

Wales

- This report covers the surveillance period Apr – Sep 13. Data for this time period is provisional. The next bi-annual report will provide confirmed data for Apr 13 – Mar 14.
- Trend data is from Apr 10, when surveillance of total *C. difficile* began in Wales.
- Numbers of *C. difficile* include cases from all patients aged 2 and over.
- All ages are included in the hospital admission and population numbers used to calculate rates.
- Hospital admission data has been supplied by NHS Wales Informatics Service (NWIS).
- Population data has been extracted from <https://statswales.wales.gov.uk/Catalogue/Population-and-Migration/Population/Estimates>

Wales *C. difficile*, Apr – Sep 13

- 902 cases of *C. difficile* have been reported for the 6 month period. This is a 9.62% decrease in numbers compared to the equivalent period last year. The rate of *C. difficile* per 1,000 hospital admissions has decreased by 8.71%, from 4.52 to 4.13. (Table 1.)
- 4 of the 8 health boards/NHS trust have decreased in numbers for the 6 month period.
- Compared to Apr – Sep 10, there has been a 42.29% decrease in the number of *C. difficile* and a 40.84% decrease in the rate of *C. difficile* per 1,000 hospital admissions. (Table 2.)
- 67% (601) of cases were diagnosed in the 17 major and specialist acute hospitals, 14% (125) diagnosed in non-acute hospitals and 19% (175) in non-hospital locations. 1 location was not specified. (Table 2.)
- 71% (636) of cases were diagnosed in hospital inpatient locations. The inpatient rate is 2.91 per 1,000 hospital admissions for this period.
- 57% (513) of *C. difficile* were in female patients and 82% (736) were in patients aged 66+ for the 6 month period.
- The rate of *C. difficile* per 100,000 population has decreased by 9.62% compared to the equivalent period last year, from 64.75 to 58.52. (Table 1.)
- Compared to Apr – Sep 10, the rate of *C. difficile* per 100,000 population has decreased by 42.74%. (Table 2.)

Table 1. Wales numbers of *C. difficile*, percentage change in numbers (from Apr 12 – Sep 12) and rates per 1,000 hospital admissions and 100,000 population by major acute health board, Apr 13 – Sep 13

Health Board/NHS Trust	Number of <i>C. difficile</i>	% change in the number of <i>C. difficile</i>	<i>C. difficile</i> /1,000 hospital admissions	<i>C. difficile</i> /100,000 population
ABM University	127	+7.63% (118)	3.04	48.76
Aneurin Bevan	232	+5.45% (220)	5.55	80.06
Betsi Cadwaladr University	252	-23.40% (329)	5.38	72.80
Cardiff and Vale University	140	-19.54% (174)	4.09	58.75
Cwm Taf	46	-4.17% (48)	1.84	31.15
Hywel Dda	83	-13.54% (96)	3.13	43.18
Powys Teaching	14	+75% (8)	13.63	21.00
Velindre	8	+60% (5)	7.76	N/A
Wales	902	-9.62 (998)	4.13	58.52
All Wales average	113		5.55	50.81
All Wales median	105		4.74	48.76

Table 2. Wales quarterly numbers and rates of *C. difficile* per 1,000 hospital admissions and 100,000 population, Apr 10 – Sep 13

Qtr/Yr	Number of <i>C. difficile</i>	Number of hospital admissions	<i>C. difficile</i> /1,000 hospital admissions	Population*	<i>C. difficile</i> /100,000 population
FY** Apr 10 – Mar 11	2795	448561	6.23	3049971	91.64
Apr – Jun 10	838	112579	7.44	760404	110.20
Jul - Sep 10	725	111276	6.52	768760	94.31
Oct – Dec 10	613	112061	5.47	768760	79.74
Jan – Mar 11	619	112645	5.50	752048	82.31
FY Apr 11 – Mar 12	2142	455772	4.70	3063758	69.91
Apr – Jun 11	683	111430	6.13	763841	89.42
Jul - Sep 11	531	113391	4.68	772235	68.76
Oct – Dec 11	447	116271	3.84	772235	57.88
Jan – Mar 12	481	114680	4.19	755447	63.67
FY Apr 12 – Mar 13	1934	439792	4.40	3074067	62.91
Apr – Jun 12	484	110523	4.38	766411	63.15
Jul - Sep 12	514	110051	4.67	774833	66.34
Oct – Dec 12	470	112746	4.17	774833	60.66
Jan – Mar 13	466	106472	4.38	757989	61.48
FY Apr 13 – Mar 14***					
Apr – Jun 12	452	109059	4.14	766411	58.98
Jul - Sep 12	450	109307	4.12	774833	58.08

*Quarterly population = (Total population/Number of days in year) x Number of days in quarter

**FY = Financial Year

***Data for FY Apr 13 – Mar 14 are provisional

Figure 1. All Wales monthly rates of *C. difficile* per 1,000 hospital admissions, Apr 10 – Sep 13

