

# Vaccine Uptake in Children in Wales July to September 2015

COVER 116: Wales November 2015



## Key points

- 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 all Health Boards (HB) and 20 local authority (LA) areas.
- Uptake of two doses of rotavirus vaccine decreased to 93% from 94% in the last quarter. Four LA areas and one health board had an uptake above 95%.
- Uptake of the first dose of MMR vaccine in two year old children remained above 95% this quarter. Four health boards and 14 LA areas achieved an uptake of 95%.
- By four years of age, 86% of children were up to date with all routine immunisations. The proportion of children who were up to date exceeded 90% in five LA areas, and 95% in one LA area. By the fifth birthday 90% of children were up to date.
- Uptake of the second MMR dose by five years of age was 92%.
- Uptake of the “4 in 1” pre-school booster in five year old children remained at 92% this quarter.
- Uptake of the first dose of Human Papillomavirus (HPV) vaccine in girls in the 2014-15 School Year 8 was 87%, and varied by health board. Coverage of a complete three dose course in girls in the 2013-14 school year 8 was 85%.
- Uptake of the MenC teenage booster in 15 year olds increased to 82%.
- Coverage of one dose of MMR vaccine in 15 year olds was 95% and coverage of a completed two dose course was 90%.
- Coverage of the Td/IPV teenage booster in 15 year olds remained stable at 83%

These results are for children living in Wales in September 2015 and reaching their first, second, fourth, fifth, 15<sup>th</sup> and 16<sup>th</sup> birthdays during the quarter 01/07/2015 to 30/09/2015. Uptake of HPV vaccination<sup>1</sup> in girls in the 2014-15 School Year 8 (reaching their 13<sup>th</sup> birthday between 01/09/2014 and 31/08/2015) is presented, along with coverage in 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 remained stable this quarter at 96.6%. Uptake ranged by Health Board from 95.5% (Hywel Dda UHB) to 98.4% (Cwm Taf UHB) and by Local Authority (LA) from 94.6% (Ceredigion) to 98.6% (Merthyr Tydfil). All seven Health Boards and 20 of the 22 LA areas achieved the target 95% uptake (Figures 2 and 5, Tables 2 and 3).

<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.

2. National uptake of a completed one dose course of MenC<sup>3</sup> vaccine in children reaching their first birthday this quarter was 97.8% compared to 98.1% last quarter. Uptake in Health Boards ranged from 97.2% (Hywel Dda UHB) to 98.9% (Cwm Taf UHB) and ranged by LA from 95.2% (Ceredigion) to 99.4% (Rhondda Cynon Taf). All seven Health Boards and all 22 LA areas achieved an uptake in excess of the 95% target (Figures 1 and 2, Tables 2 and 3).
3. Uptake of a complete two dose primary course of pneumococcal conjugate vaccination (PCV2<sup>3</sup>) in children reaching their first birthday was 96.6% this quarter compared to 96.8% last quarter, ranging by LA from 94.4% (Anglesey LA) to 98.7% (Rhondda Cynon Taf). Seven Health Boards and 20 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 93.2%, decreasing from 94.4% last quarter. Uptake in Health Boards ranged from 91.2% (Powys) to 97.2% (Cwm Taf UHB) and ranged by LA from 86.8% (Ceredigion) to 97.3% (Rhondda Cynon Taf) (Figure 2, Tables 2 and 3).
5. 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 95.4% this quarter compared to 95.8% last quarter. Uptake ranged by Health Board from 93.5% (Hywel Dda) to 96.7% (Betsi Cadwaladr and Cwm Taf) and by LA area from 92.6% (Ceredigion) to 98.2 (Merthyr Tydfil) (Figures 1, 2 and 6, Tables 2 and 4). Four Health Boards and 14 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 decreased to 95.7% this quarter compared to 96.1% last quarter. Uptake by LA ranged from 93.1% (Cardiff) to 98.4% (Anglesey) (Figure 2, Tables 2 and 4). Five Health Boards and 17 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 94.9% this quarter, compared to 95.0% last quarter. Uptake ranged by HB from 91.8% (Cardiff and Vale HB) to 97.3 (Cwm Taf UHB), and ranged by LA from 91.0% (Cardiff) to 98.2% (Merthyr Tydfil) (Tables 2 and 4). Thirteen LA areas achieved uptakes in excess of 95% (Figures 1 and 2).
8. In children reaching four years of age this quarter, coverage of the “4 in 1” DTaP/IPV<sup>5</sup> pre-school booster increased to 87.7%, compared to 87.5% last quarter. Coverage of the Hib/MenC booster was 95.3% and uptake of two doses of MMR increased to 88.2%, compared to 88.5% last quarter (Table 5). The proportion of children who were up to date with all these routine immunisations at four years of age increased to 85.5% this quarter from 85.1% last quarter. This ranged by Health Board from 78.1% (Aneurin Bevan UHB) to 90.5% (Betsi Cadwaladr UHB) and by LA from 72.6% (Newport) to 95.4% (Anglesey) (Figure 3, Tables 1 and 5). The proportion of children who were up to date with the above immunisations by their 5<sup>th</sup> birthday was 89.7% this quarter, ranging by health board from 87.9% (Cardiff and Vale UHB) to 91.8% (Betsi Cadwaladr UHB) (Table 5a).
9. In children reaching five years of age this quarter, coverage of one dose of MMR was 97.2%. Uptake of two doses of MMR was 92.3%, compared to 92.6% last quarter (Table 6). Uptake of two doses of MMR ranged by Health Board from 90.8% (Cardiff and Vale UHB) to 93.5% (Abertawe Bro Morgannwg UHB) and by LA from 89.5% (Monmouthshire) to 95.8% (Anglesey) (Figures 1 and 2, Tables 2 and 6). Two LA areas exceeded 95% uptake for two doses of MMR by five years of age (Figure 7).

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<sup>3</sup> MenC vaccine protects against meningitis caused by meningococcus group C infection. PCV protects against pneumococcal meningitis, bacteraemia, pneumonia and otitis media. Children reaching one and two years 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.

<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.

10. Uptake of the “4 in 1” DTaP/IPV<sup>5</sup> pre-school booster in children reaching their fifth birthday was 92.5% this quarter compared to 92.3, ranging by Health Board from 91.3% (Hywel Dda UHB) to 94.5% (Betsi Cadwaladr UHB) and by LA from 90.0% (Carmarthenshire) to 96.8% (Anglesey) (Tables 2, 6). Four LAs 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 was 94.8%, compared to 94.5% last quarter. Coverage ranged by Health Board from 92.3% (Cardiff and Vale UHB) to 96.3% (Cwm Taf UHB) and by LA from 91.3% (Cardiff) to 98.1% (Anglesey) (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 86.8% (Table 7). 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 87.2%, 87.2% and 84.7% for one, two and three doses respectively (Table 7). This represents the last School Year 8 Group to be offered the three dose HPV schedule.
13. Coverage of the MenC booster<sup>6</sup> immunisation in teenagers at their 15<sup>th</sup> birthday increased to 81.8% from 81.0% last quarter. Coverage ranged by Health Board from 74.3% (Cardiff and Vale UHB) to 90.8% (Cwm Taf HB) and by LA from 72.9% (Cardiff) to 90.8% (Rhondda Cynon Taf) (Table 8).
14. Coverage of the Td/IPV<sup>6</sup> teenage booster in children reaching 15 years of age this quarter decreased to 82.8, compared to 83.1% last quarter. Coverage ranged by Health Board from 76.6% (Cardiff & Vale UHB) to 90.9% (Cwm Taf HB) and ranged by LA from 75.5% (Cardiff) to 91.3% (Merthyr Tydfil) (Table 8).
15. Coverage of two doses of MMR in children reaching 16 years of age decreased to 89.7% this quarter, from 90.5% last quarter, ranging by LA from 84.6% (Denbighshire) to 95.2% (Wrexham). Coverage of one dose of MMR decreased to 94.9% this quarter, compared to 95.6% last quarter. Coverage of a full course (two doses of MMR) of immunisation against rubella in 16 year old girls this quarter decreased to 90.0% this quarter from 91.2% last quarter. Coverage of one dose decreased to 95.1% this quarter, compared to 96.0% last quarter. National coverage of the Td/IPV<sup>7</sup> teenage booster in children reaching 16 years of age remained stable at 82.7% this quarter (Tables 2 and 9).
16. Coverage in the 2014-15 cohort of year 10 girls (girls reaching their 15<sup>th</sup> birthday during 01/09/14 to 31/08/15) of a complete three dose course of HPV vaccine is currently 87.0%. Coverage of a complete three dose course of HPV vaccine in girls reaching their 16<sup>th</sup> birthday during 01/09/14 to 31/08/15 (2014-15 year 11) is currently 87.3%. Coverage of a complete three dose course of HPV vaccine in girls reaching their 17<sup>th</sup> birthday during 01/09/14 to 31/08/15 (2014-15 year 12) is currently 86.8% (Table 10).
17. Uptake of BCG<sup>8</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 7.0%, 6.3%, 7.5% and 3.8% of children reaching their first, second, fifth and 16<sup>th</sup> birthdays (respectively) during quarter three 2015<sup>9</sup>. Cardiff LA had the highest proportions of children given BCG by one and two years of age this quarter.

<sup>6</sup> MenC teenage booster dose introduced into the childhood schedule in June 2013 (does not refer to MenACWY vaccine)

<sup>7</sup> Td/IPV boosts protection against Diphtheria, Tetanus and Polio infection before entering adulthood

<sup>8</sup> BCG protects against tuberculosis infection.

<sup>9</sup> Numbers of eligible children for BCG are not known

**18.** 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 100%. 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 92%.

## Comment

Uptake of routine vaccination in children at one and two years of age remained high and was stable this quarter. Uptake of all routine primary immunisations in babies reaching their first birthday exceeded 95% again this quarter, except for rotavirus. MMR uptake continues to be above 95% in children reaching their second birthday, although there was some variation by local authority area.

This quarter saw a slight increase in the proportion of children who were up to date with their routine immunisations by four years of age, although it remains well below 95%. Wide variation remains in this measure of coverage, with a gap of more than 20% separating the LA area with the lowest (73%) compared to the LA area with the highest (95%) proportion of children who are up to date by four years of age.

For the first time, the proportion of children who were up to date with all routine immunisations by five years of age is presented in the quarterly COVER report. Ninety per-cent of children reaching their 5<sup>th</sup> birthday during July to September this year were up to date with their routine immunisations. This is an improvement of four per-cent compared to last time this cohort of children were reported on, reaching their 4<sup>th</sup> birthday, this time last year (reported in [COVER report 112](#) July to September 2014). Variation between LA areas, in the proportion of these children who are up to date, is also now narrower. Coverage of the 4 in 1 pre-school booster and the second MMR dose remain the lowest in children at four and five years of age. Regular immunisation status checks and opportunistic vaccination remain key in improving coverage.

Coverage of the first dose of the new two dose HPV vaccination course [1], in girls at the end of the 2014-15 school year 8 was 87%. Uptake of the second and final HPV dose in this group of girls will be reported over the next year. MenB vaccine for infants and MenACWY vaccine for adolescents were introduced in 2015 and uptake will be reported in future COVER reports.

Uptake of the Meningococcal group C vaccine in 15 year olds and uptake of the “3 in 1” Td/IPV booster in 16 year olds increased further this quarter, and coverage of one and two doses of MMR vaccine stable at 95% and 90% respectively for teenagers at 15 and 16 years of age.

[1] Welsh Government (2014) Changes to the Human Papillomavirus (HPV) vaccination programme from September 2014, CMO letter (2014) 13.

<http://gov.wales/docs/phhs/publications/140707vaccinationen.pdf>

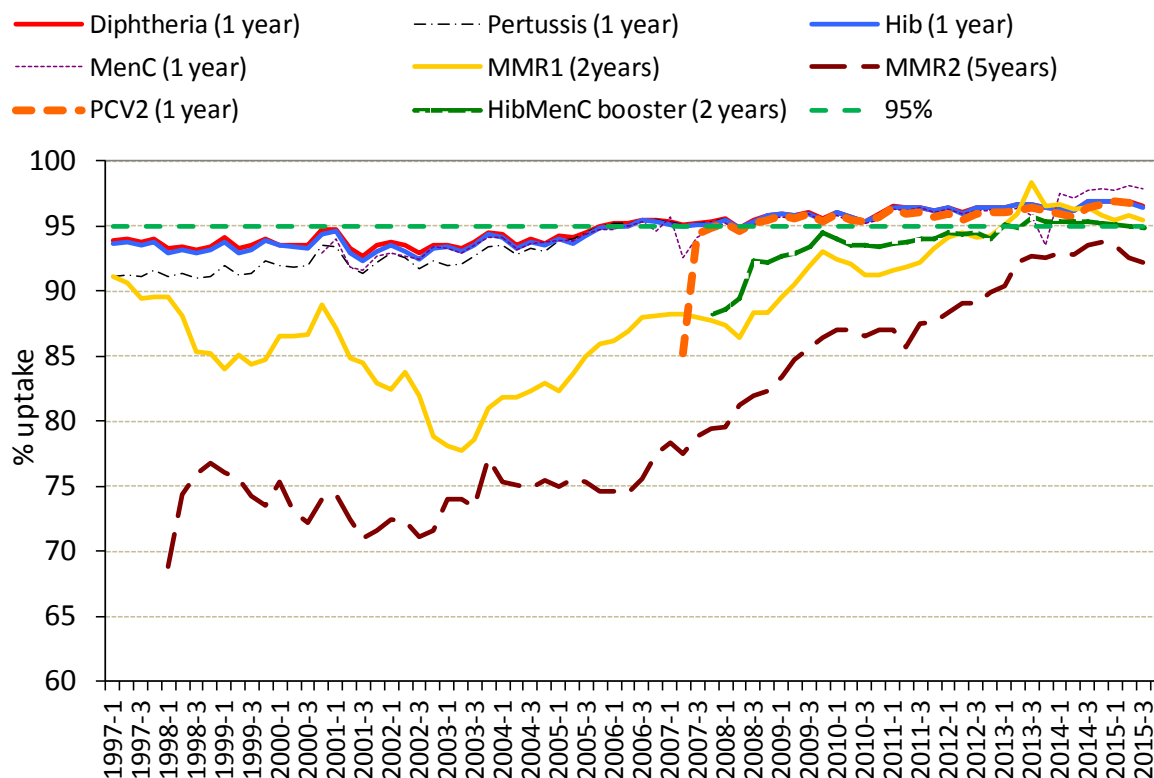
## Report prepared by Public Health Wales Vaccine Preventable Disease Programme and Communicable Disease Surveillance Centre.

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

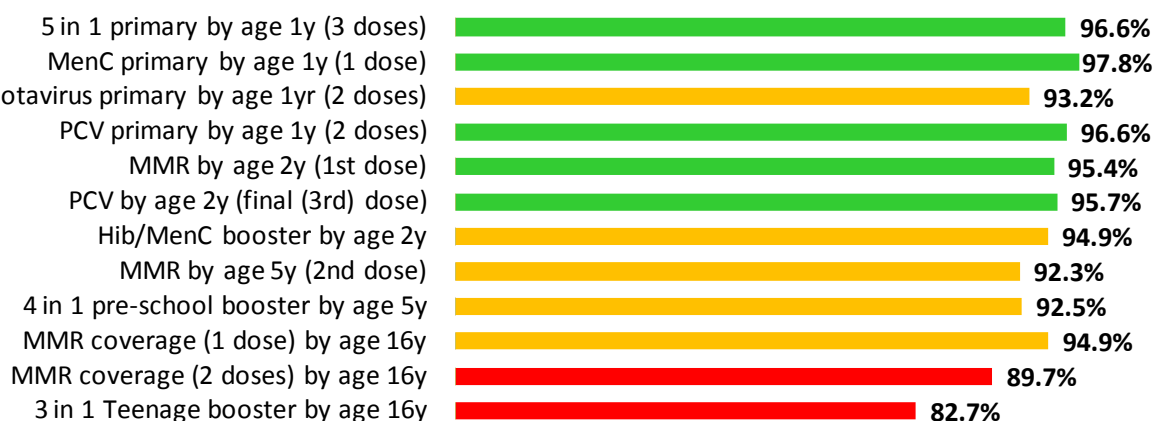
**Figure 1.** Percentage uptake of childhood immunisations in Wales, quarter 1 1997 to quarter 3 2015\*. Data are for children reaching 1 year of age each quarter for diphtheria, pertussis, Hib, MenC<sup>9</sup> and pneumococcal conjugate vaccine (PCV2), children reaching 2 years of age for MMR1 (first dose) and the Hib/MenC booster, and 5 years of age for MMR2 (second dose).



\* Uptake data for quarter 3 2014 to quarter 4 2014 presented here are based on estimates calculated in August 2015, rather than published data, due to data quality problems affecting reported uptake of some immunisations in reports published during this period.

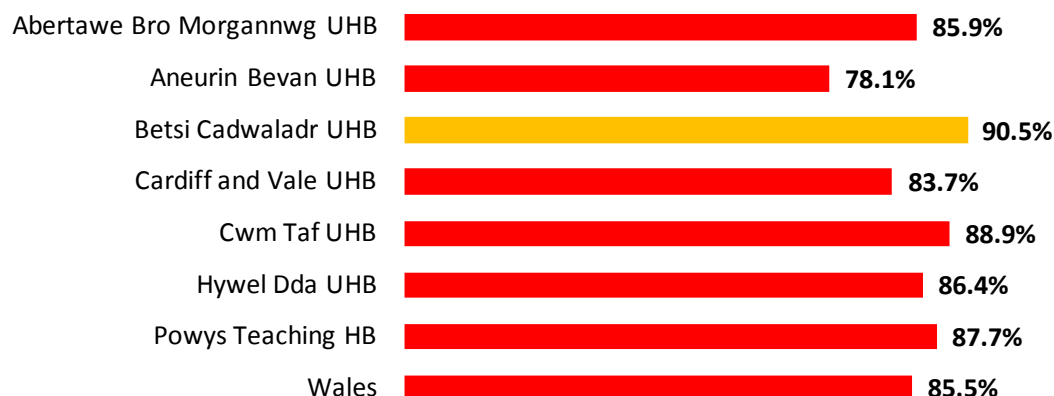
**Figure 2.** Summary of uptake rates for selected immunisations<sup>9</sup> in resident children reaching their 1st, 2nd, 5th and 16th birthday between 01/07/15 and 30/09/15 and resident on 30/09/15.

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<sup>9</sup> MenC uptake for children reaching one year of age is based on a completed one dose course of MenC vaccination.

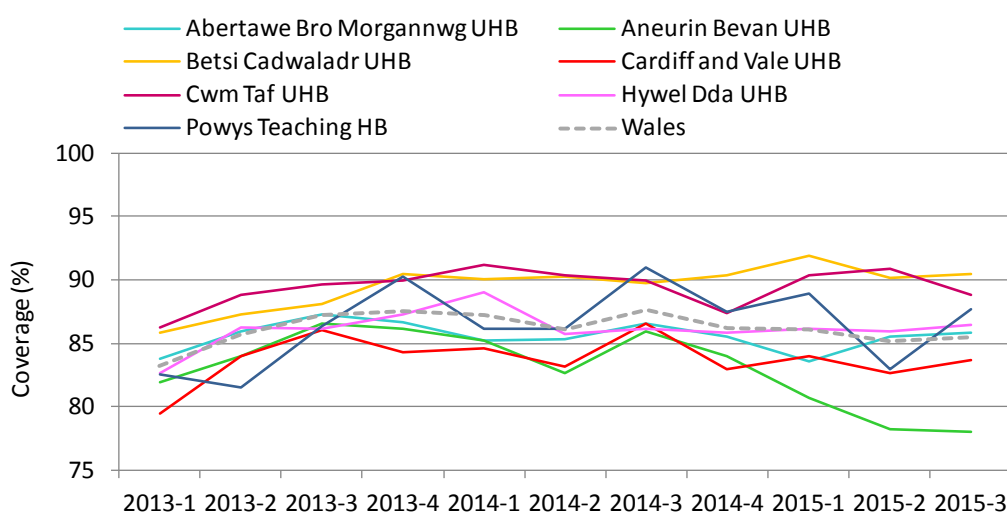
**Figure 3.** Percentage uptake of resident children reaching their 4<sup>th</sup> birthday between 01/07/15 and 30/09/15 and are up to date with all scheduled vaccines<sup>10</sup> by Health Board.



**Table 1.** Percentages of resident children reaching their 4<sup>th</sup> birthday during quarter 2 2014 to quarter 3 2015\* who are up to date with all scheduled vaccines<sup>10</sup>, by Health Board.

Area	Up to date in schedule				
	2014-3	2014-4	2015-1	2015-2	2015-3
Abertawe Bro Morgannwg UHB	86.6	85.6	83.6	85.5	85.9
Aneurin Bevan UHB	85.9	84.0	80.7	78.3	78.1
Betsi Cadwaladr UHB	89.8	90.4	91.9	90.2	90.5
Cardiff and Vale UHB	86.6	83.0	84.0	82.7	83.7
Cwm Taf UHB	90.0	87.4	90.3	90.9	88.7
Hywel Dda UHB	86.1	85.8	86.1	86.0	86.4
Powys Teaching HB	91.0	87.5	88.9	83.0	87.7
<b>Wales</b>	<b>87.6</b>	<b>86.2</b>	<b>86.1</b>	<b>85.1</b>	<b>85.5</b>

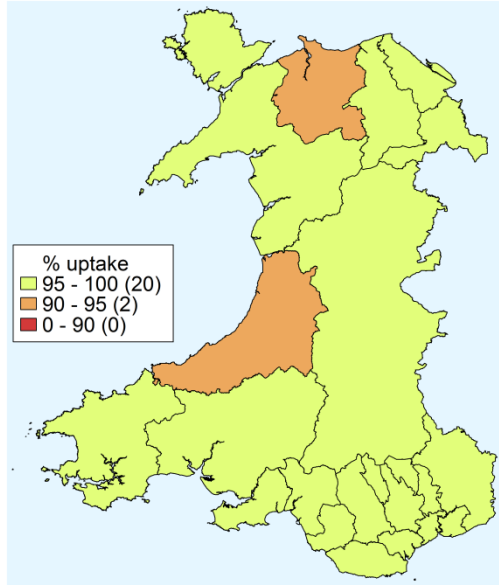
**Figure 4.** Trends in the percentages of children reaching their 4<sup>th</sup> birthday who are up to date with all scheduled vaccines<sup>10</sup>, by Health Board\*.



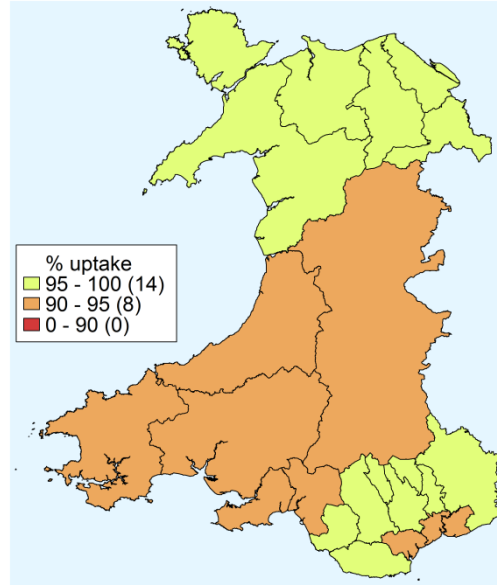
\* Uptake data for quarter 3 2014 to quarter 4 2014 presented here are based on estimates calculated in August 2015, rather than published data, due to data quality problems affecting reported uptake of some immunisations in reports published during this period.

<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.

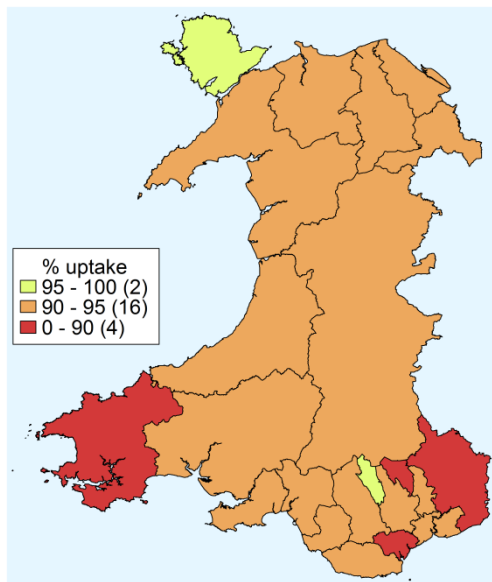
**Figure 5.** Uptake of “5 in 1” vaccine in Welsh Local Authority areas in children reaching their 1<sup>st</sup> birthday between 01/07/15 and 30/09/15.



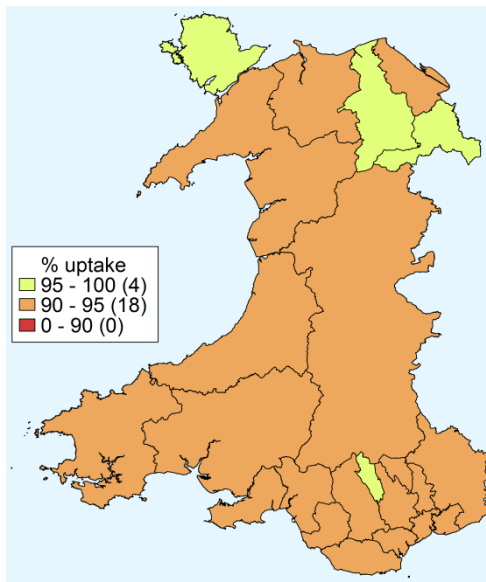
**Figure 6.** Uptake of at least 1 dose of MMR immunisation in Welsh Local Authority areas in children reaching their 2<sup>nd</sup> birthday between 01/07/15 and 30/09/15.



**Figure 7.** Uptake of two doses of MMR vaccine in Welsh Local Authority areas in children reaching their 5<sup>th</sup> birthday between 01/07/15 and 30/09/15.



**Figure 8.** Uptake of “4 in 1” vaccine in Welsh Local Authority areas in children reaching their 5<sup>th</sup> birthday between 01/07/15 and 30/09/15.



**Table 2.** Summary table with uptake of selected immunisations in resident children reaching their 1st, 2nd, 4th, 5th and 16th birthday between 01/07/15 and 30/09/15 and resident on 30/09/15.

Area	Age 1 year				Age 2 years				Age 4 years		Age 5 years			Age 16 years				
	Resident children (n)	5 in 1 <sup>1</sup> (%)	MenC <sup>2</sup> (%)	Rotavirus (%)	Resident children (n)	MMR1 (%)	PCVf <sup>3</sup> (%)	Hib/MenC (%)	Resident Children (n)	Up to date in schedule <sup>4</sup> (%)	Resident children (n)	MMR2 (%)	4 in 1 <sup>1</sup> (%)	Resident children (n)	MMR1 (%)	MMR2 (%)	3 in 1 Teenage booster <sup>5</sup> (%)	
<b>Abertawe Bro Morgannwg UHB</b>																		
Bridgend LA	370	357 96.5	364 98.4	349 94.3	422	410 97.2	411 97.4	409 96.9	427	360 84.3	454	424 93.4	413 91.0	403	393 97.5	380 94.3	318 78.9	
Neath Port Talbot LA	383	373 97.4	378 98.7	357 93.2	411	389 94.6	392 95.4	387 94.2	377	325 86.2	427	400 93.7	387 90.6	364	353 97.0	323 88.7	301 82.7	
Swansea LA	675	655 97.0	661 97.9	634 93.9	645	607 94.1	609 94.4	602 93.3	734	636 86.6	699	654 93.6	645 92.3	643	616 95.8	576 89.6	553 86.0	
<b>Health Board Total</b>	<b>1428</b>	<b>1385 97.0</b>	<b>1403 98.2</b>	<b>1340 93.8</b>	<b>1478</b>	<b>1406 95.1</b>	<b>1412 95.5</b>	<b>1398 94.6</b>	<b>1538</b>	<b>1321 85.9</b>	<b>1580</b>	<b>1478 93.5</b>	<b>1445 91.5</b>	<b>1410</b>	<b>1362 96.6</b>	<b>1279 90.7</b>	<b>1172 83.1</b>	
<b>Aneurin Bevan UHB</b>																		
Blaenau Gwent LA	189	185 97.9	186 98.4	177 93.7	198	192 97.0	193 97.5	192 97.0	186	162 87.1	197	177 89.8	180 91.4	224	216 96.4	207 92.4	191 85.3	
Caerphilly LA	541	525 97.0	537 99.3	514 95.0	552	532 96.4	536 97.1	536 97.1	551	422 76.6	553	512 92.6	507 91.7	561	553 98.6	525 93.6	472 84.1	
Monmouthshire LA	191	183 95.8	185 96.9	177 92.7	187	181 96.8	182 97.3	181 96.8	212	172 81.1	237	212 89.5	216 91.1	267	241 90.3	232 86.9	196 73.4	
Newport LA	521	497 95.4	504 96.7	476 91.4	494	468 94.7	469 94.9	461 93.3	453	329 72.6	515	483 93.8	483 93.8	485	451 93.0	417 86.0	372 76.7	
Torfaen LA	262	254 96.9	254 96.9	243 92.7	312	302 96.8	303 97.1	302 96.8	243	199 81.9	279	255 91.4	254 91.0	266	263 98.9	251 94.4	223 83.8	
<b>Health Board Total</b>	<b>1704</b>	<b>1644 96.5</b>	<b>1666 97.8</b>	<b>1587 93.1</b>	<b>1743</b>	<b>1675 96.1</b>	<b>1683 96.6</b>	<b>1672 95.9</b>	<b>1645</b>	<b>1284 78.1</b>	<b>1781</b>	<b>1639 92.0</b>	<b>1640 92.1</b>	<b>1803</b>	<b>1724 95.6</b>	<b>1632 90.5</b>	<b>1454 80.6</b>	
<b>Betsi Cadwaladr UHB</b>																		
Anglesey LA	180	171 95.0	177 98.3	164 91.1	183	179 97.8	180 98.4	179 97.8	194	185 95.4	216	207 95.8	209 96.8	190	184 96.8	176 92.6	152 80.0	
Conwy LA	289	274 94.8	280 96.9	265 91.7	289	278 96.2	278 96.2	277 95.8	289	258 89.3	319	296 92.8	300 94.0	306	288 94.1	275 89.9	276 90.2	
Denbighshire LA	287	280 97.6	284 99.0	261 90.9	272	261 96.0	263 96.7	257 94.5	253	216 85.4	258	242 93.8	245 95.0	272	248 91.2	230 84.6	224 82.4	
Flintshire LA	394	381 96.7	384 97.5	366 92.9	411	393 95.6	394 95.9	387 94.2	411	378 92.0	442	409 92.5	412 93.2	405	382 94.3	369 91.1	349 86.2	
Gwynedd LA	308	299 97.1	301 97.7	286 92.9	306	298 97.4	297 97.1	297 97.1	354	322 91.0	320	294 91.9	297 92.8	322	308 95.7	298 92.5	285 88.5	
Wrexham LA	433	420 97.0	422 97.5	392 90.5	422	412 97.6	411 97.4	409 96.9	443	400 90.3	447	414 92.6	428 95.7	375	366 97.6	357 95.2	310 82.7	
<b>Health Board Total</b>	<b>1891</b>	<b>1825 96.5</b>	<b>1848 97.7</b>	<b>1734 91.7</b>	<b>1883</b>	<b>1821 96.7</b>	<b>1823 96.8</b>	<b>1806 95.9</b>	<b>1944</b>	<b>1759 90.5</b>	<b>2002</b>	<b>1862 93.0</b>	<b>1891 94.5</b>	<b>1870</b>	<b>1776 95.0</b>	<b>1705 91.2</b>	<b>1596 85.3</b>	
<b>Cardiff and Vale UHB</b>																		
Cardiff LA	1198	1147 95.7	1168 97.5	1096 91.5	1171	1093 93.3	1090 93.1	1066 91.0	1120	927 82.8	1200	1077 89.8	1092 91.0	882	823 93.3	763 86.5	693 78.6	
Vale of Glamorgan LA	343	327 95.3	333 97.1	324 94.5	353	339 96.0	338 95.8	333 94.3	385	333 86.5	387	364 94.1	367 94.8	388	360 92.8	344 88.7	313 80.7	
<b>Health Board Total</b>	<b>1541</b>	<b>1474 95.7</b>	<b>1501 97.4</b>	<b>1420 92.1</b>	<b>1524</b>	<b>1432 94.0</b>	<b>1428 93.7</b>	<b>1399 91.8</b>	<b>1505</b>	<b>1260 83.7</b>	<b>1587</b>	<b>1441 90.8</b>	<b>1459 91.9</b>	<b>1270</b>	<b>1183 93.1</b>	<b>1107 87.2</b>	<b>1006 79.2</b>	
<b>Cwm Taf UHB</b>																		
Merthyr Tydfil LA	208	205 98.6	202 97.1	202 97.1	168	165 98.2	165 98.2	165 98.2	198	178 89.9	183	174 95.1	174 95.1	188	177 94.1	160 85.1	175 93.1	
Rhondda Cynon Taf LA	695	684 98.4	691 99.4	676 97.3	707	681 96.3	686 97.0	686 97.0	735	651 88.6	680	629 92.5	630 92.6	632	611 96.7	577 91.3	570 90.2	
<b>Health Board Total</b>	<b>903</b>	<b>889 98.4</b>	<b>893 98.9</b>	<b>878 97.2</b>	<b>875</b>	<b>846 96.7</b>	<b>851 97.3</b>	<b>851 97.3</b>	<b>933</b>	<b>829 88.9</b>	<b>863</b>	<b>803 93.0</b>	<b>804 93.2</b>	<b>820</b>	<b>788 96.1</b>	<b>737 89.9</b>	<b>745 90.9</b>	
<b>Hywel Dda UHB</b>																		
Cardiff LA	459	440 95.9	450 98.0	439 95.6	492	458 93.1	460 93.5	461 93.7	492	427 86.8	499	457 91.6	449 90.0	401	374 93.3	346 86.3	335 83.5	
Ceredigion LA	167	158 94.6	159 95.2	145 86.8	189	175 92.6	180 95.2	180 95.2	158	145 91.8	192	177 92.2	179 93.2	154	148 96.1	143 92.9	134 87.0	
Pembrokeshire LA	314	300 95.5	305 97.1	294 93.6	281	266 94.7	264 94.0	262 93.2	336	280 83.3	325	292 89.8	300 92.3	341	319 93.5	307 90.0	268 78.6	
<b>Health Board Total</b>	<b>940</b>	<b>898 95.5</b>	<b>914 97.2</b>	<b>878 93.4</b>	<b>962</b>	<b>899 93.5</b>	<b>904 94.0</b>	<b>903 93.9</b>	<b>986</b>	<b>852 86.4</b>	<b>1016</b>	<b>926 91.1</b>	<b>928 91.3</b>	<b>896</b>	<b>841 93.9</b>	<b>796 88.8</b>	<b>737 82.3</b>	
<b>Powys Teaching UHB</b>																		
Cardiff LA	261	255 97.7	256 98.1	238 91.2	286	271 94.8	275 96.2	274 95.8	308	270 87.7	314	287 91.4	289 92.0	366	335 91.5	316 86.3	269 73.5	
Unknown	15	14 93.3	15 100.0	15 100.0	27	26 96.3	26 96.3	26 96.3	32	24 75.0	18	17 94.4	17 94.4	52	48 92.3	45 86.5	38 73.1	
<b>Wales Total</b>	<b>8683</b>	<b>8384 96.6</b>	<b>8496 97.8</b>	<b>8090 93.2</b>	<b>8778</b>	<b>8376 95.4</b>	<b>8402 95.7</b>	<b>8329 94.9</b>	<b>8891</b>	<b>7599 85.5</b>	<b>9161</b>	<b>8453 92.3</b>	<b>8473 92.5</b>	<b>8487</b>	<b>8057 94.9</b>	<b>7617 89.7</b>	<b>7017 82.7</b>	

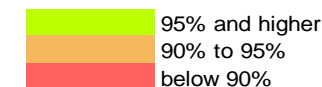
<sup>1</sup> Uptake of pertussis used as proxy

<sup>2</sup> Uptake of a completed one dose primary course of MenC vaccination

<sup>3</sup> Children receiving the final dose of PCV

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

<sup>5</sup> Uptake of diphtheria (reinforcing booster dose) used as proxy



**Table 3.** Vaccine uptake in children reaching their 1st birthday between 01/07/15 and 30/09/15 and resident on 30/09/15.

Area	Resident children	D3	T3	P3	Po3	Hib3	MMR1	MenC <sup>1</sup>	Rotavirus	PCV2 <sup>2</sup>	HibMenC
	(n)	(n) (%)	(n) (%)	(n) (%)	(n) (%)	(n) (%)	(n) (%)	(n) (%)	(n) (%)	(n) (%)	(n) (%)
<b>Abertawe Bro Morgannwg University HB</b>											
Bridgend LA	370	357 96.5	357 96.5	357 96.5	357 96.5	357 96.5	0 0.0	364 98.4	349 94.3	358 96.8	0 0.0
Neath Port Talbot LA	383	373 97.4	373 97.4	373 97.4	373 97.4	373 97.4	1 0.3	378 98.7	357 93.2	373 97.4	2 0.5
Swansea LA	675	655 97.0	655 97.0	655 97.0	655 97.0	655 97.0	3 0.4	661 97.9	634 93.9	655 97.0	3 0.4
<b>Health Board Total</b>	<b>1428</b>	<b>1385 97.0</b>	<b>1385 97.0</b>	<b>1385 97.0</b>	<b>1385 97.0</b>	<b>1385 97.0</b>	<b>4 0.3</b>	<b>1403 98.2</b>	<b>1340 93.8</b>	<b>1386 97.1</b>	<b>5 0.4</b>
<b>Aneurin Bevan University HB</b>											
Blaenau Gwent LA	189	185 97.9	185 97.9	185 97.9	185 97.9	185 97.9	0 0.0	186 98.4	177 93.7	185 97.9	0 0.0
Caerphilly LA	541	525 97.0	525 97.0	525 97.0	525 97.0	525 97.0	4 0.7	537 99.3	514 95.0	525 97.0	4 0.7
Monmouthshire LA	191	183 95.8	183 95.8	183 95.8	182 95.3	183 95.8	2 1.0	185 96.9	177 92.7	182 95.3	0 0.0
Newport LA	521	497 95.4	497 95.4	497 95.4	497 95.4	496 95.2	0 0.0	504 96.7	476 91.4	496 95.2	0 0.0
Torfaen LA	262	254 96.9	254 96.9	254 96.9	254 96.9	254 96.9	0 0.0	254 96.9	243 92.7	254 96.9	0 0.0
<b>Health Board Total</b>	<b>1704</b>	<b>1644 96.5</b>	<b>1644 96.5</b>	<b>1644 96.5</b>	<b>1643 96.4</b>	<b>1643 96.4</b>	<b>6 0.4</b>	<b>1666 97.8</b>	<b>1587 93.1</b>	<b>1642 96.4</b>	<b>4 0.2</b>
<b>Betsi Cadwaladr University HB</b>											
Anglesey LA	180	171 95.0	171 95.0	171 95.0	171 95.0	171 95.0	1 0.6	177 98.3	164 91.1	170 94.4	0 0.0
Conwy LA	289	274 94.8	274 94.8	274 94.8	274 94.8	274 94.8	0 0.0	280 96.9	265 91.7	275 95.2	0 0.0
Denbighshire LA	287	280 97.6	280 97.6	280 97.6	280 97.6	280 97.6	0 0.0	284 99.0	261 90.9	279 97.2	1 0.3
Flintshire LA	394	381 96.7	381 96.7	381 96.7	381 96.7	381 96.7	0 0.0	384 97.5	366 92.9	385 97.7	3 0.8
Gwynedd LA	308	299 97.1	299 97.1	299 97.1	299 97.1	298 96.8	4 1.3	301 97.7	286 92.9	300 97.4	5 1.6
Wrexham LA	433	420 97.0	420 97.0	420 97.0	420 97.0	420 97.0	2 0.5	422 97.5	392 90.5	421 97.2	3 0.7
<b>Health Board Total</b>	<b>1891</b>	<b>1825 96.5</b>	<b>1825 96.5</b>	<b>1825 96.5</b>	<b>1825 96.5</b>	<b>1824 96.5</b>	<b>7 0.4</b>	<b>1848 97.7</b>	<b>1734 91.7</b>	<b>1830 96.8</b>	<b>12 0.6</b>
<b>Cardiff and Vale University HB</b>											
Cardiff LA	1198	1147 95.7	1147 95.7	1147 95.7	1147 95.7	1147 95.7	6 0.5	1168 97.5	1096 91.5	1144 95.5	4 0.3
Vale of Glamorgan LA	343	327 95.3	327 95.3	327 95.3	327 95.3	327 95.3	2 0.6	333 97.1	324 94.5	329 95.9	2 0.6
<b>Health Board Total</b>	<b>1541</b>	<b>1474 95.7</b>	<b>1474 95.7</b>	<b>1474 95.7</b>	<b>1474 95.7</b>	<b>1474 95.7</b>	<b>8 0.5</b>	<b>1501 97.4</b>	<b>1420 92.1</b>	<b>1473 95.6</b>	<b>6 0.4</b>
<b>Cwm Taf University HB</b>											
Merthyr Tydfil LA	208	205 98.6	205 98.6	205 98.6	205 98.6	205 98.6	4 1.9	202 97.1	202 97.1	205 98.6	3 1.4
Rhondda Cynon Taf LA	695	684 98.4	684 98.4	684 98.4	685 98.6	681 98.0	1 0.1	691 99.4	676 97.3	686 98.7	0 0.0
<b>Health Board Total</b>	<b>903</b>	<b>889 98.4</b>	<b>889 98.4</b>	<b>889 98.4</b>	<b>890 98.6</b>	<b>886 98.1</b>	<b>5 0.6</b>	<b>893 98.9</b>	<b>878 97.2</b>	<b>891 98.7</b>	<b>3 0.3</b>
<b>Hywel Dda University HB</b>											
Carmarthenshire LA	459	440 95.9	440 95.9	440 95.9	440 95.9	440 95.9	0 0.0	450 98.0	439 95.6	438 95.4	0 0.0
Ceredigion LA	167	158 94.6	158 94.6	158 94.6	158 94.6	158 94.6	0 0.0	159 95.2	145 86.8	158 94.6	0 0.0
Pembrokeshire LA	314	300 95.5	300 95.5	300 95.5	300 95.5	300 95.5	2 0.6	305 97.1	294 93.6	300 95.5	1 0.3
<b>Health Board Total</b>	<b>940</b>	<b>898 95.5</b>	<b>898 95.5</b>	<b>898 95.5</b>	<b>898 95.5</b>	<b>898 95.5</b>	<b>2 0.2</b>	<b>914 97.2</b>	<b>878 93.4</b>	<b>896 95.3</b>	<b>1 0.1</b>
<b>Powys Teaching HB</b>											
Unknown	261	255 97.7	255 97.7	255 97.7	255 97.7	255 97.7	1 0.4	256 98.1	238 91.2	256 98.1	1 0.4
Wales Total	8683	8384 96.6	8384 96.6	8384 96.6	8384 96.6	8384 96.6	33 0.4	8496 97.8	8090 93.2	8388 96.6	32 0.4

<sup>1</sup> Uptake of a completed one dose primary course of MenC vaccination.

<sup>2</sup> Full primary two dose course of pneumococcal conjugate vaccine.

**Table 4.** Vaccine uptake in children reaching their 2nd birthday between 01/07/15 and 30/09/15 and resident on 30/09/15.

Area	Resident children	D3	T3	P3	Po3	Hib3	MMR1	MenC <sup>1</sup>	PCV2 <sup>2</sup>	PCVf <sup>3</sup>	HibMenC
	(n)	(n) (%)	(n) (%)	(n) (%)	(n) (%)	(n) (%)	(n) (%)	(n) (%)	(n) (%)	(n) (%)	(n) (%)
<b><u>Abertawe Bro Morgannwg University HB</u></b>											
Bridgend LA	422	418 99.1	418 99.1	418 99.1	418 99.1	418 99.1	417 98.8	418 99.1	410 97.2	419 99.29	414 98.1
Neath Port Talbot LA	411	404 98.3	404 98.3	404 98.3	404 98.3	404 98.3	404 98.3	404 98.3	389 94.6	404 98.3	397 96.6
Swansea LA	645	629 97.5	629 97.5	629 97.5	629 97.5	629 97.5	629 97.5	629 97.5	607 94.1	624 96.7	619 96.0
<b>Health Board Total</b>	<b>1478</b>	<b>1451 98.2</b>	<b>1451 98.2</b>	<b>1451 98.2</b>	<b>1451 98.2</b>	<b>1451 98.2</b>	<b>1450 98.1</b>	<b>1451 98.2</b>	<b>1406 95.1</b>	<b>1447 97.9</b>	<b>1430 96.8</b>
<b><u>Aneurin Bevan University HB</u></b>											
Blaenau Gwent LA	198	196 99.0	196 99.0	196 99.0	196 99.0	196 99.0	196 99.0	196 99.0	192 97.0	197 99.5	195 98.5
Caerphilly LA	552	544 98.6	544 98.6	544 98.6	544 98.6	544 98.6	544 98.6	544 98.6	532 96.4	542 98.2	542 98.2
Monmouthshire LA	187	182 97.3	182 97.3	182 97.3	182 97.3	182 97.3	182 97.3	182 97.3	181 96.8	183 97.9	182 97.3
Newport LA	494	484 98.0	484 98.0	484 98.0	484 98.0	484 98.0	484 98.0	484 98.0	468 94.7	479 97.0	471 95.3
Torfaen LA	312	308 98.7	308 98.7	308 98.7	308 98.7	308 98.7	308 98.7	308 98.7	302 96.8	308 98.7	306 98.1
<b>Health Board Total</b>	<b>1743</b>	<b>1714 98.3</b>	<b>1714 98.3</b>	<b>1714 98.3</b>	<b>1714 98.3</b>	<b>1714 98.3</b>	<b>1714 98.3</b>	<b>1714 98.3</b>	<b>1675 96.1</b>	<b>1709 98.0</b>	<b>1696 97.3</b>
<b><u>Betsi Cadwaladr University HB</u></b>											
Anglesey LA	183	182 99.5	182 99.5	182 99.5	182 99.5	182 99.5	182 99.5	182 99.5	179 97.8	183 100.0	180 98.4
Conwy LA	289	284 98.3	284 98.3	284 98.3	284 98.3	284 98.3	284 98.3	284 98.3	278 96.2	282 97.6	280 96.9
Denbighshire LA	272	268 98.5	268 98.5	268 98.5	268 98.5	268 98.5	268 98.5	268 98.5	261 96.0	269 98.9	264 97.1
Flintshire LA	411	400 97.3	400 97.3	400 97.3	400 97.3	400 97.3	399 97.1	398 96.8	393 95.6	394 95.9	386 93.9
Gwynedd LA	306	301 98.4	301 98.4	301 98.4	301 98.4	301 98.4	301 98.4	301 98.4	298 97.4	293 95.8	298 97.4
Wrexham LA	422	414 98.1	414 98.1	414 98.1	414 98.1	413 97.9	413 97.9	414 98.1	412 97.6	409 96.9	404 95.7
<b>Health Board Total</b>	<b>1883</b>	<b>1849 98.2</b>	<b>1849 98.2</b>	<b>1849 98.2</b>	<b>1849 98.2</b>	<b>1849 98.2</b>	<b>1847 98.1</b>	<b>1847 98.1</b>	<b>1821 96.7</b>	<b>1830 97.2</b>	<b>1812 96.2</b>
<b><u>Cardiff and Vale University HB</u></b>											
Cardiff LA	1171	1115 95.2	1115 95.2	1114 95.1	1114 95.1	1114 95.1	1115 95.2	1113 95.0	1093 93.3	1091 93.2	1060 90.5
Vale of Glamorgan LA	353	346 98.0	346 98.0	346 98.0	346 98.0	346 98.0	346 98.0	346 98.0	339 96.0	344 97.5	334 94.6
<b>Health Board Total</b>	<b>1524</b>	<b>1461 95.9</b>	<b>1461 95.9</b>	<b>1460 95.8</b>	<b>1460 95.8</b>	<b>1461 95.9</b>	<b>1461 95.9</b>	<b>1459 95.7</b>	<b>1432 94.0</b>	<b>1435 94.2</b>	<b>1394 91.5</b>
<b><u>Cwm Taf University HB</u></b>											
Merthyr Tydfil LA	168	168 100.0	168 100.0	168 100.0	168 100.0	168 100.0	168 100.0	168 100.0	165 98.2	168 100.0	168 100.0
Rhondda Cynon Taf LA	707	698 98.7	698 98.7	698 98.7	698 98.7	697 98.6	697 98.6	697 98.6	681 96.3	696 98.4	694 98.2
<b>Health Board Total</b>	<b>875</b>	<b>866 99.0</b>	<b>866 99.0</b>	<b>866 99.0</b>	<b>866 99.0</b>	<b>865 98.9</b>	<b>865 98.9</b>	<b>865 98.9</b>	<b>846 96.7</b>	<b>864 98.7</b>	<b>862 98.5</b>
<b><u>Hywel Dda University HB</u></b>											
Carmarthenshire LA	492	478 97.2	478 97.2	478 97.2	478 97.2	478 97.2	478 97.2	478 97.2	458 93.1	476 96.7	470 95.5
Ceredigion LA	189	182 96.3	182 96.3	182 96.3	182 96.3	182 96.3	182 96.3	182 96.3	175 92.6	180 95.2	178 94.2
Pembrokeshire LA	281	270 96.1	270 96.1	270 96.1	270 96.1	270 96.1	270 96.1	270 96.1	266 94.7	272 96.8	268 95.4
<b>Health Board Total</b>	<b>962</b>	<b>930 96.7</b>	<b>930 96.7</b>	<b>930 96.7</b>	<b>930 96.7</b>	<b>930 96.7</b>	<b>930 96.7</b>	<b>930 96.7</b>	<b>899 93.5</b>	<b>928 96.5</b>	<b>916 95.2</b>
<b><u>Powys Teaching HB</u></b>	<b>286</b>	<b>278 97.2</b>	<b>278 97.2</b>	<b>278 97.2</b>	<b>278 97.2</b>	<b>278 97.2</b>	<b>278 97.2</b>	<b>278 97.2</b>	<b>271 94.8</b>	<b>273 95.5</b>	<b>273 95.5</b>
Unknown	27	26 96.3	26 96.3	26 96.3	26 96.3	26 96.3	26 96.3	26 96.3	26 96.3	24 88.9	24 88.9
<b>Wales Total</b>	<b>8778</b>	<b>8575 97.7</b>	<b>8575 97.7</b>	<b>8574 97.6</b>	<b>8574 97.6</b>	<b>8571 97.6</b>	<b>8571 97.6</b>	<b>8570 97.6</b>	<b>8376 95.4</b>	<b>8510 96.9</b>	<b>8407 95.8</b>

<sup>1</sup> Uptake of a completed one dose primary course of MenC vaccination.

<sup>2</sup> Full primary two dose course of pneumococcal conjugate vaccine.

<sup>3</sup> Final (booster) dose of pneumococcal conjugate vaccine.

**Table 5.** Vaccine uptake in children reaching their 4th birthday between 01/07/15 and 30/09/15 and resident on 30/09/15. The proportion of children who have received all of these vaccines by their 4<sup>th</sup> birthday is also presented.

Area	Resident children	4 in 1 Preschool Booster <sup>1</sup>		HibMenC		MMR dose 2		Up to date in schedule <sup>2</sup>	
	(n)	(n)	(%)	(n)	(%)	(n)	(%)	(n)	(%)
<b>Abertawe Bro Morgannwg University HB</b>									
Bridgend LA	427	364	85.2	413	96.7	382	89.5	360	84.3
Neath Port Talbot LA	377	330	87.5	363	96.3	342	90.7	325	86.2
Swansea LA	734	646	88.0	707	96.3	677	92.2	636	86.6
<b>Health Board Total</b>	<b>1538</b>	<b>1340</b>	<b>87.1</b>	<b>1483</b>	<b>96.4</b>	<b>1401</b>	<b>91.1</b>	<b>1321</b>	<b>85.9</b>
<b>Aneurin Bevan University HB</b>									
Blaenau Gwent LA	186	164	88.2	181	97.3	165	88.7	162	87.1
Caerphilly LA	551	425	77.1	537	97.5	453	82.2	422	76.6
Monmouthshire LA	212	177	83.5	198	93.4	177	83.5	172	81.1
Newport LA	453	344	75.9	422	93.2	355	78.4	329	72.6
Torfaen LA	243	204	84.0	231	95.1	206	84.8	199	81.9
<b>Health Board Total</b>	<b>1645</b>	<b>1314</b>	<b>79.9</b>	<b>1569</b>	<b>95.4</b>	<b>1356</b>	<b>82.4</b>	<b>1284</b>	<b>78.1</b>
<b>Betsi Cadwaladr University HB</b>									
Anglesey LA	194	188	96.9	192	99.0	186	95.9	185	95.4
Conwy LA	289	263	91.0	278	96.2	258	89.3	258	89.3
Denbighshire LA	253	222	87.7	241	95.3	221	87.4	216	85.4
Flintshire LA	411	387	94.2	397	96.6	380	92.5	378	92.0
Gwynedd LA	354	330	93.2	339	95.8	323	91.2	322	91.0
Wrexham LA	443	412	93.0	422	95.3	406	91.6	400	90.3
<b>Health Board Total</b>	<b>1944</b>	<b>1802</b>	<b>92.7</b>	<b>1869</b>	<b>96.1</b>	<b>1774</b>	<b>91.3</b>	<b>1759</b>	<b>90.5</b>
<b>Cardiff and Vale University HB</b>									
Cardiff LA	1120	964	86.1	1035	92.4	958	85.5	927	82.8
Vale of Glamorgan LA	385	345	89.6	365	94.8	337	87.5	333	86.5
<b>Health Board Total</b>	<b>1505</b>	<b>1309</b>	<b>87.0</b>	<b>1400</b>	<b>93.0</b>	<b>1295</b>	<b>86.0</b>	<b>1260</b>	<b>83.7</b>
<b>Cwm Taf University HB</b>									
Merthyr Tydfil LA	198	181	91.4	193	97.5	179	90.4	178	89.9
Rhondda Cynon Taf LA	735	664	90.3	707	96.2	660	89.8	651	88.6
<b>Health Board Total</b>	<b>933</b>	<b>845</b>	<b>90.6</b>	<b>900</b>	<b>96.5</b>	<b>839</b>	<b>89.9</b>	<b>829</b>	<b>88.9</b>
<b>Hywel Dda University HB</b>									
Carmarthenshire LA	492	443	90.0	469	95.3	442	89.8	427	86.8
Ceredigion LA	158	148	93.7	149	94.3	149	94.3	145	91.8
Pembrokeshire LA	336	288	85.7	319	94.9	287	85.4	280	83.3
<b>Health Board Total</b>	<b>986</b>	<b>879</b>	<b>89.1</b>	<b>937</b>	<b>95.0</b>	<b>878</b>	<b>89.0</b>	<b>852</b>	<b>86.4</b>
<b>Powys Teaching HB</b>	<b>308</b>	<b>286</b>	<b>92.9</b>	<b>289</b>	<b>93.8</b>	<b>278</b>	<b>90.3</b>	<b>270</b>	<b>87.7</b>
Unknown	32	24	75.0	27	84.4	24	75.0	24	75.0
<b>Wales Total</b>	<b>8891</b>	<b>7799</b>	<b>87.7</b>	<b>8474</b>	<b>95.3</b>	<b>7845</b>	<b>88.2</b>	<b>7599</b>	<b>85.5</b>

<sup>1</sup> Uptake of acellular pertussis used as proxy

<sup>2</sup> Completed "4 in 1" preschool booster, the Hib/ MenC booster and second MMR dose by four years of age.

**Table 5a.** Vaccine uptake in children reaching their 5th birthday between 01/07/15 and 30/09/15 and resident on 30/09/15. The proportion of children who have received all of these vaccines by their 5<sup>th</sup> birthday is also presented.

Area	Resident children	4 in 1 Preschool Booster <sup>1</sup>		HibMenCb		MMR dose 2		Up to date in schedule <sup>2</sup>	
	(n)	(n)	(%)	(n)	(%)	(n)	(%)	(n)	(%)
<b>Abertawe Bro Morgannwg University HB</b>									
Bridgend LA	454	413	91.0	441	97.1	424	93.4	406	89.4
Neath Port Talbot LA	427	387	90.6	414	97.0	400	93.7	381	89.2
Swansea LA	699	645	92.3	664	95.0	654	93.6	630	90.1
<b>Health Board Total</b>	<b>1580</b>	<b>1445</b>	<b>91.5</b>	<b>1519</b>	<b>96.1</b>	<b>1478</b>	<b>93.5</b>	<b>1417</b>	<b>89.7</b>
<b>Aneurin Bevan University HB</b>									
Blaenau Gwent LA	197	180	91.4	192	97.5	177	89.8	174	88.3
Caerphilly LA	553	507	91.7	533	96.4	512	92.6	497	89.9
Monmouthshire LA	237	216	91.1	215	90.7	212	89.5	209	88.2
Newport LA	515	483	93.8	476	92.4	483	93.8	455	88.3
Torfaen LA	279	254	91.0	268	96.1	255	91.4	250	89.6
<b>Health Board Total</b>	<b>1781</b>	<b>1640</b>	<b>92.1</b>	<b>1684</b>	<b>94.6</b>	<b>1639</b>	<b>92.0</b>	<b>1585</b>	<b>89.0</b>
<b>Betsi Cadwaladr University HB</b>									
Anglesey LA	216	209	96.8	211	97.7	207	95.8	206	95.4
Conwy LA	319	300	94.0	302	94.7	296	92.8	290	90.9
Denbighshire LA	258	245	95.0	251	97.3	242	93.8	241	93.4
Flintshire LA	442	412	93.2	416	94.1	409	92.5	401	90.7
Gwynedd LA	320	297	92.8	306	95.6	294	91.9	294	91.9
Wrexham LA	447	428	95.7	417	93.3	414	92.6	405	90.6
<b>Health Board Total</b>	<b>2002</b>	<b>1891</b>	<b>94.5</b>	<b>1903</b>	<b>95.1</b>	<b>1862</b>	<b>93.0</b>	<b>1837</b>	<b>91.8</b>
<b>Cardiff and Vale University HB</b>									
Cardiff LA	1200	1092	91.0	1102	91.8	1077	89.8	1037	86.4
Vale of Glamorgan LA	387	367	94.8	369	95.3	364	94.1	358	92.5
<b>Health Board Total</b>	<b>1587</b>	<b>1459</b>	<b>91.9</b>	<b>1471</b>	<b>92.7</b>	<b>1441</b>	<b>90.8</b>	<b>1395</b>	<b>87.9</b>
<b>Cwm Taf University HB</b>									
Merthyr Tydfil LA	183	174	95.1	171	93.4	174	95.1	168	91.8
Rhondda Cynon Taf LA	680	630	92.6	654	96.2	629	92.5	618	90.9
<b>Health Board Total</b>	<b>863</b>	<b>804</b>	<b>93.2</b>	<b>825</b>	<b>95.6</b>	<b>803</b>	<b>93.0</b>	<b>786</b>	<b>91.1</b>
<b>Hywel Dda University HB</b>									
Carmarthenshire LA	499	449	90.0	471	94.4	457	91.6	436	87.4
Ceredigion LA	192	179	93.2	178	92.7	177	92.2	174	90.6
Pembrokeshire LA	325	300	92.3	303	93.2	292	89.8	285	87.7
<b>Health Board Total</b>	<b>1016</b>	<b>928</b>	<b>91.3</b>	<b>952</b>	<b>93.7</b>	<b>926</b>	<b>91.1</b>	<b>895</b>	<b>88.1</b>
<b>Powys Teaching HB</b>	<b>314</b>	<b>289</b>	<b>92.0</b>	<b>289</b>	<b>92.0</b>	<b>287</b>	<b>91.4</b>	<b>281</b>	<b>89.5</b>
Unknown	18	17	94.4	18	100.0	17	94.4	17	94.4
<b>Wales Total</b>	<b>9161</b>	<b>8473</b>	<b>92.5</b>	<b>8661</b>	<b>94.5</b>	<b>8453</b>	<b>92.3</b>	<b>8213</b>	<b>89.7</b>

<sup>1</sup> Uptake of acellular pertussis used as proxy

<sup>2</sup> 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 01/07/15 and 30/09/15 and resident on 30/09/15.

Area	Resident children	D3	T3	P3	Po3	Hib3	MenC <sup>1</sup>	PCVf <sup>2</sup>	HibMenC	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>	<b>(n)</b>	<b>(n) (%)</b>	<b>(n) (%)</b>	<b>(n) (%)</b>	<b>(n) (%)</b>	<b>(n) (%)</b>	<b>(n) (%)</b>	<b>(n) (%)</b>	<b>(n) (%)</b>	<b>(n) (%)</b>	<b>(n) (%)</b>	<b>(n) (%)</b>	<b>(n) (%)</b>	<b>(n) (%)</b>	<b>(n) (%)</b>
Bridgend LA	454	448 98.7	448 98.7	448 98.7	448 98.7	447 98.5	440 96.9	432 95.2	441 97.1	444 97.8	424 93.4	413 91.0	413 91.0	413 91.0	413 91.0
Neath Port Talbot LA	427	422 98.8	422 98.8	422 98.8	422 98.8	422 98.8	411 96.3	407 95.3	414 97.0	418 97.9	400 93.7	387 90.6	387 90.6	387 90.6	387 90.6
Swansea LA	699	681 97.4	681 97.4	681 97.4	681 97.4	678 97.0	660 94.4	652 93.3	664 95.0	678 97.0	654 93.6	645 92.3	645 92.3	645 92.3	643 92.0
<b>Health Board Total</b>	<b>1580</b>	<b>1551 98.2</b>	<b>1551 98.2</b>	<b>1551 98.2</b>	<b>1551 98.2</b>	<b>1547 97.9</b>	<b>1511 95.6</b>	<b>1491 94.4</b>	<b>1519 96.1</b>	<b>1540 97.5</b>	<b>1478 93.5</b>	<b>1445 91.5</b>	<b>1445 91.5</b>	<b>1445 91.5</b>	<b>1443 91.3</b>
<b>Aneurin Bevan University HB</b>															
Blaenau Gwent LA	197	194 98.5	194 98.5	194 98.5	194 98.5	194 98.5	193 98.0	186 94.4	192 97.5	190 96.4	177 89.8	180 91.4	180 91.4	180 91.4	180 91.4
Caerphilly LA	553	546 98.7	546 98.7	546 98.7	546 98.7	546 98.7	541 97.8	528 95.5	533 96.4	543 98.2	512 92.6	507 91.7	507 91.7	507 91.7	507 91.7
Monmouthshire LA	237	221 93.2	221 93.2	221 93.2	221 93.2	220 92.8	218 92.0	216 91.1	215 90.7	223 94.1	212 89.5	216 91.1	216 91.1	216 91.1	216 91.1
Newport LA	515	503 97.7	503 97.7	503 97.7	502 97.5	501 97.3	483 93.8	484 94.0	476 92.4	504 97.9	483 93.8	483 93.8	483 93.8	483 93.8	482 93.6
Torfaen LA	279	276 98.9	276 98.9	276 98.9	275 98.6	275 98.6	272 97.5	270 96.8	268 96.1	274 98.2	255 91.4	254 91.0	254 91.0	254 91.0	254 91.0
<b>Health Board Total</b>	<b>1781</b>	<b>1740 97.7</b>	<b>1740 97.7</b>	<b>1740 97.7</b>	<b>1738 97.6</b>	<b>1736 97.5</b>	<b>1707 95.8</b>	<b>1684 94.6</b>	<b>1684 94.6</b>	<b>1734 97.4</b>	<b>1639 92.0</b>	<b>1640 92.1</b>	<b>1640 92.1</b>	<b>1640 92.1</b>	<b>1639 92.0</b>
<b>Betsi Cadwaladr University HB</b>															
Anglesey LA	216	213 98.6	213 98.6	213 98.6	213 98.6	213 98.6	212 98.1	208 96.3	211 97.7	214 99.1	207 95.8	209 96.8	209 96.8	209 96.8	209 96.8
Conwy LA	319	309 96.9	309 96.9	309 96.9	309 96.9	309 96.9	306 95.9	304 95.3	302 94.7	311 97.5	296 92.8	300 94.0	300 94.0	300 94.0	300 94.0
Denbighshire LA	258	254 98.4	254 98.4	254 98.4	254 98.4	254 98.4	249 96.5	250 96.9	251 97.3	256 99.2	242 93.8	245 95.0	245 95.0	245 95.0	245 95.0
Flintshire LA	442	425 96.2	425 96.2	424 95.9	424 95.9	423 95.7	416 94.1	415 93.9	416 94.1	420 95.0	409 92.5	412 93.2	412 93.2	412 93.2	412 93.2
Gwynedd LA	320	309 96.6	309 96.6	309 96.6	309 96.6	308 96.3	299 93.4	299 93.4	306 95.6	309 96.6	294 91.9	297 92.8	297 92.8	297 92.8	297 92.8
Wrexham LA	447	434 97.1	434 97.1	434 97.1	432 96.6	431 96.4	422 94.4	426 95.3	417 93.3	437 97.8	414 92.6	428 95.7	428 95.7	428 95.7	428 95.7
<b>Health Board Total</b>	<b>2002</b>	<b>1944 97.1</b>	<b>1944 97.1</b>	<b>1943 97.1</b>	<b>1941 97.0</b>	<b>1938 96.8</b>	<b>1904 95.1</b>	<b>1902 95.0</b>	<b>1903 95.1</b>	<b>1947 97.3</b>	<b>1862 93.0</b>	<b>1891 94.5</b>	<b>1891 94.5</b>	<b>1891 94.5</b>	<b>1891 94.5</b>
<b>Cardiff and Vale University HB</b>															
Cardiff LA	1200	1148 95.7	1148 95.7	1148 95.7	1146 95.5	1139 94.9	1095 91.3	1083 90.3	1102 91.8	1157 96.4	1077 89.8	1092 91.0	1092 91.0	1092 91.0	1093 91.1
Vale of Glamorgan LA	387	375 96.9	375 96.9	375 96.9	375 96.9	375 96.9	370 95.6	369 95.3	369 95.3	378 97.7	364 94.1	367 94.8	367 94.8	367 94.8	367 94.8
<b>Health Board Total</b>	<b>1587</b>	<b>1523 96.0</b>	<b>1523 96.0</b>	<b>1523 96.0</b>	<b>1521 95.8</b>	<b>1514 95.4</b>	<b>1465 92.3</b>	<b>1452 91.5</b>	<b>1471 92.7</b>	<b>1535 96.7</b>	<b>1441 90.8</b>	<b>1459 91.9</b>	<b>1459 91.9</b>	<b>1459 91.9</b>	<b>1460 92.0</b>
<b>Cwm Taf University HB</b>															
Merthyr Tydfil LA	183	176 96.2	176 96.2	176 96.2	175 95.6	174 95.1	173 94.5	172 94.0	171 93.4	178 97.3	174 95.1	174 95.1	174 95.1	174 95.1	174 95.1
Rhondda Cynon Taf LA	680	669 98.4	669 98.4	669 98.4	669 98.4	669 98.4	658 96.8	658 96.8	654 96.2	669 98.4	629 92.5	630 92.6	630 92.6	630 92.6	630 92.6
<b>Health Board Total</b>	<b>863</b>	<b>845 97.9</b>	<b>845 97.9</b>	<b>845 97.9</b>	<b>844 97.8</b>	<b>843 97.7</b>	<b>831 96.3</b>	<b>830 96.2</b>	<b>825 95.6</b>	<b>847 98.1</b>	<b>803 93.0</b>	<b>804 93.2</b>	<b>804 93.2</b>	<b>804 93.2</b>	<b>804 93.2</b>
<b>Hywel Dda University HB</b>															
Carmarthenshire LA	499	487 97.6	487 97.6	487 97.6	486 97.4	486 97.4	476 95.4	469 94.0	471 94.4	489 98.0	457 91.6	449 90.0	449 90.0	449 90.0	449 90.0
Ceredigion LA	192	181 94.3	181 94.3	181 94.3	181 94.3	181 94.3	176 91.7	179 93.2	178 92.7	181 94.3	177 92.2	179 93.2	179 93.2	179 93.2	179 93.2
Pembrokeshire LA	325	313 96.3	313 96.3	313 96.3	313 96.3	312 96.0	302 92.9	302 92.9	303 93.2	315 96.9	292 89.8	300 92.3	300 92.3	300 92.3	300 92.3
<b>Health Board Total</b>	<b>1016</b>	<b>981 96.6</b>	<b>981 96.6</b>	<b>981 96.6</b>	<b>980 96.5</b>	<b>979 96.4</b>	<b>954 93.9</b>	<b>950 93.5</b>	<b>952 93.7</b>	<b>985 96.9</b>	<b>926 91.1</b>	<b>928 91.3</b>	<b>928 91.3</b>	<b>928 91.3</b>	<b>928 91.3</b>
<b>Powys Teaching HB</b>	<b>314</b>	<b>297 94.6</b>	<b>297 94.6</b>	<b>297 94.6</b>	<b>297 94.6</b>	<b>297 94.6</b>	<b>293 93.3</b>	<b>291 92.7</b>	<b>289 92.0</b>	<b>296 94.3</b>	<b>287 91.4</b>	<b>289 92.0</b>	<b>289 92.0</b>	<b>289 92.0</b>	<b>289 92.0</b>
Unknown	18	18 100.0	18 100.0	18 100.0	18 100.0	18 100.0	18 100.0	18 100.0	18 100.0	18 100.0	17 94.4	17 94.4	17 94.4	17 94.4	17 94.4
<b>Wales Total</b>	<b>9161</b>	<b>8899 97.1</b>	<b>8899 97.1</b>	<b>8898 97.1</b>	<b>8890 97.0</b>	<b>8872 96.8</b>	<b>8683 94.8</b>	<b>8618 94.1</b>	<b>8661 94.5</b>	<b>8902 97.2</b>	<b>8453 92.3</b>	<b>8473 92.5</b>	<b>8473 92.5</b>	<b>8473 92.5</b>	<b>8471 92.5</b>

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

<sup>2</sup> 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 30/09/15.

Area	13 years (2014-15 School Year 8) <sup>1</sup>			14 years (2014-15 School Year 9) <sup>2</sup>						
	Resident girls (n)	HPV 1 dose (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	718	636	88.6	811	705	86.9	705	86.9	676	83.4
Neath Port Talbot LA	666	599	89.9	660	601	91.1	601	91.1	580	87.9
Swansea LA	1191	1061	89.1	1243	1083	87.1	1083	87.1	1062	85.4
<b>Health Board Total</b>	<b>2575</b>	<b>2296</b>	<b>89.2</b>	<b>2714</b>	<b>2389</b>	<b>88.0</b>	<b>2389</b>	<b>88.0</b>	<b>2318</b>	<b>85.4</b>
<b>Aneurin Bevan University HB</b>										
Blaenau Gwent LA	340	322	94.7	343	320	93.3	320	93.3	305	88.9
Caerphilly LA	884	814	92.1	908	835	92.0	834	91.9	812	89.4
Monmouthshire LA	467	375	80.3	475	352	74.1	350	73.7	341	71.8
Newport LA	901	748	83.0	840	685	81.5	685	81.5	664	79.0
Torfaen LA	488	444	91.0	512	459	89.6	459	89.6	450	87.9
<b>Health Board Total</b>	<b>3080</b>	<b>2703</b>	<b>87.8</b>	<b>3078</b>	<b>2651</b>	<b>86.1</b>	<b>2648</b>	<b>86.0</b>	<b>2572</b>	<b>83.6</b>
<b>Betsi Cadwaladr University HB</b>										
Anglesey LA	349	299	85.7	353	316	89.5	315	89.2	303	85.8
Conwy LA	526	447	85.0	613	543	88.6	542	88.4	532	86.8
Denbighshire LA	456	384	84.2	524	468	89.3	470	89.7	461	88.0
Flintshire LA	793	671	84.6	798	717	89.8	717	89.8	704	88.2
Gwynedd LA	547	386	70.6	587	525	89.4	525	89.4	517	88.1
Wrexham LA	609	506	83.1	674	608	90.2	603	89.5	595	88.3
<b>Health Board Total</b>	<b>3280</b>	<b>2693</b>	<b>82.1</b>	<b>3549</b>	<b>3177</b>	<b>89.5</b>	<b>3172</b>	<b>89.4</b>	<b>3112</b>	<b>87.7</b>
<b>Cardiff and Vale University HB</b>										
Cardiff LA	1679	1382	82.3	1703	1367	80.3	1370	80.4	1280	75.2
Vale of Glamorgan LA	628	552	87.9	641	530	82.7	533	83.2	503	78.5
<b>Health Board Total</b>	<b>2307</b>	<b>1934</b>	<b>83.8</b>	<b>2344</b>	<b>1897</b>	<b>80.9</b>	<b>1903</b>	<b>81.2</b>	<b>1783</b>	<b>76.1</b>
<b>Cwm Taf University HB</b>										
Merthyr Tydfil LA	280	260	92.9	278	259	93.2	258	92.8	257	92.4
Rhondda Cynon Taf LA	1121	1071	95.5	1152	1077	93.5	1077	93.5	1065	92.4
<b>Health Board Total</b>	<b>1401</b>	<b>1331</b>	<b>95.0</b>	<b>1430</b>	<b>1336</b>	<b>93.4</b>	<b>1335</b>	<b>93.4</b>	<b>1322</b>	<b>92.4</b>
<b>Hywel Dda University HB</b>										
Carmarthenshire LA	852	783	91.9	827	766	92.6	766	92.6	757	91.5
Ceredigion LA	298	260	87.2	286	258	90.2	258	90.2	254	88.8
Pembrokeshire LA	519	444	85.5	543	460	84.7	458	84.3	445	82.0
<b>Health Board Total</b>	<b>1669</b>	<b>1487</b>	<b>89.1</b>	<b>1656</b>	<b>1484</b>	<b>89.6</b>	<b>1482</b>	<b>89.5</b>	<b>1456</b>	<b>87.9</b>
<b>Powys Teaching HB</b>	<b>600</b>	<b>500</b>	<b>83.3</b>	<b>607</b>	<b>489</b>	<b>80.6</b>	<b>490</b>	<b>80.7</b>	<b>473</b>	<b>77.9</b>
Unknown	56	42	75.0	80	61	76.3	61	76.3	59	73.8
<b>Wales Total</b>	<b>14968</b>	<b>12986</b>	<b>86.8</b>	<b>15458</b>	<b>13484</b>	<b>87.2</b>	<b>13480</b>	<b>87.2</b>	<b>13095</b>	<b>84.7</b>

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

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

**Table 8.** MMR and Td/IPV vaccine uptake in children reaching their 15th birthday between 01/07/15 and 30/09/15 and resident on 30/09/15 (with breakdown of MMR1 and MMR2 coverage by sex).

Area	Resident children		Teenage 3 in 1						Resident girls		MMR1 (girls)		MMR2 (girls)		Resident boys		MMR1 (boys)		MMR2 (boys)	
	(n)	MMR1 (%)	MMR2 (%)	booster <sup>1</sup> (n)	MenC (%)	(n)	(%)	(n)	(%)	(n)	(%)	(n)	(%)	(n)	(%)	(n)	(%)	(n)	(%)	
<b><u>Abertawe Bro Morgannwg University HB</u></b>																				
Bridgend LA	376	365	97.1	343	91.2	332	88.3	336	89.4	195	191	97.9	180	92.3	181	174	96.1	163	90.1	
Neath Port Talbot LA	380	367	96.6	336	88.4	313	82.4	315	82.9	179	173	96.6	160	89.4	201	194	96.5	176	87.6	
Swansea LA	612	569	93.0	532	86.9	543	88.7	531	86.8	289	265	91.7	246	85.1	323	304	94.1	286	88.5	
<b>Health Board Total</b>	<b>1368</b>	<b>1301</b>	<b>95.1</b>	<b>1211</b>	<b>88.5</b>	<b>1188</b>	<b>86.8</b>	<b>1182</b>	<b>86.4</b>	<b>663</b>	<b>629</b>	<b>94.9</b>	<b>586</b>	<b>88.4</b>	<b>705</b>	<b>672</b>	<b>95.3</b>	<b>625</b>	<b>88.7</b>	
<b><u>Aneurin Bevan University HB</u></b>																				
Blaenau Gwent LA	168	161	95.8	154	91.7	139	82.7	139	82.7	86	82	95.3	78	90.7	82	79	96.3	76	92.7	
Caerphilly LA	519	505	97.3	484	93.3	429	82.7	431	83.0	235	226	96.2	215	91.5	284	279	98.2	269	94.7	
Monmouthshire LA	266	239	89.8	221	83.1	209	78.6	206	77.4	120	111	92.5	107	89.2	146	128	87.7	114	78.1	
Newport LA	478	451	94.4	423	88.5	385	80.5	383	80.1	220	206	93.6	194	88.2	258	245	95.0	229	88.8	
Torfaen LA	257	250	97.3	243	94.6	215	83.7	216	84.0	110	107	97.3	104	94.5	147	143	97.3	139	94.6	
<b>Health Board Total</b>	<b>1688</b>	<b>1606</b>	<b>95.1</b>	<b>1525</b>	<b>90.3</b>	<b>1377</b>	<b>81.6</b>	<b>1375</b>	<b>81.5</b>	<b>771</b>	<b>732</b>	<b>94.9</b>	<b>698</b>	<b>90.5</b>	<b>917</b>	<b>874</b>	<b>95.3</b>	<b>827</b>	<b>90.2</b>	
<b><u>Betsi Cadwaladr University HB</u></b>																				
Anglesey LA	166	155	93.4	153	92.2	128	77.1	126	75.9	80	74	92.5	74	92.5	86	81	94.2	79	91.9	
Conwy LA	277	257	92.8	245	88.4	222	80.1	225	81.2	127	117	92.1	110	86.6	150	140	93.3	135	90.0	
Denbighshire LA	274	254	92.7	237	86.5	226	82.5	226	82.5	130	120	92.3	111	85.4	143	134	93.7	126	88.1	
Flintshire LA	405	389	96.0	377	93.1	340	84.0	332	82.0	192	184	95.8	181	94.3	213	205	96.2	196	92.0	
Gwynedd LA	309	293	94.8	285	92.2	260	84.1	253	81.9	150	140	93.3	137	91.3	159	153	96.2	148	93.1	
Wrexham LA	379	361	95.3	349	92.1	317	83.6	308	81.3	198	187	94.4	178	89.9	181	174	96.1	171	94.5	
<b>Health Board Total</b>	<b>1810</b>	<b>1709</b>	<b>94.4</b>	<b>1646</b>	<b>90.9</b>	<b>1493</b>	<b>82.5</b>	<b>1470</b>	<b>81.2</b>	<b>877</b>	<b>822</b>	<b>93.7</b>	<b>791</b>	<b>90.2</b>	<b>932</b>	<b>887</b>	<b>95.2</b>	<b>855</b>	<b>91.7</b>	
<b><u>Cardiff and Vale University HB</u></b>																				
Cardiff LA	956	911	95.3	855	89.4	722	75.5	697	72.9	457	437	95.6	410	89.7	499	474	95.0	445	89.2	
Vale of Glamorgan LA	349	337	96.6	322	92.3	277	79.4	272	77.9	163	158	96.9	155	95.1	186	179	96.2	167	89.8	
<b>Health Board Total</b>	<b>1305</b>	<b>1248</b>	<b>95.6</b>	<b>1177</b>	<b>90.2</b>	<b>999</b>	<b>76.6</b>	<b>969</b>	<b>74.3</b>	<b>620</b>	<b>595</b>	<b>96.0</b>	<b>565</b>	<b>91.1</b>	<b>685</b>	<b>653</b>	<b>95.3</b>	<b>612</b>	<b>89.3</b>	
<b><u>Cwm Taf University HB</u></b>																				
Merthyr Tydfil LA	172	167	97.1	157	91.3	157	91.3	156	90.7	71	69	97.2	68	95.8	101	98	97.0	89	88.1	
Rhondda Cynon Taf LA	621	603	97.1	564	90.8	564	90.8	564	90.8	279	272	97.5	254	91.0	342	331	96.8	310	90.6	
<b>Health Board Total</b>	<b>793</b>	<b>770</b>	<b>97.1</b>	<b>721</b>	<b>90.9</b>	<b>721</b>	<b>90.9</b>	<b>720</b>	<b>90.8</b>	<b>350</b>	<b>341</b>	<b>97.4</b>	<b>322</b>	<b>92.0</b>	<b>443</b>	<b>429</b>	<b>96.8</b>	<b>399</b>	<b>90.1</b>	
<b><u>Hywel Dda University HB</u></b>																				
Carmarthenshire LA	417	394	94.5	369	88.5	352	84.4	348	83.5	193	184	95.3	174	90.2	224	210	93.8	195	87.1	
Ceredigion LA	161	153	95.0	149	92.5	141	87.6	140	87.0	74	70	94.6	69	93.2	87	83	95.4	80	92.0	
Pembrokeshire LA	332	311	93.7	294	88.6	267	80.4	259	78.0	173	162	93.6	151	87.3	159	149	93.7	143	89.9	
<b>Health Board Total</b>	<b>910</b>	<b>858</b>	<b>94.3</b>	<b>812</b>	<b>89.2</b>	<b>760</b>	<b>83.5</b>	<b>747</b>	<b>82.1</b>	<b>440</b>	<b>416</b>	<b>94.5</b>	<b>394</b>	<b>89.5</b>	<b>470</b>	<b>442</b>	<b>94.0</b>	<b>418</b>	<b>88.9</b>	
<b><u>Powys Teaching HB</u></b>	<b>349</b>	<b>321</b>	<b>92.0</b>	<b>299</b>	<b>85.7</b>	<b>270</b>	<b>77.4</b>	<b>262</b>	<b>75.1</b>	<b>171</b>	<b>158</b>	<b>92.4</b>	<b>147</b>	<b>86.0</b>	<b>178</b>	<b>163</b>	<b>91.6</b>	<b>152</b>	<b>85.4</b>	
Unknown	35	31	88.6	29	82.9	29	82.9	28	80.0	19	17	89.5	17	89.5	16	14	87.5	12	75.0	
<b>Wales Total</b>	<b>8258</b>	<b>7844</b>	<b>95.0</b>	<b>7420</b>	<b>89.9</b>	<b>6837</b>	<b>82.8</b>	<b>6753</b>	<b>81.8</b>	<b>3911</b>	<b>3710</b>	<b>94.9</b>	<b>3520</b>	<b>90.0</b>	<b>4346</b>	<b>4134</b>	<b>95.1</b>	<b>3900</b>	<b>89.7</b>	

<sup>1</sup> Teenage booster dose of diphtheria, tetanus and polio (diphtheria used as proxy)

<sup>2</sup> MenC teenage booster

**Table 9.** MMR and Td/IPV vaccine uptake in children reaching their 16th birthday 01/07/15 and 30/09/15 and resident on 30/09/15 (with breakdown of MMR1 and MMR2 coverage by sex).

Area	Resident children		Teenage 3 in 1 booster <sup>1</sup>					Resident girls		MMR1 (girls)		MMR2 (girls)		Resident boys		MMR1 (boys)		MMR2 (boys)	
	(n)	(n) (%)	(n)	(%)	(n)	(%)	(n)	(%)	(n)	(n) (%)	(n)	(%)	(n)	(n) (%)	(n)	(n) (%)	(n)	(%)	
<b>Abertawe Bro Morgannwg University HB</b>	(n)	(n) (%)	(n)	(%)	(n)	(%)	(n)	(%)	(n)	(n) (%)	(n)	(%)	(n)	(n) (%)	(n)	(n) (%)	(n)	(%)	
Bridgend LA	403	393 97.5	380	94.3	318	78.9	192	187 97.4	183	95.3	211	206 97.6	197	93.4					
Neath Port Talbot LA	364	353 97.0	323	88.7	301	82.7	169	164 97.0	150	88.8	195	189 96.9	173	88.7					
Swansea LA	643	616 95.8	576	89.6	553	86.0	302	289 95.7	269	89.1	341	327 95.9	307	90.0					
<b>Health Board Total</b>	<b>1410</b>	<b>1362 96.6</b>	<b>1279 90.7</b>	<b>1172 83.1</b>	<b>663</b>	<b>640 96.5</b>	<b>602 90.8</b>	<b>747</b>	<b>722 96.7</b>	<b>677 90.6</b>									
<b>Aneurin Bevan University HB</b>																			
Blaenau Gwent LA	224	216 96.4	207	92.4	191	85.3	111	107 96.4	103	92.8	113	109 96.5	104	92.0					
Caerphilly LA	561	553 98.6	525	93.6	472	84.1	269	262 97.4	252	93.7	292	291 99.7	273	93.5					
Monmouthshire LA	267	241 90.3	232	86.9	196	73.4	139	129 92.8	126	90.6	127	112 88.2	106	83.5					
Newport LA	485	451 93.0	417	86.0	372	76.7	232	219 94.4	203	87.5	253	232 91.7	214	84.6					
Torfaen LA	266	263 98.9	251	94.4	223	83.8	136	134 98.5	129	94.9	130	129 99.2	122	93.8					
<b>Health Board Total</b>	<b>1803</b>	<b>1724 95.6</b>	<b>1632 90.5</b>	<b>1454 80.6</b>	<b>887</b>	<b>851 95.9</b>	<b>813 91.7</b>	<b>915</b>	<b>873 95.4</b>	<b>819 89.5</b>									
<b>Betsi Cadwaladr University HB</b>																			
Anglesey LA	190	184 96.8	176	92.6	152	80.0	103	98 95.1	95	92.2	87	86 98.9	81	93.1					
Conwy LA	306	288 94.1	275	89.9	276	90.2	146	138 94.5	129	88.4	160	150 93.8	146	91.3					
Denbighshire LA	272	248 91.2	230	84.6	224	82.4	123	113 91.9	107	87.0	149	135 90.6	123	82.6					
Flintshire LA	405	382 94.3	369	91.1	349	86.2	198	183 92.4	175	88.4	207	199 96.1	194	93.7					
Gwynedd LA	322	308 95.7	298	92.5	285	88.5	161	153 95.0	149	92.5	161	155 96.3	149	92.5					
Wrexham LA	375	366 97.6	357	95.2	310	82.7	184	181 98.4	178	96.7	191	185 96.9	179	93.7					
<b>Health Board Total</b>	<b>1870</b>	<b>1776 95.0</b>	<b>1705 91.2</b>	<b>1596 85.3</b>	<b>915</b>	<b>866 94.6</b>	<b>833 91.0</b>	<b>955</b>	<b>910 95.3</b>	<b>872 91.3</b>									
<b>Cardiff and Vale University HB</b>																			
Cardiff LA	882	823 93.3	763	86.5	693	78.6	455	430 94.5	396	87.0	427	393 92.0	367	85.9					
Vale of Glamorgan LA	388	360 92.8	344	88.7	313	80.7	181	164 90.6	155	85.6	207	196 94.7	189	91.3					
<b>Health Board Total</b>	<b>1270</b>	<b>1183 93.1</b>	<b>1107 87.2</b>	<b>1006 79.2</b>	<b>636</b>	<b>594 93.4</b>	<b>551 86.6</b>	<b>634</b>	<b>589 92.9</b>	<b>556 87.7</b>									
<b>Cwm Taf University HB</b>																			
Merthyr Tydfil LA	188	177 94.1	160	85.1	175	93.1	85	83 97.6	73	85.9	103	94 91.3	87	84.5					
Rhondda Cynon Taf LA	632	611 96.7	577	91.3	570	90.2	328	319 97.3	298	90.9	304	292 96.1	279	91.8					
<b>Health Board Total</b>	<b>820</b>	<b>788 96.1</b>	<b>737 89.9</b>	<b>745 90.9</b>	<b>413</b>	<b>402 97.3</b>	<b>371 89.8</b>	<b>407</b>	<b>386 94.8</b>	<b>366 89.9</b>									
<b>Hywel Dda University HB</b>																			
Carmarthenshire LA	401	374 93.3	346	86.3	335	83.5	184	175 95.1	166	90.2	217	199 91.7	180	82.9					
Ceredigion LA	154	148 96.1	143	92.9	134	87.0	81	77 95.1	74	91.4	73	71 97.3	69	94.5					
Pembrokeshire LA	341	319 93.5	307	90.0	268	78.6	162	149 92.0	144	88.9	179	170 95.0	163	91.1					
<b>Health Board Total</b>	<b>896</b>	<b>841 93.9</b>	<b>796 88.8</b>	<b>737 82.3</b>	<b>427</b>	<b>401 93.9</b>	<b>384 89.9</b>	<b>469</b>	<b>440 93.8</b>	<b>412 87.8</b>									
<b>Powys Teaching HB</b>	<b>366</b>	<b>335 91.5</b>	<b>316 86.3</b>	<b>269 73.5</b>	<b>163</b>	<b>151 92.6</b>	<b>142 87.1</b>	<b>202</b>	<b>184 91.1</b>	<b>174 86.1</b>									
Unknown	52	48 92.3	45	86.5	38	73.1	24	21 87.5	20	83.3	28	27 96.4	25	89.3					
<b>Wales Total</b>	<b>8487</b>	<b>8057 94.9</b>	<b>7617 89.7</b>	<b>7017 82.7</b>	<b>4128</b>	<b>3926 95.1</b>	<b>3716 90.0</b>	<b>4357</b>	<b>4131 94.8</b>	<b>3901 89.5</b>									

<sup>1</sup> 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 30/09/15.

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	
	(n)	(n)	(%)	(n)	(%)	(n)	(%)	(n)	(n)	(%)	(n)	(%)	(n)	(%)	(n)	(n)	(%)	(n)	(%)	(n)	(%)
<b>ABM UHB</b>																					
Bridgend LA	730	677	92.7	676	92.6	673	92.2	761	691	90.8	691	90.8	689	90.5	789	721	91.4	721	91.4	712	90.2
Neath Port Talbot LA	651	611	93.9	609	93.5	601	92.3	729	665	91.2	663	90.9	661	90.7	777	730	94.0	731	94.1	723	93.1
Swansea LA	1211	1090	90.0	1090	90.0	1075	88.8	1160	1040	89.7	1040	89.7	1032	89.0	1254	1122	89.5	1121	89.4	1107	88.3
<b>Health Board Total</b>	<b>2592</b>	<b>2378</b>	<b>91.7</b>	<b>2375</b>	<b>91.6</b>	<b>2349</b>	<b>90.6</b>	<b>2650</b>	<b>2396</b>	<b>90.4</b>	<b>2394</b>	<b>90.3</b>	<b>2382</b>	<b>89.9</b>	<b>2820</b>	<b>2573</b>	<b>91.2</b>	<b>2573</b>	<b>91.2</b>	<b>2542</b>	<b>90.1</b>
<b>Aneurin Bevan UHB</b>																					
Blaenau Gwent LA	369	339	91.9	339	91.9	330	89.4	380	361	95.0	362	95.3	356	93.7	400	363	90.8	361	90.3	358	89.5
Caerphilly LA	930	836	89.9	836	89.9	828	89.0	1000	924	92.4	926	92.6	919	91.9	1024	932	91.0	931	90.9	916	89.5
Monmouthshire LA	541	429	79.3	429	79.3	424	78.4	525	414	78.9	411	78.3	406	77.3	506	383	75.7	383	75.7	379	74.9
Newport LA	876	763	87.1	762	87.0	743	84.8	940	799	85.0	799	85.0	787	83.7	995	846	85.0	845	84.9	837	84.1
Torfaen LA	470	413	87.9	413	87.9	401	85.3	538	490	91.1	489	90.9	479	89.0	576	522	90.6	523	90.8	519	90.1
<b>Health Board Total</b>	<b>3186</b>	<b>2780</b>	<b>87.3</b>	<b>2779</b>	<b>87.2</b>	<b>2726</b>	<b>85.6</b>	<b>3383</b>	<b>2988</b>	<b>88.3</b>	<b>2987</b>	<b>88.3</b>	<b>2947</b>	<b>87.1</b>	<b>3501</b>	<b>3046</b>	<b>87.0</b>	<b>3043</b>	<b>86.9</b>	<b>3009</b>	<b>85.9</b>
<b>Betsi Cadwaladr UHB</b>																					
Anglesey LA	339	302	89.1	303	89.4	301	88.8	357	315	88.2	315	88.2	307	86.0	358	329	91.9	329	91.9	327	91.3
Conwy LA	589	529	89.8	528	89.6	521	88.5	589	533	90.5	533	90.5	531	90.2	565	517	91.5	516	91.3	506	89.6
Denbighshire LA	512	441	86.1	441	86.1	437	85.4	551	491	89.1	491	89.1	488	88.6	528	485	91.9	482	91.3	475	90.0
Flintshire LA	791	704	89.0	703	88.9	691	87.4	791	713	90.1	714	90.3	707	89.4	834	758	90.9	758	90.9	750	89.9
Gwynedd LA	597	538	90.1	535	89.6	534	89.4	643	573	89.1	572	89.0	564	87.7	603	531	88.1	530	87.9	527	87.4
Wrexham LA	705	617	87.5	615	87.2	608	86.2	677	606	89.5	606	89.5	605	89.4	716	649	90.6	649	90.6	648	90.5
<b>Health Board Total</b>	<b>3533</b>	<b>3131</b>	<b>88.6</b>	<b>3125</b>	<b>88.5</b>	<b>3092</b>	<b>87.5</b>	<b>3608</b>	<b>3231</b>	<b>89.6</b>	<b>3231</b>	<b>89.6</b>	<b>3202</b>	<b>88.7</b>	<b>3604</b>	<b>3269</b>	<b>90.7</b>	<b>3264</b>	<b>90.6</b>	<b>3233</b>	<b>89.7</b>
<b>Cardiff &amp; Vale UHB</b>																					
Cardiff LA	1747	1496	85.6	1493	85.5	1433	82.0	1791	1514	84.5	1513	84.5	1456	81.3	1900	1574	82.8	1573	82.8	1516	79.8
Vale of Glamorgan LA	701	637	90.9	638	91.0	607	86.6	777	654	84.2	655	84.3	635	81.7	813	674	82.9	670	82.4	640	78.7
<b>Health Board Total</b>	<b>2448</b>	<b>2133</b>	<b>87.1</b>	<b>2131</b>	<b>87.1</b>	<b>2040</b>	<b>83.3</b>	<b>2568</b>	<b>2168</b>	<b>84.4</b>	<b>2168</b>	<b>84.4</b>	<b>2091</b>	<b>81.4</b>	<b>2713</b>	<b>2248</b>	<b>82.9</b>	<b>2243</b>	<b>82.7</b>	<b>2156</b>	<b>79.5</b>
<b>Cwm Taf UHB</b>																					
Merthyr Tydfil LA	309	286	92.6	286	92.6	282	91.3	306	279	91.2	279	91.2	279	91.2	334	305	91.3	305	91.3	301	90.1
Rhondda Cynon Taf LA	1181	1116	94.5	1116	94.5	1109	93.9	1242	1176	94.7	1175	94.6	1166	93.9	1284	1207	94.0	1205	93.8	1186	92.4
<b>Health Board Total</b>	<b>1490</b>	<b>1402</b>	<b>94.1</b>	<b>1402</b>	<b>94.1</b>	<b>1391</b>	<b>93.4</b>	<b>1548</b>	<b>1455</b>	<b>94.0</b>	<b>1454</b>	<b>93.9</b>	<b>1445</b>	<b>93.3</b>	<b>1618</b>	<b>1512</b>	<b>93.4</b>	<b>1510</b>	<b>93.3</b>	<b>1487</b>	<b>91.9</b>
<b>Hywel Dda UHB</b>																					
Cardarshenshire LA	739	654	88.5	655	88.6	651	88.1	803	737	91.8	737	91.8	733	91.3	832	749	90.0	748	89.9	743	89.3
Ceredigion LA	310	270	87.1	270	87.1	267	86.1	310	265	85.5	265	85.5	264	85.2	336	284	84.5	284	84.5	279	83.0
Pembrokeshire LA	614	530	86.3	528	86.0	520	84.7	650	554	85.2	553	85.1	535	82.3	633	546	86.3	546	86.3	538	85.0
<b>Health Board Total</b>	<b>1663</b>	<b>1454</b>	<b>87.4</b>	<b>1453</b>	<b>87.4</b>	<b>1438</b>	<b>86.5</b>	<b>1763</b>	<b>1556</b>	<b>88.3</b>	<b>1555</b>	<b>88.2</b>	<b>1532</b>	<b>86.9</b>	<b>1801</b>	<b>1579</b>	<b>87.7</b>	<b>1578</b>	<b>87.6</b>	<b>1560</b>	<b>86.6</b>
<b>Powys Teaching LHB</b>	<b>648</b>	<b>519</b>	<b>80.1</b>	<b>518</b>	<b>79.9</b>	<b>510</b>	<b>78.7</b>	<b>723</b>	<b>605</b>	<b>83.7</b>	<b>602</b>	<b>83.3</b>	<b>593</b>	<b>82.0</b>	<b>701</b>	<b>593</b>	<b>84.6</b>	<b>590</b>	<b>84.2</b>	<b>578</b>	<b>82.5</b>
Unknown	71	56	78.9	56	78.9	56	78.9	74	57	77.0	57	77.0	57	77.0	99	67	67.7	66	66.7	67	67.7
<b>Wales Total</b>	<b>15631</b>	<b>13853</b>	<b>88.6</b>	<b>13839</b>	<b>88.5</b>	<b>13602</b>	<b>87.0</b>	<b>16317</b>	<b>14456</b>	<b>88.6</b>	<b>14448</b>	<b>88.5</b>	<b>14249</b>	<b>87.3</b>	<b>16857</b>	<b>14887</b>	<b>88.3</b>	<b>14867</b>	<b>88.2</b>	<b>14632</b>	<b>86.8</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 01/07/15 and 30/09/15 and resident on 30/09/15.

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	(%)
<b><u>Abertawe Bro Morgannwg University HB</u></b>	(n)	(n)	(%)	(n)	(n)	(%)	(n)	(n)	(%)	(n)	(n)	(%)
Bridgend LA	370	9	2.4	422	24	5.7	454	22	4.8	403	8	2.0
Neath Port Talbot LA	383	5	1.3	411	13	3.2	427	13	3.0	364	3	0.8
Swansea LA	675	78	11.6	645	63	9.8	699	81	11.6	643	17	2.6
<b>Health Board Total</b>	<b>1428</b>	<b>92</b>	<b>6.4</b>	<b>1478</b>	<b>100</b>	<b>6.8</b>	<b>1580</b>	<b>116</b>	<b>7.3</b>	<b>1410</b>	<b>28</b>	<b>2.0</b>
<b><u>Aneurin Bevan University HB</u></b>												
Blaenau Gwent LA	189	6	3.2	198	3	1.5	197	3	1.5	224	1	0.4
Caerphilly LA	541	10	1.8	552	12	2.2	553	9	1.6	561	3	0.5
Monmouthshire LA	191	7	3.7	187	3	1.6	237	14	5.9	267	11	4.1
Newport LA	521	71	13.6	494	66	13.4	515	73	14.2	485	31	6.4
Torfaen LA	262	2	0.8	312	4	1.3	279	6	2.2	266	2	0.8
<b>Health Board Total</b>	<b>1704</b>	<b>96</b>	<b>5.6</b>	<b>1743</b>	<b>88</b>	<b>5.0</b>	<b>1781</b>	<b>105</b>	<b>5.9</b>	<b>1803</b>	<b>48</b>	<b>2.7</b>
<b><u>Betsi Cadwaladr University HB</u></b>												
Anglesey LA	180	5	2.8	183	3	1.6	216	7	3.2	190	5	2.6
Conwy LA	289	11	3.8	289	15	5.2	319	10	3.1	306	12	3.9
Denbighshire LA	287	15	5.2	272	13	4.8	258	13	5.0	272	9	3.3
Flintshire LA	394	15	3.8	411	14	3.4	442	23	5.2	405	7	1.7
Gwynedd LA	308	12	3.9	306	7	2.3	320	14	4.4	322	7	2.2
Wrexham LA	433	30	6.9	422	24	5.7	447	25	5.6	375	12	3.2
<b>Health Board Total</b>	<b>1891</b>	<b>88</b>	<b>4.7</b>	<b>1883</b>	<b>76</b>	<b>4.0</b>	<b>2002</b>	<b>92</b>	<b>4.6</b>	<b>1870</b>	<b>52</b>	<b>2.8</b>
<b><u>Cardiff and Vale University HB</u></b>												
Cardiff LA	1198	250	20.9	1171	207	17.7	1200	266	22.2	882	127	14.4
Vale of Glamorgan LA	343	13	3.8	353	8	2.3	387	24	6.2	388	11	2.8
<b>Health Board Total</b>	<b>1541</b>	<b>263</b>	<b>17.1</b>	<b>1524</b>	<b>215</b>	<b>14.1</b>	<b>1587</b>	<b>290</b>	<b>18.3</b>	<b>1270</b>	<b>138</b>	<b>10.9</b>
<b><u>Cwm Taf Univeristy HB</u></b>												
Merthyr Tydfil LA	208	12	5.8	168	12	7.1	183	11	6.0	188	3	1.6
Rhondda Cynon Taf LA	695	22	3.2	707	24	3.4	680	22	3.2	632	5	0.8
<b>Health Board Total</b>	<b>903</b>	<b>34</b>	<b>3.8</b>	<b>875</b>	<b>36</b>	<b>4.1</b>	<b>863</b>	<b>33</b>	<b>3.8</b>	<b>820</b>	<b>8</b>	<b>1.0</b>
<b><u>Hywel Dda University HB</u></b>												
Carmarthenshire LA	459	11	2.4	492	16	3.3	499	25	5.0	401	34	8.5
Ceredigion LA	167	7	4.2	189	10	5.3	192	10	5.2	154	2	1.3
Pembrokeshire LA	314	4	1.3	281	5	1.8	325	9	2.8	341	5	1.5
<b>Health Board Total</b>	<b>940</b>	<b>22</b>	<b>2.3</b>	<b>962</b>	<b>31</b>	<b>3.2</b>	<b>1016</b>	<b>44</b>	<b>4.3</b>	<b>896</b>	<b>41</b>	<b>4.6</b>
<b><u>Powys Teaching Health Board</u></b>	<b>261</b>	<b>8</b>	<b>3.1</b>	<b>286</b>	<b>5</b>	<b>1.7</b>	<b>314</b>	<b>7</b>	<b>2.2</b>	<b>366</b>	<b>6</b>	<b>1.6</b>
Unknown	15	1	6.7	27	2	7.4	18	0	0.0	52	1	1.9
<b>Wales Total</b>	<b>8683</b>	<b>604</b>	<b>7.0</b>	<b>8778</b>	<b>553</b>	<b>6.3</b>	<b>9161</b>	<b>687</b>	<b>7.5</b>	<b>8487</b>	<b>322</b>	<b>3.8</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 01/07/15 and 30/09/15 and resident on 30/09/15.

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 (%)
Abertawe Bro Morgannwg UHB	1428	1	100.0	100.0	100.0	1478	2	100.0	100.0	100.0	100.0	1580	1	100.0	100.0	100.0	100.0
Aneurin Bevan UHB	1704	0	-	-	-	1743	4	100.0	100.0	100.0	100.0	1781	0	-	-	-	-
Betsi Cadwaladr UHB	1891	1	100.0	100.0	100.0	1883	3	100.0	100.0	100.0	100.0	2002	2	100.0	100.0	100.0	100.0
Cardiff and Vale UHB	1541	3	100.0	100.0	100.0	1524	6	100.0	100.0	100.0	100.0	1587	10	100.0	100.0	100.0	90.0
Cwm Taf UHB	903	0	-	-	-	875	0	-	-	-	-	863	0	-	-	-	-
Hywel Dda UHB	940	0	-	-	-	962	0	-	-	-	-	1016	0	-	-	-	-
Powys Teaching HB	261	0	-	-	-	286	0	-	-	-	-	314	0	-	-	-	-
Unknown	15	0	-	-	-	27	0	-	-	-	-	18	0	-	-	-	-
<b>Wales Total</b>	<b>8683</b>	<b>5</b>	<b>100.0</b>	<b>100.0</b>	<b>100.0</b>	<b>8778</b>	<b>15</b>	<b>100.0</b>	<b>100.0</b>	<b>100.0</b>	<b>100.0</b>	<b>9161</b>	<b>13</b>	<b>100.0</b>	<b>100.0</b>	<b>100.0</b>	<b>92.3</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.