

Population based measures			
Ref No.	Measure	Source	Reporting Level
1	Life expectancy at birth	ONS	Unitary Authority
2	Age Standardised Mortality Rates (ASMR):registered deaths per 100,000 of resident population	ONS	Unitary Authority
3	Avoidable Mortality: age standardised deaths per 100,000 of resident population for amenable and preventable conditions	Public Health Wales/ONS	Unitary Authority
4	Excess Winter Mortality Index (EWMI)	ONS	Unitary Authority
5	Perinatal Mortality: Registered deaths per 1,000 of still / live births	ONS	LHB
Hospital Based Measures			
9	Crude In-hospital mortality rate	CHKS	Main Hospital
10	Deaths in hospital within 30 days of emergency admission for hip fracture for patients aged 65 and over	CHKS	LHB
11	Rate of death in hospital within 30 days of emergency admission with a heart attack (myocardial infarction) for patients aged 35 to 74	CHKS	LHB
12	Deaths in hospital within 30 days of emergency admission for a stroke	CHKS	LHB
14	Rates of deaths in hospital within 30 days of Elective Surgery	CHKS	LHB
15	Rates of deaths in hospital within 30 days of Non-Elective Surgery	CHKS	LHB
16	Accident & Emergency crude mortality rate	EDDS	DGH
Contextual Measures			
17	% clinical coding completeness	CHKS	LHB
20	Proportion of deaths in hospital as a % of total registered deaths	ONS	LHB
21	Deprivation: % of LSOA's in most deprived 20%	StatsWales	Unitary Authority

Mortality Indicator Ref No 1: Life Expectancy at Birth

Males															
UA Area	2002-04	2003-05	2004-06	2005-07	2006-08	2007-09	2008-10	2009-11	2010-12	2011-13	2012-14	2013-15	2014-16	2015-17	2016-18
Isle of Anglesey	76.7	77.1	77.1	76.9	77.0	76.9	77.3	78.0	78.5	78.6	78.6	78.8	78.8	79.1	79.2
Gwynedd	76.8	76.9	76.8	77.1	77.4	77.4	77.6	78.2	78.7	79.5	79.8	79.6	79.2	79.0	78.8
Conwy	75.8	76.3	76.5	76.9	77.0	77.2	77.9	78.1	78.8	78.9	79.0	78.9	78.8	79.3	78.0
Denbighshire	76.4	76.3	76.5	77.0	77.3	77.5	77.6	78.1	78.3	78.2	77.8	78.0	77.5	77.8	79.3
Flintshire	76.1	76.3	76.6	77.3	77.5	78.0	78.2	78.8	78.9	79.0	78.9	79.0	79.2	79.3	78.2
Wrexham	75.8	76.2	76.8	77.1	77.1	77.3	77.5	78.1	78.2	78.5	78.4	78.4	78.6	78.4	79.8
Powys	77.3	77.7	78.1	78.4	79.0	79.1	79.4	79.4	79.8	80.2	80.5	80.3	79.9	79.6	79.5
Ceredigion	77.5	77.3	78.2	79.1	79.9	79.6	79.8	79.6	79.7	79.6	80.3	79.9	80.0	79.5	79.3
Pembrokeshire	75.9	75.9	76.5	76.7	77.2	77.5	78.1	78.7	79.3	79.2	79.6	79.2	79.3	78.9	77.8
Carmarthenshire	75.4	75.6	75.8	76.2	76.5	77.3	77.6	78.2	78.4	78.5	78.8	78.6	78.6	78.0	77.3
Swansea	75.7	75.7	76.3	76.3	76.9	76.7	77.1	77.0	77.5	77.5	77.9	78.0	77.8	77.3	76.7
Neath Port Talbot	74.5	75.2	76.0	76.3	76.2	76.1	76.4	76.5	76.6	76.5	77.2	77.4	77.5	77.0	77.7
Bridgend	75.5	75.6	76.0	75.8	76.0	76.3	76.8	76.8	76.9	77.0	77.2	77.2	77.5	77.9	79.3
The Vale of Glamorgan	76.0	76.9	77.7	77.7	77.7	78.0	78.7	79.3	79.5	79.7	79.5	79.1	78.8	78.9	78.2
Cardiff	75.8	76.2	76.5	76.4	76.5	76.9	77.6	78.0	78.1	78.1	78.2	78.3	78.4	78.5	77.5
Rhondda, Cynon, Taff	74.8	75.1	75.6	74.9	75.3	75.3	76.0	75.8	76.3	76.5	76.9	76.9	77.2	77.5	77.4
Merthyr Tydfil	73.9	74.4	75.4	75.5	74.9	74.8	75.6	76.3	77.4	76.8	77.1	76.6	76.9	77.2	77.8
Caerphilly	74.8	75.3	75.6	75.8	75.6	76.2	76.8	77.4	77.5	77.6	77.9	77.8	77.9	77.8	76.3
Blaenau Gwent	73.9	74.2	74.7	75.2	75.2	75.6	75.8	75.9	75.7	75.5	76.2	76.5	76.6	76.2	77.8
Torfaen	75.8	76.2	77.2	77.0	76.8	76.5	77.2	77.6	77.5	77.6	77.9	78.2	78.0	77.6	80.8
Monmouthshire	78.0	78.4	78.7	78.7	78.7	79.5	80.3	80.3	80.0	79.8	80.6	80.7	80.8	80.3	77.6
Newport	75.2	75.9	76.6	77.0	76.9	76.7	76.8	77.6	77.8	77.9	78.1	78.1	78.2	77.8	78.3
Wales	75.8	76.1	76.6	76.7	76.9	77.1	77.5	77.8	78.1	78.2	78.4	78.4	78.4	78.3	78.3

Females															
UA Area	2002-04	2003-05	2004-06	2005-07	2006-08	2007-09	2008-10	2009-11	2010-12	2011-13	2012-14	2013-15	2014-16	2015-17	2016-18
Isle of Anglesey	81.3	81.4	82.2	82.2	82.7	82.1	81.9	82.2	82.9	83.0	82.9	82.6	82.6	82.9	83.2
Gwynedd	80.8	81.0	81.6	82.0	82.0	82.1	82.1	83.0	82.9	83.6	83.3	83.7	83.6	83.4	83.3
Conwy	80.9	81.2	81.5	81.4	81.5	81.7	81.8	82.2	82.5	82.8	82.7	82.5	82.9	82.8	82.8
Denbighshire	80.3	80.1	80.6	80.8	81.1	80.5	80.4	80.9	81.2	81.2	81.4	81.8	82.0	81.8	81.5
Flintshire	80.9	80.7	81.1	81.3	81.6	81.8	81.9	82.3	82.3	82.3	82.5	82.4	82.6	82.4	82.6
Wrexham	79.9	80.1	80.4	80.5	80.7	80.8	81.1	81.6	81.9	82.0	81.8	81.6	81.6	81.4	81.3
Powys	81.0	81.3	81.7	82.1	82.6	83.0	83.1	83.3	83.4	83.5	83.6	83.5	84.1	84.2	84.0
Ceredigion	81.4	81.9	82.6	83.6	83.6	83.5	83.2	83.3	83.7	83.8	83.9	83.7	84.0	84.2	84.2
Pembrokeshire	80.3	81.0	81.5	81.7	81.8	82.2	82.2	82.5	82.4	82.7	83.1	83.2	83.5	83.3	83.3
Carmarthenshire	80.2	80.7	81.1	81.3	81.2	81.2	81.6	82.1	82.5	82.5	82.5	82.3	82.2	82.2	82.3
Swansea	80.5	80.8	81.0	80.9	81.0	81.5	82.0	82.2	82.1	82.0	82.4	82.5	82.2	82.1	82.2
Neath Port Talbot	80.1	80.4	80.2	80.6	80.3	80.6	80.8	80.9	81.2	81.0	81.2	81.1	81.1	80.9	81.0
Bridgend	79.7	80.0	80.2	80.1	80.1	81.0	81.3	81.2	80.6	81.0	81.7	81.8	81.8	81.2	81.1
The Vale of Glamorgan	81.0	80.8	81.2	81.7	82.3	82.5	82.6	83.1	83.1	83.2	83.2	83.2	83.5	83.4	83.4
Cardiff	80.4	80.7	81.2	81.4	81.5	81.6	81.7	82.1	82.4	82.8	82.8	82.6	82.7	82.7	82.9
Rhondda, Cynon, Taff	79.2	79.4	79.9	79.8	79.8	79.8	80.2	80.7	80.9	80.8	80.9	80.6	80.9	81.0	81.1
Merthyr Tydfil	78.2	78.6	79.1	79.4	79.5	79.3	80.2	80.7	81.0	80.8	80.5	80.6	80.6	80.6	80.6
Caerphilly	79.4	79.3	79.8	80.2	80.7	80.9	81.2	81.6	81.4	81.5	81.4	81.2	81.3	81.2	81.3
Blaenau Gwent	78.4	78.4	78.6	78.5	78.6	78.9	79.5	79.8	79.9	80.1	80.4	80.6	80.6	80.6	80.6
Torfaen	80.5	80.9	81.1	80.8	80.7	80.7	81.4	82.2	82.1	81.7	81.6	82.0	82.4	82.2	82.0
Monmouthshire	81.2	82.5	83.1	83.5	83.2	83.2	83.6	83.6	83.7	84.0	83.9	84.1	83.9	84.0	84.2
Newport	80.6	80.3	80.4	80.4	80.9	81.3	81.8	82.0	82.0	82.2	82.3	82.3	81.9	81.8	81.9
Wales	80.3	80.5	80.9	81.1	81.2	81.4	81.6	82.0	82.1	82.2	82.3	82.3	82.3	82.2	82.3

Source: Office for National Statistics

<https://www.ons.gov.uk/peoplepopulationandcommunity/healthandsocialcare/healthandlifeexpectancies/datasets/lifeexpectancyatbirthandage65bylocalareasuk>

Next Update: December 2020

Figures are based on the number of deaths registered and mid-year population estimates, aggregated over 3 consecutive years

Mortality Indicator Ref No 2: Age Standardised Mortality Rates (ASMR)

Table 1a: Deaths (numbers and rates) by area of usual residence (administrative areas), 2018 registrations

	Number of Deaths			Standardised mortality ratios ⁵			Age-standardised mortality rate ¹		
	Persons	Males	Females	Persons	Males	Females	Persons	Males	Females
WALES	3,125.2	1,540.2	1,585.0	110.0	110.0	109.0	1058.7	1231.0	915.9
Isle of Anglesey	69.8	34.4	35.4	101.0	107.0	95.0	983.1	1198.4	799.8
Gwynedd	123.7	61.3	62.4	101.0	103.0	99.0	980.0	1158.0	844.3
Conwy	116.9	56.9	60.0	100.0	105.0	95.0	982.8	1193.6	817.5
Denbighshire	95.2	46.9	48.2	119.0	111.0	127.0	1158.3	1251.8	1072.5
Flintshire	155.2	76.5	78.7	102.0	103.0	101.0	986.8	1164.1	847.6
Wrexham	135.6	67.8	67.8	113.0	109.0	116.0	1091.5	1199.8	977.5
Powys	132.5	65.6	66.9	99.0	96.0	102.0	949.2	1072.1	844.3
Ceredigion	73.1	36.5	36.6	98.0	101.0	93.0	948.4	1129.0	782.5
Pembrokeshire	124.7	61.2	63.6	96.0	93.0	100.0	941.0	1038.5	846.2
Carmarthenshire	186.5	91.2	95.3	114.0	113.0	114.0	1095.8	1267.9	953.5
Swansea	245.5	122.6	122.9	110.0	115.0	107.0	1065.0	1279.7	897.2
Neath Port Talbot	142.1	70.0	72.1	123.0	130.0	117.0	1192.7	1460.3	990.9
Bridgend	144.3	71.6	72.7	120.0	114.0	127.0	1170.0	1274.5	1069.2
Vale of Glamorgan	130.7	63.5	67.2	99.0	101.0	98.0	959.0	1151.2	821.2
Cardiff	362.8	179.2	183.6	111.0	118.0	105.0	1073.7	1327.8	880.9
Rhondda, Cynon, Taff	239.1	117.2	121.9	121.0	119.0	123.0	1157.8	1316.3	1030.8
Merthyr Tydfil	60.0	29.4	30.5	130.0	125.0	136.0	1259.3	1402.4	1140.0
Caerphilly	180.8	88.7	92.1	118.0	121.0	116.0	1131.7	1328.4	972.4
Blaenau Gwent	69.6	34.3	35.3	131.0	133.0	129.0	1261.7	1470.8	1086.1
Torfaen	92.3	45.0	47.3	110.0	104.0	116.0	1062.3	1144.7	970.8
Monmouthshire	93.6	46.2	47.4	89.0	86.0	91.0	852.5	965.0	759.3
Newport	151.5	74.5	77.0	117.0	120.0	113.0	1127.0	1331.6	951.6

¹ The age-standardised mortality rates for 2018 are standardised to the 2013 European Standard Population, expressed per 100,000 population. Age-standardised rates are used to allow comparison between populations which may contain different proportions of people of different ages. ASMRs are based on mid-2018 population estimates.

⁵ Standardised mortality ratios (SMRs) were calculated using agegroups with the last agegroup extended from 85+ to 90+.

Source: Office for National Statistics

<https://www.ons.gov.uk/peoplepopulationandcommunity/birthsdeathsandmarriages/deaths/datasets/deathsregisteredinenglandandwalesseriesdrreferencetables>

Next Update: to be announced

Mortality Indicator Ref No 3: Avoidable, Amenable and Preventable Mortality

Causes of death considered avoidable, amenable & preventable, European age-standardised rate (EASR) per 100,000, persons, Wales, 2016-2018

Area of usual residence	Avoidable		Amenable		Preventable	
	Deaths (annual average)	EASR	Deaths (annual average)	EASR	Deaths (annual average)	EASR
WALES	7,750.3	266.9	2844.2	97.1	4906.2	169.8
Isle of Anglesey	181.0	246.4	64.0	86.7	117.0	159.7
Gwynedd	288.0	242.9	105.7	92.3	182.3	150.5
Conwy	336.7	264.6	124.5	92.2	212.2	172.4
Denbighshire	264.3	275.6	97.7	102.0	166.7	173.7
Flintshire	377.7	245.4	132.2	84.5	245.5	160.9
Wrexham	344.0	278.2	126.7	105.4	217.3	172.8
Powys	306.3	204.0	116.8	76.9	189.5	127.2
Ceredigion	172.7	230.8	66.2	86.0	106.5	144.8
Pembrokeshire	324.7	243.5	119.7	86.2	205.0	157.3
Carmarthenshire	489.0	262.8	177.5	89.4	311.5	173.4
Swansea	617.3	289.1	205.3	94.6	412.0	194.5
Neath Port Talbot	414.7	313.2	139.5	105.7	275.2	207.5
Bridgend	357.7	273.8	136.2	100.3	221.5	173.5
The Vale of Glamorgan	266.7	216.5	96.5	83.3	170.2	133.3
Cardiff	676.0	270.9	256.2	103.1	419.8	167.8
Rhondda, Cynon, Taff	651.0	306.4	240.0	107.9	411.0	198.5
Merthyr Tydfil	171.7	320.5	66.0	120.1	105.7	200.4
Caerphilly	488.3	294.4	185.5	112.7	302.8	181.8
Blaenau Gwent	207.7	324.5	79.0	121.6	128.7	202.9
Torfaen	241.7	285.8	88.0	106.7	153.7	179.1
Monmouthshire	204.7	192.6	80.5	75.4	124.2	117.2
Newport	368.7	297.7	140.7	115.2	228.0	182.5

Avoidable, amenable & preventable mortality are classified according to ONS definitions;
amenable (treatable) mortality - deaths that could be avoided through timely and effective healthcare
preventable mortality - deaths that could be avoided by public health interventions
avoidable mortality – deaths that are amenable, preventable or both, where each death is counted only once

Source: Office for National Statistics

<https://www.ons.gov.uk/peoplepopulationandcommunity/healthandsocialcare/causesofdeath/datasets/avoidablemortalitybylocalauthorityinenglandandwales>

Next Update: Feb 2021

Mortality Indicator Ref No 4: Excess Winter Mortality Index (EWMI)											
Area Name	2007-08	2008-09	2009-10	2010-11	2011-12	2012-13	2013-14	2014-15	2015-16	2016-17	2017-18
Wales	14.2	25.1	17.3	20.4	12.7	18.0	10.2	24.9	17.4	17.6	32.3
Isle of Anglesey	:	30.5	28.2	35.5	:	14.1	16.7	28.2	9.0	:	46.1
Gwynedd	15.7	25.4	14.6	11.3	23.1	24.0	6.2	35.1	17.5	6.5	41.8
Conwy	10.7	27.3	23.6	15.1	5.3	15.6	3.5	20.0	28.3	19.8	42.3
Denbighshire	32.7	19.2	18.8	20.0	15.9	13.2	21.8	18.2	21.7	15.2	58.3
Flintshire	22.7	32.9	25.7	21.3	15.2	27.5	14.8	24.4	15.4	17.9	26.1
Wrexham	19.3	23.4	16.5	32.6	11.9	27.3	18.3	27.8	11.7	12.2	29.3
Powys	7.7	33.9	13.7	11.8	14.7	19.4	9.2	19.9	6.4	33.9	29.8
Ceredigion	9.0	39.7	13.8	19.5	:	19.4	6.9	13.8	20.9	17.7	19.0
Pembrokeshire	25.4	28.6	19.4	20.5	6.1	25.7	3.7	32.1	15.4	31.0	20.8
Carmarthenshire	12.9	22.5	16.2	20.6	4.3	14.2	9.2	24.7	15.9	15.3	40.3
Swansea	9.1	24.1	21.3	13.7	12.5	14.7	12.6	27.8	18.8	21.1	25.8
Neath Port Talbot	:	27.1	22.8	32.7	7.5	18.5	1.6	20.6	24.4	9.7	34.5
Bridgend	16.7	21.5	19.4	36.6	24.4	11.5	14.8	34.0	15.8	14.2	15.3
The Vale of Glamorgan	12.9	30.8	14.0	7.3	16.3	17.4	3.0	31.1	23.5	17.0	19.2
Cardiff	9.9	22.0	16.0	25.0	18.9	14.9	8.6	18.5	19.0	21.4	32.9
Rhondda Cynon Taf	20.5	26.3	11.5	12.3	10.0	17.5	4.5	20.8	16.0	11.9	35.8
Merthyr Tydfil	7.0	2.4	:	14.8	19.8	33.2	2.7	24.2	15.9	22.2	30.2
Caerphilly	23.6	22.8	23.2	29.2	12.3	15.9	20.8	27.6	24.6	26.7	28.7
Blaenau Gwent	34.0	16.4	17.0	21.5	12.1	11.2	25.5	11.7	11.2	10.2	36.8
Torfaen	17.1	30.6	18.7	21.7	16.3	19.1	:	39.8	14.9	25.7	37.3
Monmouthshire	23.7	20.5	20.0	18.6	9.2	33.4	16.0	24.1	8.5	11.6	36.2
Newport	:	23.0	2.1	15.0	30.7	9.4	12.1	27.3	18.5	18.5	35.6

Source: Office for National Statistics

The EWM index cannot be calculated where the number of EWD's is equal to zero or where there are a negative number of excess winter deaths.

Provisional 2017-18 Unitary Authority data not available from ONS

<https://www.ons.gov.uk/peoplepopulationandcommunity/birthsdeathsandmarriages/deaths/datasets/excesswintermortalityinenglandandwalesreferencetables>

Next Update: November 2020

Method for calculating excess winter mortality

Excess deaths

The ONS standard method defines the winter period as December to March, and compares the number of deaths that occurred in this winter period with the average number of deaths occurring in the preceding August to November and the following April to July:

$EWM = \text{winter deaths} - \text{average non-winter deaths}$

This produces the number of excess winter deaths, which is then rounded to the nearest 10 for final data and to the nearest 100 for provisional data.

Excess winter mortality index

The EWM index is calculated so that comparisons can be made between sexes, age groups and regions and is calculated as the number of excess winter deaths divided by the average non-winter deaths:

$EWM \text{ Index} = (EWM / \text{average non-winter deaths}) \times 100$

Mortality Indicator Ref No 5: Perinatal mortality deaths per 1,000 of still/live births

Live births, stillbirths and infant mortality statistics, 2018

Area of usual residence	Numbers						Mortality Rates ¹			
	Births		Deaths				Perinatal	Neonatal	Post-natal	Infant
	Live births	Stillbirths	Perinatal	Neonatal	Post-natal	Infant				
WALES	31,274	138	198	78	31	109	6.3	2.5	1	3.5
Aneurin Bevan	6,206	31	39	13	4	17	6.3	2.1 <i>u</i>	0.6 <i>u</i>	2.7 <i>u</i>
Betsi Cadwaladr	6,740	27	43	21	11	32	6.4	3.1	1.6 <i>u</i>	4.7
Cardiff and Vale	5,349	15	25	13	4	17	4.7	2.4 <i>u</i>	0.7 <i>u</i>	3.2 <i>u</i>
Cwm Taf Morgannwg	4,703	24	37	15	6	21	7.8	3.2 <i>u</i>	1.3 <i>u</i>	4.5
Hywel Dda	3,362	21	27	6	4	10	8.0	1.8 <i>u</i>	1.2 <i>u</i>	3.0 <i>u</i>
Powys Teaching	1,114	3	4	3	0	3	3.6 <i>u</i>	2.7 <i>u</i>	:	2.7 <i>u</i>
Swansea Bay	3,800	17	23	7	2	9	6.0	1.8 <i>u</i>	:	2.4 <i>u</i>

Note: Rates were not calculated where there were fewer than 3 deaths in a cell, denoted by (*u*). It is ONS practice not to calculate rates where there are fewer than 3 deaths in a cell, as rates based on such low numbers are susceptible to inaccurate interpretation. Rates which are based on between 3 and 19 deaths are displayed in tables but are denoted by (*u*) as a warning to the user that their reliability as a measure may be affected by the small number of events and ':' denotes data not available

¹ Perinatal deaths per 1,000 live births and stillbirths. Neonatal, postneonatal and infant deaths per 1,000 live births.

Source: Office for National Statistics

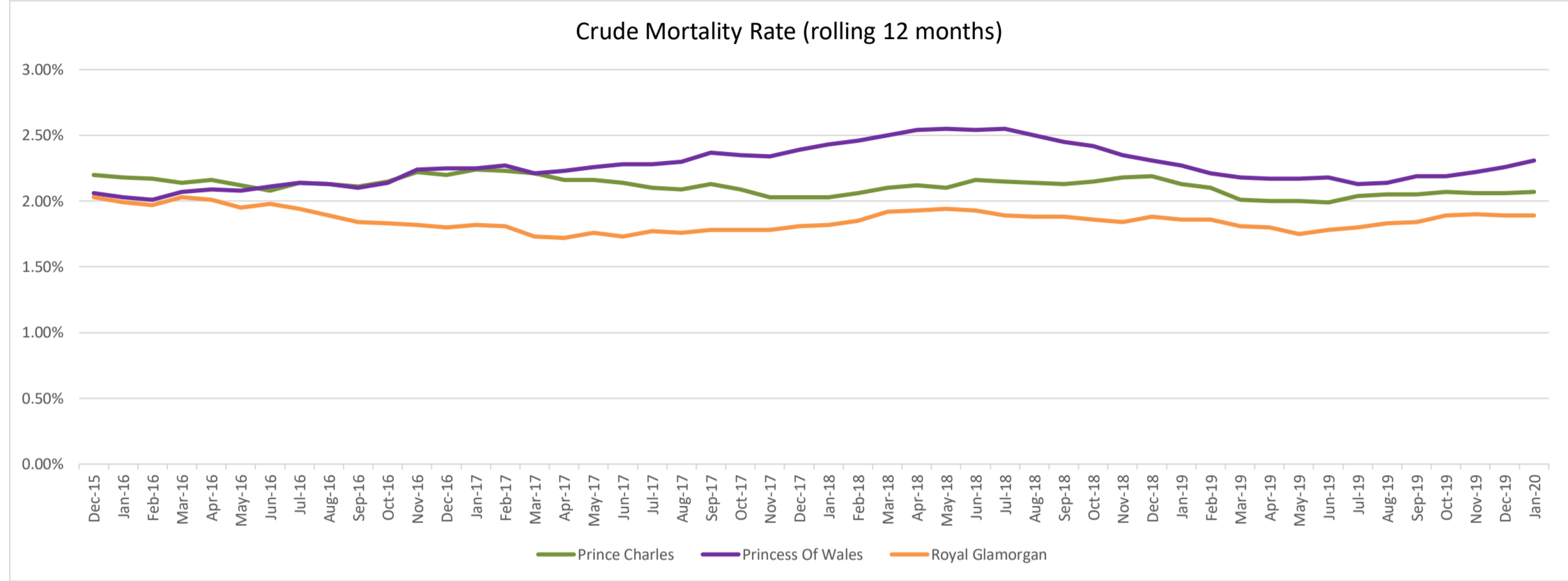
<https://www.ons.gov.uk/peoplepopulationandcommunity/birthsdeathsandmarriages/deaths/datasets/deathsregisteredinenglandandwalesseriesdrreferencetables>

Next Update: to be announced

Mortality Indicator Ref No 9 : Crude In-hospital Mortality Rate

Rolling Annual Period	Prince Charles	Princess Of Wales	Royal Glamorgan
	%	%	%
Dec-15	2.20%	2.06%	2.03%
Jan-16	2.18%	2.03%	1.99%
Feb-16	2.17%	2.01%	1.97%
Mar-16	2.14%	2.07%	2.03%
Apr-16	2.16%	2.09%	2.01%
May-16	2.12%	2.08%	1.95%
Jun-16	2.08%	2.11%	1.98%
Jul-16	2.14%	2.14%	1.94%
Aug-16	2.13%	2.13%	1.89%
Sep-16	2.11%	2.10%	1.84%
Oct-16	2.15%	2.14%	1.83%
Nov-16	2.22%	2.24%	1.82%
Dec-16	2.20%	2.25%	1.80%
Jan-17	2.24%	2.25%	1.82%
Feb-17	2.23%	2.27%	1.81%
Mar-17	2.21%	2.21%	1.73%
Apr-17	2.16%	2.23%	1.72%
May-17	2.16%	2.26%	1.76%
Jun-17	2.14%	2.28%	1.73%
Jul-17	2.10%	2.28%	1.77%
Aug-17	2.09%	2.30%	1.76%
Sep-17	2.13%	2.37%	1.78%
Oct-17	2.09%	2.35%	1.78%
Nov-17	2.03%	2.34%	1.78%
Dec-17	2.03%	2.39%	1.81%
Jan-18	2.03%	2.43%	1.82%
Feb-18	2.06%	2.46%	1.85%
Mar-18	2.10%	2.50%	1.92%
Apr-18	2.12%	2.54%	1.93%
May-18	2.10%	2.55%	1.94%
Jun-18	2.16%	2.54%	1.93%
Jul-18	2.15%	2.55%	1.89%
Aug-18	2.14%	2.50%	1.88%
Sep-18	2.13%	2.45%	1.88%
Oct-18	2.15%	2.42%	1.86%
Nov-18	2.18%	2.35%	1.84%
Dec-18	2.19%	2.31%	1.88%
Jan-19	2.13%	2.27%	1.86%
Feb-19	2.10%	2.21%	1.86%
Mar-19	2.01%	2.18%	1.81%
Apr-19	2.00%	2.17%	1.80%
May-19	2.00%	2.17%	1.75%
Jun-19	1.99%	2.18%	1.78%
Jul-19	2.04%	2.13%	1.80%
Aug-19	2.05%	2.14%	1.83%
Sep-19	2.05%	2.19%	1.84%
Oct-19	2.07%	2.19%	1.89%
Nov-19	2.06%	2.22%	1.90%
Dec-19	2.06%	2.26%	1.89%
Jan-20	2.07%	2.31%	1.89%

Source: CHKS (Cwm Taf Morgannwg)
Run Date: 5th March 2020

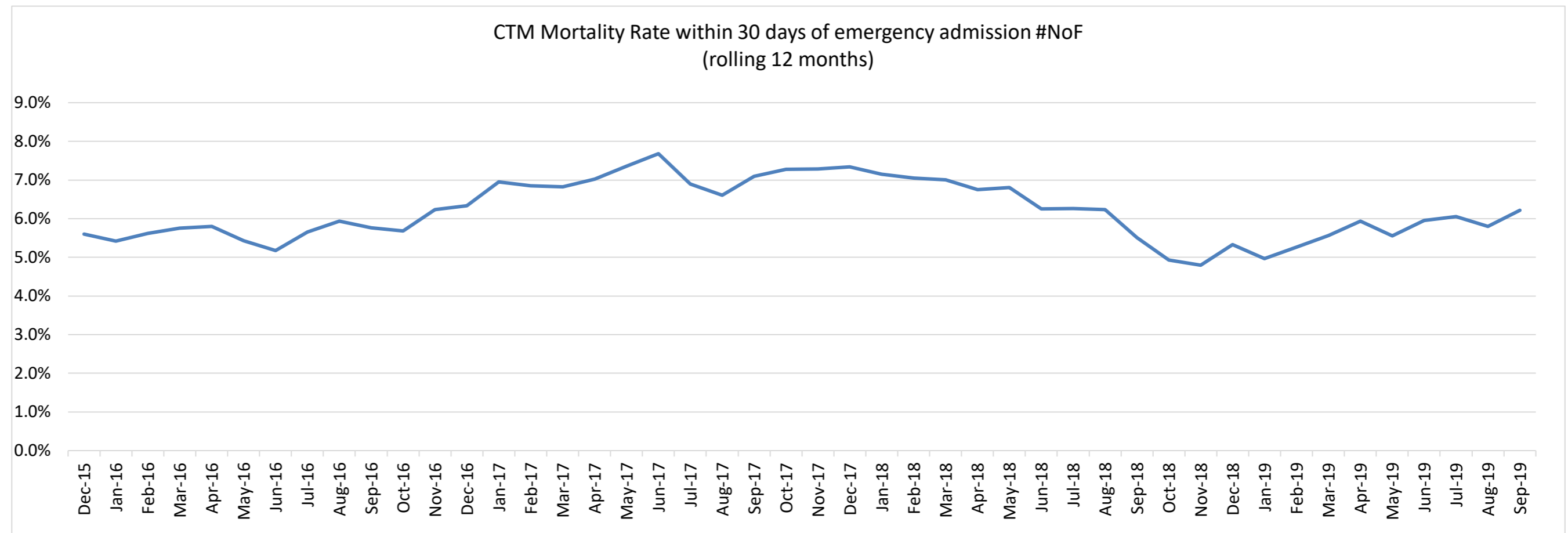


Mortality Indicator Ref No 10 : Rate of deaths in hospital within 30 days of emergency admission with a hip fracture (NoF) aged >64

Rolling 12 Month Period	Cwm Taf Morgannwg
Dec-15	5.6%
Jan-16	5.4%
Feb-16	5.6%
Mar-16	5.8%
Apr-16	5.8%
May-16	5.4%
Jun-16	5.2%
Jul-16	5.7%
Aug-16	5.9%
Sep-16	5.8%
Oct-16	5.7%
Nov-16	6.2%
Dec-16	6.3%
Jan-17	6.9%
Feb-17	6.8%
Mar-17	6.8%
Apr-17	7.0%
May-17	7.4%
Jun-17	7.7%
Jul-17	6.9%
Aug-17	6.6%
Sep-17	7.1%
Oct-17	7.3%
Nov-17	7.3%
Dec-17	7.3%
Jan-18	7.2%
Feb-18	7.1%
Mar-18	7.0%
Apr-18	6.8%
May-18	6.8%
Jun-18	6.3%
Jul-18	6.3%
Aug-18	6.2%
Sep-18	5.5%
Oct-18	4.9%
Nov-18	4.8%
Dec-18	5.3%
Jan-19	5.0%
Feb-19	5.3%
Mar-19	5.6%
Apr-19	5.9%
May-19	5.6%
Jun-19	6.0%
Jul-19	6.1%
Aug-19	5.8%
Sep-19	6.2%

Source: CHKS

Run Date: 3rd March 2020

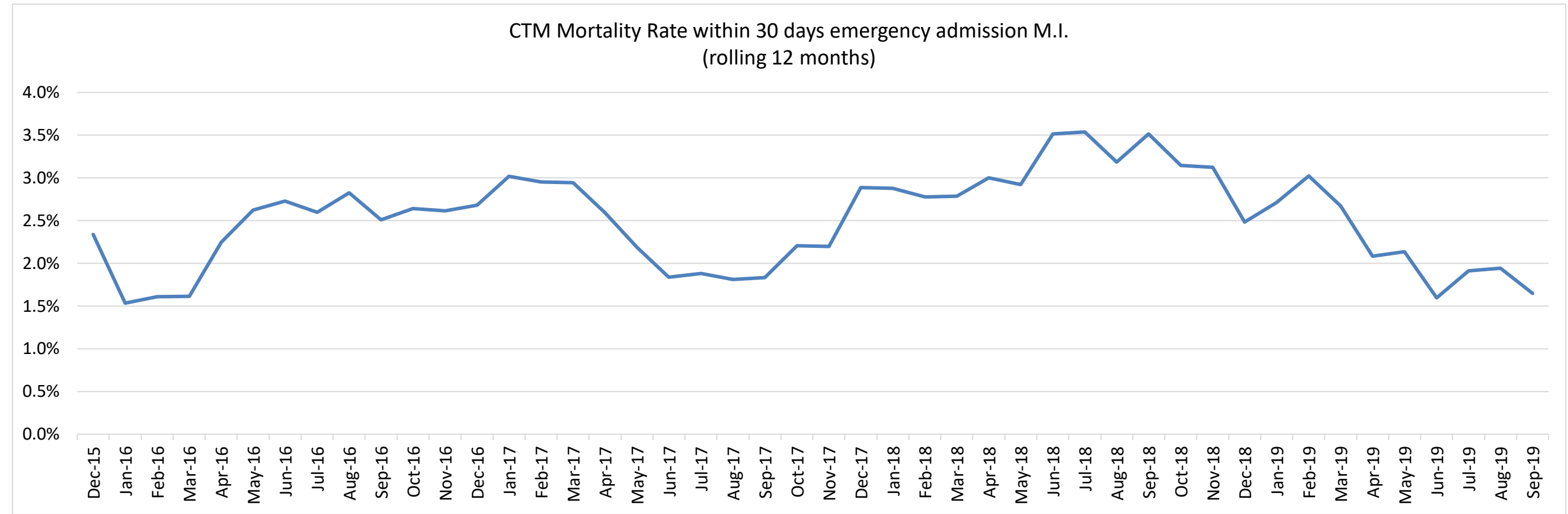


Mortality Indicator Ref No 11 : Rate of deaths in hospital within 30 days of emergency admission with a heart attack (MI) aged 35 to 74

Rolling 12 Month Period	Cwm Taf Morgannwg
Dec-15	2.3%
Jan-16	1.5%
Feb-16	1.6%
Mar-16	1.6%
Apr-16	2.2%
May-16	2.6%
Jun-16	2.7%
Jul-16	2.6%
Aug-16	2.8%
Sep-16	2.5%
Oct-16	2.6%
Nov-16	2.6%
Dec-16	2.7%
Jan-17	3.0%
Feb-17	3.0%
Mar-17	2.9%
Apr-17	2.6%
May-17	2.2%
Jun-17	1.8%
Jul-17	1.9%
Aug-17	1.8%
Sep-17	1.8%
Oct-17	2.2%
Nov-17	2.2%
Dec-17	2.9%
Jan-18	2.9%
Feb-18	2.8%
Mar-18	2.8%
Apr-18	3.0%
May-18	2.9%
Jun-18	3.5%
Jul-18	3.5%
Aug-18	3.2%
Sep-18	3.5%
Oct-18	3.1%
Nov-18	3.1%
Dec-18	2.5%
Jan-19	2.7%
Feb-19	3.0%
Mar-19	2.7%
Apr-19	2.1%
May-19	2.1%
Jun-19	1.6%
Jul-19	1.9%
Aug-19	1.9%
Sep-19	1.7%

Source: CHKS

Run Date: 3rd March 2020

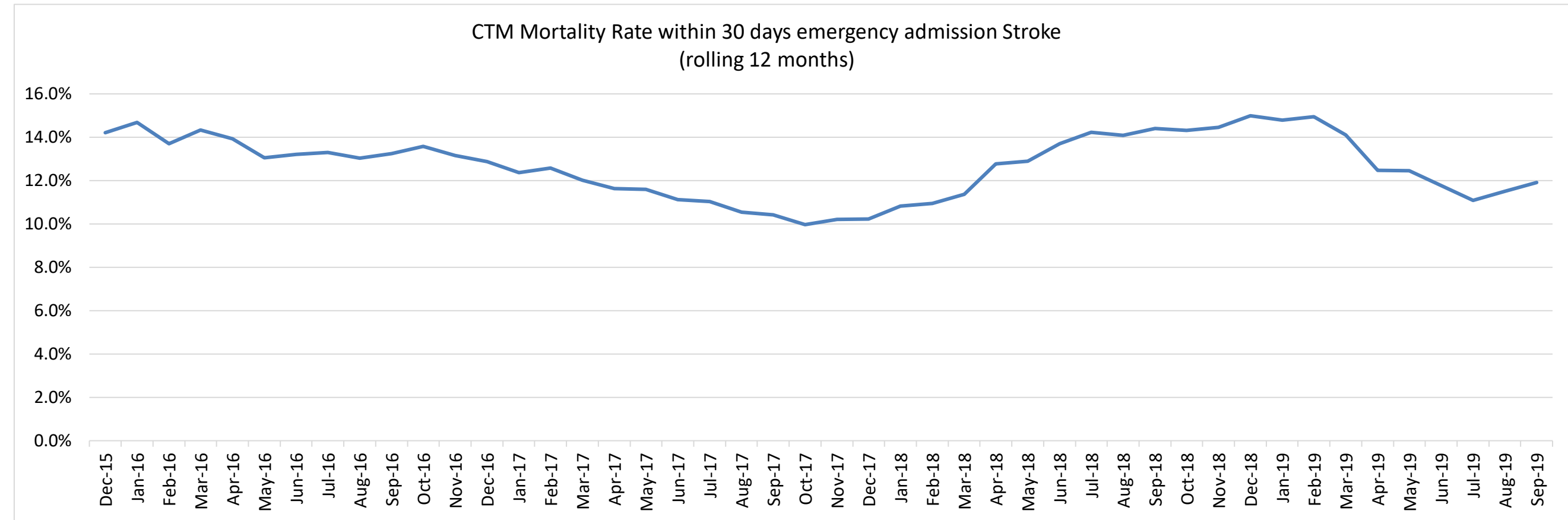


Mortality Indicator Ref No 12 : Rate of deaths in hospital within 30 days of emergency admission for a stroke

Rolling 12 Month Period	Cwm Taf Morgannwg
Dec-15	14.2%
Jan-16	14.7%
Feb-16	13.7%
Mar-16	14.3%
Apr-16	13.9%
May-16	13.0%
Jun-16	13.2%
Jul-16	13.3%
Aug-16	13.0%
Sep-16	13.3%
Oct-16	13.6%
Nov-16	13.2%
Dec-16	12.9%
Jan-17	12.4%
Feb-17	12.6%
Mar-17	12.0%
Apr-17	11.6%
May-17	11.6%
Jun-17	11.1%
Jul-17	11.0%
Aug-17	10.5%
Sep-17	10.4%
Oct-17	10.0%
Nov-17	10.2%
Dec-17	10.2%
Jan-18	10.8%
Feb-18	10.9%
Mar-18	11.4%
Apr-18	12.8%
May-18	12.9%
Jun-18	13.7%
Jul-18	14.2%
Aug-18	14.1%
Sep-18	14.4%
Oct-18	14.3%
Nov-18	14.5%
Dec-18	15.0%
Jan-19	14.8%
Feb-19	15.0%
Mar-19	14.1%
Apr-19	12.5%
May-19	12.5%
Jun-19	11.8%
Jul-19	11.1%
Aug-19	11.5%
Sep-19	11.9%

Source: CHKS

Run Date: 3rd March 2020



Mortality Indicator Ref No 14 : Rate of deaths in hospital within 30 days of elective surgery

Rolling 12 Month Period	Cwm Taf Morgannwg
Dec-15	0.10%
Jan-16	0.10%
Feb-16	0.08%
Mar-16	0.06%
Apr-16	0.06%
May-16	0.06%
Jun-16	0.07%
Jul-16	0.09%
Aug-16	0.09%
Sep-16	0.06%
Oct-16	0.10%
Nov-16	0.11%
Dec-16	0.11%
Jan-17	0.11%
Feb-17	0.12%
Mar-17	0.12%
Apr-17	0.11%
May-17	0.11%
Jun-17	0.10%
Jul-17	0.10%
Aug-17	0.11%
Sep-17	0.12%
Oct-17	0.09%
Nov-17	0.06%
Dec-17	0.05%
Jan-18	0.06%
Feb-18	0.05%
Mar-18	0.05%
Apr-18	0.05%
May-18	0.05%
Jun-18	0.06%
Jul-18	0.05%
Aug-18	0.04%
Sep-18	0.03%
Oct-18	0.03%
Nov-18	0.03%
Dec-18	0.03%
Jan-19	0.01%
Feb-19	0.01%
Mar-19	0.01%
Apr-19	0.01%
May-19	0.01%
Jun-19	0.00%
Jul-19	0.03%
Aug-19	0.03%
Sep-19	0.03%
Source: CHKS	
Run Date: 3rd March 2020	

Mortality Indicator Ref No 15 : Rate of deaths in hospital within 30 days of non-elective surgery	
Rolling 12 Month Period	Cwm Taf Morgannwg
Dec-15	1.63%
Jan-16	1.74%
Feb-16	1.67%
Mar-16	1.67%
Apr-16	1.70%
May-16	1.66%
Jun-16	1.62%
Jul-16	1.69%
Aug-16	1.69%
Sep-16	1.68%
Oct-16	1.62%
Nov-16	1.62%
Dec-16	1.57%
Jan-17	1.44%
Feb-17	1.47%
Mar-17	1.40%
Apr-17	1.36%
May-17	1.39%
Jun-17	1.36%
Jul-17	1.27%
Aug-17	1.21%
Sep-17	1.24%
Oct-17	1.27%
Nov-17	1.29%
Dec-17	1.34%
Jan-18	1.38%
Feb-18	1.38%
Mar-18	1.35%
Apr-18	1.35%
May-18	1.34%
Jun-18	1.34%
Jul-18	1.33%
Aug-18	1.32%
Sep-18	1.26%
Oct-18	1.20%
Nov-18	1.13%
Dec-18	1.12%
Jan-19	1.15%
Feb-19	1.14%
Mar-19	1.19%
Apr-19	1.22%
May-19	1.26%
Jun-19	1.27%
Jul-19	1.30%
Aug-19	1.32%
Sep-19	1.29%
Source: CHKS	
Run Date: 3rd March 2020	

Accident & Emergency (Major Units) Crude Mortality Rates

Deaths per 10,000 Attendances			
Rolling Annual Period	Prince Charles	Princess Of Wales	Royal Glamorgan
Apr-2012	32.1	14.1	13.1
May-2012	30.7	14.8	13.5
Jun-2012	30.0	16.0	13.5
Jul-2012	28.9	15.6	13.9
Aug-2012	27.8	15.0	14.1
Sep-2012	28.0	14.8	14.3
Oct-2012	26.2	16.2	15.4
Nov-2012	25.2	17.4	16.2
Dec-2012	23.1	17.8	16.5
Jan-2013	22.0	18.6	17.1
Feb-2013	21.0	17.6	17.2
Mar-2013	20.7	18.4	18.7
Apr-2013	21.5	18.4	18.3
May-2013	21.4	18.8	17.6
Jun-2013	20.7	19.2	17.4
Jul-2013	22.0	19.7	16.7
Aug-2013	21.3	20.3	17.5
Sep-2013	21.8	20.1	18.0
Oct-2013	21.5	19.5	17.7
Nov-2013	21.9	19.1	17.1
Dec-2013	21.6	18.8	18.1
Jan-2014	20.7	18.3	18.6
Feb-2014	20.3	19.2	18.8
Mar-2014	18.6	19.1	17.0
Apr-2014	17.2	19.1	16.9
May-2014	17.2	18.4	16.9
Jun-2014	17.7	18.2	17.3
Jul-2014	17.9	19.1	17.8
Aug-2014	20.0	19.6	16.7
Sep-2014	20.0	20.3	15.4
Oct-2014	20.9	20.6	15.7
Nov-2014	20.1	19.7	15.4
Dec-2014	21.3	20.0	15.5
Jan-2015	22.0	22.7	15.4
Feb-2015	22.1	23.4	15.0
Mar-2015	23.4	23.3	15.7
Apr-2015	24.3	23.4	16.1
May-2015	26.1	23.9	17.0
Jun-2015	26.3	24.0	16.5
Jul-2015	25.0	23.6	16.6
Aug-2015	22.9	23.1	17.0
Sep-2015	21.8	21.7	17.9
Oct-2015	22.2	22.0	16.7
Nov-2015	23.3	22.4	16.5
Dec-2015	21.5	23.0	15.0
Jan-2016	21.0	19.5	15.1
Feb-2016	20.8	18.1	15.4
Mar-2016	19.4	17.8	15.2
Apr-2016	18.9	17.3	15.2
May-2016	17.9	16.8	14.7
Jun-2016	17.4	16.3	14.6
Jul-2016	17.2	16.4	14.6
Aug-2016	17.8	15.4	14.3
Sep-2016	18.8	16.2	13.7
Oct-2016	18.2	15.2	14.7
Nov-2016	18.5	15.9	15.1
Dec-2016	18.8	15.8	14.4
Jan-2017	19.1	17.2	14.7
Feb-2017	19.1	17.6	13.8
Mar-2017	19.4	18.3	13.6
Apr-2017	19.9	18.0	13.7
May-2017	20.1	17.6	13.8
Jun-2017	20.6	17.0	14.1
Jul-2017	22.0	17.1	13.5
Aug-2017	21.6	17.2	14.1
Sep-2017	21.9	17.9	14.2
Oct-2017	22.1	18.2	13.8
Nov-2017	20.7	16.9	14.2
Dec-2017	21.5	15.3	14.9
Jan-2018	22.1	14.6	15.3
Feb-2018	23.0	14.1	17.1
Mar-2018	23.4	13.6	17.5
Apr-2018	23.7	14.2	17.0
May-2018	22.7	13.9	16.8
Jun-2018	21.7	13.7	16.7
Jul-2018	20.6	12.9	16.3
Aug-2018	20.4	13.8	15.6
Sep-2018	19.5	12.9	15.6
Oct-2018	18.6	13.5	16.3
Nov-2018	19.0	15.1	15.9
Dec-2018	18.3	15.9	15.5
Jan-2019	17.3	15.6	14.5
Feb-2019	17.2	16.2	13.6
Mar-2019	16.4	16.1	13.6
Apr-2019	15.6	15.8	13.2
May-2019	15.1	16.7	13.0
Jun-2019	15.5	17.2	13.2
Jul-2019	16.0	16.8	12.4
Aug-2019	17.2	16.0	12.9
Sep-2019	17.8	15.9	13.0
Oct-2019	18.0	16.7	12.7
Nov-2019	17.5	15.6	12.5
Dec-2019	17.5	15.5	13.0
Jan-2020	17.7	15.6	13.5

Source: EDDS Data Mart
Run Date: 17th February 2020

Mortality Indicator Ref No 17 : % Clinical Coding Completeness	
Rolling Annual Period	Cwm Taf Morgannwg
	%
Dec-2015	98.75%
Jan-2016	99.09%
Feb-2016	98.57%
Mar-2016	98.56%
Apr-2016	99.79%
May-2016	99.66%
Jun-2016	99.21%
Jul-2016	99.11%
Aug-2016	99.15%
Sep-2016	99.23%
Oct-2016	99.09%
Nov-2016	99.26%
Dec-2016	99.28%
Jan-2017	98.57%
Feb-2017	98.74%
Mar-2017	98.82%
Apr-2017	98.64%
May-2017	97.73%
Jun-2017	97.63%
Jul-2017	99.45%
Aug-2017	99.36%
Sep-2017	98.81%
Oct-2017	99.21%
Nov-2017	98.78%
Dec-2017	98.38%
Jan-2018	98.45%
Feb-2018	97.84%
Mar-2018	97.38%
Apr-2018	99.01%
May-2018	98.95%
Jun-2018	98.83%
Jul-2018	98.75%
Aug-2018	98.81%
Sep-2018	99.01%
Oct-2018	98.96%
Nov-2018	99.06%
Dec-2018	98.99%
Jan-2019	98.85%
Feb-2019	98.68%
Mar-2019	98.37%
Apr-2019	91.92%
May-2019	80.26%
Jun-2019	71.72%
Jul-2019	84.50%
Aug-2019	93.98%
Sep-2019	91.34%

Source: CHKS (Cwm Taf Morgannwg)
Run Date: 5th March 2020

Mortality Indicator Ref No 20: % of Deaths in Hospital by Place of Occurrence

Percentage of deaths by place of occurrence 2018

LHB Area	Home	Care Home		Hospices		Hospitals (acute or community not psychiatric)		Other communal establishments	Elsewhere
		Local Authority	Non-Local Authority	NHS	Non-NHS	NHS	Non-NHS		
Betsi Cadwaladr University	22.0%	1.3%	18.2%	0.0%	3.8%	52.4%	0.0%	0.1%	2.1%
Powys Teaching	24.5%	3.6%	15.2%	0.0%	3.1%	51.9%	0.0%	0.0%	1.7%
Hywel Dda	27.6%	1.9%	18.0%	0.0%	0.9%	49.1%	0.0%	0.1%	2.4%
Aneurin Bevan	26.1%	1.1%	14.4%	0.0%	2.0%	54.2%	0.0%	0.2%	1.8%
Cardiff and Vale University	22.7%	0.4%	16.9%	0.0%	6.5%	51.2%	0.0%	0.0%	2.2%
Cwm Taf Morgannwg	22.6%	1.3%	11.8%	1.6%	0.1%	59.2%	0.0%	0.3%	3.0%
Swansea Bay	25.0%	0.5%	18.3%	0.0%	0.1%	52.5%	0.0%	0.8%	2.9%
WALES	24.2%	1.3%	16.3%	0.2%	2.4%	53.1%	0.0%	0.2%	2.3%

Number of deaths by place of occurrence 2018

LHB Area	Home	Care Home		Hospices		Hospitals (acute or community not psychiatric)		Other communal establishments	Elsewhere	Total Deaths
		Local Authority	Non-Local Authority	NHS	Non-NHS	NHS	Non-NHS			
Betsi Cadwaladr University	1,798	103	1,487	0	309	4,275	0	12	172	8,156
Powys Teaching	416	61	258	0	53	883	0	0	29	1,700
Hywel Dda	1,304	90	851	1	42	2,317	0	7	111	4,723
Aneurin Bevan	1,638	72	906	0	127	3,404	0	13	116	6,276
Cardiff and Vale University	973	16	725	0	280	2,197	0	2	96	4,289
Cwm Taf Morgannwg	1,113	66	582	80	3	2,913	0	15	147	4,919
Swansea Bay	1,084	23	794	0	3	2,281	0	33	125	4,343
WALES	8,326	431	5,603	81	817	18,270	0	82	796	34,406

Source: ONS

<https://www.ons.gov.uk/peoplepopulationandcommunity/birthsdeathsandmarriages/deaths/datasets/deathsregisteredinenglandandwalesseriesdrreferencetables>

Next Update: to be announced

Mortality Indicator Ref No 21: Deprivation % of Lower-layer Super Output Areas in Most Deprived 20%

Welsh Index of Multiple Deprivation (WIMD) 2019

UA Area	Number of LSOAs	% of LSOAs in most deprived 10%	% of LSOAs in most deprived 20%	% of LSOAs in most deprived 30%	% of LSOAs in most deprived 50%
Isle of Anglesey	44	2%	14%	18%	39%
Gwynedd	73	3%	5%	8%	34%
Conwy	71	6%	13%	20%	41%
Denbighshire	58	12%	16%	22%	47%
Flintshire	92	3%	11%	20%	32%
Wrexham	85	7%	12%	28%	41%
Powys	79	1%	6%	11%	24%
Ceredigion	46	2%	4%	7%	46%
Pembrokeshire	71	6%	11%	15%	42%
Carmarthenshire	112	4%	11%	27%	54%
Swansea	148	11%	24%	31%	46%
Neath Port Talbot	91	15%	33%	45%	69%
Bridgend	88	7%	20%	40%	56%
Vale of Glamorgan	79	4%	13%	19%	35%
Rhondda Cynon Taf	154	18%	29%	45%	71%
Merthyr Tydfil	36	22%	31%	50%	78%
Caerphilly	110	10%	24%	38%	63%
Blaenau Gwent	47	13%	45%	64%	85%
Torfaen	60	5%	32%	42%	57%
Monmouthshire	56	0%	2%	5%	20%
Newport	95	24%	35%	40%	60%
Cardiff	214	18%	28%	35%	49%
Wales	1909	10%	20%	30%	50%

Source: StatsWales

Next Update: to be confirmed

<https://statswales.gov.wales/Catalogue/Community-Safety-and-Social-Inclusion/Welsh-Index-of-Multiple-Deprivation/WIMD-2019/localauthorityanalysis>