

HEADLINE FIGURES

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

NHS Hospital Admitted Patients – Cardiff & Vale University 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 except maternity have reduced, please see below for details:

In 2020/21:

- There were 87,200 Finished Consultant Episodes (FCEs) recorded, this is much lower than FCEs recorded in 2019-20 with a drop of 31% (39,700). There has been a 30% reduction in FCEs on the average of the previous five years.
- Of these, 79,400 were admission episodes (the first in a spell), the number of admission episodes has dropped on the previous year by 32% (37,700).
- Maternity admissions increased this year by 4%. However, there is still a decrease of 12% over the last five years.
- There were 36,200 emergency admissions which is a 24% decrease on last years' figure (47,400).
- Unlike in previous years, emergency admissions made up the majority of admissions for Cardiff and Vale University Health Board residents, equating to 46% of all admissions.
- 23,000 admissions were from waiting lists (including booked admissions), a decrease of 50% on the previous year.
- 73% (63,700) of all FCEs were ordinary inpatient episodes, 27% (23,200) were day case episodes.
- 58% of all FCEs (95% of day case episodes) involved some form of procedure or intervention.
- 1,000 admissions for Cardiff and Vale University Health Board residents took place outside of Wales in non-Welsh providers. This represents 1.2% of all admissions. This percentage has remained consistent over the last year.

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 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.

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

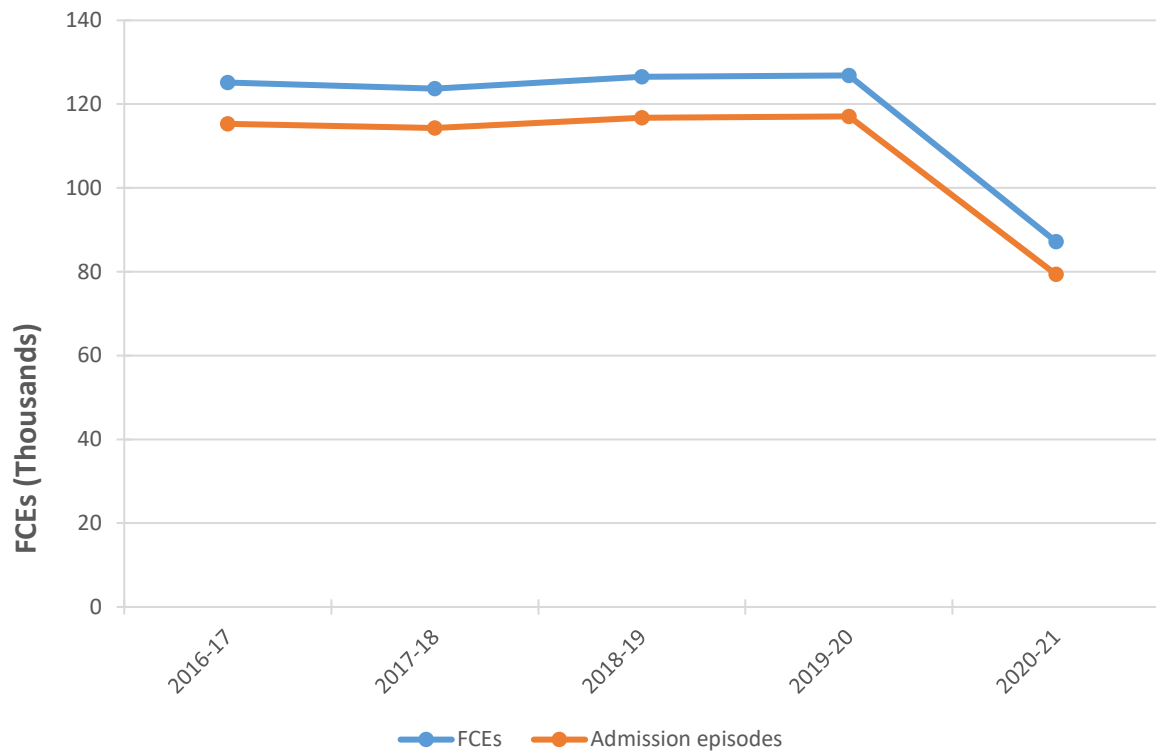


Chart 1 shows the volume of episodes and admission episodes each year. Admission episodes are the first episode within a spell of care. Overall, FCE activity and admission episodes have decreased by similar percentages on the previous year, FCE activity dropping by 30% and admission episodes by 31%.

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

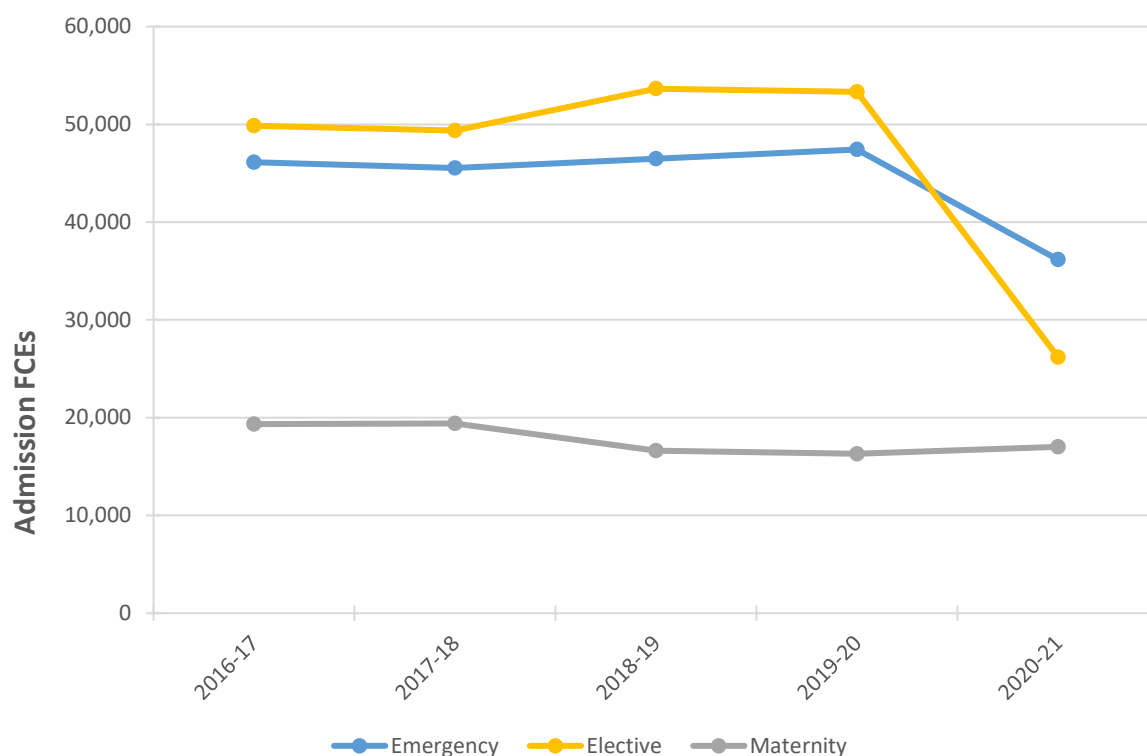


Chart 2 shows the volume of admission episodes split by admission method over time. The fall in elective admissions (51%) was much more substantial than the reduction in emergency admissions (24%), hence emergency admissions now make up the majority of admissions (46% in 2020-21). Unlike the decline seen in 2019-20, maternity admissions rose in the past year by 4% (an increase of 700 maternity admissions).

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NHS Hospital Admitted Patients - Cardiff & Vale University Health Board Residents

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

Total	87,196	100.0%
Proportion of the above episodes with a procedure or intervention:	57.8%	

FCEs by Patient Classification

Inpatient FCEs	63,740	73.1%
Proportion of the above episodes with a procedure or intervention:	44.2%	
Day Case FCEs	23,214	26.6%
Proportion of the above episodes with a procedure or intervention:	95.1%	
Mothers Using Delivery Facilities Only: FCEs	238	0.3%
Patient Classification Unknown: FCEs	4	0.0%

FCEs by Patients' Age

0 - 4	3,919	4.5%
5 - 14	2,575	3.0%
15 - 24	6,221	7.1%
25 - 44	22,150	25.4%
45 - 64	19,062	21.9%
65 - 74	12,789	14.7%
75 - 84	12,547	14.4%
85 & Over	7,891	9.0%
Not known	42	0.0%

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

	FCEs	Bed days
All Specialties	63,740	6.6
All Non-Psychiatric Specialties Excluding Geriatrics	59,995	5.0
All Non-Psychiatric Specialties	61,828	5.3
All Psychiatric Specialties	1,908	48.6
Acute	45,506	6.4
Maternity	14,489	0.9
Geriatrics	1,833	14.3
Mental Illness	1,876	46.6
Learning Disability	32	162.9

Private Patients Treated in NHS Hospitals

FCEs (all patient classifications)	52	0.1%
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Delivery Episodes²

FCEs: Mothers giving birth (all patient classifications)	4,281	4.9%
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FCEs in Spell Breakdown

1 episode only	92.6%
2 episodes	5.9%
3 episodes	1.0%
4 or more episodes	0.4%

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

Total			79,362	100.0%
	<u>Inpatient</u>	<u>Daycase</u>		
Elective admission episodes	4,528	21,667	26,199	33.0%
Waiting List	2,691	13,505	16,196	
Booked	976	5,849	6,825	
Planned	680	2,313	2,997	
Other Elective Admissions (transfers)	181	0	181	
Emergency admission episodes			36,159	45.6%
A&E			19,050	
GP			8,446	
Other Emergency			8,663	
Other admission episodes (including maternity)			17,004	21.4%

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

Total	79,305	100.0%
Deaths in hospital (including stillbirths)	2,185	2.8%

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	4,525	10.5	36,064	9.9	15,314	1.4	55,903	7.6
All Non-Psych Spec. excl. Geriatrics	4,201	4.5	33,727	7.7	15,313	1.4	53,241	5.6
All Non-Psychiatric	4,210	4.5	35,189	8.2	15,313	1.4	54,712	6.0
All Psychiatric Specialties	315	89.6	873	77.2	1	**	1,189	80.4
Acute	4,200	4.5	33,596	7.7	971	8.7	38,767	7.4
Maternity	1	**	131	0.9	14,342	0.9	14,474	0.9
Geriatrics	9	26.7	1,462	19.5	0	-	1,471	19.6
Mental Illness	305	84.8	852	72.6	1	**	1,158	75.7
Learning Disability	10	234.9	21	263.9	0	-	31	254.5

Cardiff & Vale ULHB Residents Treated in Non-Welsh Providers

FCEs	1,128	1.3%
Admission Episodes	963	1.2%

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

Total	25,259
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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	901	901	39%	61%	0%	89%	272.4	286.5	0.4	0.0	74	3%	97%
Upper digestive tract	4,513	4,333	49%	51%	16%	74%	63.7	20.0	12.8	6.0	59	23%	77%
Heart (CABG)	50	44	86%	14%	32%	68%	195.7	189.5	10.9	9.0	63	100%	0%
Heart (PTCA)	656	605	74%	26%	64%	36%	88.3	61.5	3.6	2.0	65	78%	22%
Hip	357	340	35%	65%	79%	15%	365.2	376.5	12.9	8.0	77	100%	0%
Knee	72	71	35%	65%	25%	59%	444.3	438.5	9.5	4.0	72	100%	0%
Kidney transplant	18	17	67%	33%	76%	24%	**	**	12.8	7.5	45	100%	0%
Diagnosis (anywhere in admitting episode)													
Sepsis	1,238	879	51%	49%	86%	2%	50.1	38.0	21.0	11.0	63	100%	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*)