

Vaccine Uptake in Children in Wales October to December 2013

COVER 109: Wales February 2014



Key points

- Uptake of all scheduled immunisations, except Men C, in children less than one year of age exceeded the 95% uptake target this quarter. Nineteen Local Authority (LA) areas exceeded the 95% uptake target for the “5 in 1” and pneumococcal conjugate immunisations in one year olds.
- Uptake of the first dose of MMR vaccine in two year old children was 97% and ranged by LA from 93% to 99%. Twenty one LA areas and all seven Health Boards achieved the target of 95% uptake.
- This quarter, 88% of children were up to date with all routine immunisations by four years of age.
- Uptake of the second MMR dose by five years of age remained stable at 93% this quarter.
- Uptake of 4 in 1 pre-school booster in five year old children increased to 94% this quarter.
- Uptake of the first dose of Human Papillomavirus (HPV) vaccine in girls in the 2013-14 School Year 8 was 87%. Coverage of a complete three dose course in girls in the 2012-2013 School Year 8 was 85%.
- Coverage of one dose of MMR vaccine in 16 year olds decreased to 95% this quarter and coverage of a completed two dose course remained at 89%.

These results are for children living in Wales in December 2013 and reaching their first, second, fourth, fifth, 15th and 16th birthdays during the quarter 01/10/2013 to 31/12/2013. Uptake of HPV vaccination¹ in girls in the 2013-14 School Year 8 (reaching their 13th birthday between 01/09/2013 and 31/08/2014) is presented, along with coverage in the previous School Year 8 groups. BCG and hepatitis B immunisation uptake data are also presented here. BCG and hepatitis B immunisations are not part of the routine childhood schedule and are given selectively following risk assessment; further information on circumstances in which these immunisations should be given can be found in: Immunisation Against Infectious Disease (The Green Book, available from <http://immunisation.dh.gov.uk/category/the-green-book/>).

Findings

1. Uptake of all three doses of the combined “5 in 1” DTaP/IPV/Hib² vaccine, scheduled at 2, 3 and 4 months of age, in children reaching their first birthday this quarter decreased to 96.5% compared to 96.7% last quarter. Uptake ranged by Health Board from 93.3% to 98.4% and by Local Authority (LA) from 92.3% (Cardiff) to 99.0% (Anglesey). Twenty of the 22 LA areas achieved the target 95% uptake (Figures 2 and 4, Tables 2 and 3).
2. National uptake of a completed two dose course of MenC³ vaccine in children reaching their first birthday this quarter was 93.5% (compared to 95.9% last quarter). Uptake in Health Boards ranged from 89.0% to 97.0% and ranged by LA from 87.8% (Cardiff) to

¹ HPV vaccination protects girls against cervical cancer associated with HPV types 16 and 18.

² DTaP/IPV/Hib vaccine protects against Diphtheria, Tetanus, Pertussis (Whooping Cough), Polio and Hib infection.

³ Men C vaccine protects against meningitis caused by meningococcus group C infection. PCV protects against pneumococcal meningitis, bacteraemia, pneumonia and otitis media. Children reaching one year of age this quarter have been scheduled for the two dose course of pneumococcal conjugate vaccination (PCV) at two and four months of age and the two dose MenC primary course scheduled at three and four months of age. Children reaching 2 years of age this quarter should have been offered a routine dose of the Hib/ MenC and PCV at 12 to 13 months of age.

98.0% (Merthyr Tydfil). Nine LA areas achieved an uptake in excess of the 95% target (Figure 2, Tables 2 and 3). These children are the last, full quarterly cohort of children that would have been scheduled to receive a two dose primary course of Men C vaccine, before the removal of the four month dose from the routine schedule in June 2013.

3. Uptake of a complete two dose primary course of pneumococcal conjugate vaccination (PCV2²) in children reaching their first birthday was 96.2% this quarter (compared to 96.4% last quarter), ranging by LA from 91.8% (Cardiff) to 99.0% (Anglesey). Nineteen LA areas achieved the target 95% uptake (Figure 2, Table 3).
4. Uptake of the first dose of MMR⁴ in children reaching their second birthday (scheduled at 12 to 13 months of age) was 96.6% this quarter (compared to 98.4% last quarter) and ranged by LA from 92.6% (Monmouthshire) to 98.5% (Bridgend) (Figures 2 and 5, Tables 2 and 4). All seven Health Boards and twenty one LA areas achieved the target of 95% uptake.
5. Uptake of the final dose of Pneumococcal Conjugate Vaccine (PCVf, scheduled at 12 to 13 months of age) by the second birthday remained stable at 96.4%. Uptake by LA ranged from 92.6% (Monmouthshire) to 98.4% (Flintshire) (Tables 2, 4). Nineteen LA areas achieved an uptake in excess of 95%.
6. Uptake of the Hib/MenC booster (given at 12 months of age) in children reaching two years of age was 95.4% during this quarter (compared to 95.8% last quarter), ranging by LA from 92.2% (Monmouthshire) to 97.8% (Bridgend) (Tables 2, 4). Fifteen LA areas achieved uptakes in excess of 95%.
7. In children reaching four years of age this quarter, coverage of the 4 in 1 preschool booster was 92.1%, coverage of a complete course of pneumococcal conjugate vaccine was 94.1%, coverage of the Hib/MenC booster was 94.7% and uptake of two doses of MMR was 92.2% (Table 5). The proportion of children who were up to date with all their routine immunisations at four years of age increased from 87.2% last quarter to 87.5% this quarter (Table 1). This ranged by HB from 84.3% (Cardiff and Vale University HB) to 90.5% (Betsi Cadwaladr University HB) and by LA from 80.0% (Newport) to 94.7% (Merthyr Tydfil) (Figure 3).
8. In children reaching five years of age this quarter, coverage of one dose of MMR decreased to 97.0% (from 98.3% last quarter). Uptake of two doses of MMR remained stable at 92.6%. Uptake of two doses of MMR ranged by Health Board from 89.5% (Powys Teaching HB) to 93.4% (Abertawe Bro Morgannwg University HB and Betsi Cadwaladr University HB) and by LA from 87.4% (Monmouthshire) to 94.7% (Flintshire) (Figure 6, Table 6). No LA areas exceeded 95% uptake for two doses of MMR by five years of age but nineteen LA areas exceeded 90%.
9. Uptake of the "4 in 1" DTaP/IPV⁵ pre-school booster in children reaching their fifth birthday increased to 93.7% this quarter (from 93.1% last quarter), ranging by Health Board from 91.8% (Powys Teaching HB) to 94.5% (Abertawe Bro Morgannwg University HB and Betsi Cadwaladr University HB) and by LA from 87.4% (Monmouthshire) to 96.0% (Flintshire) (Tables 2, 6). Six LA areas achieved the 95% uptake target and fourteen LA areas had uptakes in excess of 90% (Figure 7).
10. Coverage of a two dose primary course of MenC in children reaching their fifth birthday this quarter increased to 94.7% this quarter compared to 94.2% last quarter (Table 6). Coverage ranged by Health Board from 89.5% (Powys Teaching HB) to 96.5% (Cwm Taf University HB) and by LA from 88.7% (Monmouthshire) to 98.2% (Blaenau Gwent).
11. Uptake of the first dose of HPV vaccine in girls in the 2013-14 School Year 8 was 87.4% (Table 7), uptake of two doses was 73.6%. Data entry for HPV dose two immunisation sessions would still have been underway at the time that data for this report was extracted and uptake is expected to increase. Immunisation sessions for the third and final dose of the routine programme would not have started yet; uptake of dose 3 will be reported later in 2014. Coverage of HPV vaccination in 2012-13 School Year 8 group was at 89.6%, 88.6% and 85.4% for one, two and three doses respectively (Table 7).

12. Coverage of two doses of MMR in children reaching 16 years of age this quarter was 89.2% (compared to 88.5% last quarter), ranging by LA from 85.8% (Merthyr Tydfil) to 94.4% (Anglesey) (Tables 2 and 9). Coverage of one dose of MMR was 94.8% (compared to 96.3% last quarter), ranging by LA from 92.3% (Vale of Glamorgan) to 98.0% (Denbighshire). Coverage of a full course (two doses of MMR) of immunisation against rubella in 16 year old girls this quarter was 89.4% and coverage of only one dose was 94.9%.
13. National uptake of the Td/IPV⁶ teenage booster in children reaching 16 years of age this quarter was 81.3% (Table 9), ranging by LA from 73.0% (Monmouthshire) to 88.6% (Denbighshire). For the first time ever, coverage of the Td/IPV teenage booster in 16 year olds has exceeded 70% in all Health Board and Local Authority areas of Wales.
14. Coverage of a complete three dose course of HPV vaccine in girls reaching their 15th birthday during 01/09/13 to 31/08/14 (the 2013-14 year 10) is currently 87.2%. Coverage of a complete three dose course of HPV vaccine in girls reaching their 16th birthday during 01/09/13 to 31/08/14 (2013-14 year 11) is currently 86.6%. Coverage of a complete three dose course of HPV vaccine in girls reaching their 17th birthday during 01/09/13 to 31/08/14 (2013-14 year 12) is currently 83.8% (Table 10).
15. Uptake of BCG⁷ immunisation is presented in Table 11. These data are based on f BCG immunisations recorded in the National Community Child Health Database. BCG immunisation has been received by 6.8%, 7.4%, 7.2% and 2.9% of children reaching their first, second, fifth and 16th birthdays (respectively) during quarter four 2013. Highest proportions of children given BCG by one and two years of age this quarter were seen in Cardiff, Newport and Swansea LA's⁸.
16. Uptake of hepatitis B immunisation, recorded through the Child Health System is presented in Table 12. These data are based on reports of hep B immunisations recorded in the National Community Child Health database. Completed vaccination course percentages are only presented for children receiving the first dose of hepatitis B vaccine within seven days of birth⁷. Thirty nine, 65 and 90 children reaching their 1st, 2nd and 5th birthdays during quarter four 2013, respectively, started hepatitis B immunisation courses in their first week of life. Of these children 35.9%, 81.5% and 87.8% (respectively) were recorded as having completed three doses of the hepatitis B schedule by those birthdays.

⁴ MMR protects against measles, mumps and rubella infections.

⁵ DTaP/IPV (and dTaP/IPV) vaccines boost protection against Diphtheria, Tetanus, Pertussis and Polio infection before school entry

⁶ Td/IPV boosts protection against Diphtheria, Tetanus and Polio infection before entering adulthood

⁷ BCG protects against tuberculosis infection.

⁸ Numbers of eligible children for BCG and Hep B are not known

Comment

Uptake of all routine immunisations scheduled for babies in their first year of life, except Men C, were above 95%. Men C uptake may appear lower than expected, as this is the last full quarterly cohort, scheduled to receive the two dose course of Men C, before the 2nd dose at four months of age was removed from the schedule on 1st June 2013. This is expected to be a temporary decrease in apparent coverage due to the transition to the new schedule that will be rectified shortly. Uptake of the first dose of MMR in children reaching their second birthday continued to exceed 95% nationally and across all Health Boards in Wales this quarter. Coverage of one dose of MMR vaccine in five year olds also exceeded 95% nationally, with uptake in sixteen year olds just below the 95% target.

This quarter, a higher proportion of children reaching their first birthday had already received MMR vaccination, than would usually be expected. It is likely that the majority of these children received early doses of MMR vaccination during the large outbreak of measles which affected many areas of Wales between November 2012 and July 2013. MMR vaccinations administered to babies less than twelve months of age, to provide them with protection from measles during outbreaks, should not be considered part of the routine schedule of immunisation; and it is important that these babies go on to receive both routine doses of MMR at the appropriate ages [1].

The proportion of children who were up to date with their routine immunisations by four years of age continued to progress nationally towards 90%, although two health boards exceeded 90% in this quarter.

Currently, uptake of hepatitis B immunisation in children is reported in COVER reports using data provided by the Child Health System and National Community Child Health Database. Future quarterly and annual COVER reports will present uptake figures for neonatal hepatitis B immunisation using data from the Public Health Wales All Wales Neonatal Hepatitis B Immunisation database. This transition in data sources will allow for better ascertainment of the denominator of babies born to hepatitis B positive mothers and will ensure more robust reporting of uptake in this group.

[1] Department of Health (2006) Immunisation against infectious disease (the Green Book). The Stationery Office

Further information on MMR and measles

For general information on measles in Wales, see: <http://www.wales.nhs.uk/sitesplus/888/page/43749>

For general information on MMR and other vaccinations, see:

<http://www.nhs.uk/Conditions/vaccinations/Pages/vaccination-schedule-age-checklist.aspx>

For information about the measles outbreak in Wales, see: <http://www.wales.nhs.uk/sitesplus/888/page/66425>

Report prepared by Public Health Wales Vaccine Preventable Disease Programme and Communicable Disease Surveillance Centre.

Data for this report was provided by NHS Wales Informatics Service from the National Community Child Health Database (NCCHD). The data was sourced from Community Child Health databases maintained by local Child Health Office staff in Trusts throughout Wales based on regular returns from doctors and nurses who immunise or advise on immunisation. Uptake data presented throughout are for HB resident population, not for HB GP practice populations. The maps, graphs, tables 1 and 2 are best viewed in colour.

Suggested citation for this report:

Public Health Wales Health Protection Division. Vaccine uptake in Children in Wales, October to December 2013: COVER report 109, February 2014. Cardiff, Public Health Wales.

If you have any questions or suggestions on COVER reporting in Wales, please contact:

surveillance.requests@wales.nhs.uk

Figure 1. Percentage uptake of childhood immunisations in Wales, quarter 1 1997 to quarter 4 2013. Data are for children reaching 1 year of age each quarter for diphtheria, pertussis, Hib, MenC and pneumococcal conjugate vaccine (PCV2), children reaching 2 years of age for MMR1 (first dose) and the Hib MenC booster, and 5 years of age for MMR2 (second dose).

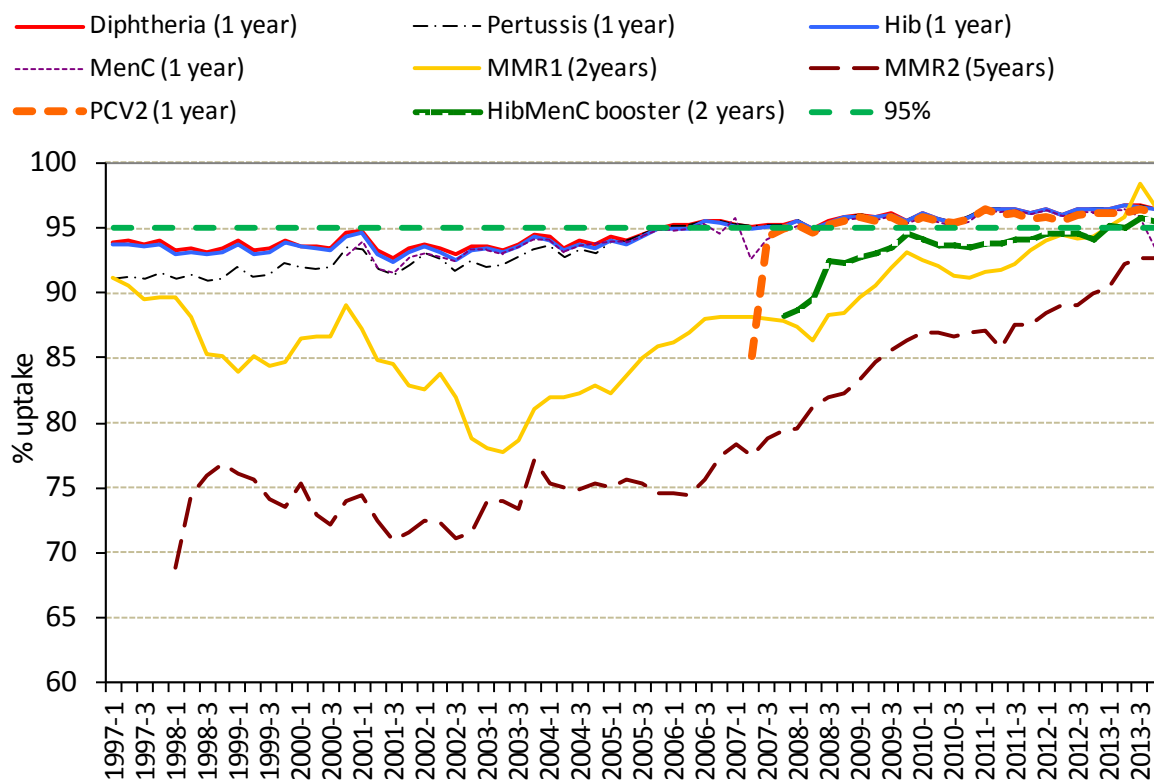


Figure 2. Summary of uptake rates for selected immunisations in resident children reaching their 1st, 2nd, 5th and 16th birthday between 01/10/13 and 31/12/13 and resident on 31/12/13.

All Wales Summary - COVER109

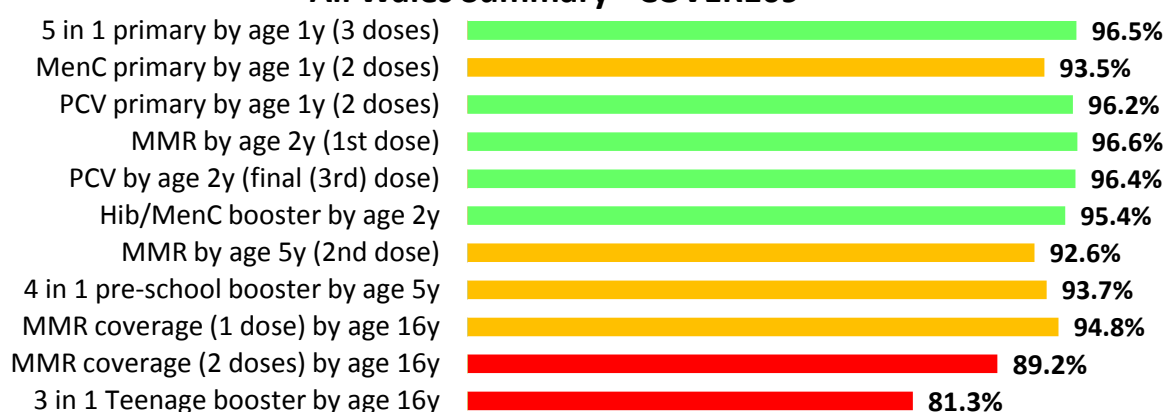


Figure 3. Percentage uptake of resident children reaching their 4th birthday between 01/10/13 and 31/12/13 and are up to date with all scheduled vaccines⁹ by Health Board.

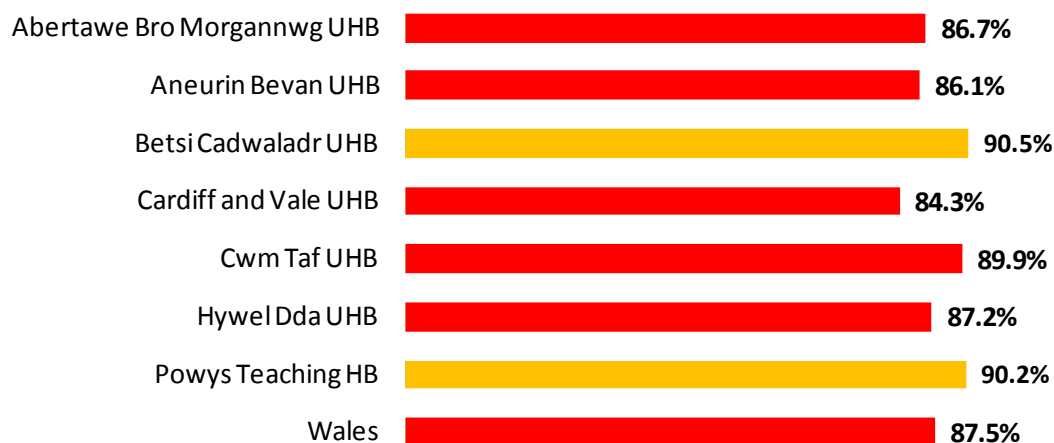


Table 1. Percentage uptake of resident children reaching their 4th birthday between 01/01/13 and 31/12/13 and are up to date with all scheduled vaccines⁹ by Health Board, quarter 1 2013 to quarter 4 2013.

Area	Up to date in schedule			
	2013-1	2013-2	2013-3	2013-4
Abertawe Bro Morgannwg UHB	83.8	85.9	87.3	86.7
Aneurin Bevan UHB	81.9	84.0	86.6	86.1
Betsi Cadwaladr UHB	85.8	87.3	88.1	90.5
Cardiff and Vale UHB	79.5	84.0	86.0	84.3
Cwm Taf UHB	86.3	88.8	89.7	89.9
Hywel Dda UHB	82.7	86.3	86.2	87.2
Powys Teaching HB	82.6	81.5	86.4	90.2
Wales	83.2	85.7	87.2	87.5

⁹ Completed 4 in 1 preschool booster, final dose of pneumococcal conjugate vaccine, the Hib/ MenC booster and second MMR dose by four years of age.

Figure 4. Uptake of 5 in 1 vaccine in Welsh Local Authority areas in children reaching their 1st birthday between 01/10/13 and 31/12/13.

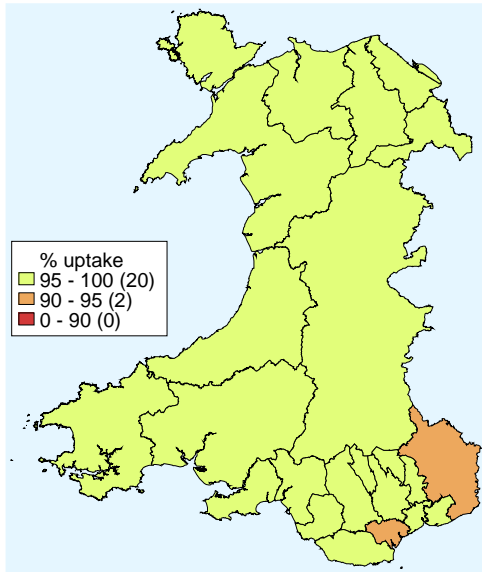


Figure 5. Uptake of at least 1 dose of MMR immunisation in Welsh Local Authority areas in children reaching their 2nd birthday between 01/10/13 and 31/12/13.

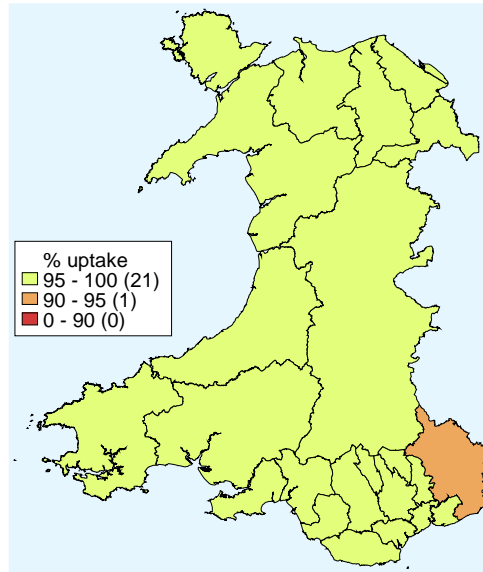


Figure 6. Uptake of two doses of MMR vaccine in Welsh Local Authority areas in children reaching their 5th birthday between 01/10/13 and 31/12/13.

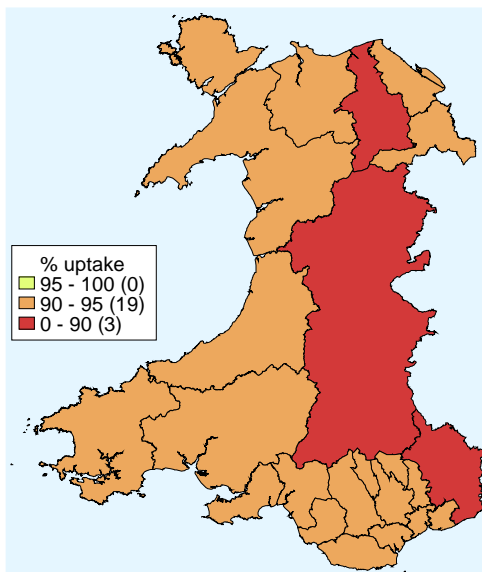


Figure 7. Uptake of 4 in 1 vaccine in Welsh Local Authority areas in children reaching their 5th birthday between 01/10/13 and 31/12/13.

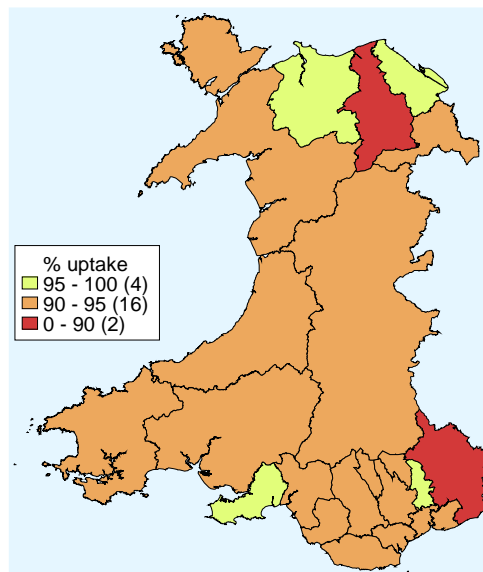


Table 2. Summary table with uptake of selected immunisations in resident children reaching their 1st, 2nd, 5th and 16th birthday between 01/10/13 and 31/12/13 and resident on 31/12/13.

Area	Age 1 year					Age 2 years					Age 4 years		Age 5 years			Age 16 years				
	Resident children (n)	5 in 1* (n) (%)	MenC** (n) (%)	Resident children (n)	MMR1 (n) (%)	PCV† (n) (%)	Hib/MenC booster (n) (%)	Resident children (n)	Up to date in schedule*** (%)	Resident children (n)	MMR2 (n) (%)	4 in 1* (n) (%)	Resident children (n)	MMR1 (n) (%)	MMR2 (n) (%)	3 in 1 Teenage booster**** (n) (%)				
Abertawe Bro Morgannwg UHB																				
Bridgend LA	432	420 97.2	409 94.7	453	446 98.5	442 97.6	443 97.8	361	86.8	397	368 92.7	369 92.9	429	411 95.8	395 92.1	358 83.4				
Neath Port Talbot LA	378	364 96.3	351 92.9	416	398 95.7	401 96.4	397 95.4	317	86.4	392	364 92.9	370 94.4	411	390 94.9	360 87.6	337 82.0				
Swansea LA	642	634 98.8	611 95.2	675	651 96.4	652 96.6	647 95.9	540	86.8	653	615 94.2	624 95.6	662	639 96.5	590 89.1	565 85.3				
Health Board Total	1452	1418 97.7	1371 94.4	1544	1495 96.8	1495 96.8	1487 96.3	1218	86.7	1442	1347 93.4	1363 94.5	1502	1440 95.9	1345 89.5	1260 83.9				
Aneurin Bevan UHB																				
Blaenau Gwent LA	226	221 97.8	217 96.0	203	197 97.0	199 98.0	197 97.0	182	88.3	217	205 94.5	204 94.0	196	182 92.9	173 88.3	166 84.7				
Caerphilly LA	561	545 97.1	535 95.4	546	532 97.4	529 96.9	523 95.8	448	88.2	531	491 92.5	501 94.4	500	480 96.0	464 92.8	385 77.0				
Monmouthshire LA	204	193 94.6	186 91.2	217	201 92.6	201 92.6	200 92.2	195	89.9	247	216 87.4	216 87.4	241	230 95.4	213 88.4	176 73.0				
Newport LA	469	448 95.5	434 92.5	490	469 95.7	464 94.7	454 92.7	420	80.0	498	458 92.0	455 91.4	504	469 93.1	439 87.1	369 73.2				
Torfaen LA	288	279 96.9	268 93.1	263	255 97.0	256 97.3	252 95.8	246	89.5	267	249 93.3	254 95.1	284	275 96.8	255 89.8	232 81.7				
Health Board Total	1748	1686 96.5	1640 93.8	1719	1654 96.2	1649 95.9	1626 94.6	1491	86.1	1760	1619 92.0	1630 92.6	1725	1636 94.8	1544 89.5	1328 77.0				
Betsi Cadwaladr University UHB																				
Anglesey LA	201	199 99.0	193 96.0	181	176 97.2	178 98.3	175 96.7	180	87.4	199	188 94.5	189 95.0	161	156 96.9	152 94.4	139 86.3				
Conwy LA	289	280 96.9	272 94.1	286	275 96.2	275 96.2	275 96.2	260	87.2	272	256 94.1	260 95.6	330	320 97.0	305 92.4	279 84.5				
Denbighshire LA	268	258 96.3	245 91.4	276	265 96.0	266 96.4	261 94.6	254	90.4	271	240 88.6	243 89.7	298	292 98.0	280 94.0	264 88.6				
Flintshire LA	381	373 97.9	363 95.3	440	429 97.5	433 98.4	429 97.5	399	91.9	397	376 94.7	381 96.0	411	397 96.6	373 90.8	353 85.9				
Gwynedd LA	308	297 96.4	290 94.2	342	328 95.9	330 96.5	328 95.9	305	93.0	319	298 93.4	303 95.0	306	292 95.4	281 91.8	261 85.3				
Wrexham LA	428	422 98.6	406 94.9	414	405 97.8	404 97.6	400 96.6	381	90.9	415	391 94.2	394 94.9	329	317 96.4	303 92.1	271 82.4				
Health Board Total	1875	1829 97.5	1769 94.3	1939	1878 96.9	1886 97.3	1868 96.3	1779	90.5	1873	1749 93.4	1770 94.5	1835	1774 96.7	1694 92.3	1567 85.4				
Cardiff and Vale University UHB																				
Cardiff LA	1225	1131 92.3	1075 87.8	1219	1169 95.9	1159 95.1	1137 93.3	945	82.9	1089	1009 92.7	1024 94.0	918	851 92.7	805 87.7	701 76.4				
Vale of Glamorgan LA	353	341 96.6	330 93.5	386	376 97.4	377 97.7	373 96.6	344	88.4	380	349 91.8	355 93.4	418	386 92.3	367 87.8	339 81.1				
Health Board Total	1578	1472 93.3	1405 89.0	1605	1545 96.3	1536 95.7	1510 94.1	1289	84.3	1469	1358 92.4	1379 93.9	1336	1237 92.6	1172 87.7	1040 77.8				
Cwm Taf UHB																				
Merthyr Tydfil LA	199	196 98.5	195 98.0	205	200 97.6	200 97.6	200 97.6	144	94.7	173	158 91.3	161 93.1	176	169 96.0	151 85.8	152 86.4				
Rhondda Cynon Taff LA	660	649 98.3	638 96.7	730	711 97.4	709 97.1	705 96.6	633	88.9	676	626 92.6	633 93.6	666	643 96.5	603 90.5	569 85.4				
Health Board Total	859	845 98.4	833 97.0	935	911 97.4	909 97.2	905 96.8	777	89.9	849	784 92.3	794 93.5	842	812 96.4	754 89.5	721 85.6				
Hywel Dda UHB																				
Cardiff LA	504	486 96.4	479 95.0	498	484 97.2	481 96.6	481 96.6	415	85.6	507	472 93.1	479 94.5	483	448 92.8	418 86.5	402 83.2				
Ceredigion LA	162	159 98.1	157 96.9	142	136 95.8	135 95.1	134 94.4	171	92.4	128	119 93.0	121 94.5	158	148 93.7	136 86.1	126 79.7				
Pembrokeshire LA	315	301 95.6	287 91.1	328	312 95.1	310 94.5	304 92.7	303	86.8	307	278 90.6	280 91.2	304	284 93.4	261 85.9	240 78.9				
Health Board Total	981	946 96.4	923 94.1	968	932 96.3	926 95.7	919 94.9	889	87.2	942	869 92.3	880 93.4	945	880 93.1	815 86.2	768 81.3				
Powys Teaching UHB	293	283 96.6	275 93.9	313	301 96.2	298 95.2	296 94.6	277	90.2	294	263 89.5	270 91.8	356	329 92.4	306 86.0	276 77.5				
Unknown	34	32 94.1	32 94.1	21	20 95.2	21 100.0	21 100.0	25	86.2	38	37 97.4	37 97.4	61	49 80.3	39 63.9	35 57.4				
Wales Total	8820	8511 96.5	8248 93.5	9044	8736 96.6	8720 96.4	8632 95.4	7745	87.5	8667	8026 92.6	8123 93.7	8602	8157 94.8	7669 89.2	6995 81.3				

* Uptake of pertussis used as proxy

** Men C uptake may appear lower than expected, as this is the last full quarterly cohort, scheduled to receive the two dose course of Men C, before the 2nd dose at four months of age was removed from the schedule on 1st June 2013. This is expected to be a temporary decrease in apparent coverage that will be rectified shortly.

‡ Children receiving the final dose of PCV

*** Completed 4 in 1 preschool booster, final dose of pneumococcal conjugate vaccine, the Hib/ MenC booster and second MMR dose by four years of age

**** Uptake of diphtheria (reinforcing booster dose) used as proxy

	95% and higher
	90% to 95%
	below 90%

Table 3. Vaccine uptake in children reaching their 1st birthday between 01/10/13 and 31/12/13 and resident on 31/12/13.

Area	Resident children	D3	T3	P3	Po3	Hib3	MMR1*	MenC**	PCV2***	HibMenCb
	(n)	(n) (%)	(n) (%)	(n) (%)	(n) (%)	(n) (%)	(n) (%)	(n) (%)	(n) (%)	(n) (%)
Abertawe Bro Morgannwg University HB										
Bridgend LA	432	420 97.2	420 97.2	420 97.2	420 97.2	420 97.2	190 44.0	409 94.7	418 96.8	0 0.0
Neath Port Talbot LA	378	364 96.3	364 96.3	364 96.3	364 96.3	364 96.3	189 50.0	351 92.9	359 95.0	2 0.5
Swansea LA	642	634 98.8	634 98.8	634 98.8	634 98.8	634 98.8	332 51.7	611 95.2	631 98.3	2 0.3
Health Board Total	1452	1418 97.7	1418 97.7	1418 97.7	1418 97.7	1418 97.7	711 49.0	1371 94.4	1408 97.0	4 0.3
Aneurin Bevan University HB										
Blaenau Gwent LA	226	221 97.8	221 97.8	221 97.8	221 97.8	221 97.8	0 0.0	217 96.0	221 97.8	0 0.0
Caerphilly LA	561	545 97.1	545 97.1	545 97.1	545 97.1	544 97.0	21 3.7	535 95.4	545 97.1	3 0.5
Monmouthshire LA	204	193 94.6	193 94.6	193 94.6	193 94.6	193 94.6	8 3.9	186 91.2	193 94.6	1 0.5
Newport LA	469	448 95.5	448 95.5	448 95.5	448 95.5	447 95.3	10 2.1	434 92.5	450 95.9	1 0.2
Torfaen LA	288	279 96.9	279 96.9	279 96.9	279 96.9	279 96.9	5 1.7	268 93.1	278 96.5	0 0.0
Health Board Total	1748	1686 96.5	1686 96.5	1686 96.5	1686 96.5	1685 96.4	44 2.5	1640 93.8	1687 96.5	5 0.3
Betsi Cadwaladr University HB										
Anglesey LA	201	199 99.0	199 99.0	199 99.0	199 99.0	199 99.0	1 0.5	193 96.0	199 99.0	0 0.0
Conwy LA	289	280 96.9	280 96.9	280 96.9	280 96.9	280 96.9	4 1.4	272 94.1	277 95.8	5 1.7
Denbighshire LA	268	258 96.3	258 96.3	258 96.3	258 96.3	258 96.3	5 1.9	245 91.4	260 97.0	3 1.1
Flintshire LA	381	373 97.9	373 97.9	373 97.9	373 97.9	373 97.9	4 1.0	363 95.3	370 97.1	2 0.5
Gwynedd LA	308	297 96.4	297 96.4	297 96.4	296 96.1	296 96.1	2 0.6	290 94.2	298 96.8	3 1.0
Wrexham LA	428	422 98.6	422 98.6	422 98.6	422 98.6	422 98.6	2 0.5	406 94.9	423 98.8	2 0.5
Health Board Total	1875	1829 97.5	1829 97.5	1829 97.5	1829 97.5	1828 97.5	18 1.0	1769 94.3	1827 97.4	15 0.8
Cardiff and Vale University HB										
Cardiff LA	1225	1131 92.3	1131 92.3	1131 92.3	1130 92.2	1129 92.2	30 2.4	1075 87.8	1124 91.8	4 0.3
Vale of Glamorgan LA	353	341 96.6	341 96.6	341 96.6	341 96.6	341 96.6	23 6.5	330 93.5	340 96.3	2 0.6
Health Board Total	1578	1472 93.3	1472 93.3	1472 93.3	1471 93.2	1470 93.2	53 3.4	1405 89.0	1464 92.8	6 0.4
Cwm Taf University HB										
Merthyr Tydfil LA	199	196 98.5	196 98.5	196 98.5	196 98.5	196 98.5	11 5.5	195 98.0	196 98.5	3 1.5
Rhondda Cynon Taff LA	660	649 98.3	649 98.3	649 98.3	649 98.3	649 98.3	25 3.8	638 96.7	649 98.3	1 0.2
Health Board Total	859	845 98.4	845 98.4	845 98.4	845 98.4	845 98.4	36 4.2	833 97.0	845 98.4	4 0.5
Hywel Dda University HB										
Carmarthenshire LA	504	486 96.4	486 96.4	486 96.4	485 96.2	486 96.4	140 27.8	479 95.0	484 96.0	2 0.4
Ceredigion LA	162	159 98.1	159 98.1	159 98.1	159 98.1	159 98.1	2 1.2	157 96.9	159 98.1	1 0.6
Pembrokeshire LA	315	301 95.6	301 95.6	301 95.6	301 95.6	301 95.6	7 2.2	287 91.1	297 94.3	0 0.0
Health Board Total	981	946 96.4	946 96.4	946 96.4	945 96.3	946 96.4	149 15.2	923 94.1	940 95.8	3 0.3
Powys Teaching HB										
Unknown	293	283 96.6	283 96.6	283 96.6	283 96.6	283 96.6	41 14.0	275 93.9	280 95.6	0 0.0
Wales Total	8820	8511 96.5	8511 96.5	8511 96.5	8505 96.4	8506 96.4	1052 11.9	8248 93.5	8483 96.2	37 0.4

* Includes infants that were given early doses of MMR before their first birthday during the November 2012 – July 2013 measles outbreak in Wales.

** Men C uptake may appear lower than expected as this is the last full quarterly cohort, scheduled to receive the two dose course of Men C, before the 2nd dose at four months of age was removed from the schedule on 1st June 2013. This is expected to be a temporary decrease in apparent coverage that will be rectified shortly.

*** Full primary 2 dose course of pneumococcal conjugate vaccine

Table 4. Vaccine uptake in children reaching their 2nd birthday between 01/10/13 and 31/12/13 and resident on 31/12/13.

Area	Resident children	D3	T3	P3	Po3	Hib3	MMR1	MenC*	PCV2**	PCVf***	HibMenCb
	(n)	(n) (%)	(n) (%)	(n) (%)	(n) (%)	(n) (%)	(n) (%)	(n) (%)	(n) (%)	(n) (%)	(n) (%)
<u>Abertawe Bro Morgannwg University HB</u>											
Bridgend LA	453	448 98.9	448 98.9	447 98.7	447 98.7	447 98.7	446 98.5	446 98.5	445 98.2	442 97.6	443 97.8
Neath Port Talbot LA	416	407 97.8	407 97.8	407 97.8	407 97.8	407 97.8	398 95.7	400 96.2	399 95.9	401 96.4	397 95.4
Swansea LA	675	665 98.5	665 98.5	665 98.5	665 98.5	665 98.5	651 96.4	655 97.0	648 96.0	652 96.6	647 95.9
Health Board Total	1544	1520 98.4	1520 98.4	1519 98.4	1519 98.4	1519 98.4	1495 96.8	1501 97.2	1492 96.6	1495 96.8	1487 96.3
<u>Aneurin Bevan University HB</u>											
Blaenau Gwent LA	203	201 99.0	201 99.0	201 99.0	201 99.0	201 99.0	197 97.0	199 98.0	199 98.0	199 98.0	197 97.0
Caerphilly LA	546	538 98.5	538 98.5	538 98.5	538 98.5	538 98.5	532 97.4	533 97.6	527 96.5	529 96.9	523 95.8
Monmouthshire LA	217	204 94.0	204 94.0	204 94.0	204 94.0	204 94.0	201 92.6	204 94.0	204 94.0	201 92.6	200 92.2
Newport LA	490	477 97.3	477 97.3	477 97.3	476 97.1	476 97.1	469 95.7	466 95.1	466 95.1	464 94.7	454 92.7
Torfaen LA	263	260 98.9	260 98.9	260 98.9	260 98.9	260 98.9	255 97.0	259 98.5	255 97.0	256 97.3	252 95.8
Health Board Total	1719	1680 97.7	1680 97.7	1680 97.7	1679 97.7	1679 97.7	1654 96.2	1661 96.6	1651 96.0	1649 95.9	1626 94.6
<u>Betsi Cadwaladr University HB</u>											
Anglesey LA	181	179 98.9	179 98.9	179 98.9	180 99.4	179 98.9	176 97.2	177 97.8	175 96.7	178 98.3	175 96.7
Conwy LA	286	283 99.0	283 99.0	283 99.0	283 99.0	282 98.6	275 96.2	278 97.2	275 96.2	275 96.2	275 96.2
Denbighshire LA	276	270 97.8	270 97.8	270 97.8	270 97.8	270 97.8	265 96.0	267 96.7	259 93.8	266 96.4	261 94.6
Flintshire LA	440	436 99.1	436 99.1	437 99.3	436 99.1	436 99.1	429 97.5	433 98.4	432 98.2	433 98.4	429 97.5
Gwynedd LA	342	335 98.0	335 98.0	335 98.0	335 98.0	335 98.0	328 95.9	324 94.7	329 96.2	330 96.5	328 95.9
Wrexham LA	414	407 98.3	407 98.3	407 98.3	407 98.3	407 98.3	405 97.8	402 97.1	400 96.6	404 97.6	400 96.6
Health Board Total	1939	1910 98.5	1910 98.5	1911 98.6	1911 98.6	1909 98.5	1878 96.9	1881 97.0	1870 96.4	1886 97.3	1868 96.3
<u>Cardiff and Vale University HB</u>											
Cardiff LA	1219	1182 97.0	1182 97.0	1182 97.0	1182 97.0	1179 96.7	1169 95.9	1149 94.3	1142 93.7	1159 95.1	1137 93.3
Vale of Glamorgan LA	386	377 97.7	377 97.7	377 97.7	377 97.7	377 97.7	376 97.4	372 96.4	371 96.1	377 97.7	373 96.6
Health Board Total	1605	1559 97.1	1559 97.1	1559 97.1	1559 97.1	1556 96.9	1545 96.3	1521 94.8	1513 94.3	1536 95.7	1510 94.1
<u>Cwm Taf University HB</u>											
Merthyr Tydfil LA	205	200 97.6	200 97.6	200 97.6	200 97.6	200 97.6	200 97.6	198 96.6	197 96.1	200 97.6	200 97.6
Rhondda Cynon Taff LA	730	718 98.4	718 98.4	718 98.4	718 98.4	718 98.4	711 97.4	716 98.1	713 97.7	709 97.1	705 96.6
Health Board Total	935	918 98.2	918 98.2	918 98.2	918 98.2	918 98.2	911 97.4	914 97.8	910 97.3	909 97.2	905 96.8
<u>Hywel Dda University HB</u>											
Carmarthenshire LA	498	489 98.2	489 98.2	489 98.2	489 98.2	489 98.2	484 97.2	486 97.6	483 97.0	481 96.6	481 96.6
Ceredigion LA	142	136 95.8	136 95.8	136 95.8	136 95.8	135 95.1	136 95.8	135 95.1	135 95.1	135 95.1	134 94.4
Pembrokeshire LA	328	316 96.3	316 96.3	316 96.3	316 96.3	316 96.3	312 95.1	311 94.8	308 93.9	310 94.5	304 92.7
Health Board Total	968	941 97.2	941 97.2	941 97.2	941 97.2	940 97.1	932 96.3	932 96.3	926 95.7	926 95.7	919 94.9
<u>Powys Teaching HB</u>	313	301 96.2	301 96.2	301 96.2	301 96.2	301 96.2	301 96.2	299 95.5	297 94.9	298 95.2	296 94.6
Unknown	21	20 95.2	20 95.2	20 95.2	20 95.2	20 95.2	20 95.2	20 95.2	20 95.2	21 100.0	21 100.0
Wales Total	9044	8849 97.8	8849 97.8	8849 97.8	8848 97.8	8842 97.8	8736 96.6	8729 96.5	8679 96.0	8720 96.4	8632 95.4

* Reflects uptake of the completed primary course in this age group

** Full primary 2 dose course of pneumococcal conjugate vaccine

*** Final (booster) dose of pneumococcal conjugate vaccine

Table 5. Vaccine uptake in children reaching their 4th birthday between 01/10/13 and 31/12/13 and resident on 31/12/13.

Area	Resident children	4 in 1 Preschool Booster*	PCVf**	HibMenCb	MMR dose 2	Up to date in schedule***					
	(n)	(n)	(%)	(n)	(%)	(n)	(%)	(n)	(%)		
Abertawe Bro Morgannwg University HB											
Bridgend LA	416	374	89.9	395	95.0	394	94.7	382	91.8	361	86.8
Neath Port Talbot LA	367	335	91.3	343	93.5	344	93.7	344	93.7	317	86.4
Swansea LA	622	569	91.5	585	94.1	597	96.0	570	91.6	540	86.8
Health Board Total	1405	1278	91.0	1323	94.2	1335	95.0	1296	92.2	1218	86.7
Aneurin Bevan University HB											
Blaenau Gwent LA	206	189	91.7	199	96.6	198	96.1	188	91.3	182	88.3
Caerphilly LA	508	472	92.9	478	94.1	484	95.3	472	92.9	448	88.2
Monmouthshire LA	217	202	93.1	202	93.1	201	92.6	203	93.5	195	89.9
Newport LA	525	457	87.0	476	90.7	485	92.4	467	89.0	420	80.0
Torfaen LA	275	254	92.4	269	97.8	266	96.7	254	92.4	246	89.5
Health Board Total	1731	1574	90.9	1624	93.8	1634	94.4	1584	91.5	1491	86.1
Betsi Cadwaladr University HB											
Anglesey LA	206	187	90.8	189	91.7	191	92.7	187	90.8	180	87.4
Conwy LA	298	266	89.3	275	92.3	282	94.6	267	89.6	260	87.2
Denbighshire LA	281	266	94.7	266	94.7	271	96.4	262	93.2	254	90.4
Flintshire LA	434	413	95.2	421	97.0	420	96.8	409	94.2	399	91.9
Gwynedd LA	328	317	96.6	312	95.1	317	96.6	314	95.7	305	93.0
Wrexham LA	419	391	93.3	401	95.7	405	96.7	390	93.1	381	90.9
Health Board Total	1966	1840	93.6	1864	94.8	1886	95.9	1829	93.0	1779	90.5
Cardiff and Vale University HB											
Cardiff LA	1140	1025	89.9	1038	91.1	1044	91.6	1024	89.8	945	82.9
Vale of Glamorgan LA	389	368	94.6	370	95.1	367	94.3	362	93.1	344	88.4
Health Board Total	1529	1393	91.1	1408	92.1	1411	92.3	1386	90.6	1289	84.3
Cwm Taf University HB											
Merthyr Tydfil LA	152	149	98.0	147	96.7	151	99.3	145	95.4	144	94.7
Rhondda Cynon Taff LA	712	663	93.1	681	95.6	686	96.3	658	92.4	633	88.9
Health Board Total	864	812	94.0	828	95.8	837	96.9	803	92.9	777	89.9
Hywel Dda University HB											
Carmarthenshire LA	485	441	90.9	457	94.2	456	94.0	446	92.0	415	85.6
Ceredigion LA	185	178	96.2	176	95.1	176	95.1	177	95.7	171	92.4
Pembrokeshire LA	349	324	92.8	325	93.1	326	93.4	327	93.7	303	86.8
Health Board Total	1019	943	92.5	958	94.0	958	94.0	950	93.2	889	87.2
Powys Teaching HB	307	283	92.2	294	95.8	293	95.4	284	92.5	277	90.2
Unknown	29	26	89.7	25	86.2	26	89.7	26	89.7	25	86.2
Wales Total	8850	8149	92.1	8324	94.1	8380	94.7	8158	92.2	7745	87.5

* Uptake of acellular pertussis used as proxy

** Full primary 2 dose course of pneumococcal conjugate vaccine

*** Completed 4 in 1 preschool booster, final dose of pneumococcal conjugate vaccine, the Hib/ MenC booster and second MMR dose by four years of age

Table 6. Vaccine uptake in children reaching their 5th birthday between 01/10/13 and 31/12/13 and resident on 31/12/13.

Area	Resident children	D3	T3	P3	Po3	Hib3	MenC*	PCVf**	HibMenCb	MMR1	MMR2	D4	T4	aP	Po4
	(n)	(n) (%)	(n) (%)	(n) (%)	(n) (%)	(n) (%)	(n) (%)	(n) (%)	(n) (%)	(n) (%)	(n) (%)	(n) (%)	(n) (%)	(n) (%)	(n) (%)
Abertawe Bro Morgannwg University HB															
Bridgend LA	397	389 98.0	389 98.0	389 98.0	388 97.7	388 97.7	387 97.5	365 91.9	378 95.2	388 97.7	368 92.7	369 92.9	369 92.9	369 92.9	369 92.9
Neath Port Talbot LA	392	384 98.0	384 98.0	384 98.0	384 98.0	384 98.0	377 96.2	364 92.9	372 94.9	380 96.9	364 92.9	370 94.4	370 94.4	370 94.4	370 94.4
Swansea LA	653	638 97.7	638 97.7	638 97.7	640 98.0	633 96.9	616 94.3	598 91.6	620 94.9	638 97.7	615 94.2	624 95.6	624 95.6	624 95.6	623 95.4
Health Board Total	1442	1411 97.9	1411 97.9	1411 97.9	1412 97.9	1405 97.4	1380 95.7	1327 92.0	1370 95.0	1406 97.5	1347 93.4	1363 94.5	1363 94.5	1363 94.5	1362 94.5
Aneurin Bevan University HB															
Blaenau Gwent LA	217	216 99.5	216 99.5	216 99.5	216 99.5	216 99.5	213 98.2	205 94.5	207 95.4	214 98.6	205 94.5	204 94.0	204 94.0	204 94.0	204 94.0
Caerphilly LA	531	520 97.9	520 97.9	520 97.9	520 97.9	518 97.6	515 97.0	489 92.1	502 94.5	518 97.6	491 92.5	501 94.4	501 94.4	501 94.4	501 94.4
Monmouthshire LA	247	227 91.9	227 91.9	227 91.9	227 91.9	227 91.9	219 88.7	209 84.6	219 88.7	224 90.7	216 87.4	216 87.4	216 87.4	217 87.9	217 87.9
Newport LA	498	487 97.8	487 97.8	487 97.8	487 97.8	487 97.8	464 93.2	453 91.0	462 92.8	487 97.8	458 92.0	456 91.6	456 91.6	455 91.4	456 91.6
Torfaen LA	267	264 98.9	264 98.9	264 98.9	264 98.9	264 98.9	261 97.8	246 92.1	255 95.5	263 98.5	249 93.3	254 95.1	254 95.1	254 95.1	254 95.1
Health Board Total	1760	1714 97.4	1714 97.4	1714 97.4	1714 97.4	1712 97.3	1672 95.0	1602 91.0	1645 93.5	1706 96.9	1619 92.0	1631 92.7	1631 92.7	1630 92.6	1632 92.7
Betsi Cadwaladr University HB															
Anglesey LA	199	197 99.0	197 99.0	197 99.0	197 99.0	197 99.0	192 96.5	187 94.0	192 96.5	197 99.0	188 94.5	189 95.0	189 95.0	189 95.0	189 95.0
Conwy LA	272	270 99.3	270 99.3	270 99.3	270 99.3	270 99.3	264 97.1	253 93.0	263 96.7	267 98.2	256 94.1	260 95.6	260 95.6	260 95.6	260 95.6
Denbighshire LA	271	258 95.2	258 95.2	258 95.2	258 95.2	257 94.8	248 91.5	244 90.0	250 92.3	256 94.5	240 88.6	243 89.7	243 89.7	243 89.7	243 89.7
Flintshire LA	397	392 98.7	392 98.7	392 98.7	391 98.5	392 98.7	379 95.5	377 95.0	384 96.7	388 97.7	376 94.7	381 96.0	381 96.0	381 96.0	381 96.0
Gwynedd LA	319	306 95.9	306 95.9	306 95.9	307 96.2	306 95.9	297 93.1	298 93.4	301 94.4	310 97.2	298 93.4	303 95.0	303 95.0	303 95.0	303 95.0
Wrexham LA	415	408 98.3	408 98.3	408 98.3	408 98.3	407 98.1	399 96.1	392 94.5	396 95.4	408 98.3	391 94.2	394 94.9	394 94.9	394 94.9	393 94.7
Health Board Total	1873	1831 97.8	1831 97.8	1831 97.8	1831 97.8	1829 97.7	1779 95.0	1751 93.5	1786 95.4	1826 97.5	1749 93.4	1770 94.5	1770 94.5	1770 94.5	1769 94.4
Cardiff and Vale University HB															
Cardiff LA	1089	1059 97.2	1059 97.2	1058 97.2	1059 97.2	1056 97.0	1007 92.5	971 89.2	991 91.0	1058 97.2	1009 92.7	1024 94.0	1024 94.0	1024 94.0	1024 94.0
Vale of Glamorgan LA	380	372 97.9	372 97.9	372 97.9	372 97.9	371 97.6	368 96.8	358 94.2	356 93.7	368 96.8	349 91.8	355 93.4	355 93.4	355 93.4	355 93.4
Health Board Total	1469	1431 97.4	1431 97.4	1430 97.3	1431 97.4	1427 97.1	1375 93.6	1329 90.5	1347 91.7	1426 97.1	1358 92.4	1379 93.9	1379 93.9	1379 93.9	1379 93.9
Cwm Taf University HB															
Merthyr Tydfil LA	173	168 97.1	168 97.1	168 97.1	168 97.1	167 96.5	167 96.5	161 93.1	164 94.8	168 97.1	158 91.3	161 93.1	161 93.1	161 93.1	161 93.1
Rhondda Cynon Taff LA	676	663 98.1	663 98.1	663 98.1	663 98.1	662 97.9	652 96.4	626 92.6	641 94.8	659 97.5	626 92.6	633 93.6	633 93.6	633 93.6	633 93.6
Health Board Total	849	831 97.9	831 97.9	831 97.9	831 97.9	829 97.6	819 96.5	787 92.7	805 94.8	827 97.4	784 92.3	794 93.5	794 93.5	794 93.5	794 93.5
Hywel Dda University HB															
Carmarthenshire LA	507	496 97.8	496 97.8	496 97.8	496 97.8	494 97.4	482 95.1	463 91.3	473 93.3	491 96.8	472 93.1	479 94.5	479 94.5	479 94.5	479 94.5
Ceredigion LA	128	121 94.5	121 94.5	121 94.5	121 94.5	121 94.5	119 93.0	114 89.1	122 95.3	122 95.3	119 93.0	121 94.5	121 94.5	121 94.5	121 94.5
Pembrokeshire LA	307	289 94.1	289 94.1	289 94.1	289 94.1	289 94.1	284 92.5	275 89.6	289 94.1	291 94.8	278 90.6	280 91.2	280 91.2	280 91.2	280 91.2
Health Board Total	942	906 96.2	906 96.2	906 96.2	906 96.2	904 96.0	885 93.9	852 90.4	884 93.8	904 96.0	869 92.3	880 93.4	880 93.4	880 93.4	880 93.4
Powys Teaching HB	294	275 93.5	275 93.5	275 93.5	274 93.2	273 92.9	263 89.5	265 90.1	269 91.5	275 93.5	263 89.5	270 91.8	270 91.8	270 91.8	270 91.8
Unknown	38	37 97.4	37 97.4	37 97.4	37 97.4	37 97.4	36 94.7	36 94.7	37 97.4	37 97.4	37 97.4	37 97.4	37 97.4	37 97.4	37 97.4
Wales Total	8667	8436 97.3	8436 97.3	8435 97.3	8436 97.3	8416 97.1	8209 94.7	7949 91.7	8143 94.0	8407 97.0	8026 92.6	8124 93.7	8124 93.7	8123 93.7	8123 93.7

* Complete three dose course, or two doses with the second delivered after 115 days of age

** Final (booster) dose of pneumococcal conjugate vaccine

Table 7. Uptake of HPV vaccine in girls reaching 13 and 14 years of age between 01/09/13 and 31/08/14 and resident on 31/12/13.

Area	13 years (2013-14 School Year 8)*							14 years (2013-14 School Year 9)						
	Resident girls (n)	HPV 1 dose (n) (%)	HPV 2 doses (n) (%)	HPV 3 doses (n) (%)	Resident girls (n)	HPV 1 dose (n) (%)	HPV 2 doses (n) (%)	HPV 3 doses (n) (%)						
Abertawe Bro Morgannwg University HB														
Bridgend LA	817	741 90.7	666 81.5	1 0.1	721	681 94.5	676 93.8	656 91.0						
Neath Port Talbot LA	665	617 92.8	550 82.7	0 0.0	661	615 93.0	608 92.0	591 89.4						
Swansea LA	1243	1136 91.4	968 77.9	0 0.0	1209	1109 91.7	1097 90.7	1058 87.5						
Health Board Total	2725	2494 91.5	2184 80.1	1 0.0	2591	2405 92.8	2381 91.9	2305 89.0						
Aneurin Bevan University HB														
Blaenau Gwent LA	347	332 95.7	282 81.3	0 0.0	370	346 93.5	340 91.9	324 87.6						
Caerphilly LA	915	842 92.0	736 80.4	0 0.0	915	829 90.6	822 89.8	804 87.9						
Monmouthshire LA	478	368 77.0	321 67.2	1 0.2	528	419 79.4	408 77.3	399 75.6						
Newport LA	833	692 83.1	578 69.4	0 0.0	866	769 88.8	755 87.2	727 83.9						
Torfaen LA	510	469 92.0	402 78.8	0 0.0	474	423 89.2	420 88.6	402 84.8						
Health Board Total	3083	2703 87.7	2319 75.2	1 0.0	3153	2786 88.4	2745 87.1	2656 84.2						
Betsi Cadwaladr University HB														
Anglesey LA	353	313 88.7	304 86.1	0 0.0	349	312 89.4	309 88.5	298 85.4						
Conwy LA	604	505 83.6	496 82.1	0 0.0	601	531 88.4	531 88.4	523 87.0						
Denbighshire LA	523	416 79.5	415 79.3	1 0.2	496	440 88.7	437 88.1	421 84.9						
Flintshire LA	794	720 90.7	676 85.1	0 0.0	801	729 91.0	719 89.8	693 86.5						
Gwynedd LA	603	531 88.1	499 82.8	0 0.0	606	541 89.3	537 88.6	534 88.1						
Wrexham LA	679	614 90.4	511 75.3	0 0.0	707	619 87.6	615 87.0	607 85.9						
Health Board Total	3556	3099 87.1	2901 81.6	1 0.0	3560	3172 89.1	3148 88.4	3076 86.4						
Cardiff and Vale University HB														
Cardiff LA	1770	1390 78.5	649 36.7	3 0.2	1758	1552 88.3	1524 86.7	1389 79.0						
Vale of Glamorgan LA	639	528 82.6	162 25.4	0 0.0	689	640 92.9	636 92.3	596 86.5						
Health Board Total	2409	1918 79.6	811 33.7	3 0.1	2447	2192 89.6	2160 88.3	1985 81.1						
Cwm Taf University HB														
Merthyr Tydfil LA	279	256 91.8	244 87.5	0 0.0	317	286 90.2	283 89.3	283 89.3						
Rhondda Cynon Taff LA	1158	1078 93.1	1027 88.7	0 0.0	1193	1122 94.0	1115 93.5	1092 91.5						
Health Board Total	1437	1334 92.8	1271 88.4	0 0.0	1510	1408 93.2	1398 92.6	1375 91.1						
Hywel Dda University HB														
Carmarthenshire LA	887	825 93.0	790 89.1	2 0.2	846	761 90.0	755 89.2	732 86.5						
Ceredigion LA	281	249 88.6	246 87.5	0 0.0	306	261 85.3	258 84.3	256 83.7						
Pembrokeshire LA	544	463 85.1	446 82.0	0 0.0	611	538 88.1	534 87.4	516 84.5						
Health Board Total	1712	1537 89.8	1482 86.6	2 0.1	1763	1560 88.5	1547 87.7	1504 85.3						
Powys Teaching HB	604	496 82.1	472 78.1	3 0.5	640	527 82.3	509 79.5	490 76.6						
Unknown	87	58 66.7	50 57.5	0 0.0	79	63 79.7	63 79.7	59 74.7						
Wales Total	15613	13639 87.4	11490 73.6	11 0.1	15743	14113 89.6	13951 88.6	13450 85.4						

* Current campaign, data entry for immunisation sessions may still be underway.

Table 8. MMR and Td/IPV vaccine uptake in children reaching their 15th birthday between 01/10/13 and 31/12/13 and resident on 31/12/13 (with breakdown of MMR1 and MMR2 coverage by sex).

Area	Resident children		MMR1		MMR2		Teenage 3 in 1 booster*		Resident girls		MMR1 (girls)		MMR2 (girls)		Resident boys		MMR1 (boys)		MMR2 (boys)	
	(n)	(n)	(%)	(n)	(%)	(n)	(%)	(n)	(n)	(n)	(%)	(n)	(%)	(n)	(n)	(%)	(n)	(%)		
<u>Abertawe Bro Morgannwg University HB</u>																				
Bridgend LA	386	372	96.4	358	92.7	289	74.9	192	186	96.9	179	93.2	194	186	95.9	179	92.3			
Neath Port Talbot LA	376	365	97.1	347	92.3	320	85.1	194	189	97.4	178	91.8	182	176	96.7	169	92.9			
Swansea LA	570	548	96.1	516	90.5	476	83.5	265	252	95.1	235	88.7	305	296	97.0	281	92.1			
Health Board Total	1332	1285	96.5	1221	91.7	1085	81.5	651	627	96.3	592	90.9	681	658	96.6	629	92.4			
<u>Aneurin Bevan University HB</u>																				
Blaenau Gwent LA	198	192	97.0	183	92.4	123	62.1	98	95	96.9	88	89.8	100	97	97.0	95	95.0			
Caerphilly LA	479	462	96.5	441	92.1	299	62.4	225	219	97.3	209	92.9	254	243	95.7	232	91.3			
Monmouthshire LA	257	218	84.8	201	78.2	140	54.5	110	89	80.9	86	78.2	147	129	87.8	115	78.2			
Newport LA	461	421	91.3	385	83.5	229	49.7	218	205	94.0	187	85.8	243	216	88.9	198	81.5			
Torfaen LA	269	261	97.0	247	91.8	132	49.1	138	137	99.3	128	92.8	131	124	94.7	119	90.8			
Health Board Total	1664	1554	93.4	1457	87.6	923	55.5	789	745	94.4	698	88.5	875	809	92.5	759	86.7			
<u>Betsi Cadwaladr University HB</u>																				
Anglesey LA	192	186	96.9	175	91.1	149	77.6	91	88	96.7	83	91.2	101	98	97.0	92	91.1			
Conwy LA	308	300	97.4	288	93.5	255	82.8	157	156	99.4	153	97.5	151	144	95.4	135	89.4			
Denbighshire LA	294	286	97.3	270	91.8	237	80.6	140	136	97.1	127	90.7	154	150	97.4	143	92.9			
Flintshire LA	411	397	96.6	374	91.0	338	82.2	227	218	96.0	206	90.7	184	179	97.3	168	91.3			
Gwynedd LA	321	306	95.3	298	92.8	249	77.6	159	151	95.0	145	91.2	162	155	95.7	153	94.4			
Wrexham LA	364	356	97.8	344	94.5	283	77.7	183	179	97.8	174	95.1	181	177	97.8	170	93.9			
Health Board Total	1890	1831	96.9	1749	92.5	1511	79.9	957	928	97.0	888	92.8	933	903	96.8	861	92.3			
<u>Cardiff and Vale University HB</u>																				
Cardiff LA	912	862	94.5	803	88.0	688	75.4	454	432	95.2	408	89.9	458	430	93.9	395	86.2			
Vale of Glamorgan LA	368	358	97.3	346	94.0	306	83.2	176	172	97.7	166	94.3	192	186	96.9	180	93.8			
Health Board Total	1280	1220	95.3	1149	89.8	994	77.7	630	604	95.9	574	91.1	650	616	94.8	575	88.5			
<u>Cwm Taf University HB</u>																				
Merthyr Tydfil LA	182	178	97.8	173	95.1	1	0.5	74	73	98.6	71	95.9	108	105	97.2	102	94.4			
Rhondda Cynon Taff LA	639	620	97.0	582	91.1	15	2.3	304	294	96.7	276	90.8	335	326	97.3	306	91.3			
Health Board Total	821	798	97.2	755	92.0	16	1.9	378	367	97.1	347	91.8	443	431	97.3	408	92.1			
<u>Hywel Dda University HB</u>																				
Carmarthenshire LA	481	457	95.0	436	90.6	396	82.3	241	228	94.6	219	90.9	240	229	95.4	217	90.4			
Ceredigion LA	174	166	95.4	156	89.7	142	81.6	82	79	96.3	76	92.7	92	87	94.6	80	87.0			
Pembrokeshire LA	342	323	94.4	301	88.0	269	78.7	165	155	93.9	149	90.3	177	168	94.9	152	85.9			
Health Board Total	997	946	94.9	893	89.6	807	80.9	488	462	94.7	444	91.0	509	484	95.1	449	88.2			
<u>Powys Teaching HB</u>	344	319	92.7	309	89.8	18	5.2	158	144	91.1	141	89.2	186	175	94.1	168	90.3			
Unknown	46	39	84.8	36	78.3	22	47.8	21	17	81.0	15	71.4	25	22	88.0	21	84.0			
Wales Total	8374	7992	95.4	7569	90.4	5376	64.2	4072	3894	95.6	3699	90.8	4302	4098	95.3	3870	90.0			

* Teenage booster dose of diphtheria, tetanus and polio (diphtheria used as proxy)

Table 9. MMR and Td/IPV vaccine uptake in children reaching their 16th birthday between 01/10/13 and 31/12/13 and resident on 31/12/13 (with breakdown of MMR1 and MMR2 coverage by sex).

Area	Resident children		MMR1		MMR2		Teenage 3 in 1 booster*		Resident girls		MMR1 (girls)		MMR2 (girls)		Resident boys		MMR1 (boys)		MMR2 (boys)	
	(n)	(n)	(%)	(n)	(%)	(n)	(%)	(n)	(n)	(n)	(%)	(n)	(%)	(n)	(n)	(%)	(n)	(%)		
<u>Abertawe Bro Morgannwg University HB</u>	(n)	(n)	(%)	(n)	(%)	(n)	(%)	(n)	(n)	(n)	(%)	(n)	(%)	(n)	(n)	(%)	(n)	(%)		
Bridgend LA	429	411	95.8	395	92.1	358	83.4	198	190	96.0	185	93.4	231	221	95.7	210	90.9			
Neath Port Talbot LA	411	390	94.9	360	87.6	337	82.0	202	193	95.5	174	86.1	209	197	94.3	186	89.0			
Swansea LA	662	639	96.5	590	89.1	565	85.3	318	306	96.2	281	88.4	344	333	96.8	309	89.8			
Health Board Total	1502	1440	95.9	1345	89.5	1260	83.9	718	689	96.0	640	89.1	784	751	95.8	705	89.9			
<u>Aneurin Bevan University HB</u>																				
Blaenau Gwent LA	196	182	92.9	173	88.3	166	84.7	102	95	93.1	91	89.2	94	87	92.6	82	87.2			
Caerphilly LA	500	480	96.0	464	92.8	385	77.0	237	226	95.4	222	93.7	263	254	96.6	242	92.0			
Monmouthshire LA	241	230	95.4	213	88.4	176	73.0	112	107	95.5	100	89.3	129	123	95.3	113	87.6			
Newport LA	504	469	93.1	439	87.1	369	73.2	239	222	92.9	208	87.0	264	247	93.6	231	87.5			
Torfaen LA	284	275	96.8	255	89.8	232	81.7	150	146	97.3	135	90.0	134	129	96.3	120	89.6			
Health Board Total	1725	1636	94.8	1544	89.5	1328	77.0	840	796	94.8	756	90.0	884	840	95.0	788	89.1			
<u>Betsi Cadwaladr University HB</u>																				
Anglesey LA	161	156	96.9	152	94.4	139	86.3	87	86	98.9	85	97.7	74	70	94.6	67	90.5			
Conwy LA	330	320	97.0	305	92.4	279	84.5	157	152	96.8	143	91.1	172	167	97.1	161	93.6			
Denbighshire LA	298	292	98.0	280	94.0	264	88.6	129	126	97.7	120	93.0	167	164	98.2	160	95.8			
Flintshire LA	411	397	96.6	373	90.8	353	85.9	213	208	97.7	196	92.0	198	189	95.5	177	89.4			
Gwynedd LA	306	292	95.4	281	91.8	261	85.3	148	140	94.6	135	91.2	158	152	96.2	146	92.4			
Wrexham LA	329	317	96.4	303	92.1	271	82.4	171	163	95.3	154	90.1	158	154	97.5	149	94.3			
Health Board Total	1835	1774	96.7	1694	92.3	1567	85.4	905	875	96.7	833	92.0	927	896	96.7	860	92.8			
<u>Cardiff and Vale University HB</u>																				
Cardiff LA	918	851	92.7	805	87.7	701	76.4	455	419	92.1	402	88.4	462	432	93.5	403	87.2			
Vale of Glamorgan LA	418	386	92.3	367	87.8	339	81.1	218	203	93.1	193	88.5	200	183	91.5	174	87.0			
Health Board Total	1336	1237	92.6	1172	87.7	1040	77.8	673	622	92.4	595	88.4	662	615	92.9	577	87.2			
<u>Cwm Taf University HB</u>																				
Merthyr Tydfil LA	176	169	96.0	151	85.8	152	86.4	85	82	96.5	71	83.5	91	87	95.6	80	87.9			
Rhondda Cynon Taff LA	666	643	96.5	603	90.5	569	85.4	326	314	96.3	292	89.6	340	329	96.8	311	91.5			
Health Board Total	842	812	96.4	754	89.5	721	85.6	411	396	96.4	363	88.3	431	416	96.5	391	90.7			
<u>Hywel Dda University HB</u>																				
Carmarthenshire LA	483	448	92.8	418	86.5	402	83.2	234	222	94.9	210	89.7	249	226	90.8	208	83.5			
Ceredigion LA	158	148	93.7	136	86.1	126	79.7	75	69	92.0	64	85.3	83	79	95.2	72	86.7			
Pembrokeshire LA	304	284	93.4	261	85.9	240	78.9	133	124	93.2	116	87.2	171	160	93.6	145	84.8			
Health Board Total	945	880	93.1	815	86.2	768	81.3	442	415	93.9	390	88.2	503	465	92.4	425	84.5			
<u>Powys Teaching HB</u>	356	329	92.4	306	86.0	276	77.5	161	148	91.9	141	87.6	195	181	92.8	165	84.6			
Unknown	61	49	80.3	39	63.9	35	57.4	27	23	85.2	17	63.0	34	26	76.5	22	64.7			
Wales Total	8602	8157	94.8	7669	89.2	6995	81.3	4177	3964	94.9	3735	89.4	4420	4190	94.8	3933	89.0			

* Teenage booster dose of diphtheria, tetanus and polio (diphtheria used as proxy).

Table 10. Uptake of HPV vaccine in girls reaching appropriate birthdays between 01/09/13 and 31/08/14 and resident in Wales on 31/12/13.

Area	15 years							16 years							17 years						
	Resident girls	1 dose	2 doses	3 doses	Resident girls	1 dose	2 doses	3 doses	Resident girls	1 dose	2 doses	3 doses	Resident girls	1 dose	2 doses	3 doses					
	(n)	(n)	(%)	(n)	(%)	(n)	(%)	(n)	(n)	(%)	(n)	(%)	(n)	(n)	(%)	(n)	(%)				
ABM UHB																					
Bridgend LA	769	697	90.6	692	90.0	686	89.2	788	728	92.4	724	91.9	715	90.7	839	764	91.1	759	90.5	749	89.3
Neath Port Talbot LA	724	657	90.7	650	89.8	650	89.8	774	733	94.7	727	93.9	715	92.4	801	714	89.1	702	87.6	690	86.1
Swansea LA	1166	1058	90.7	1047	89.8	1034	88.7	1246	1130	90.7	1118	89.7	1100	88.3	1257	1087	86.5	1076	85.6	1060	84.3
Health Board Total	2659	2412	90.7	2389	89.8	2370	89.1	2808	2591	92.3	2569	91.5	2530	90.1	2897	2565	88.5	2537	87.6	2499	86.3
Aneurin Bevan UHB																					
Blaenau Gwent LA	382	362	94.8	362	94.8	355	92.9	400	365	91.3	359	89.8	355	88.8	396	373	94.2	369	93.2	363	91.7
Caerphilly LA	1004	924	92.0	917	91.3	912	90.8	1031	937	90.9	923	89.5	903	87.6	1080	959	88.8	950	88.0	931	86.2
Monmouthshire LA	517	403	77.9	400	77.4	393	76.0	505	382	75.6	378	74.9	373	73.9	593	454	76.6	447	75.4	441	74.4
Newport LA	939	803	85.5	793	84.5	777	82.7	986	840	85.2	831	84.3	821	83.3	944	777	82.3	775	82.1	763	80.8
Torfaen LA	542	496	91.5	495	91.3	481	88.7	573	516	90.1	517	90.2	513	89.5	611	552	90.3	551	90.2	545	89.2
Health Board Total	3384	2988	88.3	2967	87.7	2918	86.2	3495	3040	87.0	3008	86.1	2965	84.8	3624	3115	86.0	3092	85.3	3043	84.0
Betsi Cadwaladr UHB																					
Anglesey LA	364	327	89.8	324	89.0	313	86.0	359	335	93.3	333	92.8	331	92.2	399	341	85.5	337	84.5	330	82.7
Conwy LA	600	548	91.3	544	90.7	538	89.7	609	568	93.3	567	93.1	552	90.6	599	537	89.6	531	88.6	522	87.1
Denbighshire LA	552	490	88.8	488	88.4	481	87.1	525	484	92.2	480	91.4	471	89.7	577	508	88.0	505	87.5	494	85.6
Flintshire LA	787	723	91.9	718	91.2	710	90.2	835	765	91.6	762	91.3	751	89.9	889	798	89.8	794	89.3	790	88.9
Gwynedd LA	645	569	88.2	563	87.3	557	86.4	606	537	88.6	535	88.3	532	87.8	672	573	85.3	569	84.7	562	83.6
Wrexham LA	669	606	90.6	606	90.6	601	89.8	711	645	90.7	642	90.3	638	89.7	653	576	88.2	572	87.6	572	87.6
Health Board Total	3617	3263	90.2	3243	89.7	3200	88.5	3645	3334	91.5	3319	91.1	3275	89.8	3789	3333	88.0	3308	87.3	3270	86.3
Cardiff & Vale UHB																					
Cardiff LA	1793	1591	88.7	1558	86.9	1469	81.9	1866	1610	86.3	1586	85.0	1512	81.0	1819	1527	83.9	1481	81.4	1418	78.0
Vale of Glamorgan LA	712	660	92.7	655	92.0	633	88.9	761	678	89.1	666	87.5	631	82.9	874	732	83.8	710	81.2	679	77.7
Health Board Total	2505	2251	89.9	2213	88.3	2102	83.9	2627	2288	87.1	2252	85.7	2143	81.6	2693	2259	83.9	2191	81.4	2097	77.9
Cwm Taf UHB																					
Merthyr Tydfil LA	305	284	93.1	282	92.5	281	92.1	331	300	90.6	298	90.0	295	89.1	376	343	91.2	339	90.2	323	85.9
Rhondda Cynon Taff LA	1245	1181	94.9	1173	94.2	1150	92.4	1288	1211	94.0	1191	92.5	1165	90.5	1319	1218	92.3	1208	91.6	1194	90.5
Health Board Total	1550	1465	94.5	1455	93.9	1431	92.3	1619	1511	93.3	1489	92.0	1460	90.2	1695	1561	92.1	1547	91.3	1517	89.5
Hywel Dda UHB																					
Carmarthenshire LA	924	842	91.1	837	90.6	830	89.8	930	831	89.4	829	89.1	822	88.4	984	830	84.3	818	83.1	813	82.6
Ceredigion LA	309	263	85.1	260	84.1	258	83.5	340	288	84.7	286	84.1	277	81.5	339	268	79.1	266	78.5	264	77.9
Pembrokeshire LA	650	565	86.9	556	85.5	532	81.8	636	550	86.5	546	85.8	534	84.0	657	563	85.7	556	84.6	538	81.9
Health Board Total	1883	1670	88.7	1653	87.8	1620	86.0	1906	1669	87.6	1661	87.1	1633	85.7	1980	1661	83.9	1640	82.8	1615	81.6
Powys Teaching LHB	699	592	84.7	586	83.8	580	83.0	691	582	84.2	577	83.5	565	81.8	741	605	81.6	600	81.0	589	79.5
Unknown	84	58	69.0	58	69.0	57	67.9	94	63	67.0	61	64.9	59	62.8	120	73	60.8	71	59.2	69	57.5
Wales Total	16381	14699	89.7	14564	88.9	14278	87.2	16885	15078	89.3	14936	88.5	14630	86.6	17539	15172	86.5	14986	85.4	14699	83.8

Table 11. Uptake of BCG immunisation in children reaching their 1st, 2nd, 5th and 16th birthdays between 01/10/13 and 31/12/13 and resident on 31/12/13.

Area	1 yr			2 yrs			5 yrs			16 yrs		
	Resident children (n)	BCG Immunised (n)	(%)	Resident children (n)	BCG Immunised (n)	(%)	Resident children (n)	BCG Immunised (n)	(%)	Resident children (n)	BCG Immunised (n)	(%)
<u>Abertawe Bro Morgannwg University HB</u>												
Bridgend LA	432	20	4.6	453	22	4.9	397	13	3.3	429	9	2.1
Neath Port Talbot LA	378	12	3.2	416	17	4.1	392	16	4.1	411	1	0.2
Swansea LA	642	71	11.1	675	71	10.5	653	69	10.6	662	13	2.0
Health Board Total	1452	103	7.1	1544	110	7.1	1442	98	6.8	1502	23	1.5
<u>Aneurin Bevan University HB</u>												
Blaenau Gwent LA	226	5	2.2	203	9	4.4	217	5	2.3	196	1	0.5
Caerphilly LA	561	16	2.9	546	11	2.0	531	12	2.3	500	3	0.6
Monmouthshire LA	204	10	4.9	217	4	1.8	247	4	1.6	241	4	1.7
Newport LA	469	69	14.7	490	82	16.7	498	91	18.3	504	16	3.2
Torfaen LA	288	5	1.7	263	7	2.7	267	3	1.1	284	3	1.1
Health Board Total	1748	105	6.0	1719	113	6.6	1760	115	6.5	1725	27	1.6
<u>Betsi Cadwaladr University HB</u>												
Anglesey LA	201	4	2.0	181	1	0.6	199	5	2.5	161	2	1.2
Conwy LA	289	18	6.2	286	9	3.1	272	8	2.9	330	7	2.1
Denbighshire LA	268	13	4.9	276	7	2.5	271	17	6.3	298	7	2.3
Flintshire LA	381	12	3.1	440	15	3.4	397	16	4.0	411	14	3.4
Gwynedd LA	308	6	1.9	342	17	5.0	319	11	3.4	306	3	1.0
Wrexham LA	428	22	5.1	414	25	6.0	415	36	8.7	329	15	4.6
Health Board Total	1875	75	4.0	1939	74	3.8	1873	93	5.0	1835	48	2.6
<u>Cardiff and Vale University HB</u>												
Cardiff LA	1225	238	19.4	1219	249	20.4	1089	228	20.9	918	96	10.5
Vale of Glamorgan LA	353	13	3.7	386	22	5.7	380	16	4.2	418	12	2.9
Health Board Total	1578	251	15.9	1605	271	16.9	1469	244	16.6	1336	108	8.1
<u>Cwm Taf Univeristy HB</u>												
Merthyr Tydfil LA	199	9	4.5	205	21	10.2	173	13	7.5	176	3	1.7
Rhondda Cynon Taff LA	660	22	3.3	730	34	4.7	676	25	3.7	666	13	2.0
Health Board Total	859	31	3.6	935	55	5.9	849	38	4.5	842	16	1.9
<u>Hywel Dda University HB</u>												
Carmarthenshire LA	504	12	2.4	498	23	4.6	507	20	3.9	483	10	2.1
Ceredigion LA	162	4	2.5	142	9	6.3	128	6	4.7	158	5	3.2
Pembrokeshire LA	315	11	3.5	328	11	3.4	307	5	1.6	304	6	2.0
Health Board Total	981	27	2.8	968	43	4.4	942	31	3.3	945	21	2.2
<u>Powys Teaching Health Board</u>	293	4	1.4	313	6	1.9	294	7	2.4	356	5	1.4
Unknown	34	1	2.9	21	0	0.0	38	2	5.3	61	1	1.6
Wales Total	8820	597	6.8	9044	672	7.4	8667	628	7.2	8602	249	2.9

Data reflects immunisations given and recorded on the NCCHD (following notifications to local Child Health Administration Offices), may be subject to under-reporting. BCG is not a routinely scheduled immunisation.

Table 12. Uptake of hepatitis B immunisation in children receiving their first dose within seven days of birth, reaching their 1st, 2nd, 5th and 16th birthdays during 01/10/13 and 31/12/13 and resident on 31/12/13, and percentage who are recorded as completing doses 1 to 3.

Area	1yr					2yrs					5yrs					16yrs				
	Resident children	HepB dose 1	HepB dose 2	HepB dose 3	Completed 3 doses (%)	Resident children	HepB dose 1	HepB dose 2	HepB dose 3	Completed 3 doses (%)	Resident children	HepB dose 1	HepB dose 2	HepB dose 3	Completed 3 doses (%)	Resident children	HepB dose 1	HepB dose 2	HepB dose 3	Completed 3 doses (%)
Abertawe Bro Morgannwg University HB	(n)	(n)	(n)	(n)	(%)	(n)	(n)	(n)	(n)	(%)	(n)	(n)	(n)	(n)	(%)	(n)	(n)	(n)	(n)	(%)
Bridgend LA	432	2	0	0	0.0	453	4	3	2	50.0	397	0	0	0	-	429	2	2	1	50.0
Neath Port Talbot LA	378	0	0	0	-	416	4	4	4	100.0	392	4	4	4	100.0	411	0	0	0	-
Swansea LA	642	7	3	2	28.6	675	8	8	7	87.5	653	12	12	10	83.3	662	2	2	2	100.0
Health Board Total	1452	9	3	2	22.2	1544	16	15	13	81.3	1442	16	16	14	87.5	1502	4	4	3	75.0
Aneurin Bevan University HB																				
Blaenau Gwent LA	226	0	0	0	-	203	2	2	2	100.0	217	1	1	1	100.0	196	0	0	0	-
Caerphilly LA	561	2	2	2	100.0	546	4	4	4	100.0	531	3	3	3	100.0	500	0	0	0	-
Monmouthshire LA	204	0	0	0	-	217	1	1	1	100.0	247	1	1	1	100.0	241	0	0	0	-
Newport LA	469	2	1	0	0.0	490	6	6	6	100.0	498	5	5	5	100.0	504	2	2	2	100.0
Torfaen LA	288	1	0	0	0.0	263	1	1	1	100.0	267	2	2	1	50.0	284	0	0	0	-
Health Board Total	1748	5	3	2	40.0	1719	14	14	14	100.0	1760	12	12	11	91.7	1725	2	2	2	100.0
Betsi Cadwalladr University HB																				
Anglesey LA	201	0	0	0	-	181	0	0	0	-	199	1	1	1	100.0	161	0	0	0	-
Conwy LA	289	0	0	0	-	286	2	2	1	50.0	272	0	0	0	-	330	0	0	0	-
Denbighshire LA	268	0	0	0	-	276	0	0	0	-	271	1	1	0	0.0	298	0	0	0	-
Flintshire LA	381	1	0	0	0.0	440	6	6	5	83.3	397	4	4	4	100.0	411	0	0	0	-
Gwynedd LA	308	1	1	0	0.0	342	0	0	0	-	319	3	3	2	66.7	306	0	0	0	-
Wrexham LA	428	0	0	0	-	414	1	1	1	100.0	415	8	7	7	87.5	329	5	5	5	100.0
Health Board Total	1875	2	1	0	0.0	1939	9	9	7	77.8	1873	17	16	14	82.4	1835	5	5	5	100.0
Cardiff and Vale University HB																				
Cardiff LA	1225	16	11	8	50.0	1219	20	18	16	80.0	1089	29	27	26	89.7	918	6	6	4	66.7
Vale of Glamorgan LA	353	0	0	0	-	386	2	2	2	100.0	380	2	2	2	100.0	418	1	1	1	100.0
Health Board Total	1578	16	11	8	50.0	1605	22	20	18	81.8	1469	31	29	28	90.3	1336	7	7	5	71.4
Cwm Taf University HB																				
Merthyr Tydfil LA	199	1	1	0	0.0	205	0	0	0	-	173	1	1	1	100.0	176	1	1	1	100.0
Rhondda Cynon Taff LA	660	4	3	2	50.0	730	0	0	0	-	676	2	2	2	100.0	666	0	0	0	-
Health Board Total	859	5	4	2	40.0	935	0	0	0	-	849	3	3	3	100.0	842	1	1	1	100.0
Hywel Dda University HB																				
Carmarthenshire LA	504	2	2	0	0.0	498	3	2	0	0.0	507	9	7	7	77.8	483	0	0	0	-
Ceredigion LA	162	0	0	0	-	142	1	1	1	100.0	128	1	1	1	100.0	158	0	0	0	-
Pembrokeshire LA	315	0	0	0	-	328	0	0	0	-	307	0	0	0	-	304	0	0	0	-
Health Board Total	981	2	2	0	0.0	968	4	3	1	25.0	942	10	8	8	80.0	945	0	0	0	-
Powys Teaching Health Board	293	0	0	0	-	313	0	0	0	-	294	1	1	1	100.0	356	0	0	0	-
Unknown	34	0	0	0	-	21	0	0	0	-	38	0	0	0	-	61	0	0	0	-
Wales Total	8820	39	24	14	35.9	9044	65	61	53	81.5	8667	90	85	79	87.8	8602	19	19	16	84.2

Data reflects immunisations given and recorded on the NCCHD (following notifications to local Child Health Administration Offices) and may be subject to under-reporting. Hepatitis B is not a routinely scheduled immunisation. Only children who receive the first dose of hepatitis B vaccine within seven days of birth (suggesting high risk status) are included in this table.