

Vaccine Uptake in Children in Wales April to June 2014

COVER 111: Wales September 2014



Key points

- Uptake of all scheduled immunisations, except rotavirus, in children at 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” vaccine.
- Uptake of two doses of rotavirus vaccine was 59%, this represents uptake in the first quarter of children who were eligible for this new vaccine and is expected to rise quickly.
- Uptake of the first dose of MMR vaccine in two year old children was 96%. Twenty LA areas and all seven Health Boards achieved the target of 95% uptake.
- This quarter, 86% 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 remained stable at 94% this quarter.
- Uptake of the first dose of Human Papillomavirus (HPV) vaccine in girls in the 2013-14 School Year 8 was 90%, uptake of the second dose was 88% and uptake of the third dose was 77% at the time of data collection.
- Coverage of one dose of MMR vaccine in 16 year olds remained stable at 95% this quarter and coverage of a completed two dose course remained stable at 90% this quarter.
- Coverage of the Td/IPV teenage booster was 83% in 16 year olds.

These results are for children living in Wales in June 2014 and reaching their first, second, fourth, fifth, 15th and 16th birthdays during the quarter 01/04/2014 to 30/06/2014. 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 group. 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/>). Coverage of neonatal hepatitis B immunisation is presented here, using data from the Public Health Wales Neonatal Hepatitis B database.

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 was 96.2%, compared to 96.3% last quarter. Uptake ranged by Health Board from 93.0% to 97.9% and by Local Authority (LA) from 92.3% (Cardiff) to 99.0% (Flintshire). Nineteen of the 22 LA areas achieved the target 95% uptake (Figures 2 and 4, Tables 2 and 3).
2. Following changes to the childhood immunisation schedule in June 2013, a completed MenC primary course is one dose of MenC vaccine at three months of age. National uptake of a completed one dose course of MenC³ vaccine in children reaching their first

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 MenC 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

birthday this quarter was 97.1%. Uptake in Health Boards ranged from 94.5% to 98.3% and ranged by LA from 93.8% (Cardiff) to 99.5% (Blaenau Gwent). Twenty-one of the 22 LA areas achieved an uptake in excess of the 95% target (Figure 2, Tables 2 and 3).

3. Uptake of a complete two dose primary course of pneumococcal conjugate vaccination (PCV2²) in children reaching their first birthday was 95.7% this quarter (compared to 96.0% last quarter), ranging by LA from 91.2% (Cardiff) to 98.7% (Flintshire). Sixteen LA areas achieved the target 95% uptake (Figures 1 and 2, Table 3).
4. Uptake of two doses of rotavirus vaccine in children reaching their first birthday this quarter was 59.4%. Uptake in Health Boards ranged from 56.2% to 67.4% and ranged by LA from 49.6% (Ceredigion) to 68.8% (Rhondda Cynon Taf) (Figure 2, Tables 2 and 3). This is the first group of children reported through the quarterly COVER scheme who would have been eligible to receive rotavirus vaccine. Data suggest that uptake will increase for the next COVER report (reporting on July – September 2014) to be more in line with other scheduled vaccinations in one year olds.
5. Uptake of the first dose of MMR⁴ in children reaching their second birthday (scheduled at 12 to 13 months of age) was 96.3% this quarter (compared to 96.7% last quarter) and ranged by LA from 93.4% (Gwynedd) to 98.5% (Anglesey) (Figures 1, 2 and 5, Tables 2 and 4). Twenty LA areas achieved the target of 95% uptake.
6. Uptake of the final dose of Pneumococcal Conjugate Vaccine (PCVf, scheduled at 12 to 13 months of age) in children reaching their second birthday was 96.1% this quarter (compared to 96.3% last quarter). Uptake by LA ranged from 94.0% (Gwynedd) to 98.5% (Anglesey) (Tables 2, 4). Nineteen LA areas achieved an uptake in excess of 95%.
7. Uptake of the Hib/MenC booster (given at 12 to 13 months of age) in children reaching two years of age remained stable at 95.4% during this quarter, ranging by LA from 93.7% (Gwynedd) to 98.0% (Anglesey) (Tables 2, 4). Fourteen LA areas achieved uptakes in excess of 95%.
8. In children reaching four years of age this quarter, coverage of the 4 in 1 preschool booster was 88.4%, coverage of the Hib/MenC booster was 95.2% and uptake of two doses of MMR was 90.0% (Table 5). This year the calculation method for proportions of children up to date with routine immunisation by four years of age was revised during 2014 quarter 1, to remove the pneumococcal conjugate vaccine booster dose, as this is not clinically indicated after two years of age. The proportion of children who were up to date with all their routine immunisations at four years of age decreased to 86.1% this quarter from 87.2% last quarter (Table 1). This ranged by HB from 82.7% (Aneurin Bevan University HB) to 90.4% (Cwm Taf University HB) and by LA from 79.5% (Bridgend) to 92.3% (Wrexham) (Figure 3, Table 1).
9. In children reaching five years of age this quarter, coverage of one dose of MMR decreased slightly to 96.8% from 97.0% last quarter. Uptake of two doses of MMR decreased slightly to 92.8% from 93.0% last quarter (Table 6). Uptake of two doses of MMR ranged by Health Board from 87.8% (Powys Teaching HB) to 94.4% (Cwm Taf University HB) and by LA from 87.8% (Powys) to 96.0% (Conwy) (Figures 1, and 2, Tables 2 and 6). Two LA areas exceeded 95% uptake for two doses of MMR by five years of age (Figure 6).
10. Uptake of the “4 in 1” DTaP/IPV⁵ pre-school booster in children reaching their fifth birthday decreased to 93.5% this quarter (from 93.9% last quarter), ranging by Health Board from 91.2% (Powys Teaching HB) to 95.4% (Cwm Taf University HB) and by LA from 88.1% (Monmouthshire) to 96.2% (Ceredigion) (Tables 2, 6). Five LA areas achieved the 95% uptake target (Figure 7).

four months of age and a one dose MenC primary course scheduled at three 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.

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.

11. Coverage of a two dose primary course of MenC in children reaching their fifth birthday this quarter remained stable at 94.2% this quarter. Coverage ranged by Health Board from 89.7% (Powys Teaching HB) to 97.1% (Cwm Taf University HB) and by LA from 89.7% (Powys) to 97.4% (Blaenau Gwent and Bridgend) (Table 6).
12. Uptake of the first dose of HPV vaccine in girls in the 2013-14 School Year 8 was 89.6%, uptake of two doses was 87.6%, and uptake of three doses was 77.2% (Table 7). Data entry and some vaccination sessions for the third dose may not have been complete when data for this report were extracted and therefore, uptake for the third dose is expected to increase. Coverage of HPV vaccination in 2012-13 School Year 8 group was at 89.8%, 88.9% and 86.6% for one, two and three doses respectively (Table 7). This represents end of year figures for the 2012-13 routine HPV campaign, although coverage may increase as girls who have missed out on vaccination are given opportunity to catch up.
13. Coverage of two doses of MMR in children reaching 16 years of age this quarter was 89.7% (compared to 90.1% last quarter), ranging by LA from 81.5% (Monmouthshire) to 94.2% (Anglesey). Coverage of one dose of MMR was 95.1% (compared to 95.4% last quarter), ranging by LA from 90.0% (Monmouthshire) to 97.5% (Blaenau Gwent) (Tables 2 and 9). Coverage of a full course (two doses of MMR) of immunisation against rubella in 16 year old girls this quarter was 89.6% and coverage of only one dose was 95.0% (Table 9).
14. National uptake of the Td/IPV⁶ teenage booster in children reaching 16 years of age this quarter was 82.5%, ranging by LA from 74.4% (Powys) to 90.5% (Anglesey) (Tables 2 and 9).
15. Coverage in the 2013-14 cohort of year 10 girls (girls reaching their 15th birthday during 01/09/13 to 31/08/14) of a complete three dose course of HPV vaccine is currently 87.4%. 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 86.7%. 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 83.9% (Table 10).
16. Uptake of BCG⁷ immunisation is presented in Table 11. These data are based on BCG immunisations recorded in the National Community Child Health Database. BCG immunisation has been received by 5.3%, 7.2%, 7.2% and 3.5% of children reaching their first, second, fifth and 16th birthdays (respectively) during quarter two 2014. Highest proportions of children given BCG by one and two years of age this quarter were seen in Cardiff, Newport and Swansea LA's⁸.
17. Uptake of hepatitis B immunisation, extracted from the Public Health Wales All Wales Neonatal Hepatitis B immunisation database, is presented in Table 12. The database was developed to assist the Public Health Wales Health Protection Team in the monitoring and follow up of hepatitis B immunisation of babies born to hepatitis B positive mothers and to provide a source for statistics on uptake of hepatitis B immunisation in this group. Uptake of three doses in children who were at risk of perinatal infection and reached their first birthday this quarter was 100%. Uptake of four doses in children who were at risk of perinatal infection and reached their second birthday this quarter was 89%. Uptake of four doses in children who were at risk of perinatal infection and reached their fifth birthday this quarter was 100%.

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 are not known

Comment

Overall, national vaccination uptakes remain comparable to the previous quarter and uptakes of many vaccinations continue to exceed 95% in Wales. Slight falls in the uptake of some vaccines may reflect increased workload of introducing new vaccines, including influenza vaccine, into the childhood schedule in 2013-14.

Uptake of all routine immunisations scheduled for babies in their first year of life remained above 95% this quarter, except for the newly introduced rotavirus vaccine. This is the first quarterly COVER report which contains rotavirus immunisation uptake figures in children aged one year, these figures represent uptake in the first group of children who would have been scheduled to receive the vaccine [1]. Out of the children reaching their first birthday during April to June 2014, coverage of rotavirus immunisation was lowest in those with their first birthday in April and substantially higher in the following two months. For further information please refer to Public Health Wales Quarterly [COVER Report 110](#) [2].

The percentage of children reaching their fourth birthday who are fully up to date with all scheduled vaccines has decreased slightly this quarter compared to the previous quarter. Out of all the immunisations that are included in this composite measure, uptakes of the pre-school (4 in 1) booster and the second dose of MMR vaccine, both scheduled at three years four months of age, are lowest. Improvements in timely routine uptake of these vaccines would lead to increases in the proportions of children who are fully up to date by four years of age.

Coverage of the combined diphtheria, tetanus and polio booster in teenagers aged 15 years continued on a positive trend this quarter and coverage of one dose of MMR vaccine exceeded 95% nationally in the age group, increased coverage of a complete two-dose course of MMR vaccine is needed however, if Wales is to make progress toward measles elimination.

[1] Welsh Government (2013) Important changes to the National Immunisation Programme in 2013-14 and introduction of rotavirus vaccination for babies at 2 and 3 months of age, CMO letter(2013)09.

<http://wales.gov.uk/docs/phhs/publications/130524rotavirusen.pdf>

[2] Public Health Wales Health Protection Division. Vaccine uptake in Children in Wales, January to March 2014: COVER report 110, June 2014. Cardiff, Public Health Wales.

<http://www.wales.nhs.uk/sites3/page.cfm?orgid=457&pid=54144>

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, April to June 2014: COVER report 111, September 2014. Cardiff, Public Health Wales.

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

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Figure 1. Percentage uptake of childhood immunisations⁹ in Wales, quarter 1 1997 to quarter 2 2014. Data are for children reaching 1 year of age each quarter for diphtheria, pertussis, Hib, MenC¹⁰ 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).

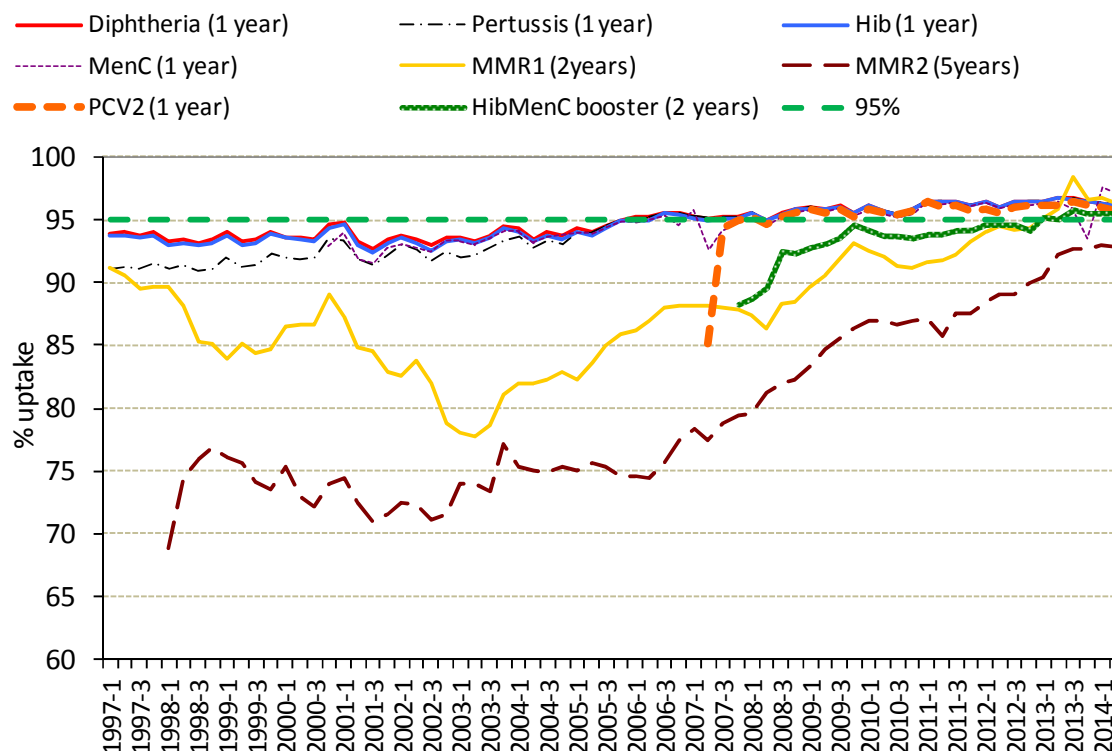
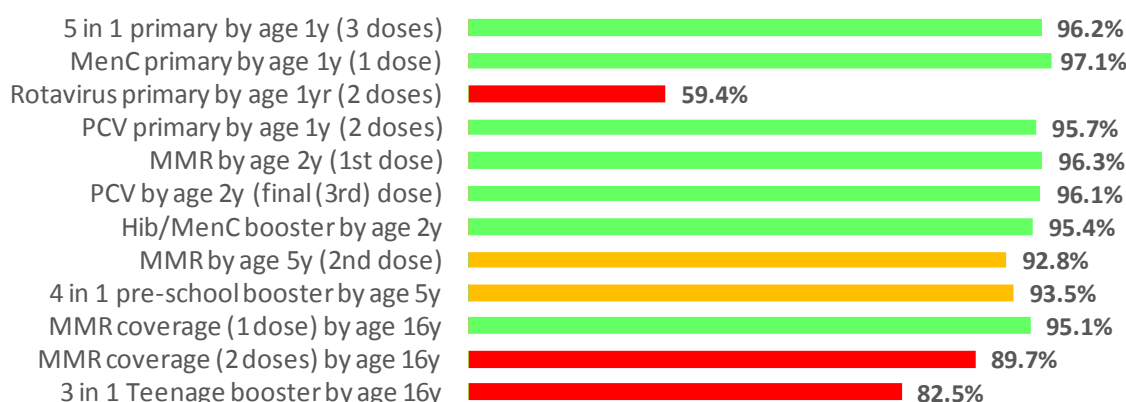


Figure 2. Summary of uptake rates for selected immunisations⁹ in resident children reaching their 1st, 2nd, 5th and 16th birthday between 01/04/14 and 30/06/14 and resident on 30/06/14.

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⁹ MenC uptake for children reaching one year of age is based on a completed one dose course of MenC vaccination. This is due to the MenC programme change in June 2013 from a two dose MenC primary course given at 3 months and 4 months of age to a one dose primary course at 3 months of age. The rise in MenC uptake is expected due to the removal of the 4 month dose.

Figure 3. Percentage uptake of resident children reaching their 4th birthday between 01/04/14 and 30/06/14 and are up to date with all scheduled vaccines¹⁰ by Health Board.

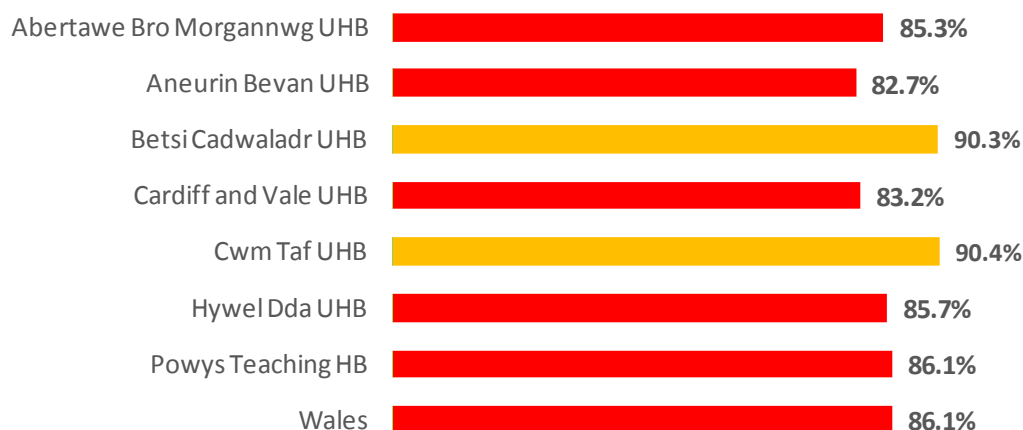


Table 1. Percentage uptake of resident children reaching their 4th birthday between 01/04/13 and 30/06/14 and are up to date with all scheduled vaccines¹⁰ by Health Board, quarter 1 2013 to quarter 2 2014.

Area	Up to date in schedule				
	2013-2	2013-3	2013-4	2014-1	2014-2
Abertawe Bro Morgannwg UHB	85.9	87.3	86.7	85.2	85.3
Aneurin Bevan UHB	84.0	86.6	86.1	85.2	82.7
Betsi Cadwaladr UHB	87.3	88.1	90.5	90.1	90.3
Cardiff and Vale UHB	84.0	86.0	84.3	84.6	83.2
Cwm Taf UHB	88.8	89.7	89.9	91.2	90.4
Hywel Dda UHB	86.3	86.2	87.2	89.0	85.7
Powys Teaching HB	81.5	86.4	90.2	86.2	86.1
Wales	85.7	87.2	87.5	87.2	86.1

¹⁰ Completed 4 in 1 preschool booster, the Hib/MenC booster and second MMR dose by four years of age. The calculation method for proportions of children up to date with routine immunisation by four years of age was revised during 2014 quarter 1, to remove the pneumococcal conjugate vaccine booster dose, as this is not clinically indicated after two years of age.

Figure 4. Uptake of 5 in 1 vaccine in Welsh Local Authority areas in children reaching their 1st birthday between 01/04/14 and 30/06/14.

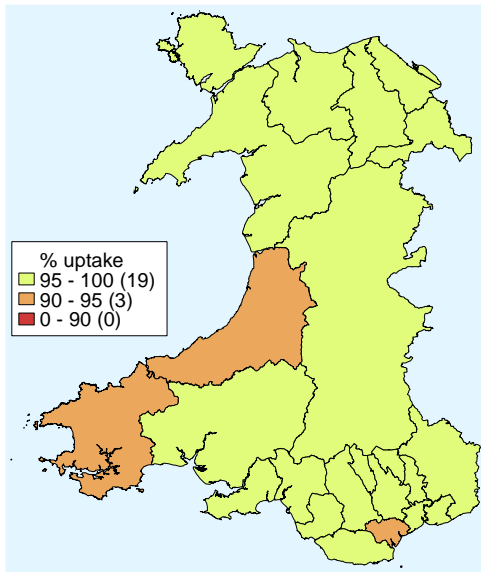


Figure 5. Uptake of at least 1 dose of MMR immunisation in Welsh Local Authority areas in children reaching their 2nd birthday between 01/04/14 and 30/06/14.

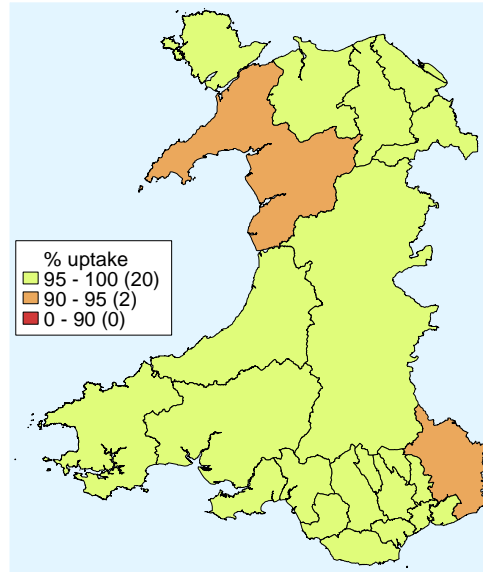


Figure 6. Uptake of two doses of MMR vaccine in Welsh Local Authority areas in children reaching their 5th birthday between 01/04/14 and 30/06/14.

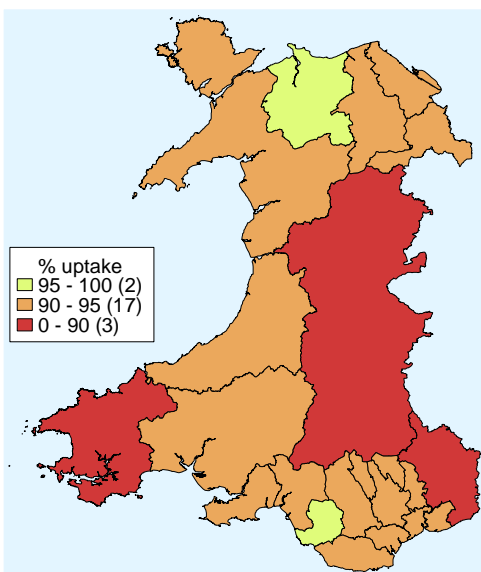


Figure 7. Uptake of 4 in 1 vaccine in Welsh Local Authority areas in children reaching their 5th birthday between 01/04/14 and 30/06/14.

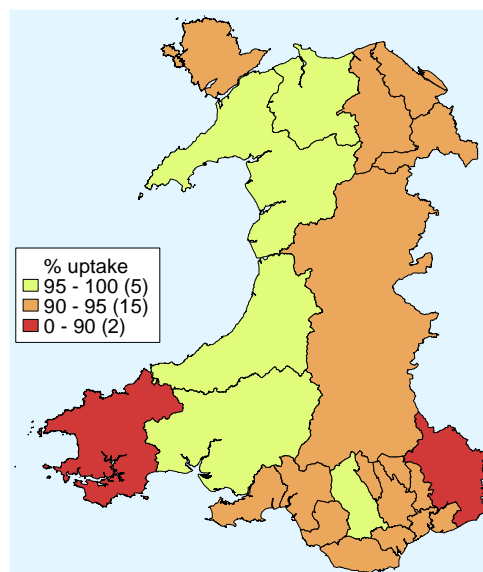


Table 2. Summary table with uptake of selected immunisations in resident children reaching their 1st, 2nd, 4th, 5th and 16th birthday between 01/04/14 and 30/06/14 and resident on 30/06/14.

Area	Age 1 year				Age 2 years				Age 4 years		Age 5 years			Age 16 years			
	Resident children (n)	5 in 1 ¹ (n) (%)	MenC ² (n) (%)	Rotavirus ³ (n) (%)	Resident children (n)	MMR1 (n) (%)	PCVf ⁴ (n) (%)	Hib/MenC booster (n) (%)	Resident children (n)	Up to date in schedule ⁵ (%)	Resident children (n)	MMR2 (n) (%)	4 in 1 ¹ (n) (%)	Resident children (n)	MMR1 (n) (%)	MMR2 (n) (%)	3 in 1 Teenage booster ⁶ (n) (%)
Abertawe Bro Morgannwg UHB																	
Bridgend LA	354	344 97.2	346 97.7	240 67.8	391	382 97.7	377 96.4	374 95.7	283	79.5	379	362 95.5	359 94.7	381	369 96.9	353 92.7	318 83.5
Neath Port Talbot LA	334	326 97.6	331 99.1	204 61.1	375	363 96.8	356 94.9	352 93.9	338	88.5	410	386 94.1	383 93.4	393	379 96.4	364 92.6	328 83.5
Swansea LA	636	618 97.2	621 97.6	400 62.9	638	624 97.8	615 96.4	608 95.3	535	86.7	635	587 92.4	593 93.4	619	594 96.0	545 88.0	527 85.1
Health Board Total	1324	1288 97.3	1298 98.0	844 63.7	1404	1369 97.5	1348 96.0	1334 95.0	1156	85.3	1424	1335 93.8	1335 93.8	1393	1342 96.3	1262 90.6	1173 84.2
Aneurin Bevan UHB																	
Blaenau Gwent LA	194	190 97.9	193 99.5	106 54.6	174	171 98.3	170 97.7	170 97.7	168	83.6	193	179 92.7	180 93.3	202	197 97.5	187 92.6	166 82.2
Caerphilly LA	455	440 96.7	450 98.9	278 61.1	489	474 96.9	472 96.5	469 95.9	439	81.9	566	524 92.6	532 94.0	562	544 96.8	517 92.0	463 82.4
Monmouthshire LA	202	195 96.5	195 96.5	120 59.4	209	196 93.8	197 94.3	197 94.3	182	84.7	226	200 88.5	199 88.1	260	234 90.0	212 81.5	204 78.5
Newport LA	499	476 95.4	483 96.8	280 56.1	468	445 95.1	449 95.9	443 94.7	389	81.2	460	417 90.7	417 90.7	469	446 95.1	415 88.5	359 76.5
Torfaen LA	238	233 97.9	232 97.5	124 52.1	281	271 96.4	272 96.8	271 96.4	248	84.6	287	267 93.0	262 91.3	285	276 96.8	264 92.6	235 82.5
Health Board Total	1588	1534 96.6	1553 97.8	908 57.2	1621	1557 96.1	1560 96.2	1550 95.6	1426	82.7	1732	1587 91.6	1590 91.8	1778	1697 95.4	1595 89.7	1427 80.3
Betsi Cadwaladr University UHB																	
Anglesey LA	189	186 98.4	185 97.9	103 54.5	198	195 98.5	195 98.5	194 98.0	168	90.3	202	188 93.1	191 94.6	189	183 96.8	178 94.2	171 90.5
Conwy LA	254	246 96.9	251 98.8	161 63.4	291	281 96.6	279 95.9	276 94.8	239	88.2	249	239 96.0	238 95.6	307	291 94.8	279 90.9	272 88.6
Denbighshire LA	259	247 95.4	248 95.8	138 53.3	255	243 95.3	243 95.3	242 94.9	244	91.4	255	238 93.3	240 94.1	282	270 95.7	254 90.1	245 86.9
Flintshire LA	394	390 99.0	389 98.7	233 59.1	400	388 97.0	388 97.0	384 96.0	412	90.2	431	401 93.0	405 94.0	430	416 96.7	399 92.8	374 87.0
Gwynedd LA	272	259 95.2	261 96.0	159 58.5	333	311 93.4	313 94.0	312 93.7	285	89.1	293	275 93.9	280 95.6	320	303 94.7	296 92.5	282 88.1
Wrexham LA	397	382 96.2	388 97.7	223 56.2	413	403 97.6	403 97.6	399 96.6	348	92.3	387	360 93.0	362 93.5	383	370 96.6	358 93.5	318 83.0
Health Board Total	1765	1710 96.9	1722 97.6	1017 57.6	1890	1821 96.3	1821 96.3	1807 95.6	1696	90.3	1817	1701 93.6	1716 94.4	1911	1833 95.9	1764 92.3	1662 87.0
Cardiff and Vale University UHB																	
Cardiff LA	1097	1012 92.3	1029 93.8	601 54.8	1155	1098 95.1	1100 95.2	1085 93.9	902	81.5	1101	1015 92.2	1030 93.6	963	903 93.8	831 86.3	737 76.5
Vale of Glamorgan LA	325	311 95.7	315 96.9	198 60.9	370	357 96.5	358 96.8	356 96.2	328	88.2	370	345 93.2	351 94.9	366	351 95.9	337 92.1	308 84.2
Health Board Total	1422	1323 93.0	1344 94.5	799 56.2	1525	1455 95.4	1458 95.6	1441 94.5	1230	83.2	1471	1360 92.5	1381 93.9	1329	1254 94.4	1168 87.9	1045 78.6
Cwm Taf UHB																	
Merthyr Tydfil LA	165	163 98.8	164 99.4	102 61.8	173	166 96.0	168 97.1	167 96.5	143	87.7	178	165 92.7	167 93.8	159	154 96.9	145 91.2	139 87.4
Rhondda Cynon Taff LA	648	633 97.7	635 98.0	446 68.8	648	624 96.3	626 96.6	621 95.8	593	91.1	690	654 94.8	661 95.8	639	619 96.9	586 91.7	561 87.8
Health Board Total	813	796 97.9	799 98.3	548 67.4	821	790 96.2	794 96.7	788 96.0	736	90.4	868	819 94.4	828 95.4	798	773 96.9	731 91.6	700 87.7
Hywel Dda UHB																	
Cardiff LA	452	440 97.3	445 98.5	287 63.5	458	442 96.5	437 95.4	437 95.4	395	84.2	469	440 93.8	446 95.1	471	433 91.9	408 86.6	392 83.2
Ceredigion LA	141	133 94.3	134 95.0	70 49.6	192	187 97.4	188 97.9	187 97.4	153	90.5	158	150 94.9	152 96.2	166	158 95.2	153 92.2	139 83.7
Pembrokeshire LA	276	258 93.5	264 95.7	157 56.9	316	302 95.6	304 96.2	299 94.6	265	85.2	331	297 89.7	293 88.5	353	321 90.9	301 85.3	264 74.8
Health Board Total	869	831 95.6	843 97.0	514 59.1	966	931 96.4	929 96.2	923 95.5	813	85.7	958	887 92.6	891 93.0	990	912 92.1	862 87.1	795 80.3
Powys Teaching UHB																	
Unknown	291	281 96.6	283 97.3	168 57.7	283	273 96.5	270 95.4	271 95.8	254	86.1	329	289 87.8	300 91.2	351	330 94.0	301 85.8	261 74.4
Wales Total	8097	7787 96.2	7866 97.1	4810 59.4	8530	8216 96.3	8200 96.1	8134 95.4	7333	86.1	8627	8004 92.8	8067 93.5	8596	8176 95.1	7711 89.7	7091 82.5

¹ Uptake of pertussis used as proxy

² MenC uptake for children reaching one year of age this quarter is based on a completed one dose primary course of MenC vaccination. This is due to the MenC programme change in June 2013 from a two dose MenC primary course given at 3 months and 4 months of age to a one dose primary course at 3 months of age.

³ Reflects uptake of the completed two dose primary course

⁴ Children receiving the final dose of PCV

⁵ Completed 4 in 1 preschool booster, the Hib/ MenC booster and second MMR dose by four years of age

⁶ Uptake of diphtheria (reinforcing booster dose) used as proxy

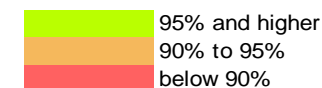


Table 3. Vaccine uptake in children reaching their 1st birthday between 01/04/14 and 30/06/14 and resident on 30/06/14.

Area	Resident children	D3	T3	P3	Po3	Hib3	MMR1 ¹	MenC ²	Rotavirus	PCV2 ³	HibMenCb
	(n)	(n) (%)	(n) (%)	(n) (%)	(n) (%)	(n) (%)	(n) (%)	(n) (%)	(n) (%)	(n) (%)	(n) (%)
<u>Abertawe Bro Morgannwg University HB</u>											
Bridgend LA	354	344 97.2	344 97.2	344 97.2	343 96.9	343 96.9	2 0.6	346 97.7	240 67.8	340 96.0	3 0.8
Neath Port Talbot LA	334	326 97.6	326 97.6	326 97.6	326 97.6	326 97.6	2 0.6	331 99.1	204 61.1	325 97.3	0 0.0
Swansea LA	636	618 97.2	618 97.2	618 97.2	617 97.0	617 97.0	4 0.6	621 97.6	400 62.9	613 96.4	3 0.5
Health Board Total	1324	1288 97.3	1288 97.3	1288 97.3	1286 97.1	1286 97.1	8 0.6	1298 98.0	844 63.7	1278 96.5	6 0.5
<u>Aneurin Bevan University HB</u>											
Blaenau Gwent LA	194	190 97.9	190 97.9	190 97.9	190 97.9	190 97.9	0 0.0	193 99.5	106 54.6	191 98.5	0 0.0
Caerphilly LA	455	440 96.7	440 96.7	440 96.7	440 96.7	440 96.7	2 0.4	450 98.9	278 61.1	440 96.7	2 0.4
Monmouthshire LA	202	195 96.5	195 96.5	195 96.5	195 96.5	195 96.5	1 0.5	195 96.5	120 59.4	193 95.5	1 0.5
Newport LA	499	476 95.4	476 95.4	476 95.4	476 95.4	476 95.4	0 0.0	483 96.8	280 56.1	473 94.8	0 0.0
Torfaen LA	238	233 97.9	233 97.9	233 97.9	233 97.9	233 97.9	1 0.4	232 97.5	124 52.1	231 97.1	0 0.0
Health Board Total	1588	1534 96.6	1534 96.6	1534 96.6	1534 96.6	1534 96.6	4 0.3	1553 97.8	908 57.2	1528 96.2	3 0.2
<u>Betsi Cadwaladr University HB</u>											
Anglesey LA	189	186 98.4	186 98.4	186 98.4	186 98.4	186 98.4	1 0.5	185 97.9	103 54.5	185 97.9	1 0.5
Conwy LA	254	246 96.9	246 96.9	246 96.9	246 96.9	246 96.9	2 0.8	251 98.8	161 63.4	247 97.2	2 0.8
Denbighshire LA	259	247 95.4	247 95.4	247 95.4	247 95.4	247 95.4	4 1.5	248 95.8	138 53.3	244 94.2	3 1.2
Flintshire LA	394	390 99.0	390 99.0	390 99.0	390 99.0	390 99.0	0 0.0	389 98.7	233 59.1	389 98.7	0 0.0
Gwynedd LA	272	259 95.2	259 95.2	259 95.2	259 95.2	259 95.2	2 0.7	261 96.0	159 58.5	259 95.2	2 0.7
Wrexham LA	397	382 96.2	382 96.2	382 96.2	382 96.2	382 96.2	0 0.0	388 97.7	223 56.2	384 96.7	0 0.0
Health Board Total	1765	1710 96.9	1710 96.9	1710 96.9	1710 96.9	1710 96.9	9 0.5	1722 97.6	1017 57.6	1708 96.8	8 0.5
<u>Cardiff and Vale University HB</u>											
Cardiff LA	1097	1012 92.3	1012 92.3	1012 92.3	1012 92.3	1012 92.3	5 0.5	1029 93.8	601 54.8	1001 91.2	4 0.4
Vale of Glamorgan LA	325	311 95.7	311 95.7	311 95.7	311 95.7	311 95.7	2 0.6	315 96.9	198 60.9	307 94.5	1 0.3
Health Board Total	1422	1323 93.0	1323 93.0	1323 93.0	1323 93.0	1323 93.0	7 0.5	1344 94.5	799 56.2	1308 92.0	5 0.4
<u>Cwm Taf University HB</u>											
Merthyr Tydfil LA	165	163 98.8	163 98.8	163 98.8	163 98.8	163 98.8	0 0.0	164 99.4	102 61.8	162 98.2	0 0.0
Rhondda Cynon Taff LA	648	633 97.7	633 97.7	633 97.7	633 97.7	633 97.7	1 0.2	635 98.0	446 68.8	633 97.7	1 0.2
Health Board Total	813	796 97.9	796 97.9	796 97.9	796 97.9	796 97.9	1 0.1	799 98.3	548 67.4	795 97.8	1 0.1
<u>Hywel Dda University HB</u>											
Cardemarthenshire LA	452	440 97.3	440 97.3	440 97.3	440 97.3	440 97.3	4 0.9	445 98.5	287 63.5	436 96.5	3 0.7
Ceredigion LA	141	133 94.3	133 94.3	133 94.3	133 94.3	133 94.3	0 0.0	134 95.0	70 49.6	133 94.3	0 0.0
Pembrokeshire LA	276	258 93.5	258 93.5	258 93.5	258 93.5	258 93.5	1 0.4	264 95.7	157 56.9	257 93.1	1 0.4
Health Board Total	869	831 95.6	831 95.6	831 95.6	831 95.6	831 95.6	5 0.6	843 97.0	514 59.1	826 95.1	4 0.5
<u>Powys Teaching HB</u>	291	281 96.6	281 96.6	281 96.6	281 96.6	281 96.6	0 0.0	283 97.3	168 57.7	281 96.6	0 0.0
Unknown	25	24 96.0	24 96.0	24 96.0	24 96.0	24 96.0	0 0.0	24 96.0	12 48.0	24 96.0	0 0.0
Wales Total	8097	7787 96.2	7787 96.2	7787 96.2	7785 96.1	7785 96.1	34 0.4	7866 97.1	4810 59.4	7748 95.7	27 0.3

¹ Includes infants that were given early doses of MMR before their first birthday during the November 2012 – July 2013 measles outbreak in Wales.

² MenC uptake for children reaching one year of age is based on a completed one dose primary course of MenC vaccination. This is due to the MenC programme change in June 2013 from a two dose MenC primary course given at 3 months and 4 months of age to a one dose primary course at 3 months of age.

³ Full primary 2 dose course of pneumococcal conjugate vaccine.

Table 4. Vaccine uptake in children reaching their 2nd birthday between 01/04/14 and 30/06/14 and resident on 30/06/14.

Area	Resident children	D3		T3		P3		Po3		Hib3		MMR1		MenC ¹		PCV2 ²		PCVf ³		HibMenCb	
	(n)	(n)	(%)	(n)	(%)	(n)	(%)	(n)	(%)	(n)	(%)	(n)	(%)	(n)	(%)	(n)	(%)	(n)	(%)	(n)	(%)
Abertawe Bro Morgannwg University HB																					
Bridgend LA	391	385	98.5	385	98.5	385	98.5	385	98.5	385	98.5	382	97.7	382	97.7	379	96.9	377	96.4	374	95.7
Neath Port Talbot LA	375	370	98.7	370	98.7	370	98.7	370	98.7	370	98.7	363	96.8	367	97.9	364	97.1	356	94.9	352	93.9
Swansea LA	638	628	98.4	628	98.4	628	98.4	627	98.3	627	98.3	624	97.8	609	95.5	612	95.9	615	96.4	608	95.3
Health Board Total	1404	1383	98.5	1383	98.5	1383	98.5	1382	98.4	1382	98.4	1369	97.5	1358	96.7	1355	96.5	1348	96.0	1334	95.0
Aneurin Bevan University HB																					
Blaenau Gwent LA	174	173	99.4	173	99.4	173	99.4	173	99.4	173	99.4	171	98.3	172	98.9	171	98.3	170	97.7	170	97.7
Caerphilly LA	489	475	97.1	475	97.1	475	97.1	475	97.1	475	97.1	474	96.9	471	96.3	469	95.9	472	96.5	469	95.9
Monmouthshire LA	209	204	97.6	204	97.6	204	97.6	204	97.6	204	97.6	196	93.8	204	97.6	201	96.2	197	94.3	197	94.3
Newport LA	468	454	97.0	454	97.0	454	97.0	455	97.2	455	97.2	445	95.1	442	94.4	444	94.9	449	95.9	443	94.7
Torfaen LA	281	279	99.3	279	99.3	279	99.3	279	99.3	279	99.3	271	96.4	278	98.9	273	97.2	272	96.8	271	96.4
Health Board Total	1621	1585	97.8	1585	97.8	1585	97.8	1586	97.8	1586	97.8	1557	96.1	1567	96.7	1558	96.1	1560	96.2	1550	95.6
Betsi Cadwaladr University HB																					
Anglesey LA	198	197	99.5	197	99.5	197	99.5	197	99.5	196	99.0	195	98.5	196	99.0	195	98.5	195	98.5	194	98.0
Conwy LA	291	289	99.3	289	99.3	289	99.3	289	99.3	289	99.3	281	96.6	280	96.2	280	96.2	279	95.9	276	94.8
Denbighshire LA	255	249	97.6	249	97.6	249	97.6	249	97.6	249	97.6	243	95.3	246	96.5	242	94.9	243	95.3	242	94.9
Flintshire LA	400	393	98.3	393	98.3	393	98.3	392	98.0	392	98.0	388	97.0	388	97.0	387	96.8	388	97.0	384	96.0
Gwynedd LA	333	326	97.9	326	97.9	326	97.9	326	97.9	326	97.9	311	93.4	317	95.2	323	97.0	313	94.0	312	93.7
Wrexham LA	413	411	99.5	411	99.5	411	99.5	411	99.5	411	99.5	403	97.6	408	98.8	406	98.3	403	97.6	399	96.6
Health Board Total	1890	1865	98.7	1865	98.7	1865	98.7	1864	98.6	1863	98.6	1821	96.3	1835	97.1	1833	97.0	1821	96.3	1807	95.6
Cardiff and Vale University HB																					
Cardiff LA	1155	1125	97.4	1125	97.4	1125	97.4	1125	97.4	1123	97.2	1098	95.1	1099	95.2	1085	93.9	1100	95.2	1085	93.9
Vale of Glamorgan LA	370	359	97.0	359	97.0	359	97.0	359	97.0	359	97.0	357	96.5	355	95.9	352	95.1	358	96.8	356	96.2
Health Board Total	1525	1484	97.3	1484	97.3	1484	97.3	1484	97.3	1482	97.2	1455	95.4	1454	95.3	1437	94.2	1458	95.6	1441	94.5
Cwm Taf University HB																					
Merthyr Tydfil LA	173	170	98.3	170	98.3	170	98.3	170	98.3	170	98.3	166	96.0	169	97.7	168	97.1	168	97.1	167	96.5
Rhondda Cynon Taff LA	648	639	98.6	639	98.6	639	98.6	639	98.6	639	98.6	624	96.3	633	97.7	634	97.8	626	96.6	621	95.8
Health Board Total	821	809	98.5	809	98.5	809	98.5	809	98.5	809	98.5	790	96.2	802	97.7	802	97.7	794	96.7	788	96.0
Hywel Dda University HB																					
Cardiff LA	458	448	97.8	448	97.8	448	97.8	448	97.8	448	97.8	442	96.5	446	97.4	444	96.9	437	95.4	437	95.4
Ceredigion LA	192	188	97.9	188	97.9	188	97.9	188	97.9	188	97.9	187	97.4	186	96.9	188	97.9	188	97.9	187	97.4
Pembrokeshire LA	316	311	98.4	311	98.4	311	98.4	311	98.4	310	98.1	302	95.6	300	94.9	301	95.3	304	96.2	299	94.6
Health Board Total	966	947	98.0	947	98.0	947	98.0	947	98.0	946	97.9	931	96.4	932	96.5	933	96.6	929	96.2	923	95.5
Powys Teaching HB	283	274	96.8	274	96.8	274	96.8	274	96.8	274	96.8	273	96.5	272	96.1	271	95.8	270	95.4	271	95.8
Unknown	20	20	100.0	20	100.0	20	100.0	20	100.0	20	100.0	20	100.0	19	95.0	19	95.0	20	100.0	20	100.0
Wales Total	8530	8367	98.1	8367	98.1	8367	98.1	8366	98.1	8362	98.0	8216	96.3	8239	96.6	8208	96.2	8200	96.1	8134	95.4

¹ Reflects uptake of the completed two dose primary course in this age group (before June 2013 changes)

² Full primary 2 dose course of pneumococcal conjugate vaccine

³ Final (booster) dose of pneumococcal conjugate vaccine

Table 5. Vaccine uptake in children reaching their 4th birthday between 01/04/14 and 30/06/14 and resident on 30/06/14.

Area	Resident children	4 in 1 Preschool Booster ¹		HibMenCb		MMR dose 2		Up to date in schedule ²	
	(n)	(n)	(%)	(n)	(%)	(n)	(%)	(n)	(%)
<u>Abertawe Bro Morgannwg University HB</u>									
Bridgend LA	356	291	81.7	335	94.1	317	89.0	283	79.5
Neath Port Talbot LA	382	344	90.1	371	97.1	367	96.1	338	88.5
Swansea LA	617	548	88.8	594	96.3	574	93.0	535	86.7
Health Board Total	1355	1183	87.3	1300	95.9	1258	92.8	1156	85.3
<u>Aneurin Bevan University HB</u>									
Blaenau Gwent LA	201	171	85.1	190	94.5	175	87.1	168	83.6
Caerphilly LA	536	446	83.2	515	96.1	474	88.4	439	81.9
Monmouthshire LA	215	188	87.4	204	94.9	186	86.5	182	84.7
Newport LA	479	404	84.3	438	91.4	420	87.7	389	81.2
Torfaen LA	293	253	86.3	284	96.9	262	89.4	248	84.6
Health Board Total	1724	1462	84.8	1631	94.6	1517	88.0	1426	82.7
<u>Betsi Cadwaladr University HB</u>									
Anglesey LA	186	172	92.5	180	96.8	168	90.3	168	90.3
Conwy LA	271	242	89.3	266	98.2	241	88.9	239	88.2
Denbighshire LA	267	247	92.5	257	96.3	246	92.1	244	91.4
Flintshire LA	457	422	92.3	446	97.6	415	90.8	412	90.2
Gwynedd LA	320	295	92.2	307	95.9	291	90.9	285	89.1
Wrexham LA	377	354	93.9	368	97.6	353	93.6	348	92.3
Health Board Total	1878	1732	92.2	1824	97.1	1714	91.3	1696	90.3
<u>Cardiff and Vale University HB</u>									
Cardiff LA	1107	946	85.5	1013	91.5	952	86.0	902	81.5
Vale of Glamorgan LA	372	334	89.8	355	95.4	340	91.4	328	88.2
Health Board Total	1479	1280	86.5	1368	92.5	1292	87.4	1230	83.2
<u>Cwm Taf University HB</u>									
Merthyr Tydfil LA	163	148	90.8	154	94.5	148	90.8	143	87.7
Rhondda Cynon Taff LA	651	605	92.9	633	97.2	600	92.2	593	91.1
Health Board Total	814	753	92.5	787	96.7	748	91.9	736	90.4
<u>Hywel Dda University HB</u>									
Carmarthenshire LA	469	409	87.2	443	94.5	429	91.5	395	84.2
Ceredigion LA	169	157	92.9	161	95.3	155	91.7	153	90.5
Pembrokeshire LA	311	272	87.5	292	93.9	270	86.8	265	85.2
Health Board Total	949	838	88.3	896	94.4	854	90.0	813	85.7
<u>Powys Teaching HB</u>	295	262	88.8	277	93.9	261	88.5	254	86.1
Unknown	24	22	91.7	23	95.8	23	95.8	22	91.7
Wales Total	8518	7532	88.4	8106	95.2	7667	90.0	7333	86.1

¹ Uptake of acellular pertussis used as proxy

² Completed 4 in 1 preschool booster, the Hib/ MenC booster and second MMR dose by four years of age. The calculation method for proportions of children up to date with routine immunisation by four years of age was revised during 2014 quarter 1, to remove the pneumococcal conjugate vaccine booster dose, as this is not clinically indicated after two years of age.

Table 6. Vaccine uptake in children reaching their 5th birthday between 01/04/14 and 30/06/14 and resident on 30/06/14.

Area	Resident children	D3	T3	P3	Po3	Hib3	MenC ¹	PCVf ²	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	379	375 98.9	375 98.9	375 98.9	375 98.9	375 98.9	369 97.4	356 93.9	362 95.5	374 98.7	362 95.5	359 94.7	359 94.7	359 94.7	359 94.7
Neath Port Talbot LA	410	402 98.0	402 98.0	402 98.0	402 98.0	402 98.0	381 92.9	376 91.7	389 94.9	399 97.3	386 94.1	383 93.4	383 93.4	383 93.4	383 93.4
Swansea LA	635	612 96.4	612 96.4	612 96.4	612 96.4	611 96.2	589 92.8	584 92.0	598 94.2	606 95.4	587 92.4	593 93.4	593 93.4	593 93.4	593 93.4
Health Board Total	1424	1389 97.5	1389 97.5	1389 97.5	1389 97.5	1389 97.5	1339 94.0	1316 92.4	1349 94.7	1379 96.8	1335 93.8	1335 93.8	1335 93.8	1335 93.8	1335 93.8
Aneurin Bevan University HB															
Blaenau Gwent LA	193	191 99.0	191 99.0	191 99.0	190 98.4	190 98.4	188 97.4	181 93.8	186 96.4	187 96.9	179 92.7	180 93.3	180 93.3	180 93.3	180 93.3
Caerphilly LA	566	556 98.2	556 98.2	556 98.2	556 98.2	556 98.2	549 97.0	528 93.3	538 95.1	552 97.5	524 92.6	532 94.0	532 94.0	532 94.0	532 94.0
Monmouthshire LA	226	211 93.4	211 93.4	211 93.4	211 93.4	211 93.4	206 91.2	208 92.0	210 92.9	211 93.4	200 88.5	199 88.1	199 88.1	199 88.1	199 88.1
Newport LA	460	441 95.9	441 95.9	441 95.9	438 95.2	439 95.4	419 91.1	411 89.3	425 92.4	448 97.4	417 90.7	417 90.7	417 90.7	417 90.7	415 90.2
Torfaen LA	287	284 99.0	284 99.0	284 99.0	284 99.0	284 99.0	279 97.2	267 93.0	277 96.5	280 97.6	267 93.0	262 91.3	262 91.3	262 91.3	262 91.3
Health Board Total	1732	1683 97.2	1683 97.2	1683 97.2	1679 96.9	1680 97.0	1641 94.7	1595 92.1	1636 94.5	1678 96.9	1587 91.6	1590 91.8	1590 91.8	1590 91.8	1588 91.7
Betsi Cadwaladr University HB															
Anglesey LA	202	197 97.5	197 97.5	197 97.5	197 97.5	194 96.0	185 91.6	187 92.6	193 95.5	199 98.5	188 93.1	191 94.6	191 94.6	191 94.6	190 94.1
Conwy LA	249	241 96.8	241 96.8	241 96.8	240 96.4	240 96.4	240 96.4	234 94.0	238 95.6	242 97.2	239 96.0	238 95.6	238 95.6	238 95.6	238 95.6
Denbighshire LA	255	247 96.9	247 96.9	247 96.9	247 96.9	247 96.9	243 95.3	238 93.3	245 96.1	248 97.3	238 93.3	240 94.1	240 94.1	240 94.1	240 94.1
Flintshire LA	431	421 97.7	420 97.4	421 97.7	418 97.0	420 97.4	409 94.9	402 93.3	408 94.7	418 97.0	401 93.0	405 94.0	405 94.0	405 94.0	405 94.0
Gwynedd LA	293	285 97.3	285 97.3	285 97.3	285 97.3	284 96.9	279 95.2	273 93.2	280 95.6	281 95.9	275 93.9	280 95.6	280 95.6	280 95.6	280 95.6
Wrexham LA	387	380 98.2	380 98.2	380 98.2	380 98.2	380 98.2	363 93.8	364 94.1	368 95.1	376 97.2	360 93.0	362 93.5	362 93.5	362 93.5	363 93.8
Health Board Total	1817	1771 97.5	1770 97.4	1771 97.5	1767 97.2	1765 97.1	1719 94.6	1698 93.5	1732 95.3	1764 97.1	1701 93.6	1716 94.4	1716 94.4	1716 94.4	1716 94.4
Cardiff and Vale University HB															
Cardiff LA	1101	1069 97.1	1069 97.1	1069 97.1	1068 97.0	1064 96.6	1005 91.3	1006 91.4	1009 91.6	1069 97.1	1015 92.2	1030 93.6	1030 93.6	1030 93.6	1031 93.6
Vale of Glamorgan LA	370	361 97.6	361 97.6	361 97.6	361 97.6	361 97.6	355 95.9	348 94.1	347 93.8	357 96.5	345 93.2	351 94.9	351 94.9	351 94.9	351 94.9
Health Board Total	1471	1430 97.2	1430 97.2	1430 97.2	1429 97.1	1425 96.9	1360 92.5	1354 92.0	1356 92.2	1426 96.9	1360 92.5	1381 93.9	1381 93.9	1381 93.9	1382 93.9
Cwm Taf University HB															
Merthyr Tydfil LA	178	175 98.3	175 98.3	175 98.3	174 97.8	175 98.3	173 97.2	168 94.4	171 96.1	173 97.2	165 92.7	167 93.8	167 93.8	167 93.8	167 93.8
Rhondda Cynon Taff LA	690	680 98.6	680 98.6	680 98.6	680 98.6	680 98.6	670 97.1	655 94.9	665 96.4	672 97.4	654 94.8	661 95.8	661 95.8	661 95.8	661 95.8
Health Board Total	868	855 98.5	855 98.5	855 98.5	854 98.4	855 98.5	843 97.1	823 94.8	836 96.3	845 97.4	819 94.4	828 95.4	828 95.4	828 95.4	828 95.4
Hywel Dda University HB															
Carmarthenshire LA	469	456 97.2	456 97.2	456 97.2	455 97.0	456 97.2	446 95.1	433 92.3	443 94.5	453 96.6	440 93.8	446 95.1	446 95.1	446 95.1	446 95.1
Ceredigion LA	158	155 98.1	155 98.1	155 98.1	155 98.1	155 98.1	153 96.8	151 95.6	153 96.8	151 95.6	150 94.9	152 96.2	152 96.2	152 96.2	152 96.2
Pembrokeshire LA	331	312 94.3	312 94.3	312 94.3	312 94.3	311 94.0	303 91.5	289 87.3	305 92.1	313 94.6	297 89.7	293 88.5	293 88.5	293 88.5	293 88.5
Health Board Total	958	923 96.3	923 96.3	923 96.3	922 96.2	922 96.2	902 94.2	873 91.1	901 94.1	917 95.7	887 92.6	891 93.0	891 93.0	891 93.0	891 93.0
Powys Teaching HB	329	312 94.8	312 94.8	312 94.8	310 94.2	308 93.6	295 89.7	295 89.7	299 90.9	313 95.1	289 87.8	300 91.2	300 91.2	300 91.2	301 91.5
Unknown	28	27 96.4	27 96.4	27 96.4	27 96.4	27 96.4	25 89.3	24 85.7	26 92.9	26 92.9	26 92.9	26 92.9	26 92.9	26 92.9	26 92.9
Wales Total	8627	8390 97.3	8389 97.2	8390 97.3	8377 97.1	8370 97.0	8124 94.2	7978 92.5	8135 94.3	8348 96.8	8004 92.8	8067 93.5	8067 93.5	8067 93.5	8067 93.5

¹ Completed three dose course, or two doses with the second delivered after 115 days of age

² 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 30/06/14.

Area	13 years (2013-14 School Year 8) ¹							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) (%)						
<u>Abertawe Bro Morgannwg University HB</u>														
Bridgend LA	815	746 91.5	727 89.2	638 78.3	724	684 94.5	679 93.8	667 92.1						
Neath Port Talbot LA	668	620 92.8	595 89.1	476 71.3	649	609 93.8	603 92.9	593 91.4						
Swansea LA	1237	1140 92.2	1110 89.7	962 77.8	1206	1107 91.8	1098 91.0	1067 88.5						
Health Board Total	2720	2506 92.1	2432 89.4	2076 76.3	2579	2400 93.1	2380 92.3	2327 90.2						
<u>Aneurin Bevan University HB</u>														
Blaenau Gwent LA	343	332 96.8	320 93.3	252 73.5	367	342 93.2	337 91.8	328 89.4						
Caerphilly LA	910	845 92.9	827 90.9	696 76.5	913	827 90.6	823 90.1	809 88.6						
Monmouthshire LA	471	364 77.3	354 75.2	289 61.4	531	421 79.3	413 77.8	406 76.5						
Newport LA	835	707 84.7	680 81.4	545 65.3	865	770 89.0	759 87.7	736 85.1						
Torfaen LA	510	475 93.1	460 90.2	376 73.7	475	425 89.5	421 88.6	405 85.3						
Health Board Total	3069	2723 88.7	2641 86.1	2158 70.3	3151	2785 88.4	2753 87.4	2684 85.2						
<u>Betsi Cadwaladr University HB</u>														
Anglesey LA	353	316 89.5	311 88.1	282 79.9	347	311 89.6	307 88.5	300 86.5						
Conwy LA	600	545 90.8	539 89.8	492 82.0	602	537 89.2	537 89.2	530 88.0						
Denbighshire LA	519	457 88.1	457 88.1	426 82.1	492	439 89.2	435 88.4	426 86.6						
Flintshire LA	796	732 92.0	727 91.3	675 84.8	802	732 91.3	723 90.1	706 88.0						
Gwynedd LA	597	534 89.4	530 88.8	511 85.6	613	541 88.3	538 87.8	537 87.6						
Wrexham LA	684	626 91.5	617 90.2	586 85.7	713	619 86.8	615 86.3	608 85.3						
Health Board Total	3549	3210 90.4	3181 89.6	2972 83.7	3569	3179 89.1	3155 88.4	3107 87.1						
<u>Cardiff and Vale University HB</u>														
Cardiff LA	1734	1466 84.5	1408 81.2	1116 64.4	1755	1552 88.4	1533 87.4	1420 80.9						
Vale of Glamorgan LA	645	569 88.2	553 85.7	456 70.7	686	637 92.9	636 92.7	601 87.6						
Health Board Total	2379	2035 85.5	1961 82.4	1572 66.1	2441	2189 89.7	2169 88.9	2021 82.8						
<u>Cwm Taf University HB</u>														
Merthyr Tydfil LA	279	260 93.2	257 92.1	246 88.2	312	285 91.3	283 90.7	284 91.0						
Rhondda Cynon Taff LA	1155	1090 94.4	1077 93.2	1007 87.2	1180	1120 94.9	1113 94.3	1098 93.1						
Health Board Total	1434	1350 94.1	1334 93.0	1253 87.4	1492	1405 94.2	1396 93.6	1382 92.6						
<u>Hywel Dda University HB</u>														
Carmarthenshire LA	886	823 92.9	812 91.6	774 87.4	857	769 89.7	765 89.3	756 88.2						
Ceredigion LA	280	249 88.9	247 88.2	243 86.8	309	261 84.5	258 83.5	256 82.8						
Pembrokeshire LA	544	469 86.2	463 85.1	444 81.6	614	539 87.8	535 87.1	523 85.2						
Health Board Total	1710	1541 90.1	1522 89.0	1461 85.4	1780	1569 88.1	1558 87.5	1535 86.2						
<u>Powys Teaching HB</u>	600	499 83.2	490 81.7	462 77.0	640	529 82.7	517 80.8	504 78.8						
Unknown	84	59 70.2	59 70.2	52 61.9	73	59 80.8	59 80.8	57 78.1						
Wales Total	15545	13923 89.6	13620 87.6	12006 77.2	15725	14115 89.8	13987 88.9	13617 86.6						

¹ 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 01/04/14 and 30/06/14 and resident on 30/06/14 (with breakdown of MMR1 and MMR2 coverage by sex).

Area	Resident children		Teenage 3 in 1 booster ¹					Resident girls		MMR1 (girls)		MMR2 (girls)		Resident boys		MMR1 (boys)		MMR2 (boys)	
	(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)	(%)		
Bridgend LA	391	373	95.4	357	91.3	281	71.9	189	185	97.9	177	93.7	202	188	93.1	180	89.1		
Neath Port Talbot LA	327	322	98.5	296	90.5	279	85.3	164	160	97.6	151	92.1	163	162	99.4	145	89.0		
Swansea LA	649	623	96.0	589	90.8	573	88.3	325	315	96.9	297	91.4	324	308	95.1	292	90.1		
Health Board Total	1367	1318	96.4	1242	90.9	1133	82.9	678	660	97.3	625	92.2	689	658	95.5	617	89.6		
<u>Aneurin Bevan University HB</u>																			
Blaenau Gwent LA	181	178	98.3	169	93.4	145	80.1	82	81	98.8	77	93.9	99	97	98.0	92	92.9		
Caerphilly LA	488	477	97.7	449	92.0	377	77.3	237	234	98.7	218	92.0	251	243	96.8	231	92.0		
Monmouthshire LA	287	263	91.6	244	85.0	214	74.6	140	127	90.7	122	87.1	147	136	92.5	122	83.0		
Newport LA	466	439	94.2	409	87.8	350	75.1	232	225	97.0	212	91.4	234	214	91.5	197	84.2		
Torfaen LA	265	258	97.4	242	91.3	196	74.0	130	128	98.5	117	90.0	134	130	97.0	125	93.3		
Health Board Total	1687	1615	95.7	1513	89.7	1282	76.0	821	795	96.8	746	90.9	865	820	94.8	767	88.7		
<u>Betsi Cadwaladr University HB</u>																			
Anglesey LA	188	177	94.1	170	90.4	158	84.0	91	88	96.7	88	96.7	97	89	91.8	82	84.5		
Conwy LA	316	298	94.3	284	89.9	276	87.3	153	147	96.1	141	92.2	162	150	92.6	143	88.3		
Denbighshire LA	280	269	96.1	246	87.9	234	83.6	118	116	98.3	106	89.8	162	153	94.4	140	86.4		
Flintshire LA	412	397	96.4	372	90.3	346	84.0	191	188	98.4	176	92.1	221	209	94.6	196	88.7		
Gwynedd LA	330	309	93.6	293	88.8	274	83.0	152	141	92.8	133	87.5	178	168	94.4	160	89.9		
Wrexham LA	367	362	98.6	350	95.4	303	82.6	179	176	98.3	172	96.1	188	186	98.9	178	94.7		
Health Board Total	1893	1812	95.7	1715	90.6	1591	84.0	884	856	96.8	816	92.3	1008	955	94.7	899	89.2		
<u>Cardiff and Vale University HB</u>																			
Cardiff LA	942	891	94.6	843	89.5	709	75.3	489	463	94.7	437	89.4	453	428	94.5	406	89.6		
Vale of Glamorgan LA	376	362	96.3	347	92.3	315	83.8	183	175	95.6	170	92.9	192	187	97.4	177	92.2		
Health Board Total	1318	1253	95.1	1190	90.3	1024	77.7	672	638	94.9	607	90.3	645	615	95.3	583	90.4		
<u>Cwm Taf University HB</u>																			
Merthyr Tydfil LA	153	147	96.1	140	91.5	133	86.9	73	69	94.5	66	90.4	80	78	97.5	74	92.5		
Rhondda Cynon Taff LA	629	611	97.1	583	92.7	535	85.1	313	306	97.8	291	93.0	316	305	96.5	292	92.4		
Health Board Total	782	758	96.9	723	92.5	668	85.4	386	375	97.2	357	92.5	396	383	96.7	366	92.4		
<u>Hywel Dda University HB</u>																			
Carmarthenshire LA	490	471	96.1	442	90.2	402	82.0	225	217	96.4	203	90.2	265	254	95.8	239	90.2		
Ceredigion LA	158	147	93.0	140	88.6	140	88.6	69	65	94.2	63	91.3	89	82	92.1	77	86.5		
Pembrokeshire LA	302	275	91.1	257	85.1	218	72.2	157	139	88.5	127	80.9	145	136	93.8	130	89.7		
Health Board Total	950	893	94.0	839	88.3	760	80.0	451	421	93.3	393	87.1	499	472	94.6	446	89.4		
<u>Powys Teaching HB</u>	385	362	94.0	335	87.0	270	70.1	180	170	94.4	154	85.6	205	192	93.7	181	88.3		
Unknown	41	35	85.4	33	80.5	30	73.2	21	19	90.5	17	81.0	20	16	80.0	16	80.0		
Wales Total	8423	8046	95.5	7590	90.1	6758	80.2	4093	3934	96.1	3715	90.8	4327	4111	95.0	3875	89.6		

¹ 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 01/04/14 and 30/06/14 and resident on 30/06/14 (with breakdown of MMR1 and MMR2 coverage by sex).

Area	Resident children		Teenage 3 in 1 booster ¹					Resident girls		MMR1 (girls)		MMR2 (girls)		Resident boys		MMR1 (boys)		MMR2 (boys)	
	(n)	(n) (%)	(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)	(n) (%)	(n)	(%)	
Bridgend LA	381	369 96.9	353	92.7	318	83.5	197	98.0	184	93.4	184	95.7	169	91.8	195	193 99.0	186	95.4	
Neath Port Talbot LA	393	379 96.4	364	92.6	328	83.5	198	93.9	178	89.9	195	99.0	186	95.4	195	193 99.0	186	95.4	
Swansea LA	619	594 96.0	545	88.0	527	85.1	289	95.2	252	87.2	330	96.7	293	88.8	330	319 96.7	293	88.8	
Health Board Total	1393	1342 96.3	1262 90.6	1173 84.2	684	654 95.6	614 89.8	709	688 97.0	648 91.4	709	688 97.0	648 91.4						
<u>Aneurin Bevan University HB</u>																			
Blaenau Gwent LA	202	197 97.5	187	92.6	166	82.2	92	98.9	86	93.5	110	96.4	101	91.8	276	268 97.1	254	92.0	
Caerphilly LA	562	544 96.8	517	92.0	463	82.4	286	96.5	263	92.0	276	97.1	254	92.0	276	268 97.1	254	92.0	
Monmouthshire LA	260	234 90.0	212	81.5	204	78.5	125	90.4	107	85.6	135	89.6	105	77.8	135	121 89.6	105	77.8	
Newport LA	469	446 95.1	415	88.5	359	76.5	232	94.8	203	87.5	237	95.4	212	89.5	237	226 95.4	212	89.5	
Torfaen LA	285	276 96.8	264	92.6	235	82.5	131	96.2	119	90.8	154	97.4	145	94.2	154	150 97.4	145	94.2	
Health Board Total	1778	1697 95.4	1595 89.7	1427 80.3	866	826 95.4	778 89.8	912	871 95.5	817 89.6	912	871 95.5	817 89.6						
<u>Betsi Cadwaladr University HB</u>																			
Anglesey LA	189	183 96.8	178	94.2	171	90.5	84	97.6	78	92.9	105	96.2	100	95.2	162	148 91.4	142	87.7	
Conwy LA	307	291 94.8	279	90.9	272	88.6	145	98.6	137	94.5	162	91.4	142	87.7	162	148 91.4	142	87.7	
Denbighshire LA	282	270 95.7	254	90.1	245	86.9	133	94.0	120	90.2	149	97.3	134	89.9	149	145 97.3	134	89.9	
Flintshire LA	430	416 96.7	399	92.8	374	87.0	205	96.6	192	93.7	225	96.9	207	92.0	225	218 96.9	207	92.0	
Gwynedd LA	320	303 94.7	296	92.5	282	88.1	150	96.7	140	93.3	169	92.9	155	91.7	169	157 92.9	155	91.7	
Wrexham LA	383	370 96.6	358	93.5	318	83.0	172	94.8	159	92.4	211	98.1	199	94.3	211	207 98.1	199	94.3	
Health Board Total	1911	1833 95.9	1764 92.3	1662 87.0	889	856 96.3	826 92.9	1021	976 95.6	937 91.8	1021	976 95.6	937 91.8						
<u>Cardiff and Vale University HB</u>																			
Cardiff LA	963	903 93.8	831	86.3	737	76.5	445	93.3	385	86.5	518	94.2	446	86.1	518	488 94.2	446	86.1	
Vale of Glamorgan LA	366	351 95.9	337	92.1	308	84.2	184	94.6	168	91.3	182	97.3	169	92.9	182	177 97.3	169	92.9	
Health Board Total	1329	1254 94.4	1168 87.9	1045 78.6	629	589 93.6	553 87.9	700	665 95.0	615 87.9	700	665 95.0	615 87.9						
<u>Cwm Taf University HB</u>																			
Merthyr Tydfil LA	159	154 96.9	145	91.2	139	87.4	81	97.5	73	90.1	78	96.2	72	92.3	344	336 97.7	319	92.7	
Rhondda Cynon Taff LA	639	619 96.9	586	91.7	561	87.8	295	95.9	267	90.5	344	97.7	319	92.7	344	336 97.7	319	92.7	
Health Board Total	798	773 96.9	731 91.6	700 87.7	376	362 96.3	340 90.4	422	411 97.4	391 92.7	422	411 97.4	391 92.7						
<u>Hywel Dda University HB</u>																			
Carmarthenshire LA	471	433 91.9	408	86.6	392	83.2	223	93.7	197	88.3	248	90.3	211	85.1	248	224 90.3	211	85.1	
Ceredigion LA	166	158 95.2	153	92.2	139	83.7	89	94.4	81	91.0	77	96.1	72	93.5	77	74 96.1	72	93.5	
Pembrokeshire LA	353	321 90.9	301	85.3	264	74.8	182	92.9	156	85.7	171	88.9	145	84.8	171	152 88.9	145	84.8	
Health Board Total	990	912 92.1	862 87.1	795 80.3	494	462 93.5	434 87.9	496	450 90.7	428 86.3	496	450 90.7	428 86.3						
<u>Powys Teaching HB</u>	351	330 94.0	301 85.8	261 74.4	168	158 94.0	142 84.5	183	172 94.0	159 86.9	183	172 94.0	159 86.9						
Unknown	46	35 76.1	28	60.9	28	60.9	23	73.9	12	52.2	23	78.3	16	69.6	23	18 78.3	16	69.6	
Wales Total	8596	8176 95.1	7711 89.7	7091 82.5	4129	3924 95.0	3699 89.6	4466	4251 95.2	4011 89.8	4466	4251 95.2	4011 89.8						

¹ 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 30/06/14.

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	766	696	90.9	693	90.5	689	89.9	788	728	92.4	724	91.9	714	89.6	838	763	91.1	758	90.5	748	89.3
Neath Port Talbot LA	723	657	90.9	650	89.9	648	89.6	776	733	94.5	727	93.7	717	92.4	797	712	89.3	700	87.8	689	86.4
Swansea LA	1164	1057	90.8	1049	90.1	1035	88.9	1246	1130	90.7	1119	89.8	1102	88.4	1261	1090	86.4	1079	85.6	1061	84.1
Health Board Total	2653	2410	90.8	2392	90.2	2372	89.4	2810	2591	92.2	2570	91.5	2533	90.1	2896	2565	88.6	2537	87.6	2498	86.3
Aneurin Bevan UHB																					
Blaenau Gwent LA	380	360	94.7	360	94.7	354	93.2	400	365	91.3	359	89.8	355	88.8	395	372	94.2	368	93.2	362	91.6
Caerphilly LA	998	919	92.1	913	91.5	908	91.0	1030	936	90.9	922	89.5	902	87.6	1078	959	89.0	950	88.1	931	86.4
Monmouthshire LA	516	404	78.3	401	77.7	395	76.6	505	381	75.4	377	74.7	372	73.7	596	461	77.3	452	75.8	444	74.5
Newport LA	941	804	85.4	794	84.4	779	82.8	992	844	85.1	833	84.0	824	83.1	946	781	82.6	778	82.2	765	80.9
Torfaen LA	542	497	91.7	495	91.3	483	89.1	574	517	90.1	518	90.2	514	89.5	608	550	90.5	549	90.3	543	89.3
Health Board Total	3377	2984	88.4	2963	87.7	2919	86.4	3501	3043	86.9	3009	85.9	2967	84.7	3623	3123	86.2	3097	85.5	3045	84.0
Betsi Cadwaladr UHB																					
Anglesey LA	363	326	89.8	323	89.0	312	86.0	356	332	93.3	330	92.7	328	92.1	399	341	85.5	337	84.5	330	82.7
Conwy LA	601	550	91.5	546	90.8	542	90.2	605	565	93.4	564	93.2	550	90.9	603	538	89.2	533	88.4	523	86.7
Denbighshire LA	549	489	89.1	487	88.7	485	88.3	527	488	92.6	484	91.8	477	90.5	577	507	87.9	504	87.3	495	85.8
Flintshire LA	787	720	91.5	715	90.9	708	90.0	834	764	91.6	760	91.1	749	89.8	890	800	89.9	796	89.4	792	89.0
Gwynedd LA	646	570	88.2	564	87.3	556	86.1	609	543	89.2	539	88.5	535	87.8	670	573	85.5	568	84.8	561	83.7
Wrexham LA	671	606	90.3	606	90.3	603	89.9	715	643	89.9	640	89.5	637	89.1	655	576	87.9	572	87.3	573	87.5
Health Board Total	3617	3261	90.2	3241	89.6	3206	88.6	3646	3335	91.5	3317	91.0	3276	89.9	3794	3335	87.9	3310	87.2	3274	86.3
Cardiff & Vale UHB																					
Cardiff LA	1792	1591	88.8	1559	87.0	1470	82.0	1864	1613	86.5	1587	85.1	1516	81.3	1824	1527	83.7	1482	81.3	1421	77.9
Vale of Glamorgan LA	705	657	93.2	654	92.8	631	89.5	764	681	89.1	669	87.6	634	83.0	877	735	83.8	713	81.3	682	77.8
Health Board Total	2497	2248	90.0	2213	88.6	2101	84.1	2628	2294	87.3	2256	85.8	2150	81.8	2701	2262	83.7	2195	81.3	2103	77.9
Cwm Taf UHB																					
Merthyr Tydfil LA	306	284	92.8	282	92.2	281	91.8	333	300	90.1	299	89.8	296	88.9	376	343	91.2	339	90.2	323	85.9
Rhondda Cynon Taff LA	1240	1177	94.9	1171	94.4	1157	93.3	1285	1211	94.2	1193	92.8	1164	90.6	1316	1218	92.6	1208	91.8	1195	90.8
Health Board Total	1546	1461	94.5	1453	94.0	1438	93.0	1618	1511	93.4	1492	92.2	1460	90.2	1692	1561	92.3	1547	91.4	1518	89.7
Hywel Dda UHB																					
Cardiff LA	922	842	91.3	839	91.0	829	89.9	926	830	89.6	827	89.3	820	88.6	983	829	84.3	817	83.1	812	82.6
Ceredigion LA	308	262	85.1	259	84.1	258	83.8	340	288	84.7	286	84.1	278	81.8	339	270	79.6	268	79.1	265	78.2
Pembrokeshire LA	652	569	87.3	559	85.7	535	82.1	636	549	86.3	546	85.8	535	84.1	657	563	85.7	556	84.6	540	82.2
Health Board Total	1882	1673	88.9	1657	88.0	1622	86.2	1902	1667	87.6	1659	87.2	1633	85.9	1979	1662	84.0	1641	82.9	1617	81.7
Powys Teaching LHB	718	601	83.7	594	82.7	587	81.8	693	585	84.4	580	83.7	570	82.3	741	606	81.8	603	81.4	595	80.3
Unknown	82	57	69.5	57	69.5	57	69.5	95	65	68.4	63	66.3	61	64.2	120	73	60.8	72	60.0	69	57.5
Wales Total	16372	14695	89.8	14570	89.0	14302	87.4	16893	15091	89.3	14946	88.5	14650	86.7	17546	15187	86.6	15002	85.5	14719	83.9

Table 11. Uptake of BCG immunisation in children reaching their 1st, 2nd, 5th and 16th birthdays between 01/04/14 and 30/06/14 and resident on 30/06/14.

Area	1 yr			2 yrs			5 yrs			16 yrs		
	Resident children	BCG Immunised (n)	(%)	Resident children	BCG Immunised (n)	(%)	Resident children	BCG Immunised (n)	(%)	Resident children	BCG Immunised (n)	(%)
<u>Abertawe Bro Morgannwg University HB</u>	(n)	(n)	(%)	(n)	(n)	(%)	(n)	(n)	(%)	(n)	(n)	(%)
Bridgend LA	354	17	4.8	391	25	6.4	379	12	3.2	381	4	1.0
Neath Port Talbot LA	334	13	3.9	375	13	3.5	410	14	3.4	393	2	0.5
Swansea LA	636	69	10.8	638	76	11.9	635	66	10.4	619	22	3.6
Health Board Total	1324	99	7.5	1404	114	8.1	1424	92	6.5	1393	28	2.0
<u>Aneurin Bevan University HB</u>												
Blaenau Gwent LA	194	7	3.6	174	2	1.1	193	7	3.6	202	0	0.0
Caerphilly LA	455	6	1.3	489	17	3.5	566	14	2.5	562	3	0.5
Monmouthshire LA	202	7	3.5	209	8	3.8	226	6	2.7	260	3	1.2
Newport LA	499	74	14.8	468	57	12.2	460	61	13.3	469	21	4.5
Torfaen LA	238	13	5.5	281	4	1.4	287	6	2.1	285	2	0.7
Health Board Total	1588	107	6.7	1621	88	5.4	1732	94	5.4	1778	29	1.6
<u>Betsi Cadwaladr University HB</u>												
Anglesey LA	189	2	1.1	198	2	1.0	202	9	4.5	189	4	2.1
Conwy LA	254	12	4.7	291	9	3.1	249	11	4.4	307	11	3.6
Denbighshire LA	259	12	4.6	255	14	5.5	255	5	2.0	282	13	4.6
Flintshire LA	394	9	2.3	400	8	2.0	431	24	5.6	430	12	2.8
Gwynedd LA	272	9	3.3	333	12	3.6	293	12	4.1	320	6	1.9
Wrexham LA	397	14	3.5	413	14	3.4	387	26	6.7	383	14	3.7
Health Board Total	1765	58	3.3	1890	59	3.1	1817	87	4.8	1911	60	3.1
<u>Cardiff and Vale University HB</u>												
Cardiff LA	1097	83	7.6	1155	259	22.4	1101	257	23.3	963	114	11.8
Vale of Glamorgan LA	325	7	2.2	370	15	4.1	370	16	4.3	366	11	3.0
Health Board Total	1422	90	6.3	1525	274	18.0	1471	273	18.6	1329	125	9.4
<u>Cwm Taf Univeristy HB</u>												
Merthyr Tydfil LA	165	12	7.3	173	10	5.8	178	9	5.1	159	0	0.0
Rhondda Cynon Taff LA	648	23	3.5	648	25	3.9	690	24	3.5	639	10	1.6
Health Board Total	813	35	4.3	821	35	4.3	868	33	3.8	798	10	1.3
<u>Hywel Dda University HB</u>												
Carmarthenshire LA	452	15	3.3	458	18	3.9	469	11	2.3	471	36	7.6
Ceredigion LA	141	10	7.1	192	8	4.2	158	8	5.1	166	1	0.6
Pembrokeshire LA	276	5	1.8	316	11	3.5	331	11	3.3	353	5	1.4
Health Board Total	869	30	3.5	966	37	3.8	958	30	3.1	990	42	4.2
<u>Powys Teaching Health Board</u>	291	10	3.4	283	5	1.8	329	15	4.6	351	4	1.1
Unknown	25	2	8.0	20	1	5.0	28	0	0.0	46	6	13.0
Wales Total	8097	431	5.3	8530	613	7.2	8627	624	7.2	8596	304	3.5

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 born to hepatitis B positive mothers, reaching their 1st, 2nd and 5th birthdays during 01/04/14 and 30/06/14 and resident on 30/06/14.

Area	1yr					2yrs					5yrs						
	Resident children	Babies at risk of perinatal infection	1 dose	2 doses	3 doses	Resident children	Babies at risk of perinatal infection	1 dose	2 doses	3 doses	4 doses	Resident children	Babies at risk of perinatal infection	1 dose	2 dose	3 doses	4 doses
	(n)	(n)	(%)	(%)	(%)	(n)	(n)	(%)	(%)	(%)	(%)	(n)	(n)	(%)	(%)	(%)	(%)
Abertawe Bro Morgannwg UHB	1324	1	100.0	100.0	100.0	1404	1	100.0	100.0	100.0	100.0	1424	1	100.0	100.0	100.0	100.0
Aneurin Bevan UHB	1588	2	100.0	100.0	100.0	1621	1	100.0	100.0	100.0	100.0	1732	1	100.0	100.0	100.0	100.0
Betsi Cadwaladr UHB	1765	3	100.0	100.0	100.0	1890	4	100.0	100.0	100.0	100.0	1817	0	-	-	-	-
Cardiff and Vale UHB	1422	14	100.0	100.0	100.0	1525	2	100.0	100.0	100.0	50.0	1471	4	100.0	100.0	100.0	100.0
Cwm Taf UHB	813	0	-	-	-	821	0	-	-	-	-	868	1	100.0	100.0	100.0	100.0
Hywel Dda UHB	869	1	100.0	100.0	100.0	966	0	-	-	-	-	958	0	-	-	-	-
Powys Teaching HB	291	0	-	-	-	283	1	100.0	100.0	100.0	100.0	329	1	100.0	100.0	100.0	100.0
Unknown	25	0	-	-	-	20	0	-	-	-	-	28	0	-	-	-	-
Wales Total	8097	21	100.0	100.0	100.0	8530	9	100.0	100.0	100.0	88.9	8627	8	100.0	100.0	100.0	100.0

Data reflects immunisations given and recorded on the Public Health Wales All Wales Neonatal Hepatitis B database of babies born to hepatitis B positive mothers.