

Vaccine Uptake in Children in Wales January to March 2015

COVER 114 (Updated): Wales June 2015



Public Health Wales, with the NHS Wales Informatics Service (NWIS) and Welsh Health Boards and been carrying out an audit of how accurately national COVER statistics reflect local Health Board Child Health Database data. Through this audit, an inconsistency between uptake figures reported in COVER report 114 (published in May 2015) and local Health Board Child Health Database data was noted. The inconsistency has now been corrected and this updated version of COVER report 114 contains revised immunisation uptake statistics for children reaching key birthdays between January 1st and March 31st 2015.

Key points from COVER report 114 (updated)

- For children at one year of age, uptake of the “5 in 1” vaccine, MenC and pneumococcal conjugate vaccine all exceeded 95% this quarter. Uptake of the “5 in 1” vaccine exceeded 95% in nineteen Local Authority (LA) areas.
- Uptake of two doses of rotavirus vaccine increased to 93%. Seven LA areas and one Health Board had an uptake above 95%.
- Uptake of the first dose of MMR vaccine in two year old children increased to more than 95% this quarter. Four Health Boards and 16 LA areas achieved an uptake of 95%.
- Eighty-six per cent of children were up to date with all routine immunisations by four years of age. Two Health Boards and six LA areas achieved an uptake of more than 90%.
- Uptake of the second MMR dose by five years of age was more than 93%.
- Uptake of the “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 2014-15 School Year 8 was 78% but varied by Health Board. Coverage of a complete three dose course in girls in the 2013-14 School Year 8 was 84%.
- Coverage of one dose of MMR vaccine in 15 year olds was 95% this quarter and coverage of a completed two dose course was 90%.
- Coverage of the Td/IPV teenage booster in 15 year olds was 83% this quarter.

These results are for children living in Wales in March 2015 and reaching their first, second, fourth, fifth, 15th and 16th birthdays during the quarter 01/01/2015 to 31/03/2015. Uptake of HPV vaccination¹ in girls in the 2014-15 School Year 8 (reaching their 13th birthday between 01/09/2014 and 31/08/2015) 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.

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

Findings from COVER report 114 (updated)

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 96.9%, compared to 95.1% last quarter. Uptake ranged by Health Board from 95.1% to 98.1% and by Local Authority (LA) from 94.3% (Ceredigion) to 99.2% (Torfaen). All seven Health Boards and 19 of the 22 LA areas achieved the target 95% uptake (Figures 2 and 5, Tables 2 and 3).
2. National uptake of a completed one dose course of MenC³ vaccine in children reaching their first birthday this quarter was 97.8% compared to 96.2% last quarter. Uptake in Health Boards ranged from 96.3% to 98.8% and ranged by LA from 94.6% (Monmouthshire) to 99.2% (Torfaen). All seven Health Boards and 21 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 (PCV2³) in children reaching their first birthday was 96.9% this quarter (compared to 95.0% last quarter), ranging by LA from 93.7% (Ceredigion) to 99.2% (Torfaen). All seven Health Boards and 14 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 was 92.7%, increasing from 90.2% last quarter. Uptake in Health Boards ranged from 87.9% to 96.8% and ranged by LA from 94.9% (Ceredigion) to 97.0% (Rhondda Cynon Taf) (Figure 2, Tables 2 and 3).
5. Uptake of the first dose of MMR⁴ in children reaching their second birthday (scheduled at 12 to 13 months of age) was 95.5% this quarter, compared to 94.6% last quarter, and ranged by LA from 93.0% (Ceredigion) to 97.8% (Flinthshire) (Figures 1, 2 and 6, Tables 2 and 4). Four Health Boards and 16 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 95.9% this quarter, compared to 94.6% last quarter. Uptake by LA ranged from 92.5% (Cardiff) to 98.5% (Blaenau Gwent) (Tables 2, 4). Six Health Boards and 18 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 was 95.2%, compared to 94.2% last quarter, and ranged by LA from 91.3% (Cardiff) to 97.6% (Blaenau Gwent) (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 88.1%, coverage of the Hib/MenC booster was 95.8% and uptake of two doses of MMR was 89.4% (Table 5). The proportion of children who were up to date with all these routine immunisations at four years of age increased to 86.1% this quarter from 84.8% last quarter (Table 1). This ranged by HB from 80.7% (Aneurin Bevan UHB) to 91.9% (Betsi Cadwaladr UHB) and by LA from 74.9% (Torfaen) to 94.0% (Gwynedd) (Figure 3, Table 1).
9. In children reaching five years of age this quarter, coverage of one dose of MMR increased to 97.6% from 97.0% last quarter. Uptake of two doses of MMR increased to 93.6% from 93.0% last quarter (Table 6). Uptake of two doses of MMR ranged by Health Board from 91.3% (Cardiff & Vale UHB) to 95.0% (Betsi Cadwaladr UHB) and by LA from 90.2%

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 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.

(Cardiff) to 98.3% (Gwynedd) (Figures 1, and 2, Tables 2 and 6). One Health Board and six LA areas exceeded 95% uptake for two doses of MMR by five years of age (Figure 7).

10. Uptake of the “4 in 1” DTaP/IPV⁵ pre-school booster in children reaching their fifth birthday increased to 93.6% this quarter from 93.5% last quarter, ranging by Health Board from 92.1% (Abertawe Bro Morgannwg UHB and Cardiff & Vale UHB) to 95.9% (Betsi Cadwaladr UHB) and by LA from 89.6% (Newport) to 98.3% (Gwynedd) (Tables 2, 6). Three LA’s achieved the 95% uptake target (Figure 8).
11. Coverage of a two dose primary course of MenC in children reaching their fifth birthday this quarter increased to 95.2% compared to 94.7% last quarter. Coverage ranged by Health Board from 91.7% (Powys Teaching HB) to 97.6% (Cwm Taf UHB) and by LA from 91.4% (Cardiff) to 99.5% (Blaenau Gwent) (Table 6).
12. From September 2014, the HPV vaccination programme changed for School Year 8 girls from a three dose to a two dose schedule following a Joint Committee on Vaccination and Immunisation (JCVI) recommendation. In the revised schedule, the first dose of HPV should be given to girls during School Year 8 with JCVI recommending a gap of 12 months before the second dose of HPV is received. Further information on the changes to the HPV vaccination programme can be found within the [CMO\(2014\)13](#) letter. Uptake of the first dose of HPV vaccine in girls in the 2014-15 School Year 8 was 78.1% (Table 7). Data entry and some vaccination sessions may not have been complete when data for this report were extracted and therefore, uptake for the first dose is expected to increase. Uptake of the second dose of HPV will be reported in due course. Coverage of HPV vaccination in the 2013-14 School Year 8 group (girls turning 14 years of age during 01/09/14 to 31/08/2015) was at 89.8%, 88.0% and 83.5% for one, two and three doses respectively (Table 7). This represents the last School Year 8 Group that was offered the three dose HPV schedule.
13. Coverage of the teenage MenC immunisation in teenagers at their 15th birthday was 72.0%. Data entry for school immunisations would not have been complete when data for this report were extracted. Coverage of the Td/IPV⁶ teenage booster in children reaching 15 years of age this quarter was 82.9% and ranged by LA from 75.7% (Cardiff) to 91.0% (Rhondda Cynon Taf) (Tables 2 and 8).
14. Coverage of two doses of MMR in children reaching 16 years of age this quarter was 90.5%, compared to 90.6% last quarter, ranging by LA from 84.6% (Monmouthshire) to 94.8% (Blaenau Gwent). Coverage of one dose of MMR remained stable this quarter at 95.5%. Coverage of a full course (two doses of MMR) of immunisation against rubella in 16 year old girls this quarter was 91.1% and coverage of only one dose was 96.0%. National coverage of the Td/IPV⁶ teenage booster in children reaching 16 years of age this quarter was 81.9% (Tables 2 and 9).
15. Coverage in the 2014-15 cohort of year 10 girls (girls reaching their 15th birthday during 01/09/14 to 31/08/15) of a complete three dose course of HPV vaccine is currently 86.9%. Coverage of a complete three dose course of HPV vaccine in girls reaching their 16th birthday during 01/09/14 to 31/08/15 (2014-15 year 11) is currently 87.6%. Coverage of a complete three dose course of HPV vaccine in girls reaching their 17th birthday during 01/09/14 to 31/08/15 (2014-15 year 12) is currently 86.7% (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 6.8%, 6.4%, 7.0% and 3.9% of children reaching their

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 are not known

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⁷ BCG protects against tuberculosis infection.

⁸ Numbers of eligible children for BCG are not known

first, second, fifth and 16th birthdays (respectively) during quarter four 2015⁸. Highest proportions of children given BCG by one and two years of age this quarter were seen in Cardiff LA and Newport LA.

17. Uptake data for hepatitis B immunisation, extracted from the Public Health Wales All Wales Neonatal Hepatitis B immunisation database, is presented in Table 12. Uptake of three doses of hepatitis B vaccine in children who were at risk of perinatal infection and reached their first birthday this quarter was 90%. Uptake of four doses of hepatitis B vaccine in children who were at risk of perinatal infection and reached their second birthday this quarter was 100%. Uptake of four doses of hepatitis B vaccine in children who were at risk of perinatal infection and reached their fifth birthday this quarter was 100%.

Comment

Figures presented in this updated version of COVER report 114, show that in some areas of Wales, for a number of immunisations, uptake is higher than previously reported.

Nationally, uptake of all routine primary immunisations in babies reaching their first birthday were above 95%, apart from uptake of rotavirus vaccine, which is a recent addition to the schedule and continued on an upward trend. Uptake of the '5 in 1' primary immunisation by 12 months of age exceeded 95% in 19 of the 22 LA areas in Wales. Uptake of the first dose of MMR vaccine in children by two years of age once again exceeded 95% nationally; and also in 16 of the 22 LA areas in Wales.

In many areas of Wales, the proportion of children who are up to date with their immunisations by four years of age is now above 90%; and some areas show a positive trend towards the 95% Welsh Government target. Coverage of the '4 in 1' preschool booster and the second dose of MMR have the lowest uptake of the vaccines used to calculate this measure; and are likely to be the limiting factor. Although uptake of a full two dose course of MMR vaccine in children reaching their fifth birthday falls short of 95% this quarter, the long term trend is still positive and this quarter one Health Board and six LA areas achieved 95%.

In teenagers at 15 and 16 years of age, coverage of one dose of MMR remains high and above 95%, while the proportion of teenagers who have received two doses is lower, at 90%. Immunisation status checks and the offer of catch-up doses alongside delivery of the '3 in 1 Td/IPV' booster remain important in improving coverage of MMR in teenagers.

This academic year, girls in School Year 8 were started on the new two dose course of HPV immunisation ([CMO\(2014\)13](#) [1]). Uptake of the first dose is reported here, however school immunisation sessions and data entry would not have been complete in some areas when data for this report were extracted. Uptake of the Meningococcal group C vaccine in teenagers, reported here for the second time, has increased this quarter and is expected to increase further as later immunisation sessions and data entry are completed.

[1] Welsh Government (2013) Important changes to the Schedule for Meningococcal Serogroup C Conjugate Vaccine, CMO letter (2013) 10.

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

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.

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For further information on this report please contact: surveillance.requests@wales.nhs.uk

Figure 1. Percentage uptake of childhood immunisations in Wales, quarter 1 1997 to quarter 1 2015. Data are for children reaching 1 year of age each quarter for diphtheria, pertussis, Hib, MenC⁹ 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).

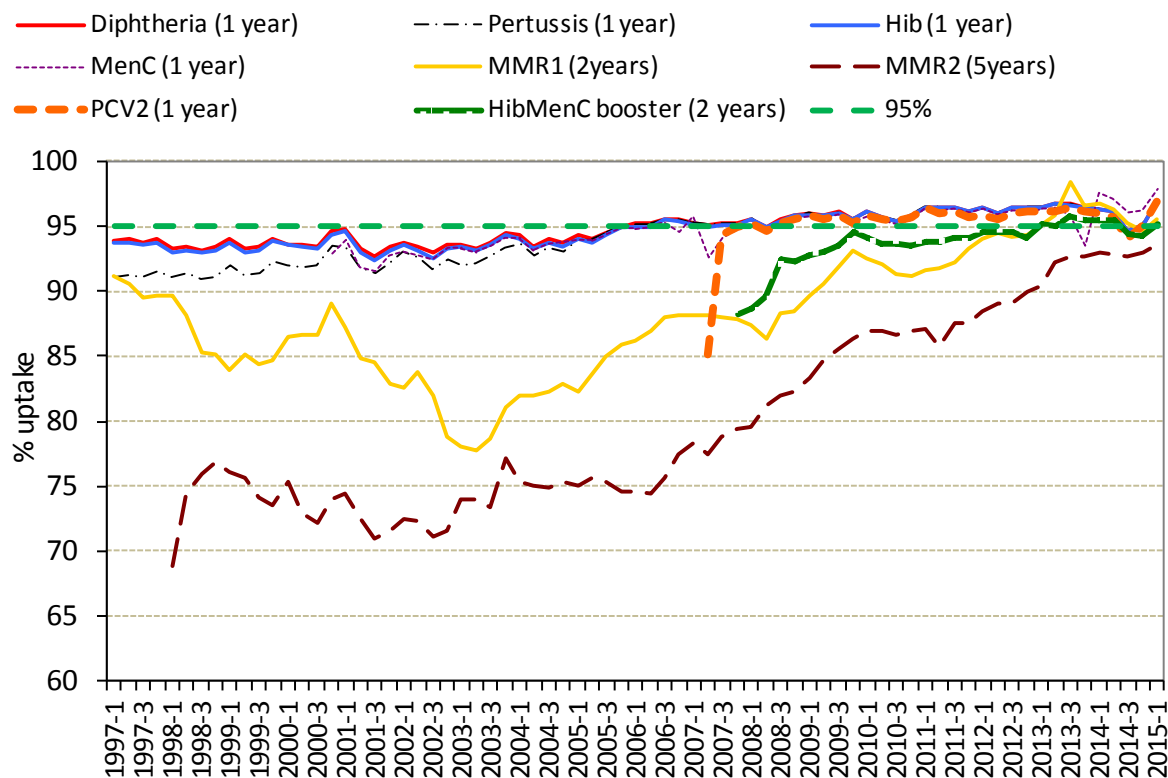
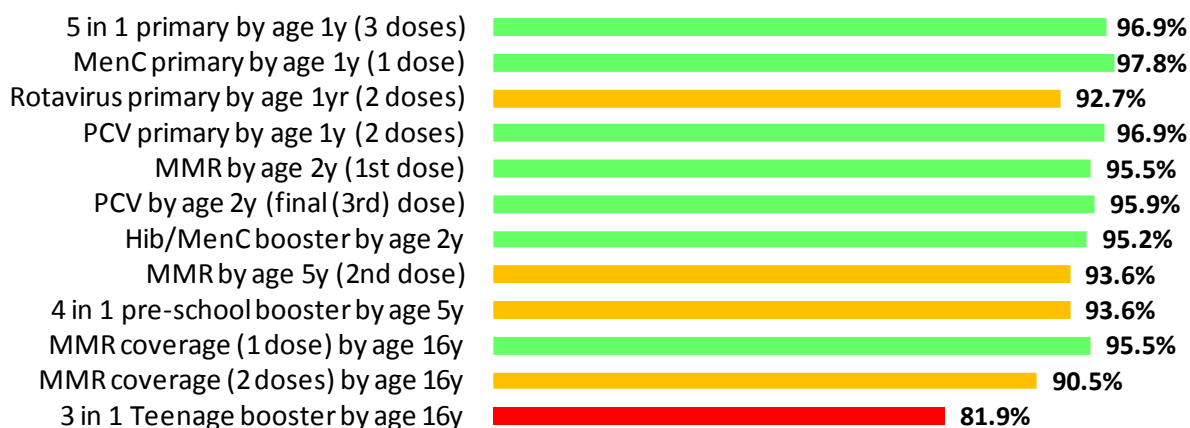


Figure 2. Summary of uptake rates for selected immunisations⁹ in resident children reaching their 1st, 2nd, 5th and 16th birthday between 01/01/15 and 31/03/15 and resident on 31/03/15.

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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.

Figure 3. Percentage uptake of resident children reaching their 4th birthday 01/01/15 and 31/03/15 and are up to date with all scheduled vaccines¹⁰ by Health Board.

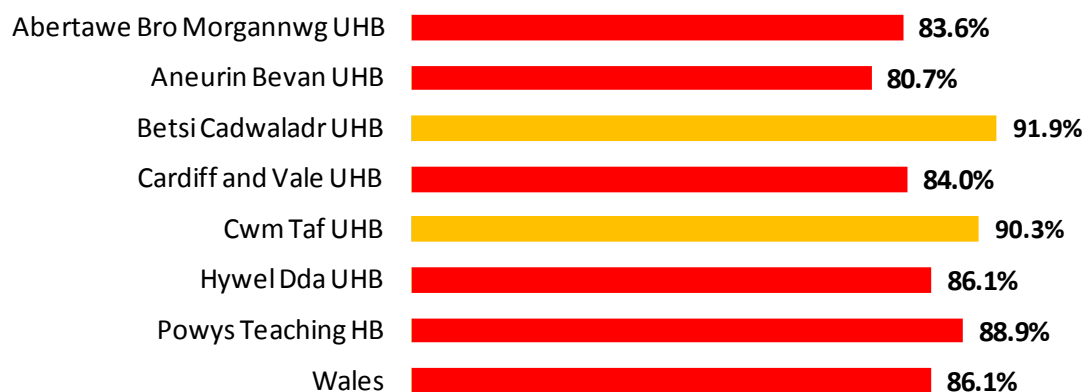
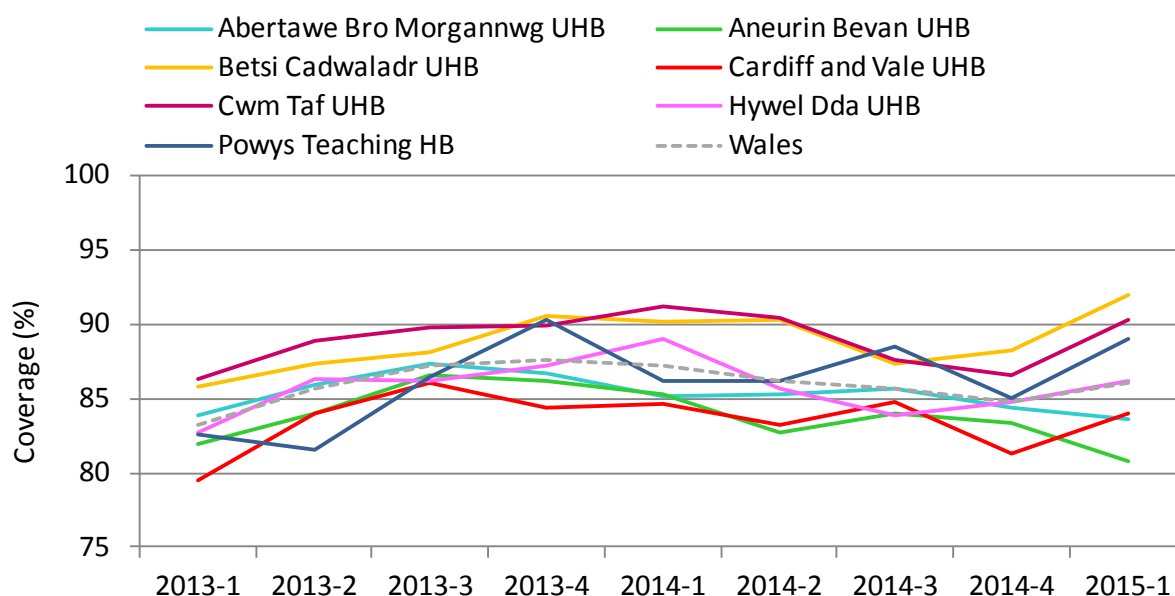


Table 1. Percentages of resident children reaching their 4th birthday during quarter 4 2013 to quarter 1 2015 who are up to date with all scheduled vaccines¹⁰, by Health Board.

Area	Up to date in schedule				
	2014-1	2014-2	2014-3	2014-4	2015-1
Abertawe Bro Morgannwg UHB	85.2	85.3	85.7	84.4	83.6
Aneurin Bevan UHB	85.2	82.7	84.0	83.4	80.7
Betsi Cadwaladr UHB	90.1	90.3	87.3	88.2	91.9
Cardiff and Vale UHB	84.6	83.2	84.7	81.3	84.0
Cwm Taf UHB	91.2	90.4	87.6	86.6	90.3
Hywel Dda UHB	89.0	85.7	83.9	84.8	86.1
Powys Teaching HB	86.2	86.1	88.5	85.0	88.9
Wales	87.2	86.1	85.6	84.8	86.1

Figure 4. Trends in the percentages of children reaching their 4th birthday who are up to date with all scheduled vaccines¹⁰, by Health Board.



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 5. Uptake of “5 in 1” vaccine in Welsh Local Authority areas in children reaching their 1st birthday between 01/01/15 and 31/03/15.

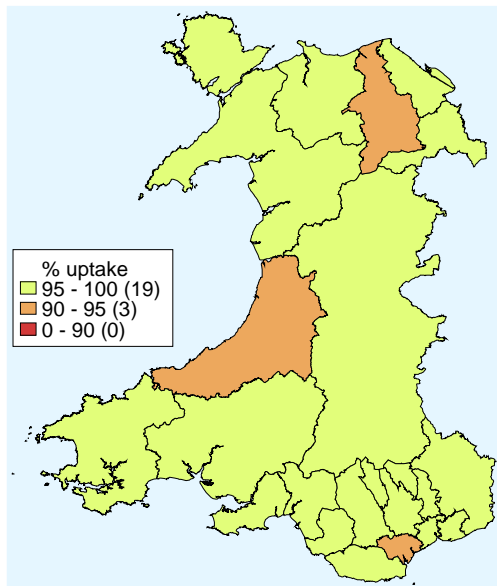


Figure 6. Uptake of at least 1 dose of MMR immunisation in Welsh Local Authority areas in children reaching their 2nd birthday between 01/01/15 and 31/03/15.

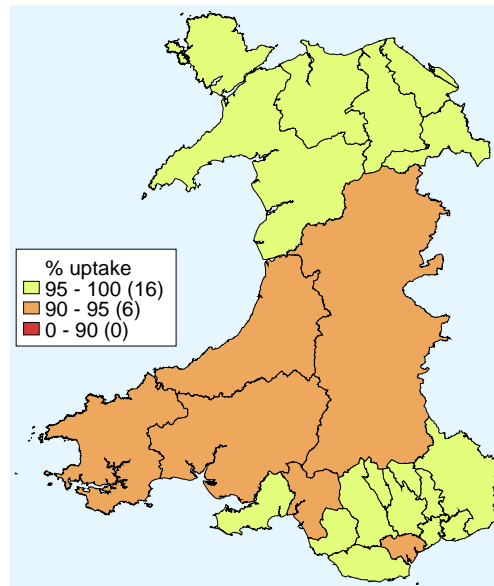


Figure 7. Uptake of two doses of MMR vaccine in Welsh Local Authority areas in children reaching their 5th birthday between 01/01/15 and 31/03/15.

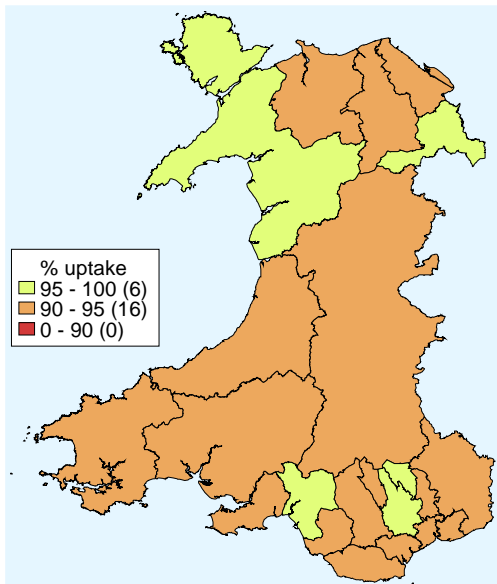


Figure 8. Uptake of “4 in 1” vaccine in Welsh Local Authority areas in children reaching their 5th birthday between 01/01/15 and 31/03/15.

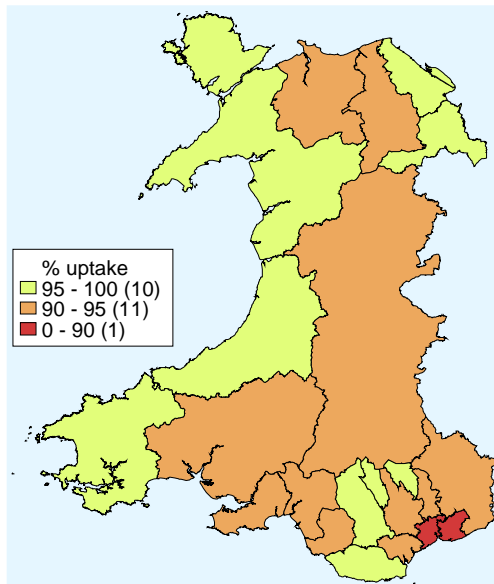


Table 2. Summary table with uptake of selected immunisations in resident children reaching their 1st, 2nd, 4th, 5th and 16th birthday between 01/01/15 and 31/03/15 and resident on 31/03/15.

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 (n) (%)	Resident children (n)	MMR1 (n) (%)	PCV ³ (n) (%)	Hib/MenC booster (n) (%)	Resident Children (n)	Up to date in schedule ⁴ (n) (%)	Resident children (n)	MMR2 (n) (%)	4 in 1 ¹ (n) (%)	Resident children (n)	MMR1 (n) (%)	MMR2 (n) (%)	3 in 1 Teenage booster ⁵ (n) (%)		
Abertawe Bro Morgannwg UHB																			
Bridgend LA	355	347 97.7	349 98.3	331 93.2	369	356 96.5	360 97.6	358 97.0	404	346 85.6	443	414 93.5	399 90.1	410	395 96.3	374 91.2	300 73.2		
Neath Port Talbot LA	346	339 98.0	343 99.1	334 96.5	366	345 94.3	345 94.3	344 94.0	404	351 86.9	379	361 95.3	358 94.5	392	383 97.7	360 91.8	332 84.7		
Swansea LA	607	593 97.7	600 98.8	572 94.2	581	555 95.5	562 96.7	560 96.4	640	513 80.2	717	671 93.6	661 92.2	624	603 96.6	555 88.9	528 84.6		
Health Board Total	1308	1279 97.8	1292 98.8	1237 94.6	1316	1256 95.4	1267 96.3	1262 95.9	1448	1210 83.6	1539	1446 94.0	1418 92.1	1426	1381 96.8	1289 90.4	1160 81.3		
Aneurin Bevan UHB																			
Blaenau Gwent LA	216	214 99.1	214 99.1	198 91.7	205	200 97.6	202 98.5	200 97.6	176	155 88.1	193	184 95.3	186 96.4	194	190 97.9	184 94.8	157 80.9		
Caerphilly LA	511	504 98.6	506 99.0	489 95.7	490	476 97.1	478 97.6	476 97.1	504	401 79.6	540	515 95.4	502 93.0	509	493 96.9	470 92.3	410 80.6		
Monmouthshire LA	204	194 95.1	193 94.6	181 88.7	224	215 96.0	213 95.1	212 94.6	199	174 87.4	235	220 93.6	218 92.8	279	248 88.9	236 84.6	216 77.4		
Newport LA	433	420 97.0	428 98.8	407 94.0	488	465 95.3	464 95.1	456 93.4	484	386 79.8	472	429 90.9	423 89.6	453	431 95.1	415 91.6	359 79.2		
Torfaen LA	257	255 99.2	255 99.2	248 96.5	260	253 97.3	254 97.7	252 96.9	267	200 74.9	243	225 92.6	226 93.0	260	254 97.7	245 94.2	210 80.8		
Health Board Total	1621	1587 97.9	1596 98.5	1523 94.0	1667	1609 96.5	1611 96.6	1596 95.7	1630	1316 80.7	1683	1573 93.5	1555 92.4	1695	1616 95.3	1550 91.4	1352 79.8		
Betsi Cadwaladr UHB																			
Anglesey LA	176	169 96.0	173 98.3	164 93.2	187	182 97.3	183 97.9	182 97.3	171	159 93.0	197	191 97.0	192 97.5	183	174 95.1	169 92.3	152 83.1		
Conwy LA	268	257 95.9	263 98.1	246 91.8	273	265 97.1	263 96.3	260 95.2	285	251 88.1	319	301 94.4	303 95.0	283	269 95.1	259 91.5	251 88.7		
Denbighshire LA	281	266 94.7	273 97.2	250 89.0	245	238 97.1	239 97.6	236 96.3	283	250 88.3	272	250 91.9	254 93.4	266	249 93.6	230 86.5	216 81.2		
Flintshire LA	358	353 98.6	354 98.9	344 96.1	401	392 97.8	389 97.0	388 96.8	366	343 93.7	421	396 94.1	405 96.2	399	388 97.2	370 92.7	341 85.5		
Gwynedd LA	286	274 95.8	272 95.1	250 87.4	314	299 95.2	303 96.5	302 96.2	282	265 94.0	296	291 98.3	291 98.3	323	312 96.6	301 93.2	277 85.8		
Wrexham LA	391	384 98.2	387 99.0	368 94.1	374	361 96.5	362 96.8	354 94.7	409	383 93.6	401	381 95.0	383 95.5	312	299 95.8	291 93.3	258 82.7		
Health Board Total	1760	1703 96.8	1722 97.8	1622 92.2	1794	1737 96.8	1739 96.9	1722 96.0	1796	1651 91.9	1906	1810 95.0	1828 95.9	1766	1691 95.8	1620 91.7	1495 84.7		
Cardiff and Vale UHB																			
Cardiff LA	1107	1051 94.9	1064 96.1	963 87.0	1108	1031 93.1	1025 92.5	1012 91.3	1109	922 83.1	1134	1023 90.2	1030 90.8	854	797 93.3	740 86.7	662 77.5		
Vale of Glamorgan LA	308	294 95.5	298 96.8	281 91.2	354	337 95.2	335 94.6	335 94.6	370	320 86.5	392	370 94.4	375 95.7	358	342 95.5	320 89.4	305 85.2		
Health Board Total	1415	1345 95.1	1362 96.3	1244 87.9	1462	1368 93.6	1360 93.0	1347 92.1	1479	1242 84.0	1526	1393 91.3	1405 92.1	1212	1139 94.0	1060 87.5	967 79.8		
Cwm Taf UHB																			
Merthyr Tydfil LA	156	154 98.7	154 98.7	149 95.5	167	159 95.2	162 97.0	161 96.4	177	162 91.5	157	148 94.3	151 96.2	147	140 95.2	134 91.2	130 88.4		
Rhondda Cynon Taf LA	667	653 97.9	658 98.7	648 97.2	697	673 96.6	677 97.1	675 96.8	722	650 90.0	724	686 94.8	690 95.3	608	594 97.7	564 92.8	545 89.6		
Health Board Total	823	807 98.1	812 98.7	797 96.8	864	832 96.3	839 97.1	836 96.8	899	812 90.3	881	834 94.7	841 95.5	755	734 97.2	698 92.5	675 89.4		
Hywel Dda UHB																			
Cardiff LA	470	453 96.4	456 97.0	435 92.6	430	403 93.7	411 95.6	410 95.3	493	417 84.6	465	435 93.5	426 91.6	394	381 96.7	365 92.6	322 81.7		
Ceredigion LA	159	150 94.3	151 95.0	135 84.9	171	159 93.0	161 94.2	162 94.7	165	150 90.9	176	166 94.3	168 95.5	156	151 96.8	143 91.7	139 89.1		
Pembrokeshire LA	323	312 96.6	317 98.1	307 95.0	297	281 94.6	284 95.6	279 93.9	344	296 86.0	316	294 93.0	302 95.6	349	324 92.8	299 85.7	260 74.5		
Health Board Total	952	915 96.1	924 97.1	877 92.1	898	843 93.9	856 95.3	851 94.8	1002	863 86.1	957	895 93.5	896 93.6	899	856 95.2	807 89.8	721 80.2		
Powys Teaching UHB																			
Cardiff LA	291	282 96.9	282 96.9	273 93.8	306	290 94.8	294 96.1	293 95.8	289	257 88.9	276	252 91.3	258 93.5	378	354 93.7	344 91.0	297 78.6		
Unknown	22	22 100.0	22 100.0	20 90.9	28	26 92.9	26 92.9	26 92.9	19	18 94.7	23	22 95.7	23 100.0	38	29 76.3	27 71.1	27 71.1		
Wales Total	8192	7940 96.9	8012 97.8	7593 92.7	8335	7961 95.5	7992 95.9	7933 95.2	8562	7369 86.1	8791	8225 93.6	8224 93.6	8169	7800 95.5	7395 90.5	6694 81.9		

¹ Uptake of pertussis used as proxy

² Uptake of a completed one dose primary course of MenC vaccination

³ Children receiving the final dose of PCV

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

⁵ Uptake of diphtheria (reinforcing booster dose) used as proxy

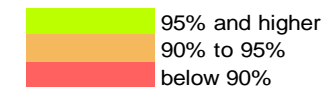


Table 3. Vaccine uptake in children reaching their 1st birthday between 01/01/15 and 31/03/15 and resident on 31/03/15.

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) (%)
Abertawe Bro Morgannwg University HB											
Bridgend LA	355	347 97.7	347 97.7	347 97.7	347 97.7	347 97.7	0 0.0	349 98.3	331 93.2	345 97.2	0 0.0
Neath Port Talbot LA	346	339 98.0	339 98.0	339 98.0	339 98.0	339 98.0	0 0.0	343 99.1	334 96.5	339 98.0	1 0.3
Swansea LA	607	593 97.7	593 97.7	593 97.7	593 97.7	592 97.5	0 0.0	600 98.8	572 94.2	592 97.5	1 0.2
Health Board Total	1308	1279 97.8	1279 97.8	1279 97.8	1279 97.8	1278 97.7	0 0.0	1292 98.8	1237 94.6	1276 97.6	2 0.2
Aneurin Bevan University HB											
Blaenau Gwent LA	216	214 99.1	214 99.1	214 99.1	214 99.1	214 99.1	4 1.9	214 99.1	198 91.7	214 99.1	4 1.9
Caerphilly LA	511	504 98.6	504 98.6	504 98.6	504 98.6	504 98.6	0 0.0	506 99.0	489 95.7	506 99.0	0 0.0
Monmouthshire LA	204	194 95.1	194 95.1	194 95.1	194 95.1	194 95.1	0 0.0	193 94.6	181 88.7	194 95.1	0 0.0
Newport LA	433	420 97.0	420 97.0	420 97.0	420 97.0	420 97.0	0 0.0	428 98.8	407 94.0	418 96.5	0 0.0
Torfaen LA	257	255 99.2	255 99.2	255 99.2	255 99.2	255 99.2	0 0.0	255 99.2	248 96.5	255 99.2	0 0.0
Health Board Total	1621	1587 97.9	1587 97.9	1587 97.9	1587 97.9	1587 97.9	4 0.2	1596 98.5	1523 94.0	1587 97.9	4 0.2
Betsi Cadwaladr University HB											
Anglesey LA	176	169 96.0	169 96.0	169 96.0	169 96.0	169 96.0	1 0.6	173 98.3	164 93.2	170 96.6	1 0.6
Conwy LA	268	257 95.9	257 95.9	257 95.9	257 95.9	257 95.9	2 0.7	263 98.1	246 91.8	256 95.5	2 0.7
Denbighshire LA	281	266 94.7	266 94.7	266 94.7	266 94.7	266 94.7	3 1.1	273 97.2	250 89.0	266 94.7	3 1.1
Flintshire LA	358	353 98.6	353 98.6	353 98.6	353 98.6	353 98.6	1 0.3	354 98.9	344 96.1	354 98.9	1 0.3
Gwynedd LA	286	274 95.8	274 95.8	274 95.8	274 95.8	275 96.2	1 0.3	272 95.1	250 87.4	275 96.2	1 0.3
Wrexham LA	391	384 98.2	384 98.2	384 98.2	384 98.2	383 98.0	1 0.3	387 99.0	368 94.1	384 98.2	1 0.3
Health Board Total	1760	1703 96.8	1703 96.8	1703 96.8	1703 96.8	1702 96.7	9 0.5	1722 97.8	1622 92.2	1705 96.9	9 0.5
Cardiff and Vale University HB											
Cardiff LA	1107	1051 94.9	1051 94.9	1051 94.9	1051 94.9	1051 94.9	7 0.6	1064 96.1	963 87.0	1051 94.9	7 0.6
Vale of Glamorgan LA	308	294 95.5	294 95.5	294 95.5	294 95.5	294 95.5	1 0.3	298 96.8	281 91.2	293 95.1	1 0.3
Health Board Total	1415	1345 95.1	1345 95.1	1345 95.1	1345 95.1	1346 95.1	8 0.6	1362 96.3	1244 87.9	1344 95.0	8 0.6
Cwm Taf University HB											
Merthyr Tydfil LA	156	154 98.7	154 98.7	154 98.7	154 98.7	154 98.7	0 0.0	154 98.7	149 95.5	153 98.1	0 0.0
Rhondda Cynon Taf LA	667	653 97.9	653 97.9	653 97.9	653 97.9	652 97.8	1 0.1	658 98.7	648 97.2	653 97.9	1 0.1
Health Board Total	823	807 98.1	807 98.1	807 98.1	807 98.1	806 97.9	1 0.1	812 98.7	797 96.8	806 97.9	1 0.1
Hywel Dda University HB											
Carmarthenshire LA	470	453 96.4	453 96.4	453 96.4	453 96.4	453 96.4	2 0.4	456 97.0	435 92.6	453 96.4	3 0.6
Ceredigion LA	159	150 94.3	150 94.3	150 94.3	150 94.3	150 94.3	1 0.6	151 95.0	135 84.9	149 93.7	0 0.0
Pembrokeshire LA	323	312 96.6	312 96.6	312 96.6	312 96.6	312 96.6	1 0.3	317 98.1	307 95.0	312 96.6	0 0.0
Health Board Total	952	915 96.1	915 96.1	915 96.1	915 96.1	915 96.1	4 0.4	924 97.1	877 92.1	914 96.0	3 0.3
Powys Teaching HB											
Unknown	22	22 100.0	22 100.0	22 100.0	22 100.0	22 100.0	0 0.0	22 100.0	20 90.9	22 100.0	0 0.0
Wales Total	8192	7940 96.9	7940 96.9	7940 96.9	7940 96.9	7939 96.9	28 0.3	8012 97.8	7593 92.7	7936 96.9	28 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 Uptake of a completed one dose primary course of MenC vaccination.

³ Full primary two dose course of pneumococcal conjugate vaccine.

Table 4. Vaccine uptake in children reaching their 2nd birthday between 01/01/15 and 31/03/15 and resident on 31/03/15.

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)	(%)
<u>Abertawe Bro Morgannwg University HB</u>																					
Bridgend LA	369	362	98.1	362	98.1	362	98.1	362	98.1	362	98.1	356	96.5	365	98.9	360	97.6	360	97.6	358	97.0
Neath Port Talbot LA	366	358	97.8	358	97.8	358	97.8	358	97.8	358	97.8	345	94.3	361	98.6	356	97.3	345	94.3	344	94.0
Swansea LA	581	572	98.5	572	98.5	572	98.5	572	98.5	570	98.1	555	95.5	570	98.1	566	97.4	562	96.7	560	96.4
Health Board Total	1316	1292	98.2	1292	98.2	1292	98.2	1292	98.2	1290	98.0	1256	95.4	1296	98.5	1282	97.4	1267	96.3	1262	95.9
<u>Aneurin Bevan University HB</u>																					
Blaenau Gwent LA	205	202	98.5	202	98.5	202	98.5	202	98.5	202	98.5	200	97.6	203	99.0	200	97.6	202	98.5	200	97.6
Caerphilly LA	490	485	99.0	485	99.0	485	99.0	485	99.0	485	99.0	476	97.1	483	98.6	482	98.4	478	97.6	476	97.1
Monmouthshire LA	224	214	95.5	214	95.5	214	95.5	214	95.5	214	95.5	215	96.0	213	95.1	212	94.6	213	95.1	212	94.6
Newport LA	488	476	97.5	476	97.5	476	97.5	476	97.5	475	97.3	465	95.3	469	96.1	465	95.3	464	95.1	456	93.4
Torfaen LA	260	258	99.2	258	99.2	258	99.2	258	99.2	257	98.8	253	97.3	255	98.1	255	98.1	254	97.7	252	96.9
Health Board Total	1667	1635	98.1	1635	98.1	1635	98.1	1635	98.1	1633	98.0	1609	96.5	1623	97.4	1614	96.8	1611	96.6	1596	95.7
<u>Betsi Cadwaladr University HB</u>																					
Anglesey LA	187	186	99.5	186	99.5	186	99.5	186	99.5	186	99.5	182	97.3	184	98.4	184	98.4	183	97.9	182	97.3
Conwy LA	273	268	98.2	268	98.2	268	98.2	268	98.2	268	98.2	265	97.1	266	97.4	263	96.3	263	96.3	260	95.2
Denbighshire LA	245	242	98.8	242	98.8	242	98.8	242	98.8	242	98.8	238	97.1	244	99.6	240	98.0	239	97.6	236	96.3
Flintshire LA	401	397	99.0	397	99.0	397	99.0	396	98.8	396	98.8	392	97.8	396	98.8	395	98.5	389	97.0	388	96.8
Gwynedd LA	314	304	96.8	304	96.8	304	96.8	304	96.8	304	96.8	299	95.2	300	95.5	302	96.2	303	96.5	302	96.2
Wrexham LA	374	369	98.7	369	98.7	369	98.7	369	98.7	369	98.7	361	96.5	370	98.9	364	97.3	362	96.8	354	94.7
Health Board Total	1794	1766	98.4	1766	98.4	1766	98.4	1765	98.4	1765	98.4	1737	96.8	1760	98.1	1748	97.4	1739	96.9	1722	96.0
<u>Cardiff and Vale University HB</u>																					
Cardiff LA	1108	1050	94.8	1050	94.8	1049	94.7	1049	94.7	1047	94.5	1031	93.1	1046	94.4	1015	91.6	1025	92.5	1012	91.3
Vale of Glamorgan LA	354	344	97.2	344	97.2	344	97.2	343	96.9	343	96.9	337	95.2	341	96.3	339	95.8	335	94.6	335	94.6
Health Board Total	1462	1394	95.3	1394	95.3	1393	95.3	1392	95.2	1390	95.1	1368	93.6	1387	94.9	1354	92.6	1360	93.0	1347	92.1
<u>Cwm Taf University HB</u>																					
Merthyr Tydfil LA	167	167	100.0	167	100.0	167	100.0	167	100.0	167	100.0	159	95.2	165	98.8	165	98.8	162	97.0	161	96.4
Rhondda Cynon Taf LA	697	688	98.7	688	98.7	688	98.7	688	98.7	688	98.7	673	96.6	688	98.7	682	97.8	677	97.1	675	96.8
Health Board Total	864	855	99.0	855	99.0	855	99.0	855	99.0	855	99.0	832	96.3	853	98.7	847	98.0	839	97.1	836	96.8
<u>Hywel Dda University HB</u>																					
Cardiff LA	430	418	97.2	418	97.2	418	97.2	418	97.2	418	97.2	403	93.7	422	98.1	413	96.0	411	95.6	410	95.3
Ceredigion LA	171	164	95.9	164	95.9	164	95.9	164	95.9	163	95.3	159	93.0	163	95.3	161	94.2	161	94.2	162	94.7
Pembrokeshire LA	297	289	97.3	289	97.3	289	97.3	289	97.3	289	97.3	281	94.6	291	98.0	284	95.6	284	95.6	279	93.9
Health Board Total	898	871	97.0	871	97.0	871	97.0	871	97.0	870	96.9	843	93.9	876	97.6	858	95.5	856	95.3	851	94.8
<u>Powys Teaching HB</u>																					
Unknown	28	26	92.9	26	92.9	26	92.9	26	92.9	25	89.3	26	92.9	26	92.9	24	85.7	26	92.9	26	92.9
Wales Total	8335	8139	97.6	8139	97.6	8138	97.6	8136	97.6	8128	97.5	7961	95.5	8113	97.3	8025	96.3	7992	95.9	7933	95.2

¹ Uptake of a completed one dose primary course of MenC vaccination

² Full primary two 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 01/01/15 and 31/03/15 and resident on 31/03/15.

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	404	352	87.1	390	96.5	360	89.1	346	85.6
Neath Port Talbot LA	404	357	88.4	394	97.5	374	92.6	351	86.9
Swansea LA	640	530	82.8	599	93.6	572	89.4	513	80.2
Health Board Total	1448	1239	85.6	1383	95.5	1306	90.2	1210	83.6
<u>Aneurin Bevan University HB</u>									
Blaenau Gwent LA	176	156	88.6	170	96.6	160	90.9	155	88.1
Caerphilly LA	504	408	81.0	492	97.6	434	86.1	401	79.6
Monmouthshire LA	199	180	90.5	189	95.0	180	90.5	174	87.4
Newport LA	484	400	82.6	449	92.8	415	85.7	386	79.8
Torfaen LA	267	205	76.8	261	97.8	216	80.9	200	74.9
Health Board Total	1630	1349	82.8	1561	95.8	1405	86.2	1316	80.7
<u>Betsi Cadwaladr University HB</u>									
Anglesey LA	171	161	94.2	169	98.8	160	93.6	159	93.0
Conwy LA	285	255	89.5	276	96.8	254	89.1	251	88.1
Denbighshire LA	283	254	89.8	275	97.2	253	89.4	250	88.3
Flintshire LA	366	349	95.4	355	97.0	348	95.1	343	93.7
Gwynedd LA	282	270	95.7	270	95.7	267	94.7	265	94.0
Wrexham LA	409	388	94.9	398	97.3	387	94.6	383	93.6
Health Board Total	1796	1677	93.4	1743	97.0	1669	92.9	1651	91.9
<u>Cardiff and Vale University HB</u>									
Cardiff LA	1109	949	85.6	1035	93.3	949	85.6	922	83.1
Vale of Glamorgan LA	370	326	88.1	354	95.7	326	88.1	320	86.5
Health Board Total	1479	1275	86.2	1389	93.9	1275	86.2	1242	84.0
<u>Cwm Taf University HB</u>									
Merthyr Tydfil LA	177	169	95.5	169	95.5	167	94.4	162	91.5
Rhondda Cynon Taf LA	722	663	91.8	707	97.9	657	91.0	650	90.0
Health Board Total	899	832	92.5	876	97.4	824	91.7	812	90.3
<u>Hywel Dda University HB</u>									
Carmarthenshire LA	493	430	87.2	468	94.9	440	89.2	417	84.6
Ceredigion LA	165	158	95.8	157	95.2	152	92.1	150	90.9
Pembrokeshire LA	344	302	87.8	326	94.8	302	87.8	296	86.0
Health Board Total	1002	890	88.8	951	94.9	894	89.2	863	86.1
<u>Powys Teaching HB</u>	289	260	90.0	278	96.2	266	92.0	257	88.9
Unknown	19	18	94.7	19	100.0	19	100.0	18	94.7
Wales Total	8562	7540	88.1	8200	95.8	7658	89.4	7369	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.

Table 6. Vaccine uptake in children reaching their 5th birthday between 01/01/15 and 31/03/15 and resident on 31/03/15.

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	443	433 97.7	433 97.7	433 97.7	433 97.7	433 97.7	427 96.4	420 94.8	427 96.4	437 98.6	414 93.5	399 90.1	399 90.1	399 90.1	399 90.1
Neath Port Talbot LA	379	377 99.5	377 99.5	377 99.5	377 99.5	377 99.5	374 98.7	371 97.9	372 98.2	375 98.9	361 95.3	358 94.5	358 94.5	358 94.5	358 94.5
Swansea LA	717	700 97.6	700 97.6	700 97.6	701 97.8	699 97.5	681 95.0	675 94.1	683 95.3	698 97.4	671 93.6	661 92.2	661 92.2	661 92.2	661 92.2
Health Board Total	1539	1510 98.1	1510 98.1	1510 98.1	1511 98.2	1509 98.1	1482 96.3	1466 95.3	1482 96.3	1510 98.1	1446 94.0	1418 92.1	1418 92.1	1418 92.1	1418 92.1
Aneurin Bevan University HB															
Blaenau Gwent LA	193	193 100.0	193 100.0	193 100.0	193 100.0	193 100.0	192 99.5	188 97.4	187 96.9	192 99.5	184 95.3	186 96.4	186 96.4	186 96.4	186 96.4
Caerphilly LA	540	532 98.5	532 98.5	532 98.5	532 98.5	532 98.5	525 97.2	518 95.9	517 95.7	533 98.7	515 95.4	502 93.0	502 93.0	502 93.0	502 93.0
Monmouthshire LA	235	223 94.9	223 94.9	223 94.9	223 94.9	223 94.9	217 92.3	218 92.8	214 91.1	225 95.7	220 93.6	218 92.8	218 92.8	218 92.8	218 92.8
Newport LA	472	457 96.8	457 96.8	457 96.8	457 96.8	457 96.8	439 93.0	438 92.8	429 90.9	452 95.8	429 90.9	423 89.6	423 89.6	423 89.6	423 89.6
Torfaen LA	243	238 97.9	238 97.9	238 97.9	238 97.9	238 97.9	234 96.3	234 96.3	230 94.7	236 97.1	225 92.6	226 93.0	226 93.0	226 93.0	226 93.0
Health Board Total	1683	1643 97.6	1643 97.6	1643 97.6	1643 97.6	1642 97.6	1607 95.5	1596 94.8	1577 93.7	1638 97.3	1573 93.5	1555 92.4	1555 92.4	1555 92.4	1555 92.4
Betsi Cadwaladr University HB															
Anglesey LA	197	195 99.0	195 99.0	195 99.0	195 99.0	195 99.0	190 96.4	186 94.4	188 95.4	195 99.0	191 97.0	192 97.5	192 97.5	192 97.5	192 97.5
Conwy LA	319	314 98.4	314 98.4	314 98.4	314 98.4	314 98.4	308 96.6	308 96.6	305 95.6	313 98.1	301 94.4	303 95.0	303 95.0	303 95.0	303 95.0
Denbighshire LA	272	261 96.0	261 96.0	261 96.0	261 96.0	261 96.0	255 93.8	249 91.5	258 94.9	262 96.3	250 91.9	254 93.4	254 93.4	254 93.4	254 93.4
Flintshire LA	421	412 97.9	412 97.9	412 97.9	411 97.6	412 97.9	407 96.7	399 94.8	401 95.2	407 96.7	396 94.1	405 96.2	405 96.2	405 96.2	405 96.2
Gwynedd LA	296	295 99.7	295 99.7	295 99.7	295 99.7	295 99.7	282 95.3	283 95.6	285 96.3	295 99.7	291 98.3	291 98.3	291 98.3	291 98.3	291 98.3
Wrexham LA	401	393 98.0	393 98.0	393 98.0	392 97.8	393 98.0	385 96.0	381 95.0	386 96.3	395 98.5	381 95.0	383 95.5	383 95.5	383 95.5	382 95.3
Health Board Total	1906	1870 98.1	1870 98.1	1870 98.1	1868 98.0	1870 98.1	1827 95.9	1806 94.8	1823 95.6	1867 98.0	1810 95.0	1828 95.9	1828 95.9	1828 95.9	1827 95.9
Cardiff and Vale University HB															
Cardiff LA	1134	1098 96.8	1098 96.8	1098 96.8	1095 96.6	1089 96.0	1036 91.4	1031 90.9	1034 91.2	1098 96.8	1023 90.2	1030 90.8	1030 90.8	1030 90.8	1030 90.8
Vale of Glamorgan LA	392	387 98.7	387 98.7	387 98.7	387 98.7	387 98.7	374 95.4	379 96.7	375 95.7	387 98.7	370 94.4	375 95.7	375 95.7	375 95.7	375 95.7
Health Board Total	1526	1485 97.3	1485 97.3	1485 97.3	1482 97.1	1476 96.7	1410 92.4	1410 92.4	1409 92.3	1485 97.3	1393 91.3	1405 92.1	1405 92.1	1405 92.1	1405 92.1
Cwm Taf University HB															
Merthyr Tydfil LA	157	154 98.1	154 98.1	154 98.1	154 98.1	154 98.1	153 97.5	150 95.5	151 96.2	156 99.4	148 94.3	151 96.2	151 96.2	151 96.2	151 96.2
Rhondda Cynon Taf LA	724	714 98.6	714 98.6	714 98.6	714 98.6	714 98.6	707 97.7	703 97.1	704 97.2	713 98.5	686 94.8	690 95.3	690 95.3	690 95.3	690 95.3
Health Board Total	881	868 98.5	868 98.5	868 98.5	868 98.5	868 98.5	860 97.6	853 96.8	855 97.0	869 98.6	834 94.7	841 95.5	841 95.5	841 95.5	841 95.5
Hywel Dda University HB															
Carmarthenshire LA	465	447 96.1	447 96.1	447 96.1	446 95.9	447 96.1	440 94.6	429 92.3	434 93.3	452 97.2	435 93.5	426 91.6	426 91.6	426 91.6	426 91.6
Ceredigion LA	176	169 96.0	169 96.0	169 96.0	169 96.0	169 96.0	167 94.9	165 93.8	167 94.9	168 95.5	166 94.3	168 95.5	168 95.5	167 94.9	167 94.9
Pembrokeshire LA	316	310 98.1	310 98.1	310 98.1	310 98.1	310 98.1	304 96.2	299 94.6	309 97.8	306 96.8	294 93.0	302 95.6	302 95.6	302 95.6	302 95.6
Health Board Total	957	926 96.8	926 96.8	926 96.8	925 96.7	926 96.8	911 95.2	893 93.3	910 95.1	926 96.8	895 93.5	896 93.6	896 93.6	896 93.6	895 93.5
Powys Teaching HB	276	261 94.6	261 94.6	261 94.6	261 94.6	260 94.2	253 91.7	252 91.3	251 90.9	264 95.7	252 91.3	258 93.5	258 93.5	258 93.5	257 93.1
Unknown	23	23 100.0	23 100.0	23 100.0	23 100.0	23 100.0	23 100.0	21 91.3	23 100.0	23 100.0	22 95.7	23 100.0	23 100.0	23 100.0	23 100.0
Wales Total	8791	8586 97.7	8586 97.7	8586 97.7	8581 97.6	8574 97.5	8373 95.2	8297 94.4	8330 94.8	8582 97.6	8225 93.6	8224 93.6	8224 93.6	8224 93.6	8221 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 01/09/14 and 31/08/15 and resident on 31/03/15.

Area	13 years (2013-14 School Year 8) ¹					14 years (2013-14 School Year 9)						
	Resident girls (n)	HPV 1 dose (n)	HPV 1 dose (%)	HPV 2 doses (n)	HPV 2 doses (%)	Resident girls (n)	HPV 1 dose (n)	HPV 1 dose (%)	HPV 2 doses (n)	HPV 2 doses (%)	HPV 3 doses (n)	HPV 3 doses (%)
Abertawe Bro Morgannwg University HB												
Bridgend LA	718	633	88.2	1	0.1	815	744	91.3	730	89.6	680	83.4
Neath Port Talbot LA	667	600	90.0	1	0.1	663	619	93.4	595	89.7	545	82.2
Swansea LA	1187	1060	89.3	0	0.0	1244	1134	91.2	1103	88.7	1039	83.5
Health Board Total	2572	2293	89.2	2	0.1	2722	2497	91.7	2428	89.2	2264	83.2
Aneurin Bevan University HB												
Blaenau Gwent LA	339	309	91.2	0	0.0	344	332	96.5	321	93.3	301	87.5
Caerphilly LA	889	803	90.3	0	0.0	907	851	93.8	831	91.6	803	88.5
Monmouthshire LA	466	354	76.0	1	0.2	469	359	76.5	350	74.6	335	71.4
Newport LA	901	729	80.9	2	0.2	832	710	85.3	681	81.9	648	77.9
Torfaen LA	485	421	86.8	0	0.0	511	476	93.2	460	90.0	434	84.9
Health Board Total	3080	2616	84.9	3	0.1	3063	2728	89.1	2643	86.3	2521	82.3
Betsi Cadwaladr University HB												
Anglesey LA	346	63	18.2	0	0.0	355	318	89.6	313	88.2	287	80.8
Conwy LA	529	202	38.2	0	0.0	606	539	88.9	536	88.4	523	86.3
Denbighshire LA	452	133	29.4	0	0.0	516	461	89.3	461	89.3	450	87.2
Flintshire LA	801	614	76.7	0	0.0	805	730	90.7	725	90.1	702	87.2
Gwynedd LA	551	256	46.5	0	0.0	591	529	89.5	525	88.8	517	87.5
Wrexham LA	616	449	72.9	0	0.0	682	619	90.8	610	89.4	601	88.1
Health Board Total	3295	1717	52.1	0	0.0	3555	3196	89.9	3170	89.2	3080	86.6
Cardiff and Vale University HB												
Cardiff LA	1694	1352	79.8	0	0.0	1707	1469	86.1	1419	83.1	1244	72.9
Vale of Glamorgan LA	631	548	86.8	0	0.0	633	574	90.7	560	88.5	491	77.6
Health Board Total	2325	1900	81.7	0	0.0	2340	2043	87.3	1979	84.6	1735	74.1
Cwm Taf University HB												
Merthyr Tydfil LA	279	257	92.1	0	0.0	279	259	92.8	257	92.1	256	91.8
Rhondda Cynon Taf LA	1118	1030	92.1	0	0.0	1152	1094	95.0	1085	94.2	1063	92.3
Health Board Total	1397	1287	92.1	0	0.0	1431	1353	94.5	1342	93.8	1319	92.2
Hywel Dda University HB												
Carmarthenshire LA	854	757	88.6	208	24.4	827	767	92.7	760	91.9	751	90.8
Ceredigion LA	300	179	59.7	5	1.7	280	256	91.4	254	90.7	252	90.0
Pembrokeshire LA	519	438	84.4	0	0.0	541	468	86.5	463	85.6	446	82.4
Health Board Total	1673	1374	82.1	213	12.7	1648	1491	90.5	1477	89.6	1449	87.9
Powys Teaching HB	607	497	81.9	0	0.0	602	491	81.6	483	80.2	466	77.4
Unknown	62	35	56.5	0	0.0	87	66	75.9	66	75.9	63	72.4
Wales Total	15011	11719	78.1	218	1.5	15448	13865	89.8	13588	88.0	12897	83.5

¹ Current two dose HPV vaccine schedule, data entry for immunisation sessions may still be underway.

² Represents the last School Year 8 group (2013-14) to receive the three dose HPV dose schedule.

Table 8. MMR and Td/IPV vaccine uptake in children reaching their 15th birthday between 01/01/15 and 31/03/15 and resident on 31/03/15 (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)	MMR1 (%)	MMR2 (%)	(n)	MMR1 (%)	MMR2 (%)	1 booster ¹ (%)	MenC (%)	(n)	MMR1 (%)	MMR2 (%)	(n)	MMR1 (%)	MMR2 (%)	(n)	MMR1 (%)	MMR2 (%)	(n)	MMR1 (%)	MMR2 (%)
Abertawe Bro Morgannwg University HB	(n)	(n)	(%)	(n)	(%)	(n)	(%)	(n)	(%)	(n)	(n)	(%)	(n)	(%)	(n)	(n)	(%)	(n)	(%)	
Bridgend LA	367	356	97.0	339	92.4	323	88.0	317	86.4	189	181	95.8	172	91.0	178	175	98.3	167	93.8	
Neath Port Talbot LA	357	339	95.0	318	89.1	311	87.1	310	86.8	167	160	95.8	153	91.6	190	179	94.2	165	86.8	
Swansea LA	600	566	94.3	540	90.0	529	88.2	521	86.8	272	260	95.6	252	92.6	328	306	93.3	288	87.8	
Health Board Total	1324	1261	95.2	1197	90.4	1163	87.8	1148	86.7	628	601	95.7	577	91.9	696	660	94.8	620	89.1	
Aneurin Bevan University HB																				
Blaenau Gwent LA	196	187	95.4	172	87.8	160	81.6	160	81.6	100	95	95.0	87	87.0	96	92	95.8	85	88.5	
Caerphilly LA	474	461	97.3	438	92.4	376	79.3	373	78.7	225	218	96.9	211	93.8	249	243	97.6	227	91.2	
Monmouthshire LA	262	238	90.8	217	82.8	199	76.0	197	75.2	128	118	92.2	109	85.2	134	120	89.6	108	80.6	
Newport LA	459	438	95.4	403	87.8	358	78.0	352	76.7	208	199	95.7	182	87.5	251	239	95.2	221	88.0	
Torfaen LA	248	240	96.8	229	92.3	196	79.0	195	78.6	115	113	98.3	107	93.0	133	127	95.5	122	91.7	
Health Board Total	1639	1564	95.4	1459	89.0	1289	78.6	1277	77.9	776	743	95.7	696	89.7	863	821	95.1	763	88.4	
Betsi Cadwaladr University HB																				
Anglesey LA	152	144	94.7	140	92.1	116	76.3	117	77.0	76	71	93.4	68	89.5	76	73	96.1	72	94.7	
Conwy LA	300	281	93.7	261	87.0	256	85.3	245	81.7	148	141	95.3	131	88.5	152	140	92.1	130	85.5	
Denbighshire LA	261	243	93.1	223	85.4	227	87.0	216	82.8	138	132	95.7	124	89.9	123	111	90.2	99	80.5	
Flintshire LA	391	379	96.9	365	93.4	335	85.7	334	85.4	176	173	98.3	168	95.5	215	206	95.8	197	91.6	
Gwynedd LA	298	285	95.6	277	93.0	250	83.9	254	85.2	142	137	96.5	132	93.0	156	148	94.9	145	92.9	
Wrexham LA	353	340	96.3	327	92.6	285	80.7	274	77.6	178	170	95.5	163	91.6	175	170	97.1	164	93.7	
Health Board Total	1755	1672	95.3	1593	90.8	1469	83.7	1440	82.1	858	824	96.0	786	91.6	897	848	94.5	807	90.0	
Cardiff and Vale University HB																				
Cardiff LA	882	828	93.9	782	88.7	668	75.7	137	15.5	448	421	94.0	401	89.5	434	407	93.8	381	87.8	
Vale of Glamorgan LA	359	347	96.7	325	90.5	302	84.1	66	18.4	187	183	97.9	171	91.4	172	164	95.3	154	89.5	
Health Board Total	1241	1175	94.7	1107	89.2	970	78.2	203	16.4	635	604	95.1	572	90.1	606	571	94.2	535	88.3	
Cwm Taf University HB																				
Merthyr Tydfil LA	172	168	97.7	155	90.1	154	89.5	152	88.4	87	85	97.7	80	92.0	85	83	97.6	75	88.2	
Rhondda Cynon Taf LA	624	604	96.8	573	91.8	568	91.0	567	90.9	296	287	97.0	274	92.6	328	317	96.6	299	91.2	
Health Board Total	796	772	97.0	728	91.5	722	90.7	719	90.3	383	372	97.1	354	92.4	413	400	96.9	374	90.6	
Hywel Dda University HB																				
Carmarthenshire LA	370	350	94.6	331	89.5	307	83.0	304	82.2	186	177	95.2	168	90.3	184	173	94.0	163	88.6	
Ceredigion LA	154	151	98.1	142	92.2	138	89.6	135	87.7	73	73	100.0	69	94.5	81	78	96.3	73	90.1	
Pembrokeshire LA	325	309	95.1	289	88.9	260	80.0	254	78.2	165	157	95.2	149	90.3	160	152	95.0	140	87.5	
Health Board Total	849	810	95.4	762	89.8	705	83.0	693	81.6	424	407	96.0	386	91.0	425	403	94.8	376	88.5	
Powys Teaching HB	311	289	92.9	265	85.2	245	78.8	223	71.7	152	138	90.8	128	84.2	159	151	95.0	137	86.2	
Unknown	40	34	85.0	33	82.5	30	75.0	28	70.0	12	11	91.7	10	83.3	28	23	82.1	23	82.1	
Wales Total	7955	7577	95.2	7144	89.8	6593	82.9	5731	72.0	3868	3700	95.7	3509	90.7	4087	3877	94.9	3635	88.9	

¹ Teenage booster dose of diphtheria, tetanus and polio (diphtheria used as proxy)

² MenC teenage booster

Table 9. MMR and Td/IPV vaccine uptake in children reaching their 16th birthday between 01/01/15 and 31/03/15 and resident on 31/03/15 (with breakdown of MMR1 and MMR2 coverage by sex).

Area	Resident children		MMR1		MMR2		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)	(%)		
<u>Abertawe Bro Morgannwg University HB</u>	(n)	(n)	(%)	(n)	(%)	(n)	(%)	(n)	(n)	(n)	(%)	(n)	(%)	(n)	(n)	(%)	(n)	(%)		
Bridgend LA	410	395	96.3	374	91.2	300	73.2	186	180	96.8	169	90.9	224	215	96.0	205	91.5			
Neath Port Talbot LA	392	383	97.7	360	91.8	332	84.7	190	187	98.4	174	91.6	202	196	97.0	186	92.1			
Swansea LA	624	603	96.6	555	88.9	528	84.6	299	290	97.0	269	90.0	325	313	96.3	286	88.0			
Health Board Total	1426	1381	96.8	1289	90.4	1160	81.3	675	657	97.3	612	90.7	751	724	96.4	677	90.1			
<u>Aneurin Bevan University HB</u>																				
Blaenau Gwent LA	194	190	97.9	184	94.8	157	80.9	102	102	100.0	98	96.1	92	88	95.7	86	93.5			
Caerphilly LA	509	493	96.9	470	92.3	410	80.6	272	261	96.0	251	92.3	237	232	97.9	219	92.4			
Monmouthshire LA	279	248	88.9	236	84.6	216	77.4	144	133	92.4	124	86.1	135	115	85.2	112	83.0			
Newport LA	453	431	95.1	415	91.6	359	79.2	239	232	97.1	225	94.1	214	199	93.0	190	88.8			
Torfaen LA	260	254	97.7	245	94.2	210	80.8	130	128	98.5	123	94.6	130	126	96.9	122	93.8			
Health Board Total	1695	1616	95.3	1550	91.4	1352	79.8	887	856	96.5	821	92.6	808	760	94.1	729	90.2			
<u>Betsi Cadwaladr University HB</u>																				
Anglesey LA	183	174	95.1	169	92.3	152	83.1	69	66	95.7	64	92.8	114	108	94.7	105	92.1			
Conwy LA	283	269	95.1	259	91.5	251	88.7	146	138	94.5	135	92.5	135	130	96.3	124	91.9			
Denbighshire LA	266	249	93.6	230	86.5	216	81.2	138	127	92.0	113	81.9	128	122	95.3	117	91.4			
Flintshire LA	399	388	97.2	370	92.7	341	85.5	171	168	98.2	161	94.2	228	220	96.5	209	91.7			
Gwynedd LA	323	312	96.6	301	93.2	277	85.8	168	161	95.8	158	94.0	155	151	97.4	143	92.3			
Wrexham LA	312	299	95.8	291	93.3	258	82.7	140	131	93.6	128	91.4	172	168	97.7	163	94.8			
Health Board Total	1766	1691	95.8	1620	91.7	1495	84.7	832	791	95.1	759	91.2	932	899	96.5	861	92.4			
<u>Cardiff and Vale University HB</u>																				
Cardiff LA	854	797	93.3	740	86.7	662	77.5	385	367	95.3	340	88.3	468	429	91.7	400	85.5			
Vale of Glamorgan LA	358	342	95.5	320	89.4	305	85.2	168	161	95.8	150	89.3	190	181	95.3	170	89.5			
Health Board Total	1212	1139	94.0	1060	87.5	967	79.8	553	528	95.5	490	88.6	658	610	92.7	570	86.6			
<u>Cwm Taf University HB</u>																				
Merthyr Tydfil LA	147	140	95.2	134	91.2	130	88.4	68	63	92.6	59	86.8	79	77	97.5	75	94.9			
Rhondda Cynon Taf LA	608	594	97.7	564	92.8	545	89.6	306	299	97.7	285	93.1	302	295	97.7	279	92.4			
Health Board Total	755	734	97.2	698	92.5	675	89.4	374	362	96.8	344	92.0	381	372	97.6	354	92.9			
<u>Hywel Dda University HB</u>																				
Carmarthenshire LA	394	381	96.7	365	92.6	322	81.7	199	190	95.5	186	93.5	195	191	97.9	179	91.8			
Ceredigion LA	156	151	96.8	143	91.7	139	89.1	79	76	96.2	73	92.4	77	75	97.4	70	90.9			
Pembrokeshire LA	349	324	92.8	299	85.7	260	74.5	156	146	93.6	134	85.9	193	178	92.2	165	85.5			
Health Board Total	899	856	95.2	807	89.8	721	80.2	434	412	94.9	393	90.6	465	444	95.5	414	89.0			
<u>Powys Teaching HB</u>	378	354	93.7	344	91.0	297	78.6	191	183	95.8	176	92.1	187	171	91.4	168	89.8			
Unknown	38	29	76.3	27	71.1	27	71.1	12	10	83.3	10	83.3	26	19	73.1	17	65.4			
Wales Total	8169	7800	95.5	7395	90.5	6694	81.9	3958	3799	96.0	3605	91.1	4208	3999	95.0	3790	90.1			

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 01/09/14 and 31/08/15 and resident on 31/03/15.

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	729	687	94.2	682	93.6	673	92.3	766	699	91.3	696	90.9	693	90.5	787	724	92.0	720	91.5	711	90.3
Neath Port Talbot LA	650	612	94.2	606	93.2	598	92.0	726	666	91.7	660	90.9	659	90.8	774	736	95.1	732	94.6	722	93.3
Swansea LA	1207	1104	91.5	1096	90.8	1073	88.9	1161	1051	90.5	1043	89.8	1032	88.9	1254	1135	90.5	1124	89.6	1107	88.3
Health Board Total	2586	2403	92.9	2384	92.2	2344	90.6	2653	2416	91.1	2399	90.4	2384	89.9	2815	2595	92.2	2576	91.5	2540	90.2
Aneurin Bevan UHB																					
Blaenau Gwent LA	371	346	93.3	341	91.9	332	89.5	379	361	95.3	361	95.3	355	93.7	400	368	92.0	362	90.5	358	89.5
Caerphilly LA	926	838	90.5	834	90.1	823	88.9	996	928	93.2	922	92.6	916	92.0	1026	949	92.5	936	91.2	915	89.2
Monmouthshire LA	537	431	80.3	425	79.1	419	78.0	525	413	78.7	410	78.1	404	77.0	505	387	76.6	383	75.8	378	74.9
Newport LA	874	772	88.3	761	87.1	740	84.7	940	814	86.6	804	85.5	789	83.9	996	857	86.0	846	84.9	837	84.0
Torfaen LA	471	422	89.6	416	88.3	400	84.9	538	492	91.4	490	91.1	478	88.8	575	521	90.6	522	90.8	518	90.1
Health Board Total	3179	2809	88.4	2777	87.4	2714	85.4	3378	3008	89.0	2987	88.4	2942	87.1	3502	3082	88.0	3049	87.1	3006	85.8
Betsi Cadwaladr UHB																					
Anglesey LA	344	308	89.5	305	88.7	299	86.9	362	322	89.0	319	88.1	308	85.1	356	332	93.3	329	92.4	327	91.9
Conwy LA	589	526	89.3	527	89.5	518	87.9	591	535	90.5	532	90.0	530	89.7	559	514	91.9	514	91.9	504	90.2
Denbighshire LA	500	439	87.8	436	87.2	432	86.4	549	489	89.1	488	88.9	486	88.5	529	487	92.1	483	91.3	475	89.8
Flintshire LA	806	734	91.1	724	89.8	706	87.6	788	720	91.4	715	90.7	706	89.6	833	763	91.6	759	91.1	749	89.9
Gwynedd LA	606	539	88.9	535	88.3	534	88.1	645	576	89.3	570	88.4	558	86.5	607	537	88.5	534	88.0	531	87.5
Wrexham LA	704	621	88.2	617	87.6	612	86.9	675	605	89.6	605	89.6	604	89.5	715	652	91.2	649	90.8	647	90.5
Health Board Total	3549	3167	89.2	3144	88.6	3101	87.4	3610	3247	89.9	3229	89.4	3192	88.4	3599	3285	91.3	3268	90.8	3233	89.8
Cardiff & Vale UHB																					
Cardiff LA	1751	1546	88.3	1528	87.3	1425	81.4	1794	1583	88.2	1556	86.7	1468	81.8	1903	1620	85.1	1595	83.8	1518	79.8
Vale of Glamorgan LA	693	644	92.9	641	92.5	606	87.4	721	657	91.1	653	90.6	630	87.4	813	675	83.0	660	81.2	625	76.9
Health Board Total	2444	2190	89.6	2169	88.7	2031	83.1	2515	2240	89.1	2209	87.8	2098	83.4	2716	2295	84.5	2255	83.0	2143	78.9
Cwm Taf UHB																					
Merthyr Tydfil LA	311	289	92.9	287	92.3	283	91.0	305	283	92.8	280	91.8	279	91.5	334	305	91.3	305	91.3	301	90.1
Rhondda Cynon Taf LA	1179	1124	95.3	1118	94.8	1109	94.1	1236	1178	95.3	1172	94.8	1162	94.0	1284	1219	94.9	1207	94.0	1185	92.3
Health Board Total	1490	1413	94.8	1405	94.3	1392	93.4	1541	1461	94.8	1452	94.2	1441	93.5	1618	1524	94.2	1512	93.4	1486	91.8
Hywel Dda UHB																					
Cardiff LA	734	655	89.2	652	88.8	644	87.7	803	740	92.2	739	92.0	735	91.5	835	752	90.1	748	89.6	743	89.0
Ceredigion LA	314	273	86.9	271	86.3	268	85.4	307	267	87.0	264	86.0	260	84.7	338	288	85.2	286	84.6	279	82.5
Pembrokeshire LA	611	537	87.9	533	87.2	520	85.1	654	574	87.8	562	85.9	539	82.4	635	555	87.4	550	86.6	539	84.9
Health Board Total	1659	1465	88.3	1456	87.8	1432	86.3	1764	1581	89.6	1565	88.7	1534	87.0	1808	1595	88.2	1584	87.6	1561	86.3
Powys Teaching LHB	643	531	82.6	520	80.9	508	79.0	722	606	83.9	601	83.2	591	81.9	700	591	84.4	586	83.7	575	82.1
Unknown	72	59	81.9	58	80.6	57	79.2	78	59	75.6	59	75.6	59	75.6	99	68	68.7	66	66.7	66	66.7
Wales Total	15622	14037	89.9	13913	89.1	13579	86.9	16261	14618	89.9	14501	89.2	14241	87.6	16857	15035	89.2	14896	88.4	14610	86.7

Table 11. Uptake of BCG immunisation in children reaching their 1st, 2nd, 5th and 16th birthdays between 01/01/15 and 31/03/15 and resident on 31/03/15.

Area	1 yr			2 yrs			5 yrs			16 yrs		
	Resident children	BCG Immunised	(%)	Resident children	BCG Immunised	(%)	Resident children	BCG Immunised	(%)	Resident children	BCG Immunised	(%)
Abertawe Bro Morgannwg University HB	(n)	(n)	(%)	(n)	(n)	(%)	(n)	(n)	(%)	(n)	(n)	(%)
Bridgend LA	355	18	5.1	369	12	3.3	443	12	2.7	410	7	1.7
Neath Port Talbot LA	346	11	3.2	366	8	2.2	379	12	3.2	392	6	1.5
Swansea LA	607	58	9.6	581	60	10.3	717	80	11.2	624	23	3.7
Health Board Total	1308	87	6.7	1316	80	6.1	1539	104	6.8	1426	36	2.5
Aneurin Bevan University HB												
Blaenau Gwent LA	216	4	1.9	205	6	2.9	193	3	1.6	194	2	1.0
Caerphilly LA	511	12	2.3	490	9	1.8	540	15	2.8	509	4	0.8
Monmouthshire LA	204	7	3.4	224	6	2.7	235	9	3.8	279	4	1.4
Newport LA	433	61	14.1	488	65	13.3	472	75	15.9	453	23	5.1
Torfaen LA	257	5	1.9	260	10	3.8	243	5	2.1	260	3	1.2
Health Board Total	1621	89	5.5	1667	96	5.8	1683	107	6.4	1695	36	2.1
Betsi Cadwaladr University HB												
Anglesey LA	176	6	3.4	187	6	3.2	197	8	4.1	183	4	2.2
Conwy LA	268	14	5.2	273	7	2.6	319	13	4.1	283	12	4.2
Denbighshire LA	281	19	6.8	245	10	4.1	272	14	5.1	266	12	4.5
Flintshire LA	358	12	3.4	401	14	3.5	421	14	3.3	399	9	2.3
Gwynedd LA	286	15	5.2	314	17	5.4	296	11	3.7	323	8	2.5
Wrexham LA	391	27	6.9	374	24	6.4	401	23	5.7	312	11	3.5
Health Board Total	1760	93	5.3	1794	78	4.3	1906	83	4.4	1766	56	3.2
Cardiff and Vale University HB												
Cardiff LA	1107	194	17.5	1108	204	18.4	1134	237	20.9	854	115	13.5
Vale of Glamorgan LA	308	18	5.8	354	10	2.8	392	14	3.6	358	11	3.1
Health Board Total	1415	212	15.0	1462	214	14.6	1526	251	16.4	1212	126	10.4
Cwm Taf Univeristy HB												
Merthyr Tydfil LA	156	10	6.4	167	9	5.4	157	7	4.5	147	4	2.7
Rhondda Cynon Taf LA	667	29	4.3	697	19	2.7	724	20	2.8	608	6	1.0
Health Board Total	823	39	4.7	864	28	3.2	881	27	3.1	755	10	1.3
Hywel Dda University HB												
Carmarthenshire LA	470	20	4.3	430	16	3.7	465	10	2.2	394	42	10.7
Ceredigion LA	159	3	1.9	171	8	4.7	176	12	6.8	156	7	4.5
Pembrokeshire LA	323	8	2.5	297	5	1.7	316	12	3.8	349	1	0.3
Health Board Total	952	31	3.3	898	29	3.2	957	34	3.6	899	50	5.6
Powys Teaching Health Board	291	7	2.4	306	7	2.3	276	9	3.3	378	6	1.6
Unknown	22	2	9.1	28	3	10.7	23	0	0.0	38	1	2.6
Wales Total	8192	560	6.8	8335	535	6.4	8791	615	7.0	8169	321	3.9

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.

Note: The figures above for uptake of BCG in Cardiff and Vale children aged one year significantly underestimate the true uptake due to a temporary data issue for BCG immunisations within Cardiff and Vale UHB. During the same period in 2014, the uptake of BCG immunisation in one year olds in Cardiff LA resident children was 17%.

Table 12. Uptake of hepatitis B immunisation in children born to hepatitis B positive mothers, reaching their 1st, 2nd and 5th birthdays during 01/01/15 and 31/03/15 and resident on 31/03/15.

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	1308	3	100.0	100.0	100.0	1316	0	-	-	-	-	1539	4	100.0	100.0	100.0	100.0
Aneurin Bevan UHB	1621	2	100.0	100.0	100.0	1667	3	100.0	100.0	100.0	100.0	1683	0	-	-	-	-
Betsi Cadwaladr UHB	1760	2	100.0	100.0	100.0	1794	0	-	-	-	-	1906	4	100.0	100.0	100.0	100.0
Cardiff and Vale UHB	1415	2	100.0	100.0	100.0	1462	6	100.0	100.0	100.0	100.0	1526	3	100.0	100.0	100.0	100.0
Cwm Taf UHB	823	0	-	-	-	864	0	-	-	-	-	881	0	-	-	-	-
Hywel Dda UHB	952	0	-	-	-	898	0	-	-	-	-	957	2	100.0	100.0	100.0	100.0
Powys Teaching HB	291	0	-	-	-	306	0	-	-	-	-	276	0	-	-	-	-
Unknown	22	1	0.0	0.0	0.0	28	0	-	-	-	-	23	0	-	-	-	-
Wales Total	8192	10	90.0	90.0	90.0	8335	9	100.0	100.0	100.0	100.0	8791	13	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.