data items will improve.

The validity target for Consultant Code was not being formally monitored in 2019/20 as the check was amended during 2018/19 and again during 2019/20.

Publication Links

- [PEDW Data on-line Notes and definitions](#)
- [2019/20 Data Quality Report](#)
- [NHS Wales Data Dictionary](#)

Trends

Charts 1 and 2 have been included to provide an indication of the trend for some of the key facts noted above (2010-11 to 2019-20). Data for years other than the latest year have been taken from previous publications.

Chart 1: Number of FCEs and admission episodes 2010-11 to 2019-20

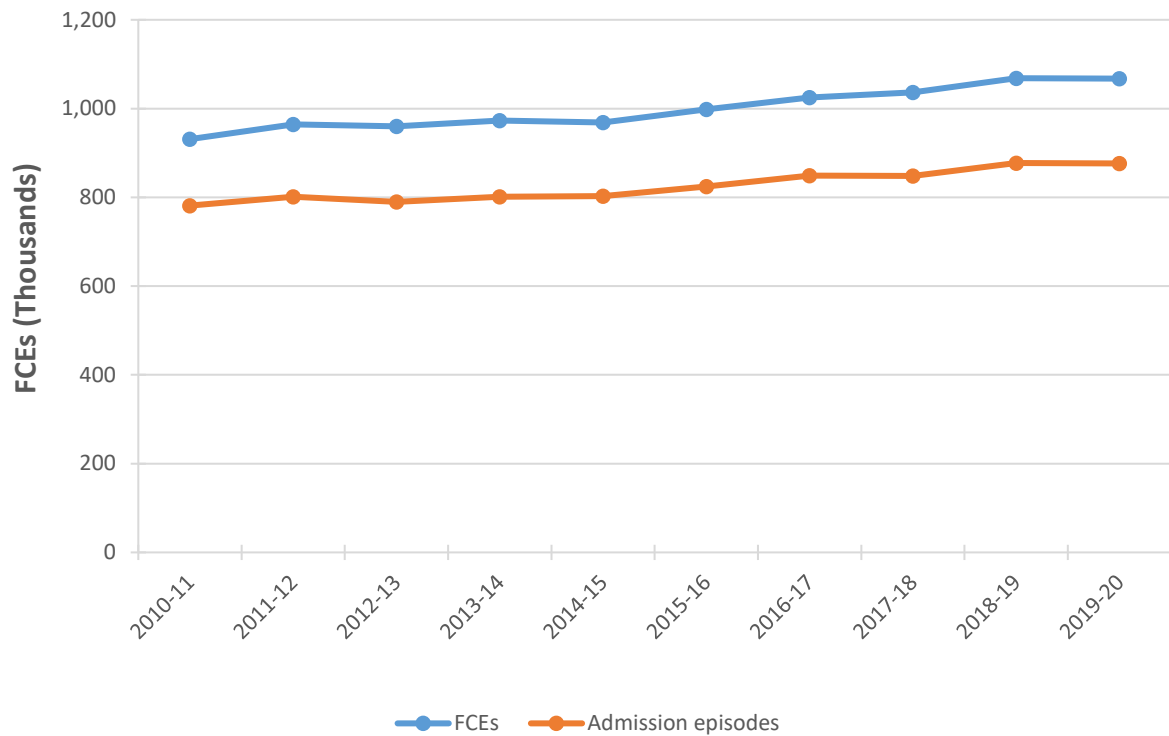


Chart 1 shows the volume of episodes and admission episodes each year. Admission episodes are the first episode within a spell of care. FCEs and admissions episodes have remained stable in 2019-20, however, both have increased over the last ten years, FCEs have increased by 14.7% and admission episodes have seen a rise of 12.1% since 2010-11.

Chart 2: Number of admission episodes by admission method 2010-11 to 2019-20

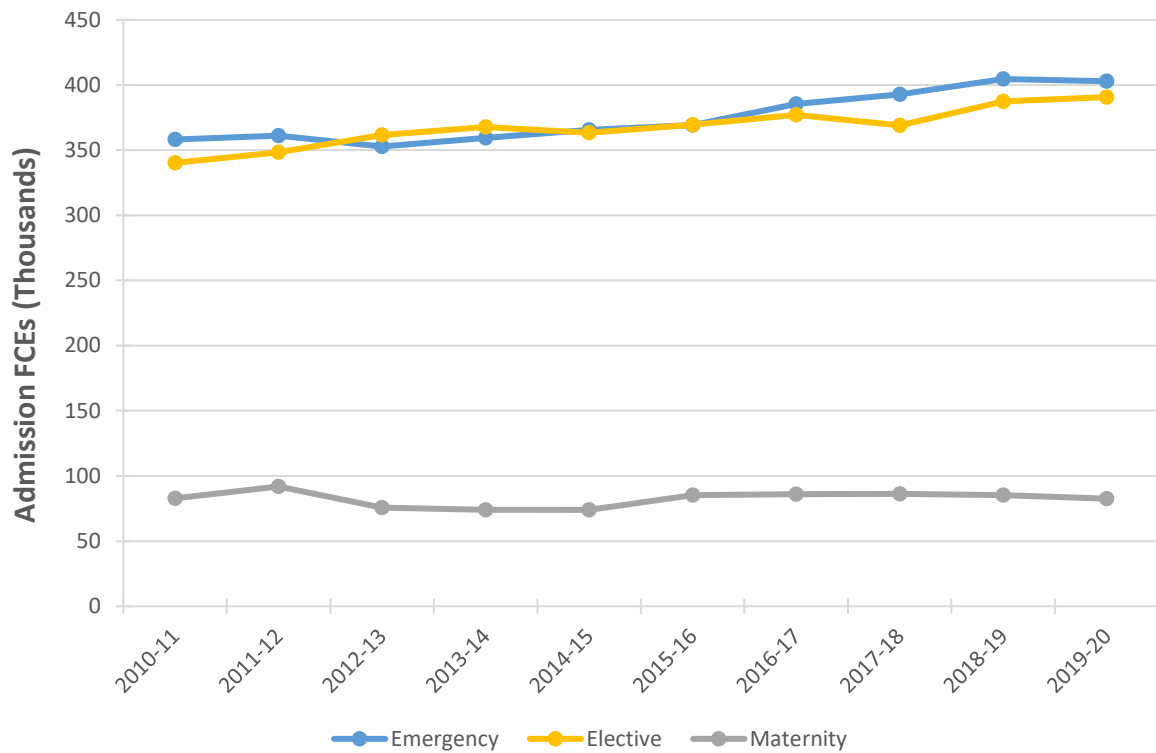


Chart 2 shows the volume of admission episodes split by admission method over time. Emergency admissions make up the majority of admissions for Welsh residents in 2019-20 and have shown a 12.5% rise in activity from 2010-11 to 2019-20. Elective admissions have been more variable but have remained stable for the latest year. Over a 10-year period, 2010-11 to 2019-20, there has been an overall increase of 14.8%. Maternity admissions have also shown some variability over the last ten years and have decreased in the latest year 2019-20 by 3.1%.

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NHS Hospital Admitted Patients - All Welsh Residents

Finished Consultant Episodes - FCEs (excl. Regular Attender episodes)

Total	1,067,737	100.0%
Proportion of the above episodes with a procedure or intervention:	51.0%	

FCEs by Patient Classification

Inpatient FCEs	743,029	69.6%
Proportion of the above episodes with a procedure or intervention:	34.3%	
Day Case FCEs	303,923	28.5%
Proportion of the above episodes with a procedure or intervention:	92.4%	
Mothers Using Delivery Facilities Only: FCEs	20,783	1.9%
Patient Classification Unknown: FCEs	2	0.0%

FCEs by Patients' Age

0 - 4	65,138	6.1%
5 - 14	36,822	3.4%
15 - 24	66,904	6.3%
25 - 44	193,445	18.1%
45 - 64	234,669	22.0%
65 - 74	182,786	17.1%
75 - 84	184,341	17.3%
85 & Over	103,490	9.7%
Not known	142	0.0%

FCEs and Average Bed days by Broad Specialty Groups (the specialty under which the patient is treated¹)

	FCEs	Bed days
All Specialties	743,029	4.9
All Non-Psychiatric Specialties Excluding Geriatrics	698,928	3.8
All Non-Psychiatric Specialties	732,800	4.2
All Psychiatric Specialties	10,207	53.8
Acute	635,155	4.0
Maternity	63,354	1.0
Geriatrics	33,872	13.2
Mental Illness	10,062	46.8
Learning Disability	145	540.2

Private Patients Treated in NHS Hospitals

FCEs (all patient classifications)	2,505	0.2%
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Delivery Episodes²

FCEs: Mothers giving birth (all patient classifications)	26,454	2.5%
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FCEs in Spell Breakdown

1 episode only	86.2%
2 episodes	9.2%
3 episodes	2.9%
4 or more episodes	1.7%

Admission Episodes (only the first episode of care in each hospital stay is counted).

Total			876,287	100.0%
	Inpatient	Daycase		
Elective admission episodes	87,620	303,116	390,738	44.6%
Waiting List	58,061	232,067	290,128	
Booked	8,233	36,636	44,871	
Planned	6,861	34,409	41,270	
Other Elective Admissions (transfers)	14,465	4	14,469	
Emergency admission episodes			402,953	46.0%
A&E			215,025	
GP			118,954	
Other Emergency			68,974	
Other admission episodes (including maternity)			82,596	9.4%

Discharge Episodes (only the last episode of care in each hospital stay is counted)

Total	877,431	100.0%
Deaths in hospital (including stillbirths)	16,635	1.9%

Discharge Episodes (inpatients only) and Average Length of Stay by Broad Specialty Groups (the specialty under which the patient is treated¹)

	Elective		Emergency		Other ³		All Admissions	
	FCEs	LOS	FCEs	LOS	FCEs	LOS	FCEs	LOS
All Specialties	87,635	9.5	403,984	6.7	62,985	2.4	554,604	6.6
All Non-Psych Spec. excl. Geriatrics	82,811	6.3	377,086	5.3	62,945	1.6	522,842	5.0
All Non-Psychiatric	86,236	7.6	396,626	5.9	62,956	1.6	545,818	5.7
All Psychiatric Specialties	1,382	123.1	7,358	50.6	29	1,804.4	8,769	67.9
Acute	81,901	6.3	375,714	5.3	5,585	7.6	463,200	5.5
Maternity	746	2.3	1,256	1.2	57,360	1.0	59,362	1.0
Geriatrics	3,425	39.8	19,540	17.5	11	14.8	22,976	20.8
Mental Illness	1,343	100.0	7,269	46.9	25	55.9	8,637	55.2
Learning Disability*	39	917.5	89	359.1	4	**	132	899.1

Welsh Residents Treated in Non-Welsh Providers

FCEs	72,966	6.8%
Admission Episodes	60,897	6.9%

*Regular Day and Night Attender Episodes (these episodes have not been included elsewhere)

Total	159,506
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[1] In publications prior to 2012/13, the consultants main specialty was used for all specialty figures in the headlines publication. From 2012/13, to comply with current best practice and to match other publications, this was changed to the specialty under which the patient was treated. This means that specialty figures prior to 2012/13 will not be comparable to specialty figures provided for 2012/13 onwards in the headlines publication. Please refer to the NHS Wales data dictionary <http://www.datadictionary.wales.nhs.uk> for definitions.

[2] Please note that the definition for delivery episodes changed from the 2012/13 publication onwards, therefore the data will not be comparable to previous years. Please see the Notes and Definitions document accompanying this release for further information.

[3] Other refers to any other type of admission method other than elective or emergency (includes maternity admissions).

*5 patients have been recorded with an exceptionally long LOS of > 5,000 days.

**Calculated values such as average length of stay or average beddays are not provided where based on less than 10 values

	Finished Episodes	Admissions	Male	Female	Emerg	Waiting List	Waiting Time		Length of Stay		Mean Age	Inpatient	Day Case
							Mean	Median	Mean	Median			
Procedures (main)													
Cataract	20,426	20,418	42%	58%	0%	95%	161.7	94.5	2.9	1.0	75	1%	99%
Upper digestive tract	44,613	40,664	48%	52%	6%	86%	73.3	30.0	10.5	5.0	61	19%	81%
Heart (CABG)	900	623	80%	20%	30%	56%	102.6	87.0	15.6	11.0	68	100%	0%
Heart (PTCA)	4,479	3,585	74%	26%	66%	28%	79.4	56.0	2.9	2.0	66	86%	14%
Hip	6,577	6,361	38%	62%	33%	62%	245.2	192.0	8.7	4.0	73	100%	0%
Knee	4,284	4,256	45%	55%	1%	94%	273.3	226.0	5.0	4.0	70	100%	0%
Kidney transplant	137	137	63%	37%	58%	34%	17.3	17.0	12.0	10.0	46	100%	0%
Diagnosis (primary)													
Cancer	86,003	77,819	50%	50%	12%	71%	55.9	14.0	8.1	3.0	64	38%	62%
Ischaemic Heart Disease	16,592	10,475	64%	36%	66%	26%	58.0	41.0	5.5	3.0	70	85%	15%
Influenza, pneumonia etc	75,332	47,631	48%	52%	87%	10%	165.6	91.0	7.1	3.0	59	96%	4%
Hernia	7,712	7,252	74%	26%	25%	73%	155.7	125.0	4.0	1.0	57	52%	48%
Head Injuries	9,764	8,123	58%	42%	89%	8%	16.1	6.0	5.0	1.0	50	95%	5%
Diagnosis (anywhere in admitting episode)													
Sepsis	22,671	12,212	52%	48%	82%	2%	86.2	23.0	15.8	8.0	65	99%	0%

Notes