

# Vaccine Uptake in Children in Wales January to March 2014

COVER 110: Wales June 2014



## Key points

- Uptake of all scheduled immunisations 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”.
- Uptake of the first dose of MMR vaccine in two year old children was 97%. Twenty LA areas and six Health Boards achieved the target of 95% uptake.
- This quarter, 87% of children were up to date with all routine immunisations by four years of age.
- Uptake of the second MMR dose by five years of age remained stable at 93% this quarter.
- Uptake of 4 in 1 pre-school booster in five year old children increased to 94% this quarter.
- Uptake of the first dose of Human Papillomavirus (HPV) vaccine in girls in the 2013-14 School Year 8 was 89%. Coverage of a complete three dose course in girls in the 2012-2013 School Year 8 was 86%.
- 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 increased to 90% this quarter.
- Coverage of the Td/IPV teenage booster was 81% in 16 year olds.

These results are for children living in Wales in March 2014 and reaching their first, second, fourth, fifth, 15<sup>th</sup> and 16<sup>th</sup> birthdays during the quarter 01/01/2014 to 31/03/2014. Uptake of HPV vaccination<sup>1</sup> in girls in the 2013-14 School Year 8 (reaching their 13<sup>th</sup> birthday between 01/09/2013 and 31/08/2014) is presented, along with coverage in the previous School Year 8 groups. BCG and hepatitis B immunisation uptake data are also presented here. BCG and hepatitis B immunisations are not part of the routine childhood schedule and are given selectively following risk assessment; further information on circumstances in which these immunisations should be given can be found in: Immunisation Against Infectious Disease (The Green Book, available from <http://immunisation.dh.gov.uk/category/the-green-book/>). 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/Hib<sup>2</sup> vaccine, scheduled at 2, 3 and 4 months of age, in children reaching their first birthday this quarter decreased to 96.3% compared to 96.5% last quarter. Uptake ranged by Health Board from 93.6% to 97.7% and by Local Authority (LA) from 93.2% (Cardiff) to 98.8% (Merthyr Tydfil). Nineteen of the 22 LA areas achieved the target 95% uptake (Figures 3 and 5, Tables 2 and 3).
2. Following changes to the childhood immunisation schedule in June 2013, a completed Men C primary course is one dose of Men C vaccine at three months of age. Data presented are based on a completed one dose primary course although a proportion of children reaching one year of age during this quarter would have been eligible to receive a second Men C dose at four months of age under the previous childhood immunisation schedule for Men C. National uptake of a completed one dose course of MenC<sup>3</sup> vaccine

<sup>1</sup> HPV vaccination protects girls against cervical cancer associated with HPV types 16 and 18.

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

<sup>3</sup> Men C vaccine protects against meningitis caused by meningococcus group C infection. PCV protects against pneumococcal meningitis, bacteraemia, pneumonia and otitis media. Children reaching one year of age this quarter have been scheduled for the two dose course of pneumococcal conjugate vaccination (PCV) at two and

in children reaching their first birthday this quarter was 97.5%. Uptake in Health Boards ranged from 95.7% to 98.3% and ranged by LA from 95.2% (Ceredigion) to 99.2% (Bridgend and Denbighshire). All 22 LA areas achieved an uptake in excess of the 95% target (Figure 3, Tables 2 and 3).

3. Uptake of a complete two dose primary course of pneumococcal conjugate vaccination (PCV2<sup>2</sup>) in children reaching their first birthday was 96.0% this quarter (compared to 96.2% last quarter), ranging by LA from 92.2% (Cardiff) to 98.2% (Flintshire). Eighteen LA areas achieved the target 95% uptake (Figure 3, Table 3).
4. Uptake of the first dose of MMR<sup>4</sup> in children reaching their second birthday (scheduled at 12 to 13 months of age) was 96.7% this quarter (compared to 96.6% last quarter) and ranged by LA from 94.7% (Cardiff) to 98.5% (Torfaen) (Figures 3 and 6, Tables 2 and 4). Twenty LA areas achieved the target of 95% uptake.
5. Uptake of the final dose of Pneumococcal Conjugate Vaccine (PCVf, scheduled at 12 to 13 months of age) in children reaching their second birthday was 96.3% this quarter (compare to 96.4% last quarter). Uptake by LA ranged from 93.8% (Cardiff) to 98.5% (Torfaen) (Tables 2, 4). Nineteen LA areas achieved an uptake in excess of 95%.
6. Uptake of the Hib/MenC booster (given at 12 months of age) in children reaching two years of age remained stable at 95.4% during this quarter, ranging by LA from 92.5% (Cardiff) to 98.9% (Torfaen) (Tables 2, 4). Seventeen LA areas achieved uptakes in excess of 95%.
7. In children reaching four years of age this quarter, coverage of the 4 in 1 preschool booster was 90.1%, coverage of the Hib/MenC booster was 95.2% and uptake of two doses of MMR was 91.1% (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 87.2% this quarter from 87.5% last quarter (Table 1). This ranged by HB from 84.6% (Cardiff and Vale University HB) to 91.2% (Cwm Taf University HB) and by LA from 81.5% (Newport) to 92.6% (Gwynedd) (Figure 3).
8. In children reaching five years of age this quarter, coverage of one dose of MMR remained stable at 97.0%. Uptake of two doses of MMR increased to 93.0% (from 92.6% last quarter). Uptake of two doses of MMR ranged by Health Board from 90.0% (Powys Teaching HB) to 95.2% (Cwm Taf University HB) and by LA from 89.4% (Cardiff) to 95.8% (Swansea) (Figure 6, Table 6). Six LA areas, and one Health Board, exceeded 95% uptake for two doses of MMR by five years of age.
9. Uptake of the "4 in 1" DTaP/IPV<sup>5</sup> pre-school booster in children reaching their fifth birthday increased to 93.9% this quarter (from 93.7% last quarter), ranging by Health Board from 91.9% (Cardiff and Vale University HB) to 96.2% (Cwm Taf University HB) and by LA from 90.6% (Cardiff) to 96.4% (Rhondda Cynon Taf) (Tables 2, 6). Nine LA areas achieved the 95% uptake target (Figure 8).
10. Coverage of a two dose primary course of MenC in children reaching their fifth birthday this quarter decreased to 94.2% this quarter compared to 94.7% last quarter (Table 6). Coverage ranged by Health Board from 91.1% (Cardiff and Vale University HB) to 97.1% (Cwm Taf University HB) and by LA from 87.1% (Ceredigion) to 98.2% (Blaenau Gwent).
11. Uptake of the first dose of HPV vaccine in girls in the 2013-14 School Year 8 was 88.8% (Table 7), uptake of two doses was 84.4%, and uptake of three doses was 40.5%. Vaccination sessions for the third dose and data entry are likely not to have been complete when data for this report were extracted, as a result uptake for the third dose is expected to increase. Coverage of HPV vaccination in 2012-13 School Year 8 group was at 89.7%, 88.8% and 86.1% for one, two and three doses respectively (Table 7). This represents end

---

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.

of year figures for the 2012-13 routine HPV campaign, although coverage may increase as girls who have missed out on vaccination are given to opportunity to catch up.

12. Coverage of two doses of MMR in children reaching 16 years of age this quarter was 90.1% (compared to 89.2% last quarter), ranging by LA from 84.7% (Monmouthshire) to 94.5% (Gwynedd) (Tables 2 and 9). Coverage of one dose of MMR was 95.4% (compared to 94.8% last quarter), ranging by LA from 90.5% (Monmouthshire) to 98.5% (Gwynedd). Coverage of a full course (two doses of MMR) of immunisation against rubella in 16 year old girls this quarter was 90.2% and coverage of only one dose was 95.3%.
13. National uptake of the Td/IPV<sup>6</sup> teenage booster in children reaching 16 years of age this quarter was 81.1% (Table 9), ranging by LA from 73.6% (Monmouthshire) to 89.9% (Gwynedd).
14. Coverage of a complete three dose course of HPV vaccine in girls reaching their 15<sup>th</sup> birthday during 01/09/13 to 31/08/14 (the 2013-14 year 10) is currently 87.3%. Coverage of a complete three dose course of HPV vaccine in girls reaching their 16<sup>th</sup> 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 17<sup>th</sup> birthday during 01/09/13 to 31/08/14 (2013-14 year 12) is currently 83.9% (Table 10).
15. Uptake of BCG<sup>7</sup> 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 6.0%, 6.9%, 7.5% and 2.9% of children reaching their first, second, fifth and 16<sup>th</sup> birthdays (respectively) during quarter one 2014. Highest proportions of children given BCG by one and two years of age this quarter were seen in Cardiff, Newport and Swansea LA's<sup>8</sup>.
16. 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 100%. Uptake of four doses in children who were at risk of perinatal infection and reached their fifth birthday this quarter was 100%.

---

<sup>4</sup> MMR protects against measles, mumps and rubella infections.

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

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

<sup>7</sup> BCG protects against tuberculosis infection.

<sup>8</sup> Numbers of eligible children for BCG are not known

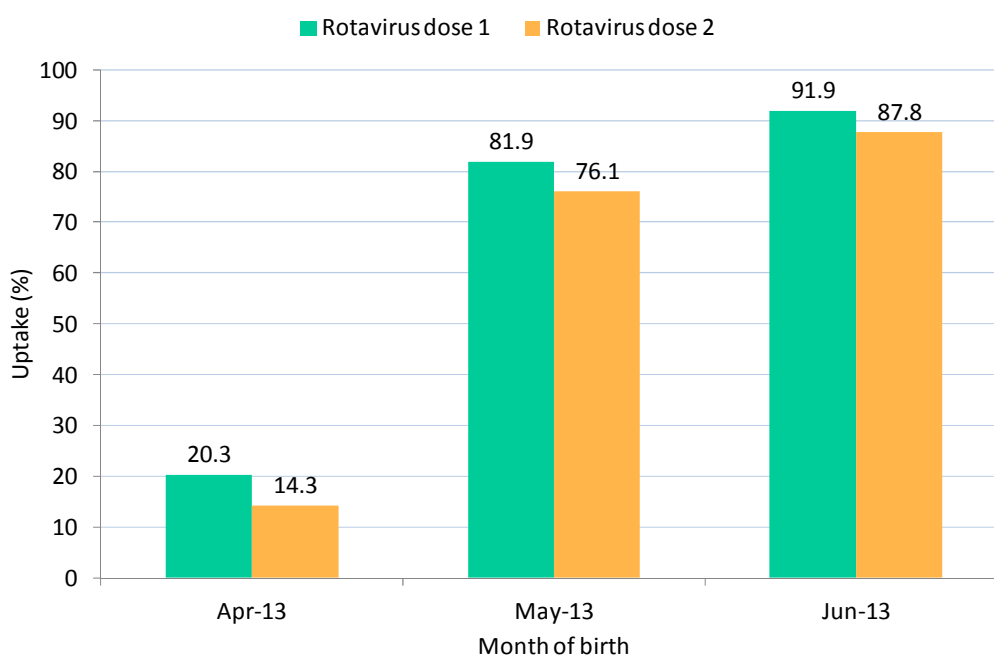
## Comment

Trends in immunisation uptake continued to be positive this quarter. Uptake of all scheduled immunisations in children less than one year of age exceeded 95%. A sustained increase in uptake of the “4 in 1” DTaP/IPV pre-school booster in five year old children continued this quarter. Coverage of a completed two dose course of MMR continued to progress towards the 95% uptake target in children reaching their 5<sup>th</sup> birthday and, uptake of one dose of MMR in children aged 16 exceeded 95%, with over 90% of 16 year olds being immunised with two doses of MMR in Wales.

This quarter, Men C coverage in children reaching their first birthday represents uptake of one dose of Men C vaccine at 3 months of age following the removal of the 2<sup>nd</sup> dose at 4 months of age from the schedule on 1<sup>st</sup> June 2013 [1]. For the first time, uptake of hepatitis B immunisation in children is reported using an alternative source of data, the Public Health Wales All Wales Neonatal Hepatitis B Immunisation database. This data source provides more robust data on uptake of hepatitis B vaccination in babies born to hepatitis B positive mothers. An uptake of 100% for three doses of hepatitis B in one year olds and four doses of hepatitis B in two and five year olds was achieved.

On 1st July 2013, rotavirus vaccination was introduced to the routine schedule in Wales [2]. Uptake of one dose of rotavirus vaccine in children reaching 9 months of age this quarter is 64.6% with an uptake of two doses at 59.2%. Figure 1 shows uptake of the first and second doses of rotavirus vaccine by month of birth. For those children born in April 2013, a large proportion would have been approaching the upper age limit of being eligible to receive the first dose of the vaccine when it was introduced, and therefore, did not have the same follow-up opportunity as children that were born in subsequent months. This shows that rotavirus uptake is very promising with uptake for the first dose peaking at 91.9% and uptake of the second dose at just below 90%. The increasing trend in rotavirus uptake is similar to increases in uptake seen during the introduction of other, now established vaccinations in the universal childhood schedule. The next quarterly COVER report will present the first full cohort of children that would have been eligible to be offered rotavirus vaccination.

**Figure 1** Uptake of one and two doses of rotavirus vaccine by month of birth for children reaching 9 months of age between 01/01/14 and 31/03/14 and resident on 31/03/2014.



[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>

[2] 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>

### **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.

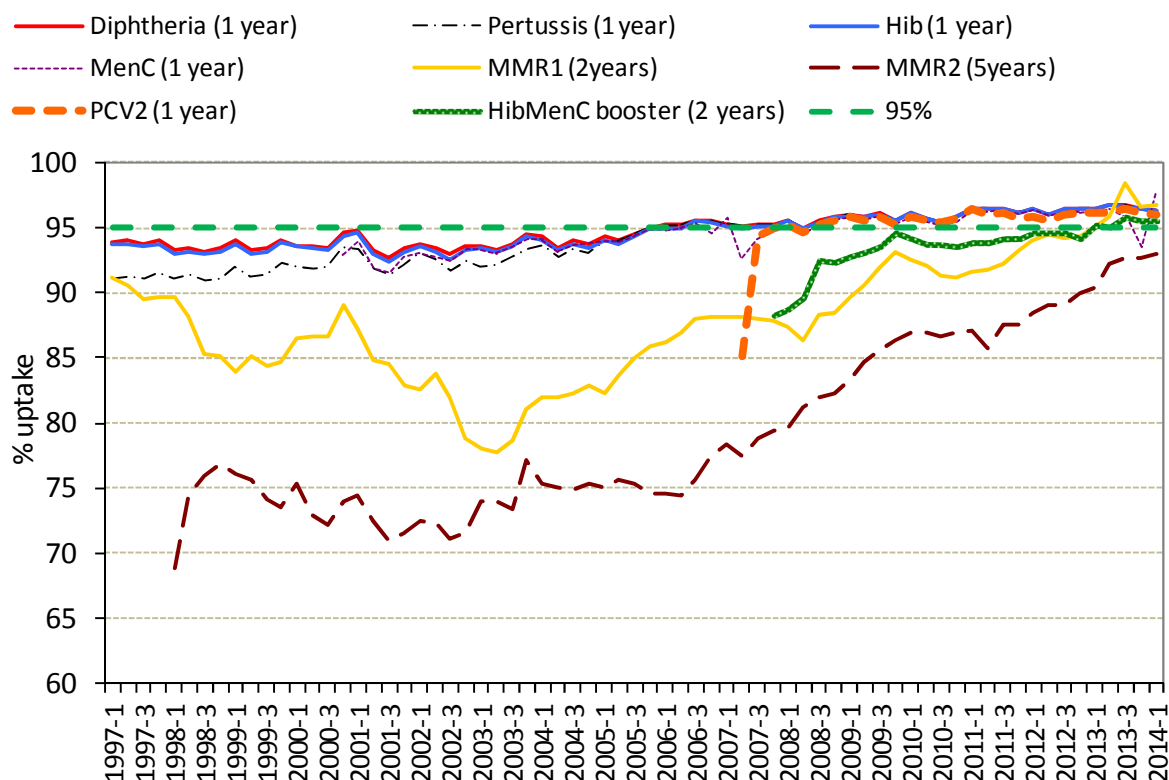
#### **Suggested citation for this report:**

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

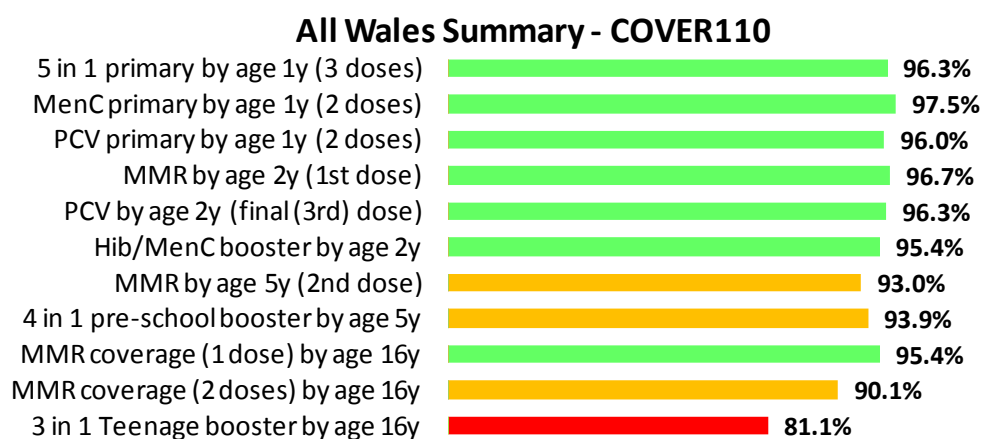
If you have any questions or suggestions on COVER reporting in Wales, please contact:

[surveillance.requests@wales.nhs.uk](mailto:surveillance.requests@wales.nhs.uk)

**Figure 2.** Percentage uptake of childhood immunisations<sup>9</sup> in Wales, quarter 1 1997 to quarter 1 2014. Data are for children reaching 1 year of age each quarter for diphtheria, pertussis, Hib, MenC<sup>10</sup> 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).

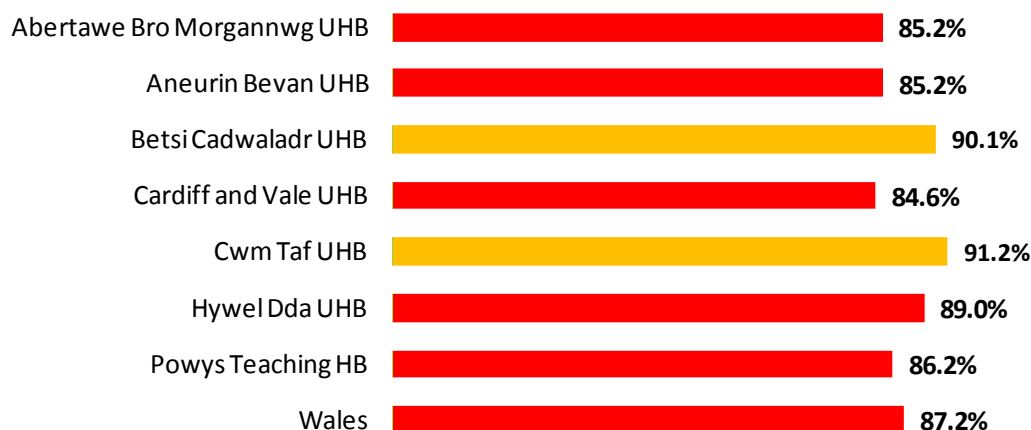


**Figure 3.** Summary of uptake rates for selected immunisations<sup>9</sup> in resident children reaching their 1st, 2nd, 5th and 16th birthday between 01/01/14 and 31/03/14 and resident on 31/03/14.



<sup>9</sup> Men C uptake for children reaching one year of age this quarter is based on a completed one dose course of Men C vaccination. This is due to the Men C programme change in June 2013 from a two dose Men C 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 Men C uptake is expected due to the removal of the 4 month dose.

**Figure 4.** Percentage uptake of resident children reaching their 4<sup>th</sup> birthday between 01/01/14 and 31/03/14 and are up to date with all scheduled vaccines<sup>10</sup> by Health Board.

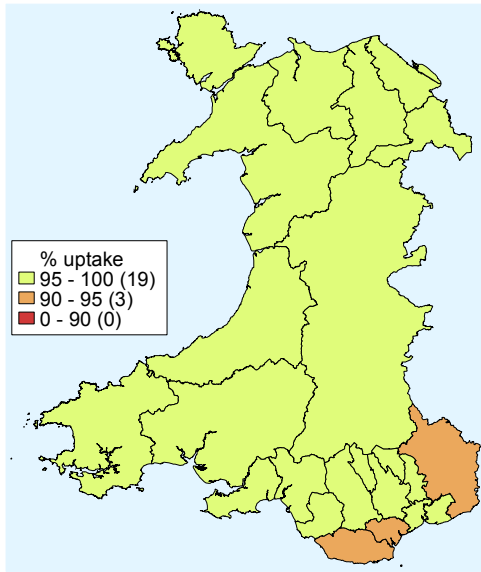


**Table 1.** Percentage uptake of resident children reaching their 4<sup>th</sup> birthday between 01/01/13 and 31/03/14 and are up to date with all scheduled vaccines<sup>10</sup> by Health Board, quarter 1 2013 to quarter 1 2014.

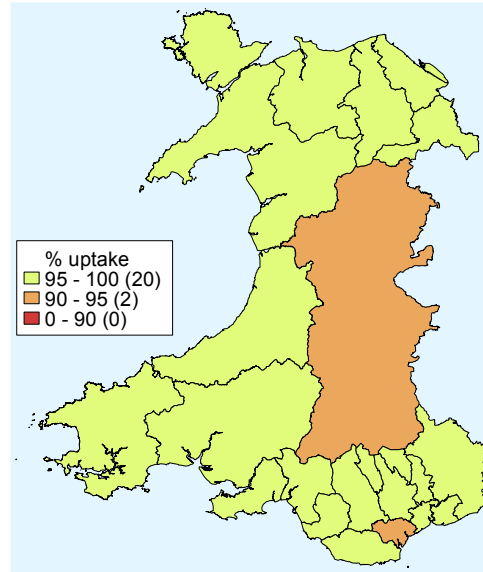
Area	Up to date in schedule				
	2013-1	2013-2	2013-3	2013-4	2014-1
Abertawe Bro Morgannwg UHB	83.8	85.9	87.3	86.7	85.2
Aneurin Bevan UHB	81.9	84.0	86.6	86.1	85.2
Betsi Cadwaladr UHB	85.8	87.3	88.1	90.5	90.1
Cardiff and Vale UHB	79.5	84.0	86.0	84.3	84.6
Cwm Taf UHB	86.3	88.8	89.7	89.9	91.2
Hywel Dda UHB	82.7	86.3	86.2	87.2	89.0
Powys Teaching HB	82.6	81.5	86.4	90.2	86.2
<b>Wales</b>	<b>83.2</b>	<b>85.7</b>	<b>87.2</b>	<b>87.5</b>	<b>87.2</b>

<sup>10</sup> 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.

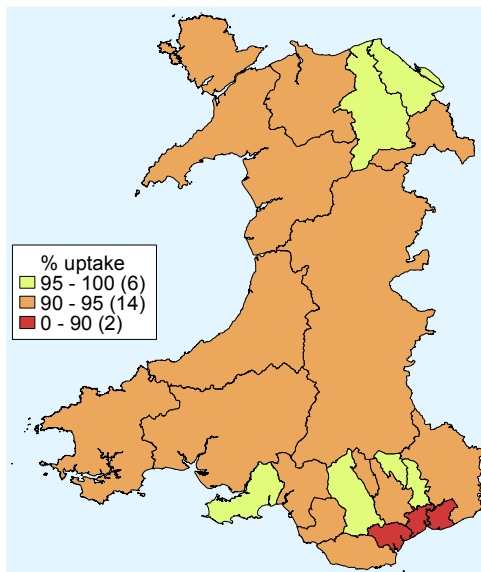
**Figure 5.** Uptake of 5 in 1 vaccine in Welsh Local Authority areas in children reaching their 1<sup>st</sup> birthday between 01/01/14 and 31/03/14.



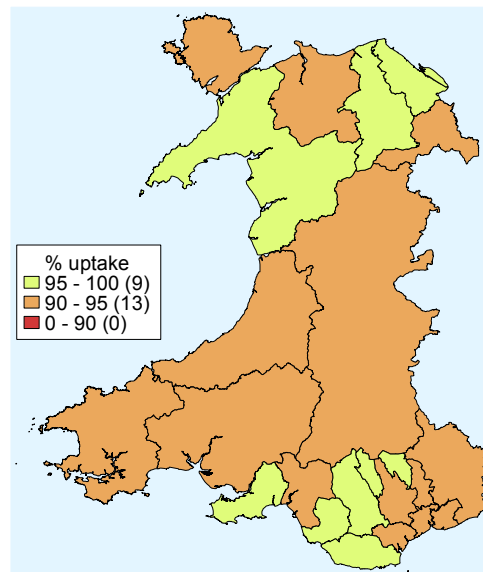
**Figure 6.** Uptake of at least 1 dose of MMR immunisation in Welsh Local Authority areas in children reaching their 2<sup>nd</sup> birthday between 01/01/14 and 31/03/14.



**Figure 7.** Uptake of two doses of MMR vaccine in Welsh Local Authority areas in children reaching their 5<sup>th</sup> birthday between 01/01/14 and 31/03/14.



**Figure 8.** Uptake of 4 in 1 vaccine in Welsh Local Authority areas in children reaching their 5<sup>th</sup> birthday between 01/01/14 and 31/03/14.



**Table 2.** Summary table with uptake of selected immunisations in resident children reaching their 1st, 2nd, 4th, 5th and 16th birthday between 01/01/14 and 31/03/14 and resident on 31/03/14.

Area	Age 1 year			Age 2 years				Age 4 years		Age 5 years			Age 16 years			
	Resident children (n)	5 in 1* (n) (%)	MenC** (n) (%)	Resident children (n)	MMR1 (n) (%)	PCV† (n) (%)	Hib/MenC booster (n) (%)	Resident children (n)	Up to date in schedule*** (%)	Resident children (n)	MMR2 (n) (%)	4 in 1* (n) (%)	Resident children (n)	MMR1 (n) (%)	MMR2 (n) (%)	3 in 1 Teenage booster**** (n) (%)
<b>Abertawe Bro Morgannwg UHB</b>																
Bridgend LA	376	364 96.8	373 99.2	385	378 98.2	375 97.4	374 97.1	373	83.8	344	326 94.8	330 95.9	403	394 97.8	366 90.8	323 80.1
Neath Port Talbot LA	371	358 96.5	363 97.8	383	371 96.9	365 95.3	364 95.0	329	85.5	340	315 92.6	316 92.9	355	344 96.9	324 91.3	303 85.4
Swansea LA	587	571 97.3	575 98.0	728	709 97.4	703 96.6	694 95.3	615	85.9	649	622 95.8	623 96.0	609	586 96.2	552 90.6	518 85.1
<b>Health Board Total</b>	<b>1334</b>	<b>1293 96.9</b>	<b>1311 98.3</b>	<b>1496</b>	<b>1458 97.5</b>	<b>1443 96.5</b>	<b>1432 95.7</b>	<b>1317</b>	<b>85.2</b>	<b>1333</b>	<b>1263 94.7</b>	<b>1269 95.2</b>	<b>1367</b>	<b>1324 96.9</b>	<b>1242 90.9</b>	<b>1144 83.7</b>
<b>Aneurin Bevan UHB</b>																
Blaenau Gwent LA	212	207 97.6	210 99.1	168	164 97.6	162 96.4	161 95.8	171	88.1	163	156 95.7	157 96.3	220	213 96.8	202 91.8	188 85.5
Caerphilly LA	488	478 98.0	477 97.7	496	488 98.4	485 97.8	481 97.0	474	87.5	493	461 93.5	458 92.9	531	507 95.5	485 91.3	416 78.3
Monmouthshire LA	212	201 94.8	202 95.3	227	216 95.2	218 96.0	216 95.2	193	86.9	221	206 93.2	205 92.8	295	267 90.5	250 84.7	217 73.6
Newport LA	480	459 95.6	465 96.9	460	440 95.7	436 94.8	429 93.3	378	81.5	456	408 89.5	414 90.8	482	459 95.2	425 88.2	376 78.0
Torfaen LA	260	253 97.3	256 98.5	273	269 98.5	269 98.5	270 98.9	204	83.6	275	262 95.3	261 94.9	294	283 96.3	264 89.8	225 76.5
<b>Health Board Total</b>	<b>1652</b>	<b>1598 96.7</b>	<b>1610 97.5</b>	<b>1624</b>	<b>1577 97.1</b>	<b>1570 96.7</b>	<b>1557 95.9</b>	<b>1420</b>	<b>85.2</b>	<b>1608</b>	<b>1493 92.8</b>	<b>1495 93.0</b>	<b>1822</b>	<b>1729 94.9</b>	<b>1626 89.2</b>	<b>1422 78.0</b>
<b>Betsi Cadwaladr University UHB</b>																
Anglesey LA	190	186 97.9	188 98.9	196	191 97.4	192 98.0	191 97.4	167	84.8	204	188 92.2	191 93.6	198	189 95.5	180 90.9	170 85.9
Conwy LA	266	254 95.5	260 97.7	283	274 96.8	274 96.8	271 95.8	279	90.0	297	273 91.9	276 92.9	313	302 96.5	290 92.7	273 87.2
Denbighshire LA	245	240 98.0	243 99.2	245	238 97.1	236 96.3	237 96.7	229	85.1	246	234 95.1	236 95.9	258	252 97.7	243 94.2	223 86.4
Flintshire LA	391	382 97.7	387 99.0	405	398 98.3	397 98.0	395 97.5	366	92.2	429	410 95.6	411 95.8	436	424 97.2	410 94.0	377 86.5
Gwynedd LA	314	305 97.1	303 96.5	327	318 97.2	320 97.9	318 97.2	274	92.6	321	298 92.8	308 96.0	327	322 98.5	309 94.5	294 89.9
Wrexham LA	380	366 96.3	374 98.4	413	402 97.3	402 97.3	395 95.6	369	92.3	385	362 94.0	362 94.0	333	327 98.2	314 94.3	267 80.2
<b>Health Board Total</b>	<b>1786</b>	<b>1733 97.0</b>	<b>1755 98.3</b>	<b>1869</b>	<b>1821 97.4</b>	<b>1821 97.4</b>	<b>1807 96.7</b>	<b>1684</b>	<b>90.1</b>	<b>1882</b>	<b>1765 93.8</b>	<b>1784 94.8</b>	<b>1865</b>	<b>1816 97.4</b>	<b>1746 93.6</b>	<b>1604 86.0</b>
<b>Cardiff and Vale University UHB</b>																
Cardiff LA	1107	1032 93.2	1060 95.8	1183	1120 94.7	1110 93.8	1094 92.5	937	82.7	1133	1013 89.4	1026 90.6	953	882 92.5	825 86.6	702 73.7
Vale of Glamorgan LA	354	336 94.9	338 95.5	357	343 96.1	338 94.7	337 94.4	358	89.9	368	346 94.0	353 95.9	338	326 96.4	313 92.6	282 83.4
<b>Health Board Total</b>	<b>1461</b>	<b>1368 93.6</b>	<b>1398 95.7</b>	<b>1540</b>	<b>1463 95.0</b>	<b>1448 94.0</b>	<b>1431 92.9</b>	<b>1295</b>	<b>84.6</b>	<b>1501</b>	<b>1359 90.5</b>	<b>1379 91.9</b>	<b>1291</b>	<b>1208 93.6</b>	<b>1138 88.1</b>	<b>984 76.2</b>
<b>Cwm Taf UHB</b>																
Merthyr Tydfil LA	160	158 98.8	158 98.8	182	178 97.8	176 96.7	176 96.7	146	91.3	148	140 94.6	141 95.3	168	158 94.0	147 87.5	144 85.7
Rhondda Cynon Taff LA	696	677 97.3	682 98.0	660	643 97.4	644 97.6	639 96.8	663	91.2	687	655 95.3	662 96.4	632	613 97.0	588 93.0	530 83.9
<b>Health Board Total</b>	<b>856</b>	<b>835 97.5</b>	<b>840 98.1</b>	<b>842</b>	<b>821 97.5</b>	<b>820 97.4</b>	<b>815 96.8</b>	<b>809</b>	<b>91.2</b>	<b>835</b>	<b>795 95.2</b>	<b>803 96.2</b>	<b>800</b>	<b>771 96.4</b>	<b>735 91.9</b>	<b>674 84.3</b>
<b>Hwyel Dda UHB</b>																
Carmarthenshire LA	429	415 96.7	423 98.6	506	489 96.6	483 95.5	477 94.3	411	86.7	436	407 93.3	408 93.6	471	449 95.3	415 88.1	393 83.4
Ceredigion LA	166	158 95.2	158 95.2	156	151 96.8	149 95.5	149 95.5	161	92.5	155	142 91.6	144 92.9	156	151 96.8	137 87.8	130 83.3
Pembrokeshire LA	291	279 95.9	285 97.9	348	337 96.8	337 96.8	332 95.4	287	90.5	306	283 92.5	286 93.5	343	316 92.1	294 85.7	253 73.8
<b>Health Board Total</b>	<b>886</b>	<b>852 96.2</b>	<b>866 97.7</b>	<b>1010</b>	<b>977 96.7</b>	<b>969 95.9</b>	<b>958 94.9</b>	<b>859</b>	<b>89.0</b>	<b>897</b>	<b>832 92.8</b>	<b>838 93.4</b>	<b>970</b>	<b>916 94.4</b>	<b>846 87.2</b>	<b>776 80.0</b>
<b>Powys Teaching UHB</b>	<b>309</b>	<b>302 97.7</b>	<b>297 96.1</b>	<b>281</b>	<b>264 94.0</b>	<b>267 95.0</b>	<b>265 94.3</b>	<b>237</b>	<b>86.2</b>	<b>289</b>	<b>260 90.0</b>	<b>269 93.1</b>	<b>357</b>	<b>326 91.3</b>	<b>303 84.9</b>	<b>272 76.2</b>
Unknown	26	25 96.2	24 92.3	22	20 90.9	21 95.5	20 90.9	21	87.5	28	24 85.7	25 89.3	55	47 85.5	45 81.8	36 65.5
<b>Wales Total</b>	<b>8310</b>	<b>8006 96.3</b>	<b>8101 97.5</b>	<b>8684</b>	<b>8401 96.7</b>	<b>8359 96.3</b>	<b>8285 95.4</b>	<b>7642</b>	<b>87.2</b>	<b>8373</b>	<b>7791 93.0</b>	<b>7862 93.9</b>	<b>8527</b>	<b>8137 95.4</b>	<b>7681 90.1</b>	<b>6912 81.1</b>

\* Uptake of pertussis used as proxy

\*\* Men C uptake for children reaching one year of age this quarter is based on a completed one dose primary course of Men C vaccination. This is due to the Men C programme change in June 2013 from a two dose Men C primary course given at 3 months and 4 months of age to a one dose primary course at 3 months of age. ‡ Children receiving the final dose of PCV

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

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

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

**Table 3.** Vaccine uptake in children reaching their 1st birthday between 01/01/14 and 31/03/14 and resident on 31/03/14.

Area	Resident children	D3		T3		P3		Po3		Hib3		MMR1		MenC*		PCV2**		HibMenCb		
		(n)	(%)	(n)	(%)	(n)	(%)	(n)	(%)	(n)	(%)	(n)	(%)	(n)	(%)	(n)	(%)	(n)	(%)	
<b><u>Abertawe Bro Morgannwg University HB</u></b>																				
Bridgend LA	376	364	96.8	364	96.8	364	96.8	364	96.8	364	96.8	3	0.8	373	99.2	364	96.8	3	0.8	
Neath Port Talbot LA	371	358	96.5	358	96.5	358	96.5	358	96.5	358	96.5	8	2.2	363	97.8	357	96.2	1	0.3	
Swansea LA	587	571	97.3	571	97.3	571	97.3	571	97.3	571	97.3	6	1.0	575	98.0	569	96.9	1	0.2	
<b>Health Board Total</b>	<b>1334</b>	<b>1293</b>	<b>96.9</b>	<b>1293</b>	<b>96.9</b>	<b>1293</b>	<b>96.9</b>	<b>1293</b>	<b>96.9</b>	<b>1293</b>	<b>96.9</b>	<b>17</b>	<b>1.3</b>	<b>1311</b>	<b>98.3</b>	<b>1290</b>	<b>96.7</b>	<b>5</b>	<b>0.4</b>	
<b><u>Aneurin Bevan University HB</u></b>																				
Blaenau Gwent LA	212	207	97.6	207	97.6	207	97.6	207	97.6	207	97.6	1	0.5	210	99.1	206	97.2	1	0.5	
Caerphilly LA	488	478	98.0	478	98.0	478	98.0	478	98.0	478	98.0	4	0.8	477	97.7	475	97.3	4	0.8	
Monmouthshire LA	212	201	94.8	201	94.8	201	94.8	201	94.8	201	94.8	0	0.0	202	95.3	199	93.9	0	0.0	
Newport LA	480	459	95.6	459	95.6	459	95.6	458	95.4	458	95.4	1	0.2	465	96.9	458	95.4	0	0.0	
Torfaen LA	260	253	97.3	253	97.3	253	97.3	253	97.3	253	97.3	2	0.8	256	98.5	254	97.7	2	0.8	
<b>Health Board Total</b>	<b>1652</b>	<b>1598</b>	<b>96.7</b>	<b>1598</b>	<b>96.7</b>	<b>1598</b>	<b>96.7</b>	<b>1597</b>	<b>96.7</b>	<b>1597</b>	<b>96.7</b>	<b>8</b>	<b>0.5</b>	<b>1610</b>	<b>97.5</b>	<b>1592</b>	<b>96.4</b>	<b>7</b>	<b>0.4</b>	
<b><u>Betsi Cadwaladr University HB</u></b>																				
Anglesey LA	190	186	97.9	186	97.9	186	97.9	186	97.9	186	97.9	0	0.0	188	98.9	186	97.9	0	0.0	
Conwy LA	266	254	95.5	254	95.5	254	95.5	254	95.5	254	95.5	2	0.8	260	97.7	254	95.5	2	0.8	
Denbighshire LA	245	240	98.0	240	98.0	240	98.0	240	98.0	240	98.0	2	0.8	243	99.2	239	97.6	1	0.4	
Flintshire LA	391	382	97.7	382	97.7	382	97.7	382	97.7	382	97.7	0	0.0	387	99.0	384	98.2	0	0.0	
Gwynedd LA	314	305	97.1	305	97.1	305	97.1	305	97.1	305	97.1	4	1.3	303	96.5	305	97.1	3	1.0	
Wrexham LA	380	366	96.3	366	96.3	366	96.3	366	96.3	366	96.3	3	0.8	374	98.4	367	96.6	3	0.8	
<b>Health Board Total</b>	<b>1786</b>	<b>1733</b>	<b>97.0</b>	<b>1733</b>	<b>97.0</b>	<b>1733</b>	<b>97.0</b>	<b>1733</b>	<b>97.0</b>	<b>1733</b>	<b>97.0</b>	<b>11</b>	<b>0.6</b>	<b>1755</b>	<b>98.3</b>	<b>1735</b>	<b>97.1</b>	<b>9</b>	<b>0.5</b>	
<b><u>Cardiff and Vale University HB</u></b>																				
Cardiff LA	1107	1032	93.2	1032	93.2	1032	93.2	1032	93.2	1031	93.1	4	0.4	1060	95.8	1021	92.2	4	0.4	
Vale of Glamorgan LA	354	336	94.9	336	94.9	336	94.9	336	94.9	336	94.9	1	0.3	338	95.5	334	94.4	1	0.3	
<b>Health Board Total</b>	<b>1461</b>	<b>1368</b>	<b>93.6</b>	<b>1368</b>	<b>93.6</b>	<b>1368</b>	<b>93.6</b>	<b>1368</b>	<b>93.6</b>	<b>1367</b>	<b>93.6</b>	<b>5</b>	<b>0.3</b>	<b>1398</b>	<b>95.7</b>	<b>1355</b>	<b>92.7</b>	<b>5</b>	<b>0.3</b>	
<b><u>Cwm Taf University HB</u></b>																				
Merthyr Tydfil LA	160	158	98.8	158	98.8	158	98.8	158	98.8	158	98.8	0	0.0	158	98.8	157	98.1	0	0.0	
Rhondda Cynon Taff LA	696	677	97.3	677	97.3	677	97.3	677	97.3	677	97.3	2	0.3	682	98.0	677	97.3	0	0.0	
<b>Health Board Total</b>	<b>856</b>	<b>835</b>	<b>97.5</b>	<b>835</b>	<b>97.5</b>	<b>835</b>	<b>97.5</b>	<b>835</b>	<b>97.5</b>	<b>835</b>	<b>97.5</b>	<b>2</b>	<b>0.2</b>	<b>840</b>	<b>98.1</b>	<b>834</b>	<b>97.4</b>	<b>0</b>	<b>0.0</b>	
<b><u>Hywel Dda University HB</u></b>																				
Carmarthenshire LA	429	415	96.7	415	96.7	415	96.7	415	96.7	415	96.7	8	1.9	423	98.6	412	96.0	6	1.4	
Ceredigion LA	166	158	95.2	158	95.2	158	95.2	158	95.2	157	94.6	1	0.6	158	95.2	156	94.0	0	0.0	
Pembrokeshire LA	291	279	95.9	279	95.9	279	95.9	279	95.9	279	95.9	1	0.3	285	97.9	279	95.9	0	0.0	
<b>Health Board Total</b>	<b>886</b>	<b>852</b>	<b>96.2</b>	<b>852</b>	<b>96.2</b>	<b>852</b>	<b>96.2</b>	<b>852</b>	<b>96.2</b>	<b>851</b>	<b>96.0</b>	<b>10</b>	<b>1.1</b>	<b>866</b>	<b>97.7</b>	<b>847</b>	<b>95.6</b>	<b>6</b>	<b>0.7</b>	
<b><u>Powys Teaching HB</u></b>	<b>309</b>	<b>302</b>	<b>97.7</b>	<b>302</b>	<b>97.7</b>	<b>302</b>	<b>97.7</b>	<b>302</b>	<b>97.7</b>	<b>302</b>	<b>97.7</b>	<b>1</b>	<b>0.3</b>	<b>297</b>	<b>96.1</b>	<b>302</b>	<b>97.7</b>	<b>0</b>	<b>0.0</b>	
Unknown	26	25	96.2	25	96.2	25	96.2	25	96.2	24	92.3	0	0.0	24	92.3	24	92.3	0	0.0	
<b>Wales Total</b>	<b>8310</b>	<b>8006</b>	<b>96.3</b>	<b>8006</b>	<b>96.3</b>	<b>8006</b>	<b>96.3</b>	<b>8005</b>	<b>96.3</b>	<b>8002</b>	<b>96.3</b>	<b>54</b>	<b>0.6</b>	<b>8101</b>	<b>97.5</b>	<b>7979</b>	<b>96.0</b>	<b>32</b>	<b>0.4</b>	

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

**Table 4.** Vaccine uptake in children reaching their 2nd birthday between 01/01/14 and 31/03/14 and resident on 31/03/14.

Area	Resident children	D3	T3	P3	Po3	Hib3	MMR1	MenC*	PCV2**	PCVf***	HibMenCb
	(n)	(n) (%)	(n) (%)	(n) (%)	(n) (%)	(n) (%)	(n) (%)	(n) (%)	(n) (%)	(n) (%)	(n) (%)
<b>Abertawe Bro Morgannwg University HB</b>											
Bridgend LA	385	381 99.0	381 99.0	381 99.0	381 99.0	381 99.0	381 99.0	378 98.2	379 98.4	377 97.9	374 97.1
Neath Port Talbot LA	383	374 97.7	374 97.7	374 97.7	374 97.7	374 97.7	374 97.7	371 96.9	373 97.4	371 96.9	364 95.0
Swansea LA	728	716 98.4	716 98.4	716 98.4	717 98.4	717 98.5	716 98.4	709 97.4	697 95.7	694 95.3	694 95.3
<b>Health Board Total</b>	<b>1496</b>	<b>1471 98.3</b>	<b>1471 98.3</b>	<b>1471 98.3</b>	<b>1472 98.3</b>	<b>1472 98.4</b>	<b>1471 98.3</b>	<b>1458 97.5</b>	<b>1449 96.9</b>	<b>1442 96.4</b>	<b>1432 95.7</b>
<b>Aneurin Bevan University HB</b>											
Blaenau Gwent LA	168	164 97.6	164 97.6	164 97.6	164 97.6	164 97.6	164 97.6	164 97.6	162 96.4	164 97.6	161 95.8
Caerphilly LA	496	489 98.6	489 98.6	489 98.6	489 98.6	489 98.6	489 98.6	488 98.4	486 98.0	481 97.0	481 97.0
Monmouthshire LA	227	220 96.9	220 96.9	220 96.9	220 96.9	220 96.9	220 96.9	216 95.2	216 95.2	217 95.6	216 95.2
Newport LA	460	444 96.5	444 96.5	444 96.5	444 96.5	444 96.5	444 96.5	440 95.7	433 94.1	430 93.5	429 93.3
Torfaen LA	273	272 99.6	272 99.6	272 99.6	272 99.6	272 99.6	272 99.6	269 98.5	272 99.6	269 98.5	270 98.9
<b>Health Board Total</b>	<b>1624</b>	<b>1589 97.8</b>	<b>1589 97.8</b>	<b>1589 97.8</b>	<b>1589 97.8</b>	<b>1589 97.8</b>	<b>1589 97.8</b>	<b>1577 97.1</b>	<b>1569 96.6</b>	<b>1561 96.1</b>	<b>1557 95.9</b>
<b>Betsi Cadwaladr University HB</b>											
Anglesey LA	196	195 99.5	195 99.5	195 99.5	195 99.5	195 99.5	195 99.5	191 97.4	195 99.5	194 99.0	191 97.4
Conwy LA	283	278 98.2	278 98.2	278 98.2	278 98.2	278 98.2	277 97.9	274 96.8	276 97.5	273 96.5	271 95.8
Denbighshire LA	245	239 97.6	239 97.6	239 97.6	239 97.6	239 97.6	239 97.6	238 97.1	236 96.3	233 95.1	236 96.3
Flintshire LA	405	402 99.3	402 99.3	402 99.3	402 99.3	402 99.3	402 99.3	398 98.3	402 99.3	395 97.5	397 98.0
Gwynedd LA	327	323 98.8	323 98.8	323 98.8	323 98.8	323 98.8	323 98.8	318 97.2	312 95.4	319 97.6	318 97.2
Wrexham LA	413	410 99.3	410 99.3	410 99.3	409 99.0	410 99.3	409 99.0	402 97.3	403 97.6	403 97.6	395 95.6
<b>Health Board Total</b>	<b>1869</b>	<b>1847 98.8</b>	<b>1847 98.8</b>	<b>1847 98.8</b>	<b>1846 98.8</b>	<b>1846 98.8</b>	<b>1846 98.8</b>	<b>1821 97.4</b>	<b>1824 97.6</b>	<b>1817 97.2</b>	<b>1807 96.7</b>
<b>Cardiff and Vale University HB</b>											
Cardiff LA	1183	1135 95.9	1135 95.9	1135 95.9	1135 95.9	1135 95.9	1131 95.6	1120 94.7	1105 93.4	1089 92.1	1094 92.5
Vale of Glamorgan LA	357	343 96.1	343 96.1	343 96.1	343 96.1	343 96.1	343 96.1	343 96.1	336 94.1	330 92.4	337 94.4
<b>Health Board Total</b>	<b>1540</b>	<b>1478 96.0</b>	<b>1478 96.0</b>	<b>1478 96.0</b>	<b>1478 96.0</b>	<b>1478 96.0</b>	<b>1474 95.7</b>	<b>1463 95.0</b>	<b>1441 93.6</b>	<b>1419 92.1</b>	<b>1431 92.9</b>
<b>Cwm Taf University HB</b>											
Merthyr Tydfil LA	182	176 96.7	176 96.7	176 96.7	175 96.2	175 96.2	175 96.2	178 97.8	174 95.6	174 95.6	176 96.7
Rhondda Cynon Taff LA	660	651 98.6	651 98.6	651 98.6	651 98.6	651 98.6	651 98.6	643 97.4	647 98.0	645 97.7	639 96.8
<b>Health Board Total</b>	<b>842</b>	<b>827 98.2</b>	<b>827 98.2</b>	<b>827 98.2</b>	<b>826 98.1</b>	<b>826 98.1</b>	<b>826 98.1</b>	<b>821 97.5</b>	<b>821 97.5</b>	<b>819 97.3</b>	<b>815 96.8</b>
<b>Hywel Dda University HB</b>											
Carmarthenshire LA	506	493 97.4	493 97.4	493 97.4	492 97.2	493 97.4	489 96.6	489 96.6	485 95.8	481 95.1	477 94.3
Ceredigion LA	156	151 96.8	151 96.8	151 96.8	151 96.8	151 96.8	151 96.8	151 96.8	149 95.5	150 96.2	149 95.5
Pembrokeshire LA	348	340 97.7	340 97.7	340 97.7	340 97.7	340 97.7	340 97.7	337 96.8	337 96.8	328 94.3	332 95.4
<b>Health Board Total</b>	<b>1010</b>	<b>984 97.4</b>	<b>984 97.4</b>	<b>984 97.4</b>	<b>983 97.3</b>	<b>984 97.4</b>	<b>977 96.7</b>	<b>971 96.1</b>	<b>959 95.0</b>	<b>969 95.9</b>	<b>958 94.9</b>
<b>Powys Teaching HB</b>	<b>281</b>	<b>272 96.8</b>	<b>272 96.8</b>	<b>272 96.8</b>	<b>272 96.8</b>	<b>272 96.8</b>	<b>272 96.8</b>	<b>264 94.0</b>	<b>267 95.0</b>	<b>269 95.7</b>	<b>265 94.3</b>
Unknown	22	22 100.0	22 100.0	22 100.0	22 100.0	22 100.0	22 100.0	20 90.9	22 100.0	21 95.5	20 90.9
<b>Wales Total</b>	<b>8684</b>	<b>8490 97.8</b>	<b>8490 97.8</b>	<b>8490 97.8</b>	<b>8488 97.7</b>	<b>8488 97.7</b>	<b>8484 97.7</b>	<b>8401 96.7</b>	<b>8364 96.3</b>	<b>8307 95.7</b>	<b>8285 95.4</b>

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

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

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

**Table 5.** Vaccine uptake in children reaching their 4th birthday between 01/01/14 and 31/03/14 and resident on 31/03/14.

Area	Resident children	4 in 1 Preschool Booster*	HibMenCb	MMR dose 2	Up to date in schedule**
	(n)	(n) (%)	(n) (%)	(n) (%)	(n) (%)
<b>Abertawe Bro Morgannwg University HB</b>					
Bridgend LA	445	382 85.8	423 95.1	406 91.2	373 83.8
Neath Port Talbot LA	385	336 87.3	380 98.7	358 93.0	329 85.5
Swansea LA	716	626 87.4	684 95.5	662 92.5	615 85.9
<b>Health Board Total</b>	<b>1546</b>	<b>1344 86.9</b>	<b>1487 96.2</b>	<b>1426 92.2</b>	<b>1317 85.2</b>
<b>Aneurin Bevan University HB</b>					
Blaenau Gwent LA	194	174 89.7	189 97.4	173 89.2	171 88.1
Caerphilly LA	542	488 90.0	519 95.8	510 94.1	474 87.5
Monmouthshire LA	222	203 91.4	204 91.9	204 91.9	193 86.9
Newport LA	464	398 85.8	427 92.0	413 89.0	378 81.5
Torfaen LA	244	212 86.9	232 95.1	214 87.7	204 83.6
<b>Health Board Total</b>	<b>1666</b>	<b>1475 88.5</b>	<b>1571 94.3</b>	<b>1514 90.9</b>	<b>1420 85.2</b>
<b>Betsi Cadwaladr University HB</b>					
Anglesey LA	197	174 88.3	186 94.4	173 87.8	167 84.8
Conwy LA	310	283 91.3	299 96.5	282 91.0	279 90.0
Denbighshire LA	269	235 87.4	255 94.8	232 86.2	229 85.1
Flintshire LA	397	380 95.7	384 96.7	372 93.7	366 92.2
Gwynedd LA	296	285 96.3	286 96.6	281 94.9	274 92.6
Wrexham LA	400	373 93.3	389 97.3	372 93.0	369 92.3
<b>Health Board Total</b>	<b>1869</b>	<b>1730 92.6</b>	<b>1799 96.3</b>	<b>1712 91.6</b>	<b>1684 90.1</b>
<b>Cardiff and Vale University HB</b>					
Cardiff LA	1133	993 87.6	1047 92.4	989 87.3	937 82.7
Vale of Glamorgan LA	398	372 93.5	378 95.0	366 92.0	358 89.9
<b>Health Board Total</b>	<b>1531</b>	<b>1365 89.2</b>	<b>1425 93.1</b>	<b>1355 88.5</b>	<b>1295 84.6</b>
<b>Cwm Taf University HB</b>					
Merthyr Tydfil LA	160	152 95.0	155 96.9	147 91.9	146 91.3
Rhondda Cynon Taff LA	727	676 93.0	707 97.2	675 92.8	663 91.2
<b>Health Board Total</b>	<b>887</b>	<b>828 93.3</b>	<b>862 97.2</b>	<b>822 92.7</b>	<b>809 91.2</b>
<b>Hywel Dda University HB</b>					
Cardiganshire LA	474	423 89.2	448 94.5	432 91.1	411 86.7
Ceredigion LA	174	165 94.8	167 96.0	164 94.3	161 92.5
Pembrokeshire LA	317	296 93.4	309 97.5	291 91.8	287 90.5
<b>Health Board Total</b>	<b>965</b>	<b>884 91.6</b>	<b>924 95.8</b>	<b>887 91.9</b>	<b>859 89.0</b>
<b>Powys Teaching HB</b>	<b>275</b>	<b>246 89.5</b>	<b>250 90.9</b>	<b>245 89.1</b>	<b>237 86.2</b>
Unknown	24	23 95.8	23 95.8	22 91.7	21 87.5
<b>Wales Total</b>	<b>8763</b>	<b>7895 90.1</b>	<b>8341 95.2</b>	<b>7983 91.1</b>	<b>7642 87.2</b>

\* Uptake of acellular pertussis used as proxy

\*\* 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 01/01/14 and 31/03/14 and resident on 31/03/14.

Area	Resident children	D3	T3	P3	Po3	Hib3	MenC*	PCVf**	HibMenCb	MMR1	MMR2	D4	T4	aP	Po4
	(n)	(n) (%)	(n) (%)	(n) (%)	(n) (%)	(n) (%)	(n) (%)	(n) (%)	(n) (%)	(n) (%)	(n) (%)	(n) (%)	(n) (%)	(n) (%)	(n) (%)
<b>Abertawe Bro Morgannwg University HB</b>															
Bridgend LA	344	341 99.1	341 99.1	341 99.1	341 99.1	340 98.8	338 98.3	330 95.9	309 89.8	318 92.4	338 98.3	326 94.8	330 95.9	330 95.9	330 95.9
Neath Port Talbot LA	340	337 99.1	337 99.1	337 99.1	337 99.1	336 98.8	336 98.8	329 96.8	318 93.5	323 95.0	334 98.2	315 92.6	316 92.9	316 92.9	316 92.9
Swansea LA	649	634 97.7	634 97.7	634 97.7	634 97.7	634 97.7	630 97.1	611 94.1	605 93.2	618 95.2	636 98.0	622 95.8	623 96.0	623 96.0	623 96.0
<b>Health Board Total</b>	<b>1333</b>	<b>1312 98.4</b>	<b>1312 98.4</b>	<b>1312 98.4</b>	<b>1312 98.4</b>	<b>1310 98.3</b>	<b>1304 97.8</b>	<b>1270 95.3</b>	<b>1232 92.4</b>	<b>1259 94.4</b>	<b>1308 98.1</b>	<b>1263 94.7</b>	<b>1269 95.2</b>	<b>1269 95.2</b>	<b>1269 95.2</b>
<b>Aneurin Bevan University HB</b>															
Blaenau Gwent LA	163	161 98.8	161 98.8	161 98.8	161 98.8	161 98.8	161 98.8	160 98.2	156 95.7	158 96.9	161 98.8	156 95.7	157 96.3	157 96.3	157 96.3
Caerphilly LA	493	482 97.8	482 97.8	482 97.8	482 97.8	482 97.8	482 97.8	477 96.8	457 92.7	457 92.7	478 97.0	461 93.5	458 92.9	458 92.9	458 92.9
Monmouthshire LA	221	209 94.6	209 94.6	209 94.6	209 94.6	209 94.6	209 94.6	206 93.2	205 92.8	204 92.3	207 93.7	206 93.2	205 92.8	205 92.8	205 92.8
Newport LA	456	445 97.6	445 97.6	445 97.6	445 97.6	443 97.1	443 97.1	427 93.6	408 89.5	420 92.1	440 96.5	408 89.5	414 90.8	414 90.8	413 90.6
Torfaen LA	275	274 99.6	274 99.6	274 99.6	274 99.6	274 99.6	274 99.6	269 97.8	262 95.3	265 96.4	269 97.8	262 95.3	261 94.9	261 94.9	260 94.5
<b>Health Board Total</b>	<b>1608</b>	<b>1571 97.7</b>	<b>1571 97.7</b>	<b>1571 97.7</b>	<b>1571 97.7</b>	<b>1569 97.6</b>	<b>1569 97.6</b>	<b>1539 95.7</b>	<b>1488 92.5</b>	<b>1504 93.5</b>	<b>1555 96.7</b>	<b>1493 92.8</b>	<b>1495 93.0</b>	<b>1495 93.0</b>	<b>1495 93.0</b>
<b>Betsi Cadwaladr University HB</b>															
Anglesey LA	204	193 94.6	193 94.6	192 94.1	193 94.6	192 94.1	190 93.1	183 89.7	188 92.2	196 96.1	188 92.2	191 93.6	191 93.6	191 93.6	191 93.6
Conwy LA	297	288 97.0	288 97.0	288 97.0	288 97.0	288 97.0	280 94.3	278 93.6	283 95.3	289 97.3	273 91.9	276 92.9	276 92.9	276 92.9	276 92.9
Denbighshire LA	246	240 97.6	240 97.6	240 97.6	240 97.6	240 97.6	234 95.1	230 93.5	237 96.3	239 97.2	234 95.1	236 95.9	236 95.9	236 95.9	236 95.9
Flintshire LA	429	423 98.6	423 98.6	423 98.6	422 98.4	423 98.6	410 95.6	406 94.6	415 96.7	419 97.7	410 95.6	411 95.8	411 95.8	411 95.8	410 95.6
Gwynedd LA	321	314 97.8	314 97.8	314 97.8	314 97.8	312 97.2	299 93.1	296 92.2	304 94.7	312 97.2	298 92.8	308 96.0	308 96.0	308 96.0	308 96.0
Wrexham LA	385	378 98.2	378 98.2	378 98.2	378 98.2	378 98.2	378 98.2	365 94.8	364 94.5	367 95.3	376 97.7	362 94.0	362 94.0	362 94.0	362 94.0
<b>Health Board Total</b>	<b>1882</b>	<b>1836 97.6</b>	<b>1836 97.6</b>	<b>1835 97.5</b>	<b>1835 97.5</b>	<b>1833 97.4</b>	<b>1778 94.5</b>	<b>1757 93.4</b>	<b>1794 95.3</b>	<b>1831 97.3</b>	<b>1765 93.8</b>	<b>1784 94.8</b>	<b>1784 94.8</b>	<b>1784 94.8</b>	<b>1783 94.7</b>
<b>Cardiff and Vale University HB</b>															
Cardiff LA	1133	1086 95.9	1086 95.9	1086 95.9	1085 95.8	1079 95.2	1012 89.3	998 88.1	1026 90.6	1081 95.4	1013 89.4	1027 90.6	1027 90.6	1026 90.6	1027 90.6
Vale of Glamorgan LA	368	361 98.1	361 98.1	361 98.1	360 97.8	360 97.8	355 96.5	353 95.9	354 96.2	364 98.9	346 94.0	353 95.9	353 95.9	353 95.9	353 95.9
<b>Health Board Total</b>	<b>1501</b>	<b>1447 96.4</b>	<b>1447 96.4</b>	<b>1447 96.4</b>	<b>1445 96.3</b>	<b>1439 95.9</b>	<b>1367 91.1</b>	<b>1351 90.0</b>	<b>1380 91.9</b>	<b>1445 96.3</b>	<b>1359 90.5</b>	<b>1380 91.9</b>	<b>1380 91.9</b>	<b>1379 91.9</b>	<b>1380 91.9</b>
<b>Cwm Taf University HB</b>															
Merthyr Tydfil LA	148	143 96.6	143 96.6	143 96.6	143 96.6	142 95.9	140 94.6	139 93.9	138 93.2	142 95.9	140 94.6	141 95.3	141 95.3	141 95.3	141 95.3
Rhondda Cynon Taff LA	687	681 99.1	681 99.1	681 99.1	681 99.1	680 99.0	671 97.7	650 94.6	661 96.2	677 98.5	655 95.3	663 96.5	663 96.5	662 96.4	662 96.4
<b>Health Board Total</b>	<b>835</b>	<b>824 98.7</b>	<b>824 98.7</b>	<b>824 98.7</b>	<b>824 98.7</b>	<b>822 98.4</b>	<b>811 97.1</b>	<b>789 94.5</b>	<b>799 95.7</b>	<b>819 98.1</b>	<b>795 95.2</b>	<b>804 96.3</b>	<b>804 96.3</b>	<b>803 96.2</b>	<b>803 96.2</b>
<b>Hywel Dda University HB</b>															
Carmarthenshire LA	436	420 96.3	420 96.3	420 96.3	419 96.1	420 96.3	410 94.0	386 88.5	399 91.5	415 95.2	407 93.3	408 93.6	408 93.6	408 93.6	407 93.3
Ceredigion LA	155	145 93.5	145 93.5	145 93.5	144 92.9	144 92.9	135 87.1	139 89.7	139 89.7	144 92.9	142 91.6	144 92.9	144 92.9	144 92.9	144 92.9
Pembrokeshire LA	306	298 97.4	298 97.4	298 97.4	297 97.1	296 96.7	290 94.8	274 89.5	291 95.1	297 97.1	283 92.5	286 93.5	286 93.5	286 93.5	286 93.5
<b>Health Board Total</b>	<b>897</b>	<b>863 96.2</b>	<b>863 96.2</b>	<b>863 96.2</b>	<b>860 95.9</b>	<b>860 95.9</b>	<b>835 93.1</b>	<b>799 89.1</b>	<b>829 92.4</b>	<b>856 95.4</b>	<b>832 92.8</b>	<b>838 93.4</b>	<b>838 93.4</b>	<b>838 93.4</b>	<b>837 93.3</b>
<b>Powys Teaching HB</b>	<b>289</b>	<b>273 94.5</b>	<b>273 94.5</b>	<b>273 94.5</b>	<b>273 94.5</b>	<b>273 94.5</b>	<b>264 91.3</b>	<b>262 90.7</b>	<b>266 92.0</b>	<b>279 96.5</b>	<b>260 90.0</b>	<b>269 93.1</b>	<b>269 93.1</b>	<b>269 93.1</b>	<b>269 93.1</b>
Unknown	28	25 89.3	25 89.3	25 89.3	25 89.3	25 89.3	25 89.3	23 82.1	22 78.6	21 75.0	26 92.9	24 85.7	25 89.3	25 89.3	25 89.3
<b>Wales Total</b>	<b>8373</b>	<b>8151 97.3</b>	<b>8151 97.3</b>	<b>8150 97.3</b>	<b>8141 97.2</b>	<b>8125 97.0</b>	<b>7887 94.2</b>	<b>7700 92.0</b>	<b>7852 93.8</b>	<b>8119 97.0</b>	<b>7791 93.0</b>	<b>7864 93.9</b>	<b>7864 93.9</b>	<b>7862 93.9</b>	<b>7859 93.9</b>

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

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

**Table 7.** Uptake of HPV vaccine in girls reaching 13 and 14 years of age between 01/09/13 and 31/08/14 and resident on 31/03/14.

Area	13 years (2013-14 School Year 8)*							14 years (2013-14 School Year 9)						
	Resident girls (n)	HPV 1 dose (n) (%)	HPV 2 doses (n) (%)	HPV 3 doses (n) (%)	Resident girls (n)	HPV 1 dose (n) (%)	HPV 2 doses (n) (%)	HPV 3 doses (n) (%)						
<b>Abertawe Bro Morgannwg University HB</b>														
Bridgend LA	814	745 91.5	726 89.2	632 77.6	723	684 94.6	678 93.8	668 92.4						
Neath Port Talbot LA	666	620 93.1	595 89.3	467 70.1	651	607 93.2	601 92.3	591 90.8						
Swansea LA	1244	1140 91.6	1066 85.7	372 29.9	1206	1105 91.6	1093 90.6	1061 88.0						
<b>Health Board Total</b>	<b>2724</b>	<b>2505 92.0</b>	<b>2387 87.6</b>	<b>1471 54.0</b>	<b>2580</b>	<b>2396 92.9</b>	<b>2372 91.9</b>	<b>2320 89.9</b>						
<b>Aneurin Bevan University HB</b>														
Blaenau Gwent LA	347	336 96.8	324 93.4	250 72.0	367	343 93.5	337 91.8	327 89.1						
Caerphilly LA	913	844 92.4	787 86.2	504 55.2	916	829 90.5	824 90.0	808 88.2						
Monmouthshire LA	477	367 76.9	355 74.4	285 59.7	529	420 79.4	411 77.7	404 76.4						
Newport LA	833	704 84.5	677 81.3	538 64.6	866	770 88.9	760 87.8	736 85.0						
Torfaen LA	512	477 93.2	454 88.7	334 65.2	475	424 89.3	421 88.6	405 85.3						
<b>Health Board Total</b>	<b>3082</b>	<b>2728 88.5</b>	<b>2597 84.3</b>	<b>1911 62.0</b>	<b>3153</b>	<b>2786 88.4</b>	<b>2753 87.3</b>	<b>2680 85.0</b>						
<b>Betsi Cadwaladr University HB</b>														
Anglesey LA	352	314 89.2	310 88.1	183 52.0	349	313 89.7	309 88.5	299 85.7						
Conwy LA	599	519 86.6	511 85.3	20 3.3	603	535 88.7	535 88.7	527 87.4						
Denbighshire LA	523	426 81.5	425 81.3	208 39.8	491	436 88.8	433 88.2	419 85.3						
Flintshire LA	796	730 91.7	707 88.8	103 12.9	804	730 90.8	721 89.7	700 87.1						
Gwynedd LA	597	534 89.4	525 87.9	236 39.5	608	541 89.0	538 88.5	536 88.2						
Wrexham LA	680	614 90.3	525 77.2	1 0.1	710	620 87.3	614 86.5	606 85.4						
<b>Health Board Total</b>	<b>3547</b>	<b>3137 88.4</b>	<b>3003 84.7</b>	<b>751 21.2</b>	<b>3565</b>	<b>3175 89.1</b>	<b>3150 88.4</b>	<b>3087 86.6</b>						
<b>Cardiff and Vale University HB</b>														
Cardiff LA	1748	1457 83.4	1294 74.0	313 17.9	1759	1553 88.3	1533 87.2	1411 80.2						
Vale of Glamorgan LA	642	561 87.4	513 79.9	99 15.4	687	638 92.9	637 92.7	599 87.2						
<b>Health Board Total</b>	<b>2390</b>	<b>2018 84.4</b>	<b>1807 75.6</b>	<b>412 17.2</b>	<b>2446</b>	<b>2191 89.6</b>	<b>2170 88.7</b>	<b>2010 82.2</b>						
<b>Cwm Taf University HB</b>														
Merthyr Tydfil LA	277	259 93.5	248 89.5	201 72.6	314	287 91.4	284 90.4	285 90.8						
Rhondda Cynon Taff LA	1154	1082 93.8	1048 90.8	283 24.5	1186	1122 94.6	1114 93.9	1094 92.2						
<b>Health Board Total</b>	<b>1431</b>	<b>1341 93.7</b>	<b>1296 90.6</b>	<b>484 33.8</b>	<b>1500</b>	<b>1409 93.9</b>	<b>1398 93.2</b>	<b>1379 91.9</b>						
<b>Hywel Dda University HB</b>														
Carmarthenshire LA	887	825 93.0	813 91.7	756 85.2	858	769 89.6	764 89.0	750 87.4						
Ceredigion LA	283	250 88.3	248 87.6	222 78.4	308	262 85.1	259 84.1	256 83.1						
Pembrokeshire LA	540	462 85.6	447 82.8	0 0.0	614	540 87.9	536 87.3	519 84.5						
<b>Health Board Total</b>	<b>1710</b>	<b>1537 89.9</b>	<b>1508 88.2</b>	<b>978 57.2</b>	<b>1780</b>	<b>1571 88.3</b>	<b>1559 87.6</b>	<b>1525 85.7</b>						
<b>Powys Teaching HB</b>	<b>602</b>	<b>498 82.7</b>	<b>485 80.6</b>	<b>267 44.4</b>	<b>640</b>	<b>528 82.5</b>	<b>512 80.0</b>	<b>493 77.0</b>						
Unknown	84	57 67.9	54 64.3	27 32.1	74	60 81.1	60 81.1	58 78.4						
<b>Wales Total</b>	<b>15570</b>	<b>13821 88.8</b>	<b>13137 84.4</b>	<b>6301 40.5</b>	<b>15738</b>	<b>14116 89.7</b>	<b>13974 88.8</b>	<b>13552 86.1</b>						

\* 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 01/01/14 and 31/03/14 and resident on 31/03/14 (with breakdown of MMR1 and MMR2 coverage by sex).

Area	Resident children		MMR1		MMR2		Teenage 3 in 1 booster*		Resident girls		MMR1 (girls)		MMR2 (girls)		Resident boys		MMR1 (boys)		MMR2 (boys)	
	(n)	(n)	(%)	(n)	(%)	(n)	(%)	(n)	(n)	(n)	(%)	(n)	(%)	(n)	(n)	(n)	(%)	(n)	(%)	
<b><u>Abertawe Bro Morgannwg University HB</u></b>	(n)	(n)	(%)	(n)	(%)	(n)	(%)	(n)	(n)	(n)	(%)	(n)	(%)	(n)	(n)	(n)	(%)	(n)	(%)	
Bridgend LA	410	395	96.3	373	91.0	295	72.0	185	179	96.8	167	90.3	225	216	96.0	206	91.6			
Neath Port Talbot LA	392	380	96.9	357	91.1	326	83.2	191	187	97.9	175	91.6	201	193	96.0	182	90.5			
Swansea LA	622	602	96.8	551	88.6	523	84.1	300	290	96.7	266	88.7	322	312	96.9	285	88.5			
<b>Health Board Total</b>	<b>1424</b>	<b>1377</b>	<b>96.7</b>	<b>1281</b>	<b>90.0</b>	<b>1144</b>	<b>80.3</b>	<b>676</b>	<b>656</b>	<b>97.0</b>	<b>608</b>	<b>89.9</b>	<b>748</b>	<b>721</b>	<b>96.4</b>	<b>673</b>	<b>90.0</b>			
<b><u>Aneurin Bevan University HB</u></b>																				
Blaenau Gwent LA	194	190	97.9	184	94.8	136	70.1	102	102	100.0	98	96.1	92	88	95.7	86	93.5			
Caerphilly LA	509	485	95.3	462	90.8	369	72.5	273	258	94.5	246	90.1	236	227	96.2	216	91.5			
Monmouthshire LA	275	245	89.1	232	84.4	192	69.8	143	132	92.3	123	86.0	132	113	85.6	109	82.6			
Newport LA	451	427	94.7	409	90.7	316	70.1	236	228	96.6	219	92.8	215	199	92.6	190	88.4			
Torfaen LA	262	256	97.7	247	94.3	189	72.1	132	130	98.5	125	94.7	130	126	96.9	122	93.8			
<b>Health Board Total</b>	<b>1691</b>	<b>1603</b>	<b>94.8</b>	<b>1534</b>	<b>90.7</b>	<b>1202</b>	<b>71.1</b>	<b>886</b>	<b>850</b>	<b>95.9</b>	<b>811</b>	<b>91.5</b>	<b>805</b>	<b>753</b>	<b>93.5</b>	<b>723</b>	<b>89.8</b>			
<b><u>Betsi Cadwaladr University HB</u></b>																				
Anglesey LA	187	175	93.6	169	90.4	148	79.1	73	68	93.2	66	90.4	114	107	93.9	103	90.4			
Conwy LA	286	275	96.2	266	93.0	243	85.0	145	139	95.9	137	94.5	139	135	97.1	129	92.8			
Denbighshire LA	266	248	93.2	226	85.0	210	78.9	138	127	92.0	112	81.2	128	121	94.5	114	89.1			
Flintshire LA	399	386	96.7	365	91.5	331	83.0	173	169	97.7	161	93.1	226	217	96.0	204	90.3			
Gwynedd LA	321	310	96.6	296	92.2	266	82.9	165	158	95.8	152	92.1	156	152	97.4	144	92.3			
Wrexham LA	311	305	98.1	294	94.5	240	77.2	137	133	97.1	129	94.2	174	172	98.9	165	94.8			
<b>Health Board Total</b>	<b>1770</b>	<b>1699</b>	<b>96.0</b>	<b>1616</b>	<b>91.3</b>	<b>1438</b>	<b>81.2</b>	<b>831</b>	<b>794</b>	<b>95.5</b>	<b>757</b>	<b>91.1</b>	<b>937</b>	<b>904</b>	<b>96.5</b>	<b>859</b>	<b>91.7</b>			
<b><u>Cardiff and Vale University HB</u></b>																				
Cardiff LA	854	795	93.1	742	86.9	641	75.1	385	366	95.1	340	88.3	469	429	91.5	402	85.7			
Vale of Glamorgan LA	355	342	96.3	318	89.6	301	84.8	165	159	96.4	146	88.5	190	183	96.3	172	90.5			
<b>Health Board Total</b>	<b>1209</b>	<b>1137</b>	<b>94.0</b>	<b>1060</b>	<b>87.7</b>	<b>942</b>	<b>77.9</b>	<b>550</b>	<b>525</b>	<b>95.5</b>	<b>486</b>	<b>88.4</b>	<b>659</b>	<b>612</b>	<b>92.9</b>	<b>574</b>	<b>87.1</b>			
<b><u>Cwm Taf University HB</u></b>																				
Merthyr Tydfil LA	149	140	94.0	134	89.9	54	36.2	68	62	91.2	58	85.3	81	78	96.3	76	93.8			
Rhondda Cynon Taff LA	607	592	97.5	558	91.9	243	40.0	306	298	97.4	281	91.8	301	294	97.7	277	92.0			
<b>Health Board Total</b>	<b>756</b>	<b>732</b>	<b>96.8</b>	<b>692</b>	<b>91.5</b>	<b>297</b>	<b>39.3</b>	<b>374</b>	<b>360</b>	<b>96.3</b>	<b>339</b>	<b>90.6</b>	<b>382</b>	<b>372</b>	<b>97.4</b>	<b>353</b>	<b>92.4</b>			
<b><u>Hywel Dda University HB</u></b>																				
Carmarthenshire LA	452	434	96.0	417	92.3	368	81.4	232	221	95.3	216	93.1	220	213	96.8	201	91.4			
Ceredigion LA	160	155	96.9	147	91.9	141	88.1	81	78	96.3	75	92.6	79	77	97.5	72	91.1			
Pembrokeshire LA	347	317	91.4	291	83.9	256	73.8	155	142	91.6	129	83.2	192	175	91.1	162	84.4			
<b>Health Board Total</b>	<b>959</b>	<b>906</b>	<b>94.5</b>	<b>855</b>	<b>89.2</b>	<b>765</b>	<b>79.8</b>	<b>468</b>	<b>441</b>	<b>94.2</b>	<b>420</b>	<b>89.7</b>	<b>491</b>	<b>465</b>	<b>94.7</b>	<b>435</b>	<b>88.6</b>			
<b><u>Powys Teaching HB</u></b>	<b>370</b>	<b>350</b>	<b>94.6</b>	<b>339</b>	<b>91.6</b>	<b>53</b>	<b>14.3</b>	<b>189</b>	<b>182</b>	<b>96.3</b>	<b>174</b>	<b>92.1</b>	<b>181</b>	<b>168</b>	<b>92.8</b>	<b>165</b>	<b>91.2</b>			
Unknown	38	27	71.1	26	68.4	18	47.4	15	12	80.0	11	73.3	23	15	65.2	15	65.2			
<b>Wales Total</b>	<b>8217</b>	<b>7831</b>	<b>95.3</b>	<b>7403</b>	<b>90.1</b>	<b>5859</b>	<b>71.3</b>	<b>3989</b>	<b>3820</b>	<b>95.8</b>	<b>3606</b>	<b>90.4</b>	<b>4226</b>	<b>4010</b>	<b>94.9</b>	<b>3797</b>	<b>89.8</b>			

\* 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 01/01/14 and 31/03/14 and resident on 31/03/14 (with breakdown of MMR1 and MMR2 coverage by sex).

Area	Resident children		MMR1		MMR2		Teenage 3 in 1 booster*		Resident girls		MMR1 (girls)		MMR2 (girls)		Resident boys		MMR1 (boys)		MMR2 (boys)	
	(n)	(n)	(%)	(n)	(%)	(n)	(%)	(n)	(n)	(n)	(%)	(n)	(%)	(n)	(n)	(%)	(n)	(%)		
<b>Abertawe Bro Morgannwg University HB</b>	(n)	(n)	(%)	(n)	(%)	(n)	(%)	(n)	(n)	(n)	(%)	(n)	(%)	(n)	(n)	(%)	(n)	(%)		
Bridgend LA	403	394	97.8	366	90.8	323	80.1	187	182	97.3	168	89.8	216	212	98.1	198	91.7			
Neath Port Talbot LA	355	344	96.9	324	91.3	303	85.4	166	158	95.2	149	89.8	189	186	98.4	175	92.6			
Swansea LA	609	586	96.2	552	90.6	518	85.1	309	299	96.8	283	91.6	300	287	95.7	269	89.7			
<b>Health Board Total</b>	<b>1367</b>	<b>1324</b>	<b>96.9</b>	<b>1242</b>	<b>90.9</b>	<b>1144</b>	<b>83.7</b>	<b>662</b>	<b>639</b>	<b>96.5</b>	<b>600</b>	<b>90.6</b>	<b>705</b>	<b>685</b>	<b>97.2</b>	<b>642</b>	<b>91.1</b>			
<b>Aneurin Bevan University HB</b>																				
Blaenau Gwent LA	220	213	96.8	202	91.8	188	85.5	122	119	97.5	114	93.4	98	94	95.9	88	89.8			
Caerphilly LA	531	507	95.5	485	91.3	416	78.3	261	253	96.9	241	92.3	270	254	94.1	244	90.4			
Monmouthshire LA	295	267	90.5	250	84.7	217	73.6	134	120	89.6	112	83.6	161	147	91.3	138	85.7			
Newport LA	482	459	95.2	425	88.2	376	78.0	245	231	94.3	212	86.5	237	228	96.2	213	89.9			
Torfaen LA	294	283	96.3	264	89.8	225	76.5	149	144	96.6	135	90.6	144	139	96.5	129	89.6			
<b>Health Board Total</b>	<b>1822</b>	<b>1729</b>	<b>94.9</b>	<b>1626</b>	<b>89.2</b>	<b>1422</b>	<b>78.0</b>	<b>911</b>	<b>867</b>	<b>95.2</b>	<b>814</b>	<b>89.4</b>	<b>910</b>	<b>862</b>	<b>94.7</b>	<b>812</b>	<b>89.2</b>			
<b>Betsi Cadwaladr University HB</b>																				
Anglesey LA	198	189	95.5	180	90.9	170	85.9	103	101	98.1	96	93.2	95	88	92.6	84	88.4			
Conwy LA	313	302	96.5	290	92.7	273	87.2	141	136	96.5	131	92.9	171	165	96.5	158	92.4			
Denbighshire LA	258	252	97.7	243	94.2	223	86.4	117	113	96.6	110	94.0	141	139	98.6	133	94.3			
Flintshire LA	436	424	97.2	410	94.0	377	86.5	207	201	97.1	195	94.2	229	223	97.4	215	93.9			
Gwynedd LA	327	322	98.5	309	94.5	294	89.9	147	143	97.3	136	92.5	180	179	99.4	173	96.1			
Wrexham LA	333	327	98.2	314	94.3	267	80.2	177	174	98.3	169	95.5	156	153	98.1	145	92.9			
<b>Health Board Total</b>	<b>1865</b>	<b>1816</b>	<b>97.4</b>	<b>1746</b>	<b>93.6</b>	<b>1604</b>	<b>86.0</b>	<b>892</b>	<b>868</b>	<b>97.3</b>	<b>837</b>	<b>93.8</b>	<b>972</b>	<b>947</b>	<b>97.4</b>	<b>908</b>	<b>93.4</b>			
<b>Cardiff and Vale University HB</b>																				
Cardiff LA	953	882	92.5	825	86.6	702	73.7	475	436	91.8	416	87.6	477	446	93.5	409	85.7			
Vale of Glamorgan LA	338	326	96.4	313	92.6	282	83.4	171	165	96.5	156	91.2	167	161	96.4	157	94.0			
<b>Health Board Total</b>	<b>1291</b>	<b>1208</b>	<b>93.6</b>	<b>1138</b>	<b>88.1</b>	<b>984</b>	<b>76.2</b>	<b>646</b>	<b>601</b>	<b>93.0</b>	<b>572</b>	<b>88.5</b>	<b>644</b>	<b>607</b>	<b>94.3</b>	<b>566</b>	<b>87.9</b>			
<b>Cwm Taf University HB</b>																				
Merthyr Tydfil LA	168	158	94.0	147	87.5	144	85.7	83	76	91.6	69	83.1	85	82	96.5	78	91.8			
Rhondda Cynon Taff LA	632	613	97.0	588	93.0	530	83.9	325	313	96.3	298	91.7	307	300	97.7	290	94.5			
<b>Health Board Total</b>	<b>800</b>	<b>771</b>	<b>96.4</b>	<b>735</b>	<b>91.9</b>	<b>674</b>	<b>84.3</b>	<b>408</b>	<b>389</b>	<b>95.3</b>	<b>367</b>	<b>90.0</b>	<b>392</b>	<b>382</b>	<b>97.4</b>	<b>368</b>	<b>93.9</b>			
<b>Hywel Dda University HB</b>																				
Carmarthenshire LA	471	449	95.3	415	88.1	393	83.4	226	221	97.8	206	91.2	245	228	93.1	209	85.3			
Ceredigion LA	156	151	96.8	137	87.8	130	83.3	74	71	95.9	64	86.5	82	80	97.6	73	89.0			
Pembrokeshire LA	343	316	92.1	294	85.7	253	73.8	145	133	91.7	129	89.0	198	183	92.4	165	83.3			
<b>Health Board Total</b>	<b>970</b>	<b>916</b>	<b>94.4</b>	<b>846</b>	<b>87.2</b>	<b>776</b>	<b>80.0</b>	<b>445</b>	<b>425</b>	<b>95.5</b>	<b>399</b>	<b>89.7</b>	<b>525</b>	<b>491</b>	<b>93.5</b>	<b>447</b>	<b>85.1</b>			
<b>Powys Teaching HB</b>	<b>357</b>	<b>326</b>	<b>91.3</b>	<b>303</b>	<b>84.9</b>	<b>272</b>	<b>76.2</b>	<b>167</b>	<b>148</b>	<b>88.6</b>	<b>140</b>	<b>83.8</b>	<b>190</b>	<b>178</b>	<b>93.7</b>	<b>163</b>	<b>85.8</b>			
Unknown	55	47	85.5	45	81.8	36	65.5	17	14	82.4	13	76.5	37	33	89.2	32	86.5			
<b>Wales Total</b>	<b>8527</b>	<b>8137</b>	<b>95.4</b>	<b>7681</b>	<b>90.1</b>	<b>6912</b>	<b>81.1</b>	<b>4148</b>	<b>3951</b>	<b>95.3</b>	<b>3742</b>	<b>90.2</b>	<b>4375</b>	<b>4185</b>	<b>95.7</b>	<b>3938</b>	<b>90.0</b>			

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

**Table 10.** Uptake of HPV vaccine in girls reaching appropriate birthdays between 01/09/13 and 31/08/14 and resident in Wales on 31/03/14.

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				
	(n)	(n)	(%)	(n)	(%)	(n)	(%)	(n)	(n)	(%)	(n)	(%)	(n)	(%)	(n)	(n)	(%)	(n)	(%)	(n)	(%)			
<b>ABM UHB</b>																								
Bridgend LA	766	696	90.9	691	90.2	688	89.8	790	731	92.5	727	92.0	717	90.8	838	763	91.1	758	90.5	748	89.3			
Neath Port Talbot LA	721	656	91.0	649	90.0	647	89.7	775	733	94.6	727	93.8	717	92.5	798	713	89.3	701	87.8	689	86.3			
Swansea LA	1166	1058	90.7	1048	89.9	1034	88.7	1246	1129	90.6	1117	89.6	1100	88.3	1255	1086	86.5	1075	85.7	1059	84.4			
<b>Health Board Total</b>	<b>2653</b>	<b>2410</b>	<b>90.8</b>	<b>2388</b>	<b>90.0</b>	<b>2369</b>	<b>89.3</b>	<b>2811</b>	<b>2593</b>	<b>92.2</b>	<b>2571</b>	<b>91.5</b>	<b>2534</b>	<b>90.1</b>	<b>2891</b>	<b>2562</b>	<b>88.6</b>	<b>2534</b>	<b>87.7</b>	<b>2496</b>	<b>86.3</b>			
<b>Aneurin Bevan UHB</b>																								
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	1000	921	92.1	914	91.4	909	90.9	1030	936	90.9	922	89.5	902	87.6	1079	959	88.9	950	88.0	931	86.3			
Monmouthshire LA	518	404	78.0	401	77.4	395	76.3	505	381	75.4	377	74.7	372	73.7	595	456	76.6	447	75.1	442	74.3			
Newport LA	941	805	85.5	795	84.5	780	82.9	988	842	85.2	832	84.2	822	83.2	945	779	82.4	777	82.2	765	81.0			
Torfaen LA	541	495	91.5	494	91.3	482	89.1	574	517	90.1	518	90.2	514	89.5	610	551	90.3	550	90.2	544	89.2			
<b>Health Board Total</b>	<b>3380</b>	<b>2985</b>	<b>88.3</b>	<b>2964</b>	<b>87.7</b>	<b>2920</b>	<b>86.4</b>	<b>3497</b>	<b>3041</b>	<b>87.0</b>	<b>3008</b>	<b>86.0</b>	<b>2965</b>	<b>84.8</b>	<b>3624</b>	<b>3117</b>	<b>86.0</b>	<b>3092</b>	<b>85.3</b>	<b>3044</b>	<b>84.0</b>			
<b>Betsi Cadwaladr UHB</b>																								
Anglesey LA	364	327	89.8	324	89.0	313	86.0	360	335	93.1	333	92.5	332	92.2	400	342	85.5	338	84.5	331	82.8			
Conwy LA	599	547	91.3	543	90.7	536	89.5	606	565	93.2	564	93.1	549	90.6	601	537	89.4	532	88.5	522	86.9			
Denbighshire LA	552	490	88.8	488	88.4	486	88.0	528	488	92.4	484	91.7	475	90.0	578	509	88.1	506	87.5	496	85.8			
Flintshire LA	787	721	91.6	716	91.0	708	90.0	833	764	91.7	761	91.4	750	90.0	890	799	89.8	795	89.3	791	88.9			
Gwynedd LA	645	570	88.4	563	87.3	557	86.4	608	537	88.3	535	88.0	532	87.5	670	572	85.4	568	84.8	561	83.7			
Wrexham LA	667	605	90.7	605	90.7	600	90.0	713	642	90.0	639	89.6	635	89.1	652	575	88.2	571	87.6	572	87.7			
<b>Health Board Total</b>	<b>3614</b>	<b>3260</b>	<b>90.2</b>	<b>3239</b>	<b>89.6</b>	<b>3200</b>	<b>88.5</b>	<b>3648</b>	<b>3331</b>	<b>91.3</b>	<b>3316</b>	<b>90.9</b>	<b>3273</b>	<b>89.7</b>	<b>3791</b>	<b>3334</b>	<b>87.9</b>	<b>3310</b>	<b>87.3</b>	<b>3273</b>	<b>86.3</b>			
<b>Cardiff &amp; Vale UHB</b>																								
Cardiff LA	1791	1591	88.8	1559	87.0	1468	82.0	1863	1612	86.5	1587	85.2	1515	81.3	1823	1529	83.9	1484	81.4	1419	77.8			
Vale of Glamorgan LA	707	657	92.9	654	92.5	630	89.1	762	679	89.1	667	87.5	632	82.9	876	733	83.7	711	81.2	680	77.6			
<b>Health Board Total</b>	<b>2498</b>	<b>2248</b>	<b>90.0</b>	<b>2213</b>	<b>88.6</b>	<b>2098</b>	<b>84.0</b>	<b>2625</b>	<b>2291</b>	<b>87.3</b>	<b>2254</b>	<b>85.9</b>	<b>2147</b>	<b>81.8</b>	<b>2699</b>	<b>2262</b>	<b>83.8</b>	<b>2195</b>	<b>81.3</b>	<b>2099</b>	<b>77.8</b>			
<b>Cwm Taf UHB</b>																								
Merthyr Tydfil LA	305	284	93.1	282	92.5	281	92.1	333	300	90.1	298	89.5	295	88.6	375	343	91.5	339	90.4	323	86.1			
Rhondda Cynon Taff LA	1242	1178	94.8	1171	94.3	1152	92.8	1287	1212	94.2	1193	92.7	1166	90.6	1316	1218	92.6	1208	91.8	1195	90.8			
<b>Health Board Total</b>	<b>1547</b>	<b>1462</b>	<b>94.5</b>	<b>1453</b>	<b>93.9</b>	<b>1433</b>	<b>92.6</b>	<b>1620</b>	<b>1512</b>	<b>93.3</b>	<b>1491</b>	<b>92.0</b>	<b>1461</b>	<b>90.2</b>	<b>1691</b>	<b>1561</b>	<b>92.3</b>	<b>1547</b>	<b>91.5</b>	<b>1518</b>	<b>89.8</b>			
<b>Hywel Dda UHB</b>																								
Carmarthenshire LA	924	842	91.1	839	90.8	831	89.9	929	832	89.6	829	89.2	822	88.5	984	829	84.2	817	83.0	812	82.5			
Ceredigion LA	308	262	85.1	259	84.1	257	83.4	341	289	84.8	287	84.2	279	81.8	339	270	79.6	268	79.1	265	78.2			
Pembrokeshire LA	650	565	86.9	556	85.5	531	81.7	634	548	86.4	544	85.8	532	83.9	656	562	85.7	555	84.6	538	82.0			
<b>Health Board Total</b>	<b>1882</b>	<b>1669</b>	<b>88.7</b>	<b>1654</b>	<b>87.9</b>	<b>1619</b>	<b>86.0</b>	<b>1904</b>	<b>1669</b>	<b>87.7</b>	<b>1660</b>	<b>87.2</b>	<b>1633</b>	<b>85.8</b>	<b>1979</b>	<b>1661</b>	<b>83.9</b>	<b>1640</b>	<b>82.9</b>	<b>1615</b>	<b>81.6</b>			
<b>Powys Teaching LHB</b>	<b>706</b>	<b>597</b>	<b>84.6</b>	<b>590</b>	<b>83.6</b>	<b>583</b>	<b>82.6</b>	<b>693</b>	<b>582</b>	<b>84.0</b>	<b>577</b>	<b>83.3</b>	<b>566</b>	<b>81.7</b>	<b>740</b>	<b>606</b>	<b>81.9</b>	<b>602</b>	<b>81.4</b>	<b>591</b>	<b>79.9</b>			
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	71	59.2	69	57.5			
<b>Wales Total</b>	<b>16362</b>	<b>14688</b>	<b>89.8</b>	<b>14558</b>	<b>89.0</b>	<b>14279</b>	<b>87.3</b>	<b>16893</b>	<b>15084</b>	<b>89.3</b>	<b>14940</b>	<b>88.4</b>	<b>14640</b>	<b>86.7</b>	<b>17535</b>	<b>15176</b>	<b>86.5</b>	<b>14991</b>	<b>85.5</b>	<b>14705</b>	<b>83.9</b>			

**Table 11.** Uptake of BCG immunisation in children reaching their 1<sup>st</sup>, 2<sup>nd</sup>, 5<sup>th</sup> and 16<sup>th</sup> birthdays between 01/01/14 and 31/03/14 and resident on 31/03/14.

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	(%)
<b><u>Abertawe Bro Morgannwg University HB</u></b>	(n)	(n)	(%)	(n)	(n)	(%)	(n)	(n)	(%)	(n)	(n)	(%)
Bridgend LA	376	14	3.7	385	20	5.2	344	5	1.5	403	3	0.7
Neath Port Talbot LA	371	7	1.9	383	15	3.9	340	8	2.4	355	2	0.6
Swansea LA	587	65	11.1	728	60	8.2	649	66	10.2	609	27	4.4
<b>Health Board Total</b>	<b>1334</b>	<b>86</b>	<b>6.4</b>	<b>1496</b>	<b>95</b>	<b>6.4</b>	<b>1333</b>	<b>79</b>	<b>5.9</b>	<b>1367</b>	<b>32</b>	<b>2.3</b>
<b><u>Aneurin Bevan University HB</u></b>												
Blaenau Gwent LA	212	8	3.8	168	6	3.6	163	7	4.3	220	1	0.5
Caerphilly LA	488	7	1.4	496	14	2.8	493	8	1.6	531	4	0.8
Monmouthshire LA	212	4	1.9	227	11	4.8	221	5	2.3	295	5	1.7
Newport LA	480	60	12.5	460	53	11.5	456	78	17.1	482	20	4.1
Torfaen LA	260	7	2.7	273	5	1.8	275	6	2.2	294	4	1.4
<b>Health Board Total</b>	<b>1652</b>	<b>86</b>	<b>5.2</b>	<b>1624</b>	<b>89</b>	<b>5.5</b>	<b>1608</b>	<b>104</b>	<b>6.5</b>	<b>1822</b>	<b>34</b>	<b>1.9</b>
<b><u>Betsi Cadwaladr University HB</u></b>												
Anglesey LA	190	7	3.7	196	4	2.0	204	5	2.5	198	4	2.0
Conwy LA	266	6	2.3	283	10	3.5	297	10	3.4	313	5	1.6
Denbighshire LA	245	10	4.1	245	10	4.1	246	11	4.5	258	10	3.9
Flintshire LA	391	11	2.8	405	15	3.7	429	26	6.1	436	8	1.8
Gwynedd LA	314	12	3.8	327	17	5.2	321	17	5.3	327	3	0.9
Wrexham LA	380	25	6.6	413	34	8.2	385	22	5.7	333	13	3.9
<b>Health Board Total</b>	<b>1786</b>	<b>71</b>	<b>4.0</b>	<b>1869</b>	<b>90</b>	<b>4.8</b>	<b>1882</b>	<b>91</b>	<b>4.8</b>	<b>1865</b>	<b>43</b>	<b>2.3</b>
<b><u>Cardiff and Vale University HB</u></b>												
Cardiff LA	1107	187	16.9	1183	229	19.4	1133	251	22.2	953	89	9.3
Vale of Glamorgan LA	354	7	2.0	357	12	3.4	368	20	5.4	338	9	2.7
<b>Health Board Total</b>	<b>1461</b>	<b>194</b>	<b>13.3</b>	<b>1540</b>	<b>241</b>	<b>15.6</b>	<b>1501</b>	<b>271</b>	<b>18.1</b>	<b>1291</b>	<b>98</b>	<b>7.6</b>
<b><u>Cwm Taf Univeristy HB</u></b>												
Merthyr Tydfil LA	160	8	5.0	182	16	8.8	148	3	2.0	168	6	3.6
Rhondda Cynon Taff LA	696	17	2.4	660	21	3.2	687	27	3.9	632	4	0.6
<b>Health Board Total</b>	<b>856</b>	<b>25</b>	<b>2.9</b>	<b>842</b>	<b>37</b>	<b>4.4</b>	<b>835</b>	<b>30</b>	<b>3.6</b>	<b>800</b>	<b>10</b>	<b>1.3</b>
<b><u>Hywel Dda University HB</u></b>												
Carmarthenshire LA	429	15	3.5	506	18	3.6	436	19	4.4	471	9	1.9
Ceredigion LA	166	7	4.2	156	10	6.4	155	14	9.0	156	9	5.8
Pembrokeshire LA	291	6	2.1	348	11	3.2	306	7	2.3	343	6	1.7
<b>Health Board Total</b>	<b>886</b>	<b>28</b>	<b>3.2</b>	<b>1010</b>	<b>39</b>	<b>3.9</b>	<b>897</b>	<b>40</b>	<b>4.5</b>	<b>970</b>	<b>24</b>	<b>2.5</b>
<b><u>Powys Teaching Health Board</u></b>	<b>309</b>	<b>6</b>	<b>1.9</b>	<b>281</b>	<b>2</b>	<b>0.7</b>	<b>289</b>	<b>8</b>	<b>2.8</b>	<b>357</b>	<b>6</b>	<b>1.7</b>
Unknown	26	1	3.8	22	3	13.6	28	3	10.7	55	1	1.8
<b>Wales Total</b>	<b>8310</b>	<b>497</b>	<b>6.0</b>	<b>8684</b>	<b>596</b>	<b>6.9</b>	<b>8373</b>	<b>626</b>	<b>7.5</b>	<b>8527</b>	<b>248</b>	<b>2.9</b>

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 1<sup>st</sup>, 2<sup>nd</sup> and 5<sup>th</sup> birthdays during 01/01/14 and 31/03/14 and resident on 31/03/14.

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	1334	0	-	-	-	1496	2	100.0	100.0	100.0	100.0	1333	0	-	-	-	-
Aneurin Bevan UHB	1652	3	100.0	100.0	100.0	1624	0	-	-	-	-	1608	1	100.0	100.0	100.0	100.0
Betsi Cadwaladr UHB	1786	0	-	-	-	1869	2	100.0	100.0	100.0	100.0	1882	3	100.0	100.0	100.0	100.0
Cardiff and Vale UHB	1461	6	100.0	100.0	100.0	1540	2	100.0	100.0	100.0	100.0	1501	2	100.0	100.0	100.0	100.0
Cwm Taf UHB	856	0	-	-	-	842	0	-	-	-	-	835	1	100.0	100.0	100.0	100.0
Hywel Dda UHB	886	0	-	-	-	1010	3	100.0	100.0	100.0	100.0	897	1	100.0	100.0	100.0	100.0
Powys Teaching HB	309	0	-	-	-	281	0	-	-	-	-	289	0	-	-	-	-
Unknown	26	0	-	-	-	22	0	-	-	-	-	28	0	-	-	-	-
<b>Wales Total</b>	<b>8310</b>	<b>9</b>	<b>100.0</b>	<b>100.0</b>	<b>100.0</b>	<b>8684</b>	<b>9</b>	<b>100.0</b>	<b>100.0</b>	<b>100.0</b>	<b>100.0</b>	<b>8373</b>	<b>8</b>	<b>100.0</b>	<b>100.0</b>	<b>100.0</b>	<b>100.0</b>

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.