

HEADLINE FIGURES

PEDW Statistics - Data for the period 1st April 2020 to 31st March 2021

NHS Hospital Admitted Patients – Powys Teaching Health Board Residents.

Summary

The annual PEDW data tables present analyses of the Patient Episode Database for Wales (PEDW) which is collated, validated, and stored by Digital Health and Care Wales (DHCW) 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.

Key Facts¹

COVID-19 has greatly impacted Admitted Patient Care in 2020/21, admissions across all areas have reduced, please see below for details:

In 2020/21:

- There were 34,200 Finished Consultant Episodes (FCEs) recorded representing a large decrease of 32% on 2019-20, and 30% decrease on the average of the previous five years.
- Of these, 26,700 were admission episodes (the first in a spell), representing another large drop of 35%.
- Emergency admissions represented 44% of all admissions for Powys Teaching Health Board Residents. There were 11,600 emergency admissions this year which is a decrease of 25% on the previous year.
- Elective admissions continue to make up the majority of admissions for Powys Teaching Health Board residents (49% in 2020-21).
- 8,000 admissions were from waiting lists (including booked admissions), a substantial decrease of 52% on the previous year.
- 68% (23,200) of all FCEs were ordinary inpatient episodes, 31% (10,400) were day case episodes.
- 58% of all FCEs (97% of day case episodes) involved some form of procedure or intervention.
- 16,500 admissions took place outside of Wales for Powys Teaching Health Board residents in non-Welsh providers, representing 62% of all admissions.

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

Data Quality

Primary diagnosis coding completeness: This data was extracted from the PEDW database in November 2021. The clinical coding section of the APC Data Quality Status report advises that three organisations (BCUHB, Powys and Swansea) met both clinical coding completeness targets while another three organisations (Aneurin Bevan, Cwm Taf and Hywel Dda) failed to meet either of them. Aneurin Bevan (92.8%), Cwm Taf (89.1%) and Hywel Dda (85.9%) failed to achieve the national standard of 95% coded within 3 months of episode end date, while Aneurin Bevan (92.8%), Cardiff & Vale (96.8%), Cwm Taf (89.1%), Hywel Dda (85.9%) and Velindre (97.6%) failed to achieve the 98% target for rolling 12 months' data.

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: 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.

Publication Links

- PEDW Data on-line [Notes and definitions](#)
- [2020/21 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 (2016-17 to 2020-21). Data for years other than the latest year have been taken from previous publications.

Chart 1: Number of FCEs and admission episodes 2016-17 to 2020-21

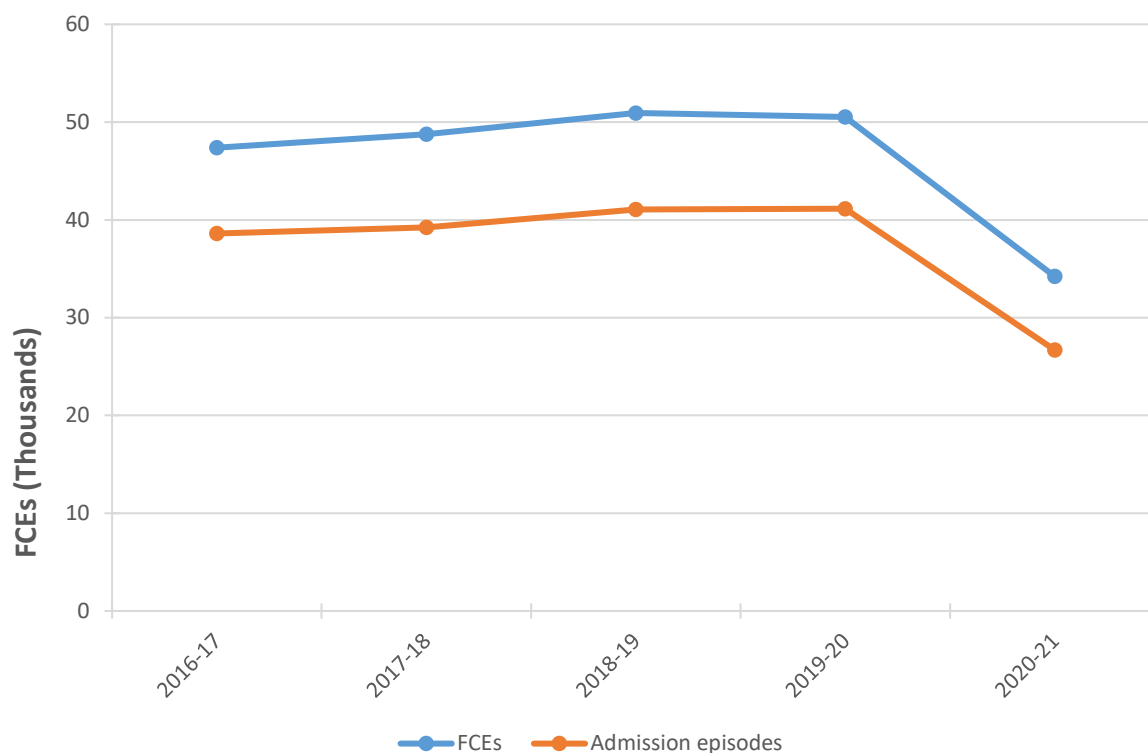


Chart 1 shows the volume of episodes and admission episodes each year. Admission episodes are the first episode within a spell of care. Total FCEs and admission episodes decreased greatly this year, by 32% and 35% respectively. This decrease follows consecutive increases over the past 5 years.

Chart 2: Number of admission episodes by admission method 2016-17 to 2020-21

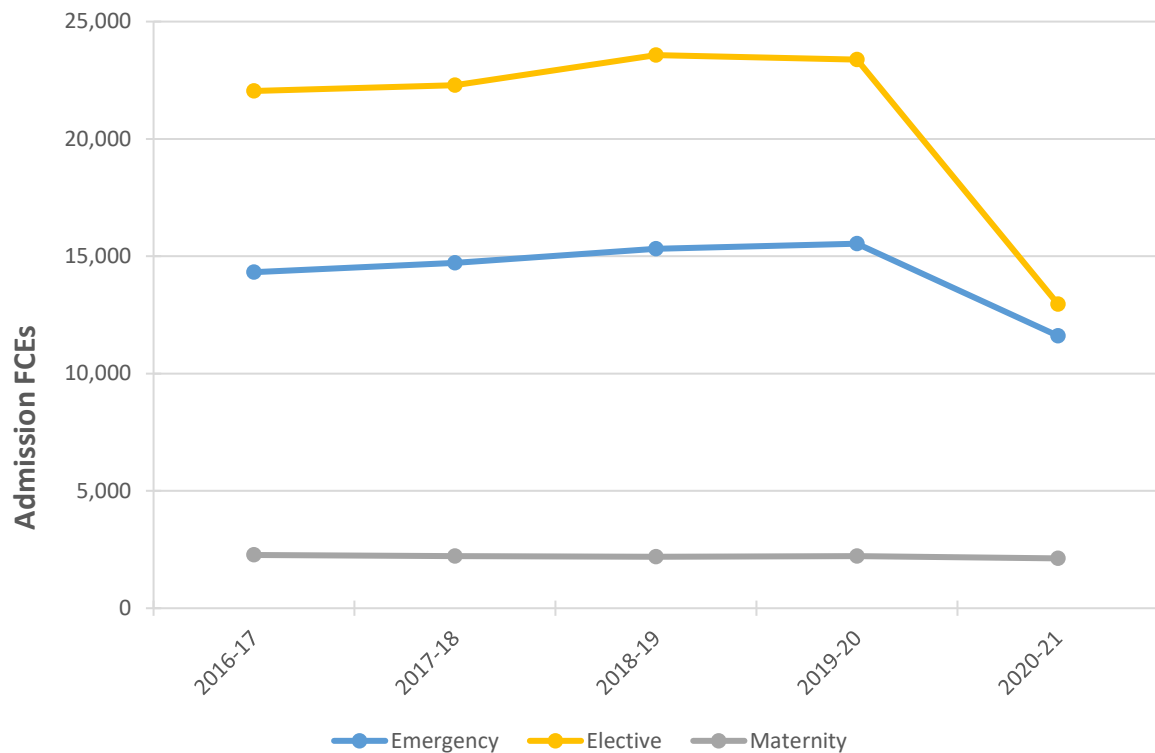


Chart 2 shows the volume of admission episodes split by admission method over time. Despite a substantial drop on last year, elective admissions make up the majority of admissions for Powys Teaching Health Board residents (49% in 2020-21). Maternity activity has remained relatively stable in the last five years.

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NHS Hospital Admitted Patients - Powys Teaching Health Board Residents

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

Total	34,212	100.0%
Proportion of the above episodes with a procedure or intervention:	58.0%	

FCEs by Patient Classification

Inpatient FCEs	23,255	68.0%
Proportion of the above episodes with a procedure or intervention:	41.1%	
Day Case FCEs	10,441	30.5%
Proportion of the above episodes with a procedure or intervention:	96.5%	
Mothers Using Delivery Facilities Only: FCEs	515	1.5%
Patient Classification Unknown: FCEs	1	0.0%

FCEs by Patients' Age

0 - 4	846	2.5%
5 - 14	749	2.2%
15 - 24	1,412	4.1%
25 - 44	4,220	12.3%
45 - 64	7,271	21.3%
65 - 74	7,122	20.8%
75 - 84	7,828	22.9%
85 & Over	4,761	13.9%
Not known	3	0.0%

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

	FCEs	Bed days
All Specialties	23,255	4.9
All Non-Psychiatric Specialties Excluding Geriatrics	21,916	4.2
All Non-Psychiatric Specialties	22,980	4.6
All Psychiatric Specialties	275	31.0
Acute	20,649	4.3
Maternity	1,267	1.3
Geriatrics	1,064	12.6
Mental Illness	275	31.0
Learning Disability	-	-

Private Patients Treated in NHS Hospitals

FCEs (all patient classifications)	16	0.0%
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Delivery Episodes²

FCEs: Mothers giving birth (all patient classifications)	847	2.5%
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FCEs in Spell Breakdown

1 episode only	82.3%
2 episodes	11.4%
3 episodes	4.1%
4 or more episodes	2.2%

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

Total			26,690	100.0%
	Inpatient	Daycase		
Elective admission episodes	2,529	10,430	12,959	48.6%
Waiting List	1,177	6,048	7,225	
Booked	218	585	803	
Planned	201	3,797	3,998	
Other Elective Admissions (transfers)	933	0	933	
Emergency admission episodes			11,607	43.5%
A&E			8,079	
GP			2,079	
Other Emergency			1,449	
Other admission episodes (including maternity)			2,124	8.0%

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

Total	26,643	100.0%
Deaths in hospital (including stillbirths)	762	2.9%

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	2,530	14.4	11,558	6.3	1,683	2.2	15,771	7.2
All Non-Psych Spec. excl. Geriatrics	2,285	11.4	10,814	5.6	1,679	2.2	14,778	6.1
All Non-Psychiatric	2,484	13.5	11,343	6.0	1,681	2.2	15,508	6.8
All Psychiatric Specialties	46	61.0	215	26.5	2	**	263	32.4
Acute	2,202	11.7	10,787	5.7	561	3.8	13,550	6.6
Maternity	83	1.4	27	2.1	1,118	1.4	1,228	1.4
Geriatrics	199	38.3	529	12.3	2	**	730	19.4
Mental Illness	46	61.0	215	26.5	2	**	263	32.4
Learning Disability	0	-	0	-	0	-	0	-

Powys Teaching LHB Residents Treated in Non-Welsh Providers

FCEs	21,293	62.2%
Admission Episodes	16,477	61.7%

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

Total	3,119
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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.

Please note, percentage breakdowns may not always add up to 100% due to rounding.

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

**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	546	546	44%	56%	0%	100%	245.9	273.5	0.7	1.0	76	1%	99%
Upper digestive tract	1,537	1,343	49%	51%	11%	83%	70.8	20.0	8.4	5.0	64	26%	74%
Heart (CABG)	24	10	71%	29%	50%	50%	**	**	12.4	11.0	66	100%	0%
Heart (PTCA)	162	129	77%	23%	71%	13%	108.6	94.0	1.9	1.0	69	93%	7%
Hip	198	187	34%	66%	59%	39%	242.8	254.0	8.8	5.0	77	100%	0%
Knee	52	51	50%	50%	2%	96%	264.7	276.5	3.6	3.0	71	100%	0%
Kidney transplant	1	1	100%	0%	100%	0%	**	**	**	**	**	100%	0%
Diagnosis (anywhere in admitting episode)													
Sepsis	1,073	500	54%	46%	80%	2%	17.5	13.0	12.8	8.0	72	99%	0%

Notes

** Figures have been suppressed due to low numbers

Percentages have been rounded to nearest whole number

Procedures (codes are from the OPCS Classification of Interventions and Procedures Version 4.7)

1. Cataract: Extraction and prosthesis of lens (C71 - C75)
2. Upper Digestive Tract: Includes operations on oesophagus, stomach, pylorus, duodenum, jejunum and ileum (G01 - G82)
3. Heart (Coronary Artery Bypass Graft): Includes replacement of coronary artery, connection of thoracic artery to coronary artery and other methods of bypass (K40 - K46)
4. Heart (Percutaneous Transluminal operations on Coronary Artery): Includes balloon and laser angioplasty (K49, K50, K51 and K75)
5. Hip: Total prosthetic replacement of hip joint (W37 - W39), prosthetic replacement of head of femur (W46 - W48), hybrid prosthetic replacement of hip joint (W93-W95)
6. Knee: Total prosthetic replacement of knee joint (W40-W42)
7. Kidney: All transplantations of kidneys (M01)

Diagnosis (codes are from the International Statistical Classification of Diseases and Related Health Problems (ICD10) 4th Edition, published by the WHO)

13. Sepsis: Any mention of a Sepsis diagnosis in any of the 14 diagnosis fields in the admitting episode of care. Includes:

Brucellosis (A23), Other zoonotic bacterial diseases nec (A28), Streptococcal sepsis (A40), Other sepsis (A41), Bacterial sepsis of newborn (P36), Puerperal sepsis (O85), Salmonella sepsis (A021), Shigellosis unspecified (A039), Septicaemic plague (A207), Anthrax sepsis (A227), Acute and fulminating melioidosis (A241), Erysipelothrix sepsis (A267), Listerial sepsis (A327), Tetanus neonatorum (A33X), Acute meningococcaemia (A392), Meningococcaemia unspecified (A394), Actinomycotic sepsis (A427), Other gonococcal infections which includes sepsis (A548), Genital tract and pelvic infection following abortion and ectopic and molar pregnancy (O080), Other infection during labour (O753), Systemic inflammatory response syndrome of infectious origin without organ failure (R650), Systemic inflammatory response syndrome of infectious origin with organ failure (R651), Septic Shock (R572), plus the following pairs of codes which are dagger/asterisk code pairs which must be present together: A390† Meningococcal meningitis (G01*), A391† Waterhouse-Friderichsen syndrome (E351*)