

Vaccine Uptake in Children in Wales April to June 2013

COVER 107: Wales August 2013



Key points

- Uptake of all scheduled immunisations in children less than one year of age exceeded the 95% uptake target this quarter. Twenty Local Authority (LA) areas exceeded the 95% uptake target for all routine immunisations in one year olds.
- Uptake of the first dose of MMR vaccine in two year old children was 96% and ranged by LA from 93% to 98%. This is the highest ever uptake of the MMR vaccine in this age group. Fifteen LA areas and five Health Boards achieved the target of 95% uptake.
- This quarter, 86% of children were up to date with all routine immunisations by four years of age.
- Uptake of the second MMR dose by five years of age increased to 92% this quarter.
- Uptake of 4 in 1 pre-school booster in five year old children increased to 93% this quarter.
- Uptake of first dose of Human Papillomavirus (HPV) vaccine in girls in the 2012-13 School Year 8 was 89%, uptake of the second dose is 87% and uptake of the third dose is currently 73%.
- Coverage of one dose of MMR vaccine in 16 year olds this quarter was 94% and coverage of a completed two dose course was 87%.

These results are for children living in Wales in June 2013 and reaching their first, second, fourth, fifth, 15th and 16th birthdays during the quarter 01/04/2013 to 30/06/2013. Uptake of HPV vaccination in girls in the 2012-13 School Year 8 (reaching their 13th birthday between 01/09/2012 and 31/08/2013) is presented, along with coverage in the previous year's School Year 8 group. HPV vaccination protects girls against cervical cancer associated with HPV types 16 and 18. BCG and hepatitis B immunisation uptake data are also presented here. BCG and hepatitis B immunisations are not part of the routine childhood schedule and are given selectively following risk assessment; further information on circumstances in which these immunisations should be given can be found in: Immunisation Against Infectious Disease (The Green Book, available from <http://immunisation.dh.gov.uk/category/the-green-book/>).

Findings

1. Uptake of all three doses of the combined "5 in 1" DTaP/IPV/Hib¹ vaccine, scheduled at 2, 3 and 4 months of age, in children reaching their first birthday this quarter was 96.7% (compared to 96.5% last quarter). Uptake ranged by Health Board from 95.7% to 97.5% and by Local Authority (LA) from 95.4% (Cardiff, Flintshire and Neath Port Talbot) to 98.4% (Ceredigion). All 22 LA areas achieved the target 95% uptake (Figure 3 and Tables 1, 2).

¹ DTaP/IPV/Hib vaccine protects against Diphtheria, Tetanus, Pertussis (Whooping Cough), Polio and Hib infection.

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

2. National uptake of a completed two dose course of MenC² vaccine in children reaching their first birthday this quarter was 96.4% (compared to 96.3% last quarter). Uptake in Health Boards ranged from 95.3% to 97.3% and ranged by LA from 94.9% (Cardiff and Flintshire) to 98.3% (Blaenau Gwent). Twenty LA areas achieved an uptake in excess of the 95% target (Tables 1, 2).
3. Uptake of a complete two dose primary course of pneumococcal conjugate vaccination (PCV2²) in children reaching their first birthday was 96.2% this quarter (compared to 96.1% last quarter), ranging by LA from 94.2% (Cardiff) to 98.4% (Ceredigion). Twenty one LA areas achieved the target 95% uptake (Table 2).
4. Uptake of the first dose of MMR³ in children reaching their second birthday (scheduled at 12 to 13 months of age) was 95.9% this quarter (compared to 95.1% last quarter) and ranged by LA from 92.9% (Cardiff) to 97.7% (Torfaen, Merthyr Tydfil and Rhondda Cynon Taf) (Figure 4 and Tables 1, 3). Five Health Boards and fifteen LA areas achieved the target of 95% uptake.
5. Uptake of the final dose of Pneumococcal Conjugate Vaccine (PCVf, scheduled at 12 to 13 months of age) by the second birthday remained stable at 95.8%. Uptake by LA ranged from 93.0% (Cardiff) to 98.2% (Rhondda Cynon Taf) (Tables 1, 3). Sixteen LA areas achieved an uptake in excess of 95%.
6. Uptake of the Hib/MenC booster (given at 12 months of age) in children reaching two years of age was 94.9% during this quarter (compared to 95.1% last quarter), ranging by LA from 91.2% (Cardiff) to 97.4% (Ceredigion) (Tables 1, 3). Thirteen 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 90.7%, coverage of a complete course of pneumococcal conjugate vaccine was 92.9%, coverage of the Hib/MenC booster was 94.5% and uptake of two doses of MMR was 90.0%. The proportion of children who were up to date with all their routine immunisations at four years of age increased to 85.7% (Table 4). This ranged by HB from 81.5% (Powys Teaching HB) to 88.8% (Cwm Taf HB) and by LA from 79.9% (Newport) to 90.6% (Gwynedd).
8. In children reaching five years of age this quarter, uptake of one dose of MMR increased to 96.9% (from 96.1% last quarter). Uptake of two doses of MMR increased to 92.2%, compared to 90.4% last quarter. Uptake of two doses of MMR ranged by Health Board from 89.7% to 93.4% and by LA from 87.2% (Pembrokeshire) to 96.7% (Gwynedd) (Figure 5, Table 5). Two LA areas exceeded 95% uptake for two doses of MMR by five years of age and eighteen LA areas exceeded 90%.
9. Uptake of the "4 in 1" DTaP/IPV⁴ pre-school booster in children reaching their fifth birthday increased to 92.7% this quarter (from 92.1% last quarter), ranging by Health Board from 89.6% to 94.5% and by LA from 87.2% (Pembrokeshire) to 98.3% (Gwynedd) (Tables 1, 4). Two LA areas achieved the 95% uptake target and twenty LA areas had uptakes in excess of 90% (Figure 6, Table 5).
10. Coverage of a two dose primary course of MenC in children reaching their fifth birthday this quarter remained stable at 95.0%. Coverage ranged by Health Board from 92.5% to 96.7% and by LA from 91.2% (Cardiff) to 97.5% (Rhondda Cynon Taf).
11. Uptake of the first dose of HPV vaccine in girls in the 2012-13 School Year 8 was 89.1% (Table 6), uptake of two doses was 87.0% and uptake of three doses was 72.6%. Data entry and some vaccination sessions for the third dose may not have been completed when data for this report were extracted, as a result uptake for the third dose is expected to increase. Coverage of HPV vaccination in 2011-12 School Year 8 group was at 89.7%, 88.9% and 87.0% for one, two and three doses respectively (Table 6).
12. Coverage of two doses of MMR in children reaching 16 years of age this quarter was 87.0% (compared to 82.1% last quarter), ranging by LA from 79.2% (Carmarthenshire) to 96.0% (Anglesey) (Table 8). Uptake of one dose of MMR was 94.2% (compared to 90.7% last quarter), ranging by LA from 90.1% (Monmouthshire) to 97.2% (Anglesey). Uptake of a full course (two doses of MMR) of immunisation against rubella in 16 year old girls this quarter was 87.7% and uptake of only one dose was 94.1%.

13. National uptake of the Td/IPV⁵ teenage booster in children reaching 16 years of age this quarter was 78.9% (Table 8), ranging by LA from 32.7% (Pembrokeshire) to 88.4% (Bridgend).
14. Coverage of a complete three dose course of HPV vaccine in girls reaching their 15th birthday during 01/09/12 to 31/08/13 (the 2012-13 year 10) is currently 86.6%. Coverage of a complete three dose course of HPV vaccine in girls reaching their 16th birthday during 01/09/12 to 31/08/13 (2012-13 year 11) is currently 84.1%. Coverage of a complete three dose course of HPV vaccine in girls reaching their 17th birthday during 01/09/12 to 31/08/13 (2012-13 year 12) is currently 87.2% (Table 9).
15. Uptake of BCG⁶ immunisation is presented in Table 10. These data are based on notifications of BCG immunisations recorded in the National Community Child Health Database. BCG immunisation has been received by 7.0%, 6.9%, 6.9% and 2.7% of children reaching their first, second, fifth and 16th birthdays (respectively) during quarter one 2013. Highest proportions of children given BCG by one and two years of age this quarter were seen in Cardiff, Newport and Swansea LAs⁷.
16. Uptake of hepatitis B immunisation, recorded through the Child Health System is presented in Table 11. These data are based on reports of hep B immunisations recorded in the National Community Child Health database. Completed vaccination course percentages are only presented for children receiving the first dose of hepatitis B vaccine within seven days of birth. Forty-Seven, 65 and 84 children reaching their 1st, 2nd and 5th birthdays during quarter two 2013, respectively, started hepatitis B immunisation courses in their first week of life. Of these children 55.3%, 84.6% and 85.7% (respectively) were recorded as having completed three doses of the hepatitis B schedule by those birthdays.

³ MMR protects against measles, mumps and rubella infections.

⁴ DTaP/IPV (and dTaP/IPV) vaccines boost protection against Diphtheria, Tetanus, Pertussis and Polio infection before school entry

⁵ Td/IPV boosts protection against Diphtheria, Tetanus and Polio infection before entering adulthood

⁶ BCG protects against tuberculosis infection.

⁷ Numbers of eligible children for BCG and hep B are not known

Comment

Trends in immunisation uptake were positive during this quarter. Uptake of all routine immunisations in babies at one year of age all exceeded 95%. For the second consecutive quarter, uptake of the first dose of MMR vaccine in children at two years of age exceeded the 95% target and although uptake of the second dose in five year olds has not reached 95% yet, it is higher than it has ever previously been. The proportion of children who were up to date with their routine immunisations by four years of age has also increased nationally.

Although routine uptake of MMR in two year olds now exceeds 95% and uptake of a full two dose course in five year olds is approaching 95%, there remain a number of children at older ages who have previously missed out on MMR vaccination. Catch-up of those who have missed out is vital in preventing future outbreaks of measles and mumps, and in ensuring there are high levels of protection against rubella. Guidance on the follow up of children who missed out on routine MMR vaccination was issued in 2005 by Welsh Government[1], it includes specifications on checking of MMR status in children on entry to primary and secondary schools; and maintaining accurate local records on MMR status in children.

Routine vaccination of children against rotavirus began in Wales in July 2013. Rotavirus is a very common and potentially serious intestinal infection seen in young babies. The vaccination is a two dose course which is administered at two and three months of age. In addition, from June 2013, the number of doses of vaccination against Meningococcal group C bacteria required by children in their first year of life decreased from two to one, to be administered at three months of age. Cover report 108 (July – September) 2013 will contain the first uptake statistics for rotavirus vaccination in Wales and will also factor in the change in Men C schedule.

[1] Guidance on the follow up of children who have missed out on MMR vaccination (*NHS Wales only*):
<http://howis.wales.nhs.uk/sites3/page.cfm?orgId=474&pid=21347>
<http://www.publichealthwales.org/measles-outbreak-data>

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 LHB resident population, not for LHB GP practice populations. The maps, graphs and Table 1 are best viewed in colour.

Suggested citation for this report:

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

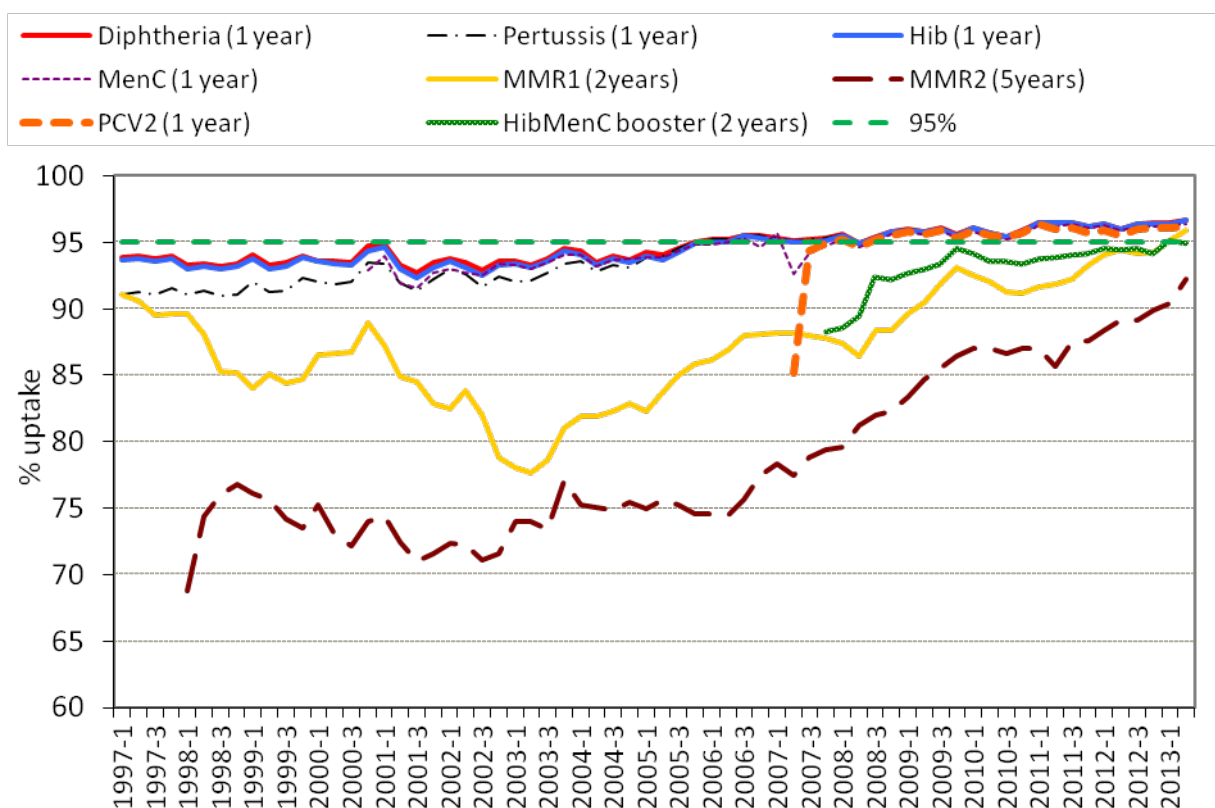


Figure 2. Summary of uptake rates for selected immunisations in resident children reaching their 1st, 2nd, 5th and 16th birthday between 01/04/13 and 30/06/13 and resident on 30/06/13.

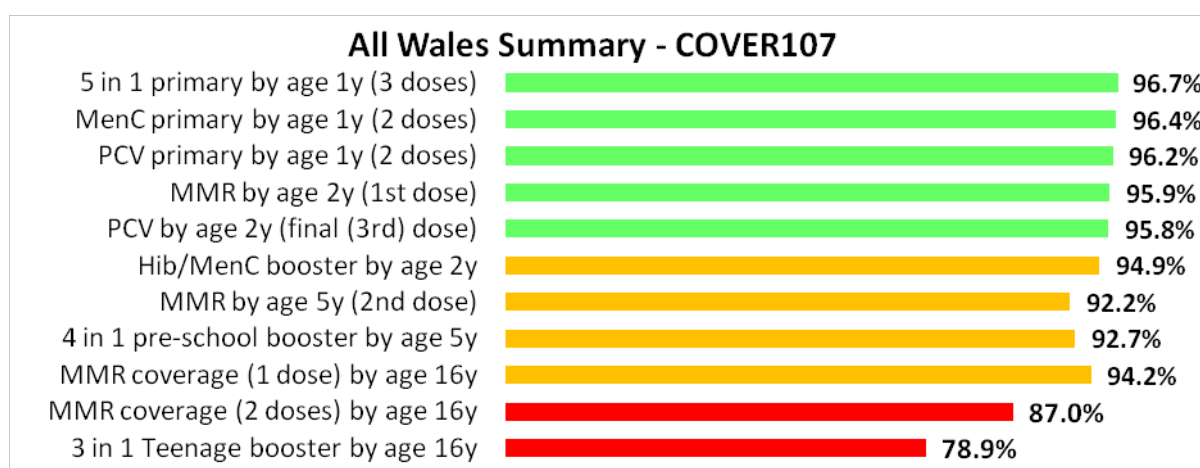


Figure 3. Uptake of 5 in 1 vaccine in Welsh Local Authority areas in children reaching their 1st birthday between 01/04/13 and 30/06/13.

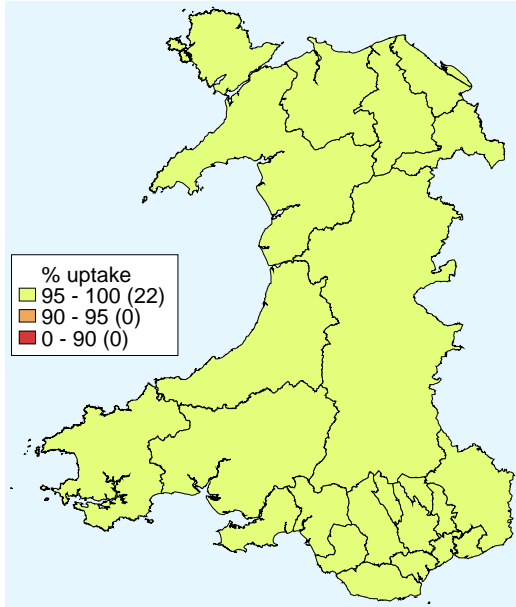


Figure 4. Uptake of at least 1 dose of MMR immunisation in Welsh Local Authority areas in children reaching their 2nd birthday between 01/04/13 and 30/06/13.

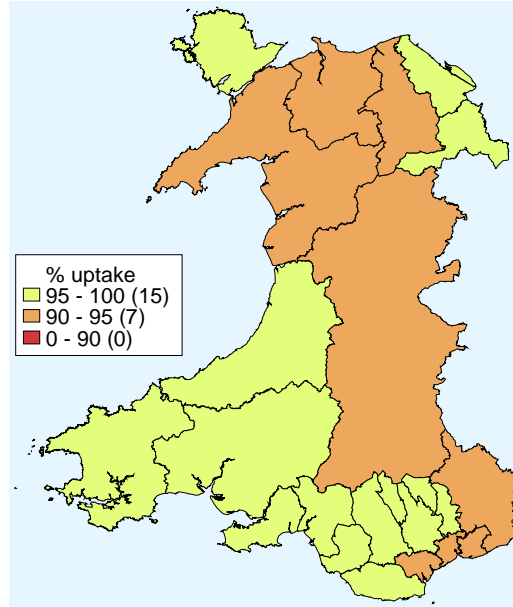


Figure 5. Uptake of two doses of MMR vaccine in Welsh Local Authority areas in children reaching their 5th birthday between 01/04/13 and 30/06/13.

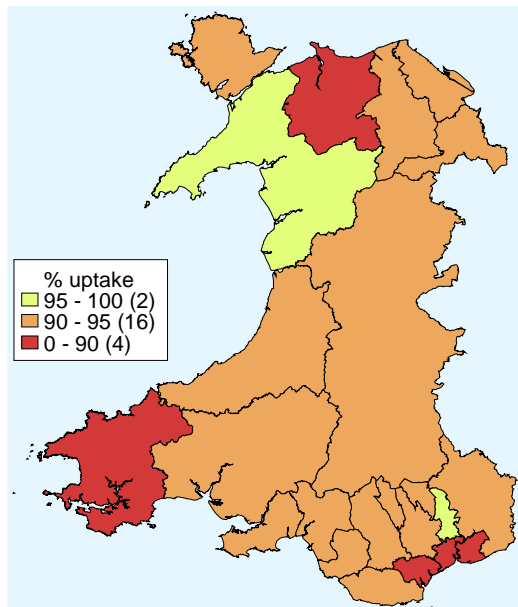


Figure 6. Uptake of 4 in 1 vaccine in Welsh Local Authority areas in children reaching their 5th birthday between 01/04/13 and 30/06/13.

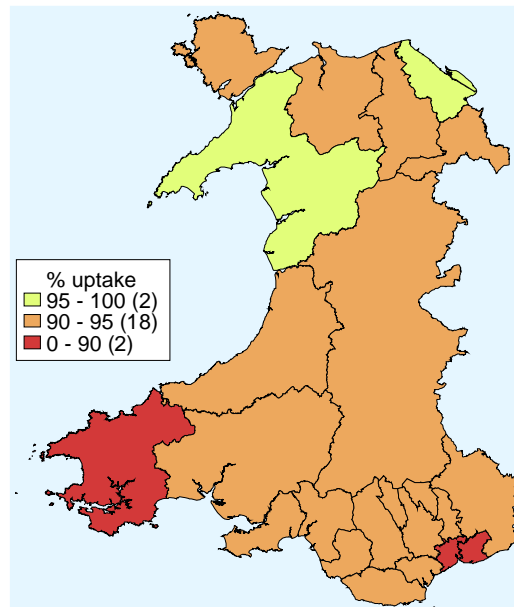


Table 1. Summary table with uptake of selected immunisations in resident children reaching their 1st, 2nd, 5th and 16th birthday between 01/04/13 and 30/06/13 and resident on 30/06/13.

Area	Age 1 year					Age 2 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)	MMR2 (n) (%)		4 in 1* (n) (%)		Resident children (n)	MMR1 (n) (%)		MMR2 (n) (%)		3 in 1 Teenage booster** (n) (%)		
Abertawe Bro Morgannwg University LHB																								
Bridgend LA	391	382	97.7	382	97.7	452	440	97.3	437	96.7	433	95.8	385	359	93.2	348	90.4	423	406	96.0	380	89.8	374	88.4
Neath Port Talbot LA	367	350	95.4	352	95.9	379	360	95.0	353	93.1	353	93.1	376	346	92.0	343	91.2	392	379	96.7	354	90.3	316	80.6
Swansea LA	640	628	98.1	621	97.0	627	612	97.6	609	97.1	602	96.0	723	681	94.2	679	93.9	657	631	96.0	578	88.0	560	85.2
Health Board Total	1398	1360	97.3	1355	96.9	1458	1412	96.8	1399	96.0	1388	95.2	1484	1386	93.4	1370	92.3	1472	1416	96.2	1312	89.1	1250	84.9
Aneurin Bevan LHB																								
Blaenau Gwent LA	175	172	98.3	172	98.3	195	189	96.9	191	97.9	188	96.4	237	216	91.1	214	90.3	187	179	95.7	167	89.3	165	88.2
Caerphilly LA	491	472	96.1	471	95.9	488	468	95.9	470	96.3	471	96.5	559	520	93.0	521	93.2	601	575	95.7	536	89.2	494	82.2
Monmouthshire LA	203	196	96.6	196	96.6	198	188	94.9	186	93.9	186	93.9	234	216	92.3	221	94.4	322	290	90.1	263	81.7	244	75.8
Newport LA	464	445	95.9	443	95.5	486	461	94.9	464	95.5	458	94.2	537	481	89.6	483	89.9	463	424	91.6	390	84.2	357	77.1
Torfaen LA	283	277	97.9	277	97.9	304	297	97.7	293	96.4	294	96.7	269	256	95.2	254	94.4	334	319	95.5	290	86.8	263	78.7
Health Board Total	1616	1562	96.7	1559	96.5	1671	1603	95.9	1604	96.0	1597	95.6	1836	1689	92.0	1693	92.2	1907	1787	93.7	1646	86.3	1523	79.9
Betsi Cadwaladr University LHB																								
Anglesey LA	206	201	97.6	201	97.6	204	195	95.6	199	97.5	197	96.6	184	170	92.4	171	92.9	176	171	97.2	169	96.0	142	80.7
Conwy LA	291	278	95.5	277	95.2	290	275	94.8	274	94.5	273	94.1	274	246	89.8	248	90.5	315	301	95.6	288	91.4	263	83.5
Denbighshire LA	249	239	96.0	239	96.0	274	260	94.9	263	96.0	259	94.5	275	250	90.9	257	93.5	250	238	95.2	228	91.2	205	82.0
Flintshire LA	392	374	95.4	372	94.9	433	418	96.5	419	96.8	416	96.1	441	417	94.6	424	96.1	454	432	95.2	405	89.2	362	79.7
Gwynedd LA	337	330	97.9	330	97.9	316	295	93.4	299	94.6	299	94.6	300	290	96.7	295	98.3	312	291	93.3	282	90.4	268	85.9
Wrexham LA	415	404	97.3	403	97.1	398	388	97.5	387	97.2	383	96.2	415	391	94.2	391	94.2	373	360	96.5	340	91.2	297	79.6
Health Board Total	1890	1826	96.6	1822	96.4	1915	1831	95.6	1841	96.1	1827	95.4	1889	1764	93.4	1786	94.5	1880	1793	95.4	1712	91.1	1537	81.8
Cardiff and Vale University LHB																								
Cardiff LA	1173	1119	95.4	1113	94.9	1142	1061	92.9	1062	93.0	1041	91.2	1068	953	89.2	974	91.2	914	838	91.7	762	83.4	672	73.5
Vale of Glamorgan LA	369	357	96.7	357	96.7	406	395	97.3	392	96.6	389	95.8	403	381	94.5	382	94.8	362	347	95.9	327	90.3	294	81.2
Health Board Total	1542	1476	95.7	1470	95.3	1548	1456	94.1	1454	93.9	1430	92.4	1471	1334	90.7	1356	92.2	1276	1185	92.9	1089	85.3	966	75.7
Cwm Taf LHB																								
Merthyr Tydfil LA	172	166	96.5	166	96.5	177	173	97.7	172	97.2	172	97.2	192	179	93.2	178	92.7	175	167	95.4	153	87.4	135	77.1
Rhondda Cynon Taff LA	653	638	97.7	637	97.5	683	667	97.7	671	98.2	664	97.2	681	636	93.4	638	93.7	695	670	96.4	621	89.4	608	87.5
Health Board Total	825	804	97.5	803	97.3	860	840	97.7	843	98.0	836	97.2	873	815	93.4	816	93.5	870	837	96.2	774	89.0	743	85.4
Hywel Dda LHB																								
Carmarthenshire LA	460	447	97.2	447	97.2	478	463	96.9	455	95.2	453	94.8	474	432	91.1	430	90.7	480	440	91.7	380	79.2	360	75.0
Ceredigion LA	187	184	98.4	183	97.9	151	146	96.7	147	97.4	147	97.4	152	138	90.8	139	91.4	145	133	91.7	119	82.1	121	83.4
Pembrokeshire LA	315	304	96.5	302	95.9	293	285	97.3	282	96.2	281	95.9	329	287	87.2	287	87.2	333	308	92.5	273	82.0	109	32.7
Health Board Total	962	935	97.2	932	96.9	922	894	97.0	884	95.9	881	95.6	955	857	89.7	856	89.6	958	881	92.0	772	80.6	590	61.6
Powys Teaching LHB	280	270	96.4	270	96.4	333	313	94.0	313	94.0	307	92.2	344	318	92.4	325	94.5	393	362	92.1	328	83.5	312	79.4
Unknown	22	21	95.5	21	95.5	32	31	96.9	31	96.9	31	96.9	29	27	93.1	27	93.1	73	52	71.2	49	67.1	42	57.5
Wales Total	8535	8254	96.7	8232	96.4	8739	8380	95.9	8369	95.8	8297	94.9	8881	8190	92.2	8229	92.7	8829	8313	94.2	7682	87.0	6963	78.9

* Uptake of pertussis used as proxy

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

‡ Children receiving the final dose of PCV

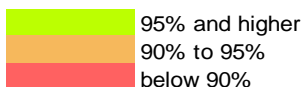


Table 2. Vaccine uptake in children reaching their 1st birthday between 01/04/13 and 30/06/13 and resident on 30/06/13.

Area	Resident children	D3	T3	P3	Po3	Hib3	MMR1	MenC	PCV2*	HibMenCb
	(n)	(n) (%)	(n) (%)	(n) (%)	(n) (%)	(n) (%)	(n) (%)	(n) (%)	(n) (%)	(n) (%)
<u>Abertawe Bro Morgannwg University HB</u>										
Bridgend LA	391	382 97.7	382 97.7	382 97.7	382 97.7	382 97.7	244 62.4	382 97.7	380 97.2	2 0.5
Neath Port Talbot LA	367	350 95.4	350 95.4	350 95.4	350 95.4	350 95.4	238 64.9	352 95.9	349 95.1	9 2.5
Swansea LA	640	628 98.1	628 98.1	628 98.1	628 98.1	627 98.0	438 68.4	621 97.0	621 97.0	14 2.2
Health Board Total	1398	1360 97.3	1360 97.3	1360 97.3	1360 97.3	1359 97.2	920 65.8	1355 96.9	1350 96.6	25 1.8
<u>Aneurin Bevan HB</u>										
Blaenau Gwent LA	175	172 98.3	172 98.3	172 98.3	172 98.3	172 98.3	7 4.0	172 98.3	172 98.3	2 1.1
Caerphilly LA	491	472 96.1	472 96.1	472 96.1	472 96.1	472 96.1	56 11.4	471 95.9	471 95.9	4 0.8
Monmouthshire LA	203	196 96.6	196 96.6	196 96.6	196 96.6	196 96.6	14 6.9	196 96.6	194 95.6	2 1.0
Newport LA	464	445 95.9	445 95.9	445 95.9	445 95.9	446 96.1	46 9.9	443 95.5	443 95.5	2 0.4
Torfaen LA	283	277 97.9	277 97.9	277 97.9	277 97.9	277 97.9	9 3.2	277 97.9	273 96.5	1 0.4
Health Board Total	1616	1562 96.7	1562 96.7	1562 96.7	1562 96.7	1563 96.7	132 8.2	1559 96.5	1553 96.1	11 0.7
<u>Betsi Cadwaladr University HB</u>										
Anglesey LA	206	201 97.6	201 97.6	201 97.6	201 97.6	201 97.6	4 1.9	201 97.6	201 97.6	2 1.0
Conwy LA	291	278 95.5	278 95.5	278 95.5	278 95.5	278 95.5	6 2.1	277 95.2	279 95.9	5 1.7
Denbighshire LA	249	239 96.0	239 96.0	239 96.0	239 96.0	239 96.0	4 1.6	239 96.0	237 95.2	3 1.2
Flintshire LA	392	374 95.4	374 95.4	374 95.4	374 95.4	374 95.4	6 1.5	372 94.9	374 95.4	2 0.5
Gwynedd LA	337	330 97.9	330 97.9	330 97.9	330 97.9	330 97.9	10 3.0	330 97.9	326 96.7	1 0.3
Wrexham LA	415	404 97.3	404 97.3	404 97.3	404 97.3	404 97.3	5 1.2	403 97.1	404 97.3	3 0.7
Health Board Total	1890	1826 96.6	1826 96.6	1826 96.6	1826 96.6	1826 96.6	35 1.9	1822 96.4	1821 96.3	16 0.8
<u>Cardiff and Vale University HB</u>										
Cardiff LA	1173	1119 95.4	1119 95.4	1119 95.4	1119 95.4	1120 95.5	83 7.1	1113 94.9	1105 94.2	12 1.0
Vale of Glamorgan LA	369	357 96.7	357 96.7	357 96.7	357 96.7	357 96.7	52 14.1	357 96.7	353 95.7	10 2.7
Health Board Total	1542	1476 95.7	1476 95.7	1476 95.7	1476 95.7	1477 95.8	135 8.8	1470 95.3	1458 94.6	22 1.4
<u>Cwm Taf HB</u>										
Merthyr Tydfil LA	172	166 96.5	166 96.5	166 96.5	166 96.5	166 96.5	23 13.4	166 96.5	166 96.5	9 5.2
Rhondda Cynon Taff LA	653	638 97.7	638 97.7	638 97.7	638 97.7	638 97.7	51 7.8	637 97.5	637 97.5	12 1.8
Health Board Total	825	804 97.5	804 97.5	804 97.5	804 97.5	804 97.5	74 9.0	803 97.3	803 97.3	21 2.5
<u>Hywel Dda HB</u>										
Carmarthenshire LA	460	447 97.2	447 97.2	447 97.2	447 97.2	447 97.2	178 38.7	447 97.2	445 96.7	13 2.8
Ceredigion LA	187	184 98.4	184 98.4	184 98.4	184 98.4	184 98.4	15 8.0	183 97.9	184 98.4	2 1.1
Pembrokeshire LA	315	304 96.5	304 96.5	304 96.5	304 96.5	304 96.5	22 7.0	302 95.9	304 96.5	1 0.3
Health Board Total	962	935 97.2	935 97.2	935 97.2	935 97.2	935 97.2	215 22.3	932 96.9	933 97.0	16 1.7
<u>Powys Teaching HB</u>	280	270 96.4	270 96.4	270 96.4	270 96.4	270 96.4	77 27.5	270 96.4	269 96.1	9 3.2
Unknown	22	21 95.5	21 95.5	21 95.5	21 95.5	21 95.5	2 9.1	21 95.5	21 95.5	1 4.5
Wales Total	8535	8254 96.7	8254 96.7	8254 96.7	8254 96.7	8255 96.7	1590 18.6	8232 96.4	8208 96.2	121 1.4

* Full primary 2 dose course of pneumococcal conjugate vaccine

Table 3. Vaccine uptake in children reaching their 2nd birthday between 01/04/13 and 30/06/13 and resident on 30/06/13.

Area	Resident children	D3	T3	P3	Po3	Hib3	MMR1	MenC*	PCV2**	PCVf***	HibMenCb
	(n)	(n) (%)	(n) (%)	(n) (%)	(n) (%)	(n) (%)	(n) (%)	(n) (%)	(n) (%)	(n) (%)	(n) (%)
Abertawe Bro Morgannwg University HB											
Bridgend LA	452	443 98.0	443 98.0	443 98.0	443 98.0	443 98.0	440 97.3	437 96.7	435 96.2	437 96.7	433 95.8
Neath Port Talbot LA	379	366 96.6	366 96.6	366 96.6	366 96.6	366 96.6	360 95.0	365 96.3	363 95.8	353 93.1	353 93.1
Swansea LA	627	617 98.4	617 98.4	617 98.4	617 98.4	617 98.4	612 97.6	611 97.4	603 96.2	609 97.1	602 96.0
Health Board Total	1458	1426 97.8	1426 97.8	1426 97.8	1426 97.8	1426 97.8	1412 96.8	1413 96.9	1401 96.1	1399 96.0	1388 95.2
Aneurin Bevan HB											
Blaenau Gwent LA	195	194 99.5	194 99.5	194 99.5	194 99.5	194 99.5	189 96.9	191 97.9	190 97.4	191 97.9	188 96.4
Caerphilly LA	488	480 98.4	480 98.4	480 98.4	480 98.4	480 98.4	468 95.9	481 98.6	475 97.3	470 96.3	471 96.5
Monmouthshire LA	198	190 96.0	190 96.0	190 96.0	190 96.0	190 96.0	188 94.9	189 95.5	189 95.5	186 93.9	186 93.9
Newport LA	486	472 97.1	472 97.1	472 97.1	472 97.1	472 97.1	461 94.9	466 95.9	462 95.1	464 95.5	458 94.2
Torfaen LA	304	301 99.0	301 99.0	301 99.0	301 99.0	301 99.0	297 97.7	301 99.0	300 98.7	293 96.4	294 96.7
Health Board Total	1671	1637 98.0	1637 98.0	1637 98.0	1637 98.0	1637 98.0	1603 95.9	1628 97.4	1616 96.7	1604 96.0	1597 95.6
Betsi Cadwaladr University HB											
Anglesey LA	204	202 99.0	202 99.0	202 99.0	202 99.0	202 99.0	195 95.6	200 98.0	198 97.1	199 97.5	197 96.6
Conwy LA	290	282 97.2	282 97.2	282 97.2	282 97.2	281 96.9	275 94.8	278 95.9	274 94.5	274 94.5	273 94.1
Denbighshire LA	274	263 96.0	263 96.0	263 96.0	263 96.0	263 96.0	260 94.9	259 94.5	256 93.4	263 96.0	259 94.5
Flintshire LA	433	425 98.2	425 98.2	425 98.2	424 97.9	424 97.9	418 96.5	423 97.7	418 96.5	419 96.8	416 96.1
Gwynedd LA	316	304 96.2	304 96.2	304 96.2	304 96.2	304 96.2	295 93.4	303 95.9	301 95.3	299 94.6	299 94.6
Wrexham LA	398	394 99.0	394 99.0	394 99.0	393 98.7	393 98.7	388 97.5	388 97.5	382 96.0	387 97.2	383 96.2
Health Board Total	1915	1870 97.7	1870 97.7	1870 97.7	1867 97.5	1867 97.5	1831 95.6	1851 96.7	1829 95.5	1841 96.1	1827 95.4
Cardiff and Vale University HB											
Cardiff LA	1142	1083 94.8	1083 94.8	1083 94.8	1083 94.8	1083 94.8	1061 92.9	1054 92.3	1039 91.0	1062 93.0	1041 91.2
Vale of Glamorgan LA	406	400 98.5	400 98.5	400 98.5	400 98.5	400 98.5	395 97.3	395 97.3	386 95.1	392 96.6	389 95.8
Health Board Total	1548	1483 95.8	1483 95.8	1483 95.8	1483 95.8	1483 95.8	1456 94.1	1449 93.6	1425 92.1	1454 93.9	1430 92.4
Cwm Taf HB											
Merthyr Tydfil LA	177	174 98.3	174 98.3	174 98.3	174 98.3	174 98.3	173 97.7	174 98.3	173 97.7	172 97.2	172 97.2
Rhondda Cynon Taff LA	683	674 98.7	674 98.7	674 98.7	675 98.8	675 98.8	667 97.7	669 98.0	662 96.9	671 98.2	664 97.2
Health Board Total	860	848 98.6	848 98.6	848 98.6	849 98.7	849 98.7	840 97.7	843 98.0	835 97.1	843 98.0	836 97.2
Hywel Dda HB											
Carmarthenshire LA	478	464 97.1	464 97.1	464 97.1	463 96.9	462 96.7	463 96.9	460 96.2	452 94.6	455 95.2	453 94.8
Ceredigion LA	151	148 98.0	148 98.0	148 98.0	148 98.0	148 98.0	146 96.7	147 97.4	147 97.4	147 97.4	147 97.4
Pembrokeshire LA	293	287 98.0	287 98.0	287 98.0	287 98.0	287 98.0	285 97.3	282 96.2	280 95.6	282 96.2	281 95.9
Health Board Total	922	899 97.5	899 97.5	899 97.5	898 97.4	897 97.3	894 97.0	889 96.4	879 95.3	884 95.9	881 95.6
Powys Teaching HB											
Unknown	32	31 96.9	31 96.9	31 96.9	31 96.9	31 96.9	31 96.9	31 96.9	31 96.9	31 96.9	31 96.9
Wales Total	8739	8514 97.4	8514 97.4	8514 97.4	8511 97.4	8507 97.3	8380 95.9	8419 96.3	8326 95.3	8369 95.8	8297 94.9

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

** Full primary 2 dose course of pneumococcal conjugate vaccine

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

Table 4. Vaccine uptake in children reaching their 4th birthday between 01/04/13 and 30/06/13 and resident on 30/06/13.

Area	Resident children	4 in 1 Preschool Booster*	PCVf**	HibMenCb	MMR dose 2	Up to date in schedule***					
	(n)	(n)	(%)	(n)	(%)	(n)	(%)	(n)	(%)		
Abertawe Bro Morgannwg University HB											
Bridgend LA	384	352	91.7	359	93.5	364	94.8	356	92.7	334	87.0
Neath Port Talbot LA	410	367	89.5	375	91.5	387	94.4	368	89.8	344	83.9
Swansea LA	625	576	92.2	587	93.9	594	95.0	574	91.8	541	86.6
Health Board Total	1419	1295	91.3	1321	93.1	1345	94.8	1298	91.5	1219	85.9
Aneurin Bevan HB											
Blaenau Gwent LA	198	180	90.9	187	94.4	192	97.0	178	89.9	172	86.9
Caerphilly LA	564	510	90.4	525	93.1	535	94.9	507	89.9	482	85.5
Monmouthshire LA	219	192	87.7	205	93.6	208	95.0	195	89.0	186	84.9
Newport LA	452	394	87.2	409	90.5	417	92.3	395	87.4	361	79.9
Torfaen LA	280	248	88.6	262	93.6	272	97.1	250	89.3	238	85.0
Health Board Total	1713	1524	89.0	1588	92.7	1624	94.8	1525	89.0	1439	84.0
Betsi Cadwaladr University HB											
Anglesey LA	188	174	92.6	175	93.1	181	96.3	171	91.0	163	86.7
Conwy LA	244	224	91.8	226	92.6	230	94.3	224	91.8	217	88.9
Denbighshire LA	258	237	91.9	242	93.8	249	96.5	232	89.9	225	87.2
Flintshire LA	418	383	91.6	392	93.8	397	95.0	377	90.2	353	84.4
Gwynedd LA	297	278	93.6	280	94.3	287	96.6	275	92.6	269	90.6
Wrexham LA	393	350	89.1	371	94.4	375	95.4	351	89.3	342	87.0
Health Board Total	1798	1646	91.5	1686	93.8	1719	95.6	1630	90.7	1569	87.3
Cardiff and Vale University HB											
Cardiff LA	1097	978	89.2	1010	92.1	1011	92.2	970	88.4	910	83.0
Vale of Glamorgan LA	364	339	93.1	344	94.5	342	94.0	332	91.2	317	87.1
Health Board Total	1461	1317	90.1	1354	92.7	1353	92.6	1302	89.1	1227	84.0
Cwm Taf HB											
Merthyr Tydfil LA	177	157	88.7	166	93.8	168	94.9	157	88.7	153	86.4
Rhondda Cynon Taff LA	701	651	92.9	663	94.6	675	96.3	640	91.3	627	89.4
Health Board Total	878	808	92.0	829	94.4	843	96.0	797	90.8	780	88.8
Hywel Dda HB											
Carmarthenshire LA	485	450	92.8	450	92.8	459	94.6	439	90.5	425	87.6
Ceredigion LA	158	149	94.3	151	95.6	152	96.2	147	93.0	142	89.9
Pembrokeshire LA	335	292	87.2	296	88.4	311	92.8	296	88.4	277	82.7
Health Board Total	978	891	91.1	897	91.7	922	94.3	882	90.2	844	86.3
Powys Teaching HB	329	296	90.0	298	90.6	302	91.8	281	85.4	268	81.5
Unknown	32	30	93.8	28	87.5	30	93.8	29	90.6	27	84.4
Wales Total	8608	7807	90.7	8001	92.9	8138	94.5	7744	90.0	7373	85.7

* Uptake of acellular pertussis used as proxy

** Full primary 2 dose course of pneumococcal conjugate vaccine

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

Table 5. Vaccine uptake in children reaching their 5th birthday between 01/04/13 and 30/06/13 and resident on 30/06/13.

Area	Resident children	D3	T3	P3	Po3	Hib3	MenC*	PCVf**	HibMenCb	MMR1	MMR2	D4	T4	aP	Po4
	(n)	(n) (%)	(n) (%)	(n) (%)	(n) (%)	(n) (%)	(n) (%)	(n) (%)	(n) (%)	(n) (%)	(n) (%)	(n) (%)	(n) (%)	(n) (%)	(n) (%)
Abertawe Bro Morgannwg University HB															
Bridgend LA	385	379 98.4	379 98.4	379 98.4	379 98.4	379 98.4	374 97.1	358 93.0	362 94.0	381 99.0	359 93.2	348 90.4	348 90.4	348 90.4	348 90.4
Neath Port Talbot LA	376	361 96.0	361 96.0	361 96.0	359 95.5	360 95.7	360 95.7	353 93.9	360 95.7	364 96.8	346 92.0	343 91.2	343 91.2	343 91.2	343 91.2
Swansea LA	723	708 97.9	708 97.9	708 97.9	707 97.8	706 97.6	690 95.4	673 93.1	691 95.6	705 97.5	681 94.2	680 94.1	680 94.1	679 93.9	681 94.2
Health Board Total	1484	1448 97.6	1448 97.6	1448 97.6	1445 97.4	1445 97.4	1424 96.0	1384 93.3	1413 95.2	1450 97.7	1386 93.4	1371 92.4	1371 92.4	1370 92.3	1372 92.5
Aneurin Bevan HB															
Blaenau Gwent LA	237	230 97.0	230 97.0	230 97.0	230 97.0	230 97.0	229 96.6	217 91.6	223 94.1	228 96.2	216 91.1	214 90.3	214 90.3	214 90.3	214 90.3
Caerphilly LA	559	549 98.2	549 98.2	549 98.2	549 98.2	549 98.2	545 97.5	523 93.6	537 96.1	548 98.0	520 93.0	521 93.2	521 93.2	521 93.2	521 93.2
Monmouthshire LA	234	224 95.7	224 95.7	224 95.7	224 95.7	224 95.7	222 94.9	218 93.2	222 94.9	224 95.7	216 92.3	221 94.4	221 94.4	221 94.4	221 94.4
Newport LA	537	517 96.3	517 96.3	517 96.3	517 96.3	513 95.5	495 92.2	488 90.9	490 91.2	512 95.3	481 89.6	483 89.9	483 89.9	483 89.9	482 89.8
Torfaen LA	269	265 98.5	265 98.5	265 98.5	265 98.5	264 98.1	261 97.0	245 91.1	259 96.3	263 97.8	256 95.2	254 94.4	254 94.4	254 94.4	254 94.4
Health Board Total	1836	1785 97.2	1785 97.2	1785 97.2	1785 97.2	1780 96.9	1752 95.4	1691 92.1	1731 94.3	1775 96.7	1689 92.0	1693 92.2	1693 92.2	1693 92.2	1692 92.2
Betsi Cadwaladr University HB															
Anglesey LA	184	180 97.8	180 97.8	180 97.8	180 97.8	180 97.8	177 96.2	168 91.3	175 95.1	178 96.7	170 92.4	171 92.9	171 92.9	171 92.9	170 92.4
Conwy LA	274	267 97.4	267 97.4	267 97.4	267 97.4	267 97.4	262 95.6	254 92.7	256 93.4	265 96.7	246 89.8	248 90.5	248 90.5	248 90.5	248 90.5
Denbighshire LA	275	266 96.7	266 96.7	266 96.7	266 96.7	266 96.7	260 94.5	252 91.6	255 92.7	262 95.3	250 90.9	257 93.5	257 93.5	257 93.5	257 93.5
Flintshire LA	441	432 98.0	432 98.0	432 98.0	432 98.0	430 97.5	425 96.4	411 93.2	424 96.1	428 97.1	417 94.6	424 96.1	424 96.1	424 96.1	424 96.1
Gwynedd LA	300	298 99.3	298 99.3	298 99.3	298 99.3	298 99.3	290 96.7	283 94.3	294 98.0	298 99.3	290 96.7	295 98.3	295 98.3	295 98.3	295 98.3
Wrexham LA	415	404 97.3	404 97.3	404 97.3	404 97.3	404 97.3	396 95.4	392 94.5	396 95.4	405 97.6	391 94.2	391 94.2	391 94.2	391 94.2	391 94.2
Health Board Total	1889	1847 97.8	1847 97.8	1847 97.8	1847 97.8	1845 97.7	1810 95.8	1760 93.2	1800 95.3	1836 97.2	1764 93.4	1786 94.5	1786 94.5	1786 94.5	1785 94.5
Cardiff and Vale University HB															
Cardiff LA	1068	1024 95.9	1024 95.9	1024 95.9	1024 95.9	1022 95.7	974 91.2	941 88.1	964 90.3	1027 96.2	953 89.2	974 91.2	974 91.2	974 91.2	974 91.2
Vale of Glamorgan LA	403	395 98.0	395 98.0	395 98.0	395 98.0	394 97.8	387 96.0	377 93.5	379 94.0	392 97.3	381 94.5	382 94.8	382 94.8	382 94.8	382 94.8
Health Board Total	1471	1419 96.5	1419 96.5	1419 96.5	1419 96.5	1416 96.3	1361 92.5	1318 89.6	1343 91.3	1419 96.5	1334 90.7	1356 92.2	1356 92.2	1356 92.2	1356 92.2
Cwm Taf HB															
Merthyr Tydfil LA	192	187 97.4	187 97.4	187 97.4	187 97.4	187 97.4	183 95.3	176 91.7	180 93.8	188 97.9	179 93.2	178 92.7	178 92.7	178 92.7	178 92.7
Rhondda Cynon Taff LA	681	667 97.9	667 97.9	667 97.9	667 97.9	666 97.8	661 97.1	633 93.0	649 95.3	664 97.5	636 93.4	638 93.7	638 93.7	638 93.7	638 93.7
Health Board Total	873	854 97.8	854 97.8	854 97.8	854 97.8	853 97.7	844 96.7	809 92.7	829 95.0	852 97.6	815 93.4	816 93.5	816 93.5	816 93.5	816 93.5
Hywel Dda HB															
Cardemare LA	474	456 96.2	456 96.2	456 96.2	456 96.2	455 96.0	447 94.3	428 90.3	440 92.8	455 96.0	432 91.1	430 90.7	430 90.7	430 90.7	430 90.7
Ceredigion LA	152	143 94.1	143 94.1	143 94.1	143 94.1	142 93.4	139 91.4	135 88.8	142 93.4	143 94.1	138 90.8	139 91.4	139 91.4	139 91.4	139 91.4
Pembrokeshire LA	329	317 96.4	317 96.4	317 96.4	317 96.4	316 96.0	310 94.2	291 88.4	305 92.7	315 95.7	287 87.2	287 87.2	287 87.2	287 87.2	287 87.2
Health Board Total	955	916 95.9	916 95.9	916 95.9	916 95.9	913 95.6	896 93.8	854 89.4	887 92.9	913 95.6	857 89.7	856 89.6	856 89.6	856 89.6	856 89.6
Powys Teaching HB	344	334 97.1	334 97.1	334 97.1	333 96.8	331 96.2	319 92.7	320 93.0	320 93.0	332 96.5	318 92.4	325 94.5	325 94.5	324 94.5	324 94.2
Unknown	29	27 93.1	27 93.1	27 93.1	27 93.1	27 93.1	27 93.1	28 96.6	27 93.1	27 93.1	27 93.1	27 93.1	27 93.1	27 93.1	27 93.1
Wales Total	8881	8630 97.2	8630 97.2	8630 97.2	8626 97.1	8610 96.9	8433 95.0	8164 91.9	8350 94.0	8604 96.9	8190 92.2	8230 92.7	8230 92.7	8229 92.7	8228 92.6

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

** Final (booster) dose of pneumococcal conjugate vaccine

Table 6. Uptake of HPV vaccine in girls reaching 13 and 14 years of age between 01/09/12 and 31/08/13 and resident on 30/06/13.

Area	13 years (2012-13 School Year 8)*							14 years (2012-13 School Year 9)						
	Resident girls (n)	HPV 1 dose (n) (%)	HPV 2 doses (n) (%)	HPV 3 doses (n) (%)	Resident girls (n)	HPV 1 dose (n) (%)	HPV 2 doses (n) (%)	HPV 3 doses (n) (%)						
Abertawe Bro Morgannwg University HB														
Bridgend LA	723	672 92.9	655 90.6	573 79.3	775	701 90.5	696 89.8	686 88.5						
Neath Port Talbot LA	662	617 93.2	598 90.3	498 75.2	718	653 90.9	647 90.1	644 89.7						
Swansea LA	1203	1099 91.4	1067 88.7	729 60.6	1166	1058 90.7	1044 89.5	1027 88.1						
Health Board Total	2588	2388 92.3	2320 89.6	1800 69.6	2659	2412 90.7	2387 89.8	2357 88.6						
Aneurin Bevan HB														
Blaenau Gwent LA	372	347 93.3	332 89.2	264 71.0	382	363 95.0	363 95.0	354 92.7						
Caerphilly LA	917	824 89.9	812 88.5	700 76.3	1000	924 92.4	916 91.6	911 91.1						
Monmouthshire LA	526	416 79.1	401 76.2	337 64.1	523	412 78.8	407 77.8	401 76.7						
Newport LA	865	766 88.6	738 85.3	586 67.7	931	798 85.7	787 84.5	771 82.8						
Torfaen LA	479	425 88.7	409 85.4	356 74.3	539	493 91.5	491 91.1	479 88.9						
Health Board Total	3159	2778 87.9	2692 85.2	2243 71.0	3375	2990 88.6	2964 87.8	2916 86.4						
Betsi Cadwaladr University HB														
Anglesey LA	350	308 88.0	300 85.7	269 76.9	364	324 89.0	320 87.9	310 85.2						
Conwy LA	586	520 88.7	515 87.9	480 81.9	600	544 90.7	542 90.3	533 88.8						
Denbighshire LA	497	428 86.1	426 85.7	400 80.5	551	487 88.4	485 88.0	479 86.9						
Flintshire LA	798	729 91.4	721 90.4	647 81.1	784	724 92.3	719 91.7	710 90.6						
Gwynedd LA	608	543 89.3	539 88.7	533 87.7	644	570 88.5	564 87.6	557 86.5						
Wrexham LA	706	616 87.3	613 86.8	574 81.3	669	602 90.0	599 89.5	599 89.5						
Health Board Total	3545	3144 88.7	3114 87.8	2903 81.9	3612	3251 90.0	3229 89.4	3188 88.3						
Cardiff and Vale University HB														
Cardiff LA	1751	1536 87.7	1491 85.2	1186 67.7	1791	1591 88.8	1557 86.9	1464 81.7						
Vale of Glamorgan LA	689	632 91.7	616 89.4	408 59.2	712	660 92.7	655 92.0	631 88.6						
Health Board Total	2440	2168 88.9	2107 86.4	1594 65.3	2503	2251 89.9	2212 88.4	2095 83.7						
Cwm Taf HB														
Merthyr Tydfil LA	316	288 91.1	283 89.6	272 86.1	305	285 93.4	283 92.8	282 92.5						
Rhondda Cynon Taff LA	1181	1109 93.9	1095 92.7	1004 85.0	1240	1179 95.1	1172 94.5	1151 92.8						
Health Board Total	1497	1397 93.3	1378 92.1	1276 85.2	1545	1464 94.8	1455 94.2	1433 92.8						
Hywel Dda HB														
Carmarthenshire LA	847	754 89.0	734 86.7	441 52.1	933	841 90.1	838 89.8	833 89.3						
Ceredigion LA	307	261 85.0	257 83.7	250 81.4	302	256 84.8	252 83.4	251 83.1						
Pembrokeshire LA	619	536 86.6	532 85.9	517 83.5	651	566 86.9	558 85.7	533 81.9						
Health Board Total	1773	1551 87.5	1523 85.9	1208 68.1	1886	1663 88.2	1648 87.4	1617 85.7						
Powys Teaching HB	637	513 80.5	481 75.5	343 53.8	695	588 84.6	583 83.9	574 82.6						
Unknown	84	65 77.4	65 77.4	54 64.3	85	58 68.2	58 68.2	58 68.2						
Wales Total	15723	14004 89.1	13680 87.0	11421 72.6	16360	14677 89.7	14536 88.9	14238 87.0						

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

Table 7. MMR and Td/IPV vaccine uptake in children reaching their 15th birthday between 01/04/13 and 30/06/13 and resident on 30/06/13 (with breakdown of MMR1 and MMR2 coverage by sex).

Area	Resident children		MMR1		MMR2		Teenage 3 in 1 booster*		Resident girls		MMR1 (girls)		MMR2 (girls)		Resident boys		MMR1 (boys)		MMR2 (boys)	
	(n)	(n)	(%)	(n)	(%)	(n)	(%)	(n)	(n)	(n)	(%)	(n)	(%)	(n)	(n)	(%)	(n)	(%)		
<u>Abertawe Bro Morgannwg University HB</u>																				
Bridgend LA	381	368	96.6	351	92.1	306	80.3	196	191	97.4	182	92.9	185	177	95.7	169	91.4			
Neath Port Talbot LA	392	375	95.7	356	90.8	323	82.4	197	182	92.4	176	89.3	195	193	99.0	180	92.3			
Swansea LA	621	588	94.7	535	86.2	520	83.7	290	274	94.5	248	85.5	331	314	94.9	287	86.7			
Health Board Total	1394	1331	95.5	1242	89.1	1149	82.4	683	647	94.7	606	88.7	711	684	96.2	636	89.5			
<u>Aneurin Bevan HB</u>																				
Blaenau Gwent LA	201	193	96.0	179	89.1	162	80.6	92	88	95.7	84	91.3	109	105	96.3	95	87.2			
Caerphilly LA	565	535	94.7	502	88.8	455	80.5	288	271	94.1	253	87.8	277	264	95.3	249	89.9			
Monmouthshire LA	258	230	89.1	206	79.8	199	77.1	123	111	90.2	104	84.6	135	119	88.1	102	75.6			
Newport LA	466	437	93.8	403	86.5	342	73.4	229	214	93.4	197	86.0	237	223	94.1	206	86.9			
Torfaen LA	285	275	96.5	260	91.2	233	81.8	131	126	96.2	117	89.3	154	149	96.8	143	92.9			
Health Board Total	1775	1670	94.1	1550	87.3	1391	78.4	863	810	93.9	755	87.5	912	860	94.3	795	87.2			
<u>Betsi Cadwaladr University HB</u>																				
Anglesey LA	192	184	95.8	180	93.8	169	88.0	86	82	95.3	79	91.9	106	102	96.2	101	95.3			
Conwy LA	301	291	96.7	277	92.0	266	88.4	145	143	98.6	135	93.1	156	148	94.9	142	91.0			
Denbighshire LA	286	276	96.5	258	90.2	245	85.7	133	127	95.5	120	90.2	153	149	97.4	138	90.2			
Flintshire LA	427	413	96.7	396	92.7	357	83.6	204	196	96.1	191	93.6	223	217	97.3	205	91.9			
Gwynedd LA	319	303	95.0	296	92.8	278	87.1	150	145	96.7	140	93.3	168	157	93.5	155	92.3			
Wrexham LA	378	366	96.8	349	92.3	304	80.4	171	165	96.5	160	93.6	207	201	97.1	189	91.3			
Health Board Total	1903	1833	96.3	1756	92.3	1619	85.1	889	858	96.5	825	92.8	1013	974	96.2	930	91.8			
<u>Cardiff and Vale University HB</u>																				
Cardiff LA	968	900	93.0	816	84.3	705	72.8	450	416	92.4	382	84.9	518	484	93.4	434	83.8			
Vale of Glamorgan LA	365	351	96.2	331	90.7	306	83.8	182	173	95.1	162	89.0	183	178	97.3	169	92.3			
Health Board Total	1333	1251	93.8	1147	86.0	1011	75.8	632	589	93.2	544	86.1	701	662	94.4	603	86.0			
<u>Cwm Taf HB</u>																				
Merthyr Tydfil LA	157	147	93.6	140	89.2	134	85.4	79	75	94.9	69	87.3	78	72	92.3	71	91.0			
Rhondda Cynon Taff LA	639	612	95.8	564	88.3	539	84.4	296	279	94.3	256	86.5	343	333	97.1	308	89.8			
Health Board Total	796	759	95.4	704	88.4	673	84.5	375	354	94.4	325	86.7	421	405	96.2	379	90.0			
<u>Hywel Dda HB</u>																				
Carmarthenshire LA	471	430	91.3	395	83.9	389	82.6	224	207	92.4	188	83.9	247	223	90.3	207	83.8			
Ceredigion LA	167	160	95.8	150	89.8	135	80.8	90	85	94.4	77	85.6	77	75	97.4	73	94.8			
Pembrokeshire LA	352	316	89.8	289	82.1	257	73.0	181	165	91.2	151	83.4	171	151	88.3	138	80.7			
Health Board Total	990	906	91.5	834	84.2	781	78.9	495	457	92.3	416	84.0	495	449	90.7	418	84.4			
<u>Powys Teaching HB</u>	351	329	93.7	291	82.9	222	63.2	171	161	94.2	141	82.5	180	168	93.3	150	83.3			
Unknown	45	33	73.3	27	60.0	25	55.6	23	16	69.6	11	47.8	22	17	77.3	16	72.7			
Wales Total	8587	8112	94.5	7551	87.9	6871	80.0	4131	3892	94.2	3623	87.7	4455	4219	94.7	3927	88.1			

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

Table 8. MMR and Td/IPV vaccine uptake in children reaching their 16th birthday between 01/04/13 and 30/06/13 and resident on 30/06/13 (with breakdown of MMR1 and MMR2 coverage by sex).

Area	Resident children		MMR1		MMR2		Teenage 3 in 1 booster*		Resident girls		MMR1 (girls)		MMR2 (girls)		Resident boys		MMR1 (boys)		MMR2 (boys)	
	(n)	(n)	(%)	(n)	(%)	(n)	(%)	(n)	(n)	(n)	(%)	(n)	(%)	(n)	(n)	(%)	(n)	(%)		
Abertawe Bro Morgannwg University HB	(n)	(n)	(%)	(n)	(%)	(n)	(%)	(n)	(n)	(n)	(%)	(n)	(%)	(n)	(n)	(%)	(n)	(%)		
Bridgend LA	423	406	96.0	380	89.8	374	88.4	201	189	94.0	174	86.6	222	217	97.7	206	92.8			
Neath Port Talbot LA	392	379	96.7	354	90.3	316	80.6	215	208	96.7	195	90.7	177	171	96.6	159	89.8			
Swansea LA	657	631	96.0	578	88.0	560	85.2	308	291	94.5	266	86.4	349	340	97.4	312	89.4			
Health Board Total	1472	1416	96.2	1312	89.1	1250	84.9	724	688	95.0	635	87.7	748	728	97.3	677	90.5			
Aneurin Bevan HB																				
Blaenau Gwent LA	187	179	95.7	167	89.3	165	88.2	81	77	95.1	69	85.2	106	102	96.2	98	92.5			
Caerphilly LA	601	575	95.7	536	89.2	494	82.2	292	280	95.9	266	91.1	309	295	95.5	270	87.4			
Monmouthshire LA	322	290	90.1	263	81.7	244	75.8	163	142	87.1	132	81.0	158	148	93.7	131	82.9			
Newport LA	463	424	91.6	390	84.2	357	77.1	231	211	91.3	196	84.8	231	213	92.2	194	84.0			
Torfaen LA	334	319	95.5	290	86.8	263	78.7	157	148	94.3	135	86.0	177	171	96.6	155	87.6			
Health Board Total	1907	1787	93.7	1646	86.3	1523	79.9	924	858	92.9	798	86.4	981	929	94.7	848	86.4			
Betsi Cadwaladr University HB																				
Anglesey LA	176	171	97.2	169	96.0	142	80.7	92	89	96.7	87	94.6	84	82	97.6	82	97.6			
Conwy LA	315	301	95.6	288	91.4	263	83.5	140	134	95.7	130	92.9	175	167	95.4	158	90.3			
Denbighshire LA	250	238	95.2	228	91.2	205	82.0	127	123	96.9	120	94.5	123	115	93.5	108	87.8			
Flintshire LA	454	432	95.2	405	89.2	362	79.7	218	208	95.4	196	89.9	236	224	94.9	209	88.6			
Gwynedd LA	312	291	93.3	282	90.4	268	85.9	160	149	93.1	146	91.3	152	142	93.4	136	89.5			
Wrexham LA	373	360	96.5	340	91.2	297	79.6	180	174	96.7	171	95.0	193	186	96.4	169	87.6			
Health Board Total	1880	1793	95.4	1712	91.1	1537	81.8	917	877	95.6	850	92.7	963	916	95.1	862	89.5			
Cardiff and Vale University HB																				
Cardiff LA	914	838	91.7	762	83.4	672	73.5	453	417	92.1	391	86.3	461	421	91.3	371	80.5			
Vale of Glamorgan LA	362	347	95.9	327	90.3	294	81.2	171	166	97.1	156	91.2	191	181	94.8	171	89.5			
Health Board Total	1276	1185	92.9	1089	85.3	966	75.7	624	583	93.4	547	87.7	652	602	92.3	542	83.1			
Cwm Taf HB																				
Merthyr Tydfil LA	175	167	95.4	153	87.4	135	77.1	89	87	97.8	80	89.9	86	80	93.0	73	84.9			
Rhondda Cynon Taff LA	695	670	96.4	621	89.4	608	87.5	330	316	95.8	298	90.3	365	354	97.0	323	88.5			
Health Board Total	870	837	96.2	774	89.0	743	85.4	419	403	96.2	378	90.2	451	434	96.2	396	87.8			
Hywel Dda HB																				
Carmarthenshire LA	480	440	91.7	380	79.2	360	75.0	224	207	92.4	181	80.8	256	233	91.0	199	77.7			
Ceredigion LA	145	133	91.7	119	82.1	121	83.4	73	69	94.5	60	82.2	72	64	88.9	59	81.9			
Pembrokeshire LA	333	308	92.5	273	82.0	109	32.7	155	141	91.0	122	78.7	178	167	93.8	151	84.8			
Health Board Total	958	881	92.0	772	80.6	590	61.6	452	417	92.3	363	80.3	506	464	91.7	409	80.8			
Powys Teaching HB	393	362	92.1	328	83.5	312	79.4	188	180	95.7	164	87.2	205	182	88.8	164	80.0			
Unknown	73	52	71.2	49	67.1	42	57.5	36	25	69.4	24	66.7	37	27	73.0	25	67.6			
Wales Total	8829	8313	94.2	7682	87.0	6963	78.9	4284	4031	94.1	3759	87.7	4543	4282	94.3	3923	86.4			

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

Table 9. Uptake of HPV vaccine in girls reaching appropriate birthdays between 01/09/12 and 31/08/13 and resident in Wales on 30/06/13.

Area	15 years						16 years						17 years									
	Resident girls	1 dose		2 doses		3 doses		Resident girls	1 dose		2 doses		3 doses		Resident girls	1 dose		2 doses		3 doses		
	(n)	(n)	(%)	(n)	(%)	(n)	(%)	(n)	(n)	(%)	(n)	(%)	(n)	(%)	(n)	(n)	(%)	(n)	(%)	(n)	(%)	
ABM ULHB																						
Bridgend LA	790	731	92.5	727	92.0	715	90.5	836	761	91.0	756	90.4	746	89.2	701	633	90.3	631	90.0	626	89.3	
Neath Port Talbot LA	771	727	94.3	721	93.5	710	92.1	802	714	89.0	702	87.5	690	86.0	773	716	92.6	709	91.7	703	90.9	
Swansea LA	1248	1130	90.5	1117	89.5	1101	88.2	1256	1085	86.4	1072	85.4	1058	84.2	1260	1165	92.5	1161	92.1	1151	91.3	
Health Board Total	2809	2588	92.1	2565	91.3	2526	89.9	2894	2560	88.5	2530	87.4	2494	86.2	2734	2514	92.0	2501	91.5	2480	90.7	
Aneurin Bevan LHB																						
Blaenau Gwent LA	401	365	91.0	360	89.8	355	88.5	397	374	94.2	370	93.2	364	91.7	413	398	96.4	397	96.1	387	93.7	
Caerphilly LA	1037	935	90.2	921	88.8	900	86.8	1086	962	88.6	953	87.8	933	85.9	1038	956	92.1	950	91.5	935	90.1	
Monmouthshire LA	502	380	75.7	376	74.9	370	73.7	592	451	76.2	444	75.0	438	74.0	545	418	76.7	415	76.1	339	62.2	
Newport LA	989	843	85.2	834	84.3	822	83.1	946	779	82.3	777	82.1	764	80.8	915	773	84.5	767	83.8	730	79.8	
Torfaen LA	574	517	90.1	518	90.2	513	89.4	609	551	90.5	550	90.3	544	89.3	556	521	93.7	519	93.3	510	91.7	
Health Board Total	3503	3040	86.8	3009	85.9	2960	84.5	3630	3117	85.9	3094	85.2	3043	83.8	3467	3066	88.4	3048	87.9	2901	83.7	
Betsi Cadwaladr ULHB																						
Anglesey LA	360	336	93.3	334	92.8	332	92.2	399	341	85.5	337	84.5	329	82.5	387	346	89.4	343	88.6	334	86.3	
Conwy LA	608	562	92.4	562	92.4	547	90.0	600	537	89.5	534	89.0	523	87.2	596	532	89.3	531	89.1	528	88.6	
Denbighshire LA	526	481	91.4	477	90.7	468	89.0	576	505	87.7	503	87.3	493	85.6	512	481	93.9	475	92.8	467	91.2	
Flintshire LA	833	761	91.4	759	91.1	749	89.9	887	795	89.6	791	89.2	787	88.7	867	821	94.7	820	94.6	809	93.3	
Gwynedd LA	607	535	88.1	533	87.8	531	87.5	680	578	85.0	573	84.3	567	83.4	624	544	87.2	540	86.5	528	84.6	
Wrexham LA	715	647	90.5	643	89.9	639	89.4	653	577	88.4	571	87.4	573	87.7	722	682	94.5	676	93.6	670	92.8	
Health Board Total	3649	3322	91.0	3308	90.7	3266	89.5	3795	3333	87.8	3309	87.2	3272	86.2	3708	3406	91.9	3385	91.3	3336	90.0	
Cardiff & Vale ULHB																						
Cardiff LA	1851	1615	87.3	1591	86.0	1518	82.0	1794	1526	85.1	1481	82.6	1422	79.3	1888	1628	86.2	1607	85.1	1550	82.1	
Vale of Glamorgan LA	746	676	90.6	662	88.7	627	84.0	836	729	87.2	705	84.3	675	80.7	785	696	88.7	691	88.0	663	84.5	
Health Board Total	2597	2291	88.2	2253	86.8	2145	82.6	2630	2255	85.7	2186	83.1	2097	79.7	2673	2324	86.9	2298	86.0	2213	82.8	
Cwm Taf LHB																						
Merthyr Tydfil LA	329	299	90.9	297	90.3	294	89.4	379	345	91.0	341	90.0	325	85.8	357	338	94.7	335	93.8	329	92.2	
Rhondda Cynon Taff LA	1288	1208	93.8	1191	92.5	1163	90.3	1320	1219	92.3	1209	91.6	1196	90.6	1292	1206	93.3	1200	92.9	1191	92.2	
Health Board Total	1617	1507	93.2	1488	92.0	1457	90.1	1699	1564	92.1	1550	91.2	1521	89.5	1649	1544	93.6	1535	93.1	1520	92.2	
Hywel Dda LHB																						
Cardiff LA	928	831	89.5	829	89.3	818	88.1	988	832	84.2	821	83.1	816	82.6	991	899	90.7	896	90.4	875	88.3	
Ceredigion LA	339	287	84.7	285	84.1	277	81.7	341	270	79.2	268	78.6	266	78.0	301	250	83.1	249	82.7	247	82.1	
Pembrokeshire LA	636	548	86.2	545	85.7	532	83.6	656	563	85.8	556	84.8	541	82.5	665	586	88.1	582	87.5	576	86.6	
Health Board Total	1903	1666	87.5	1659	87.2	1627	85.5	1985	1665	83.9	1645	82.9	1623	81.8	1957	1735	88.7	1727	88.2	1698	86.8	
Powys Teaching LHB	690	577	83.6	573	83.0	561	81.3	734	596	81.2	595	81.1	582	79.3	686	602	87.8	598	87.2	589	85.9	
Unknown	95	62	65.3	60	63.2	60	63.2	124	74	59.7	73	58.9	71	57.3	126	87	69.0	87	69.0	84	66.7	
Wales Total	16863	15053	89.3	14915	88.4	14602	86.6	17491	15164	86.7	14982	85.7	14703	84.1	17000	15278	89.9	15179	89.3	14821	87.2	

Table 10. Uptake of BCG immunisation in children reaching their 1st, 2nd, 5th and 16th birthdays between 01/04/13 and 30/06/13 and resident on 30/06/13.

Area	1 yr			2 yrs			5 yrs			16 yrs		
	Resident children (n)	BCG Immunised (n)	(%)	Resident children (n)	BCG Immunised (n)	(%)	Resident children (n)	BCG Immunised (n)	(%)	Resident children (n)	BCG Immunised (n)	(%)
<u>Abertawe Bro Morgannwg University</u>												
Bridgend LA	391	26	6.6	452	17	3.8	385	7	1.8	423	4	0.9
Neath Port Talbot LA	367	12	3.3	379	9	2.4	376	10	2.7	392	2	0.5
Swansea LA	640	68	10.6	627	66	10.5	723	80	11.1	657	10	1.5
Health Board Total	1398	106	7.6	1458	92	6.3	1484	97	6.5	1472	16	1.1
<u>Aneurin Bevan</u>												
Blaenau Gwent LA	175	1	0.6	195	4	2.1	237	2	0.8	187	1	0.5
Caerphilly LA	491	18	3.7	488	9	1.8	559	13	2.3	601	3	0.5
Monmouthshire LA	203	5	2.5	198	3	1.5	234	7	3.0	322	5	1.6
Newport LA	464	58	12.5	486	62	12.8	537	87	16.2	463	6	1.3
Torfaen LA	283	4	1.4	304	5	1.6	269	8	3.0	334	2	0.6
Health Board Total	1616	86	5.3	1671	83	5.0	1836	117	6.4	1907	17	0.9
<u>Betsi Cadwalladr University</u>												
Anglesey LA	206	1	0.5	204	1	0.5	184	4	2.2	176	1	0.6
Conwy LA	291	9	3.1	290	11	3.8	274	17	6.2	315	15	4.8
Denbighshire LA	249	9	3.6	274	13	4.7	275	16	5.8	250	10	4.0
Flintshire LA	392	8	2.0	433	10	2.3	441	18	4.1	454	13	2.9
Gwynedd LA	337	11	3.3	316	12	3.8	300	14	4.7	312	4	1.3
Wrexham LA	415	14	3.4	398	19	4.8	415	27	6.5	373	13	3.5
Health Board Total	1890	52	2.8	1915	66	3.4	1889	96	5.1	1880	56	3.0
<u>Cardiff and Vale University</u>												
Cardiff LA	1173	262	22.3	1142	249	21.8	1068	213	19.9	914	96	10.5
Vale of Glamorgan LA	369	15	4.1	406	22	5.4	403	12	3.0	362	13	3.6
Health Board Total	1542	277	18.0	1548	271	17.5	1471	225	15.3	1276	109	8.5
<u>Cwm Taf</u>												
Merthyr Tydfil LA	172	10	5.8	177	10	5.6	192	14	7.3	175	5	2.9
Rhondda Cynon Taff LA	653	25	3.8	683	26	3.8	681	15	2.2	695	9	1.3
Health Board Total	825	35	4.2	860	36	4.2	873	29	3.3	870	14	1.6
<u>Hywel Dda</u>												
Carmarthenshire LA	460	17	3.7	478	25	5.2	474	16	3.4	480	8	1.7
Ceredigion LA	187	10	5.3	151	11	7.3	152	7	4.6	145	10	6.9
Pembrokeshire LA	315	8	2.5	293	16	5.5	329	13	4.0	333	1	0.3
Health Board Total	962	35	3.6	922	52	5.6	955	36	3.8	958	19	2.0
<u>Powys Teaching Health Board</u>	280	6	2.1	333	6	1.8	344	10	2.9	393	6	1.5
Unknown	22	1	4.5	32	1	3.1	29	1	3.4	73	3	4.1
Wales Total	8535	598	7.0	8739	607	6.9	8881	611	6.9	8829	240	2.7

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 11. Uptake of hepatitis B immunisation in children receiving their first dose within seven days of birth, reaching their 1st, 2nd, 5th and 16th birthdays during 01/04/13 and 30/06/13 and resident on 30/06/13, and percentage who are recorded as completing doses 1 to 3.

Area	1yr					2yrs					5yrs					16yrs				
	Resident children	HepB dose 1	HepB dose 2	HepB dose 3	Completed 3 doses	Resident children	HepB dose 1	HepB dose 2	HepB dose 3	Completed 3 doses	Resident children	HepB dose 1	HepB dose 2	HepB dose 3	Completed 3 doses	Resident children	HepB dose 1	HepB dose 2	HepB dose 3	Completed 3 doses
Abertawe Bro Morgannwg University	(n)	(n)	(n)	(n)	(%)	(n)	(n)	(n)	(n)	(%)	(n)	(n)	(n)	(n)	(%)	(n)	(n)	(n)	(n)	(%)
Bridgend LA	391	1	0	0	0.0	452	1	1	1	100.0	385	1	1	0	0.0	423	1	0	0	0.0
Neath Port Talbot LA	367	1	1	1	100.0	379	0	0	0	-	376	3	3	2	66.7	392	1	0	0	0.0
Swansea LA	640	13	12	6	46.2	627	5	5	4	80.0	723	11	11	10	90.9	657	2	2	2	100.0
Health Board Total	1398	15	13	7	46.7	1458	6	6	5	83.3	1484	15	15	12	80.0	1472	4	2	2	50.0
Aneurin Bevan																				
Blaenau Gwent LA	175	0	0	0	-	195	0	0	0	-	237	0	0	0	-	187	0	0	0	-
Caerphilly LA	491	2	2	1	50.0	488	3	3	3	100.0	559	2	2	2	100.0	601	0	0	0	-
Monmouthshire LA	203	1	1	1	100.0	198	1	1	1	100.0	234	2	2	2	100.0	322	0	0	0	-
Newport LA	464	4	4	3	75.0	486	7	5	5	71.4	537	7	7	7	100.0	463	1	1	0	0.0
Torfaen LA	283	0	0	0	-	304	1	1	1	100.0	269	1	1	1	100.0	334	0	0	0	-
Health Board Total	1616	7	7	5	71.4	1671	12	10	10	83.3	1836	12	12	12	100.0	1907	1	1	0	0.0
Betsi Cadwaladr University																				
Anglesey LA	206	1	1	1	100.0	204	0	0	0	-	184	0	0	0	-	176	0	0	0	-
Conwy LA	291	1	1	1	100.0	290	3	3	3	100.0	274	3	3	3	100.0	315	1	0	0	0.0
Denbighshire LA	249	1	1	0	0.0	274	0	0	0	-	275	4	4	4	100.0	250	0	0	0	-
Flintshire LA	392	4	3	3	75.0	433	3	3	3	100.0	441	3	3	3	100.0	454	0	0	0	-
Gwynedd LA	337	1	0	0	0.0	316	1	1	1	100.0	300	4	3	3	75.0	312	0	0	0	-
Wrexham LA	415	0	0	0	-	398	6	6	6	100.0	415	0	0	0	-	373	1	1	1	100.0
Health Board Total	1890	8	6	5	62.5	1915	13	13	13	100.0	1889	14	13	13	92.9	1880	2	1	1	50.0
Cardiff and Vale University																				
Cardiff LA	1173	10	10	7	70.0	1142	25	25	23	92.0	1068	25	23	22	88.0	914	6	6	5	83.3
Vale of Glamorgan LA	369	1	0	0	0.0	406	0	0	0	-	403	2	2	0	0.0	362	1	1	1	100.0
Health Board Total	1542	11	10	7	63.6	1548	25	25	23	92.0	1471	27	25	22	81.5	1276	7	7	6	85.7
Cwm Taf																				
Merthyr Tydfil LA	172	0	0	0	-	177	0	0	0	-	192	4	4	3	75.0	175	1	1	1	100.0
Rhondda Cynon Taff LA	653	2	2	1	50.0	683	2	0	0	0.0	681	1	1	1	100.0	695	0	0	0	-
Health Board Total	825	2	2	1	50.0	860	2	0	0	0.0	873	5	5	4	80.0	870	1	1	1	100.0
Hywel Dda																				
Carmarthenshire LA	460	3	2	1	33.3	478	4	3	2	50.0	474	1	1	1	100.0	480	2	2	2	100.0
Ceredigion LA	187	1	1	0	0.0	151	3	2	2	66.7	152	2	2	1	50.0	145	0	0	0	-
Pembrokeshire LA	315	0	0	0	-	293	0	0	0	-	329	1	0	0	0.0	333	0	0	0	-
Health Board Total	962	4	3	1	25.0	922	7	5	4	57.1	955	4	3	2	50.0	958	2	2	2	100.0
Powys Teaching Health Board	280	0	0	0	-	333	0	0	0	-	344	7	7	7	100.0	393	1	1	1	100.0
Unknown	22	0	0	0	-	32	0	0	0	-	29	0	0	0	-	73	0	0	0	-
Wales Total	8535	47	41	26	55.3	8739	65	59	55	84.6	8881	84	80	72	85.7	8829	18	15	13	72.2

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