

Vaccine Uptake in Children in Wales

July to September 2021

COVER 140: Wales November 2021



Iechyd Cyhoeddus
Cymru
Public Health
Wales

Key points

- For one year old children in Wales, uptake of all routine immunisations remained above 95% this quarter, with the exception of rotavirus. Uptake of three doses of the "6 in 1" vaccine was 95.2% this quarter and was 95% or higher in four of the seven Health Boards (HBs) and 15 of the 22 Local Authority (LA) areas.
- Uptake of a complete three-dose course of MenB vaccine in two year olds was 94.2% this quarter. Two HBs and 10 LA areas had an uptake above 95%.
- Uptake of the first dose of MMR vaccine in two year old children was 94.4% this quarter. Two HBs and 11 LA areas achieved an uptake of 95% or over.
- The proportion of children up to date with all routine immunisations by four years of age was 87.5% this quarter and was 90.1% in five year olds.
- Uptake of one dose of Human Papillomavirus Vaccine (HPV) in the 2020-21 school year 8 children (12-13 year olds) is currently 71.9%. Catch-up immunisations will be required for those in this cohort who did not receive immunisations as scheduled. This is the second HPV cohort to include boys.
- Uptake of two doses of HPV in the 2020-21 school year 9 children (13-14 year olds), the first HPV cohort to include boys, is currently 37.7% with vaccination sessions ongoing.
- Uptake of routine MenACWY vaccine in the 2020-21 school year 9 cohort is 79.0%. Coverage of the MenACWY vaccine in the 2020-21 school year 10 cohort is 81.7%.
- Uptake of the Td/IPV teenage booster in the 2020-21 school year 9 cohort is 78.2%. Coverage of the Td/IPV teenage booster in the 2020-21 school year 10 is 81.5%.
- Coverage of one dose of MMR vaccine in the 2020-21 school year 10 (age 14-15 years) was 95.2%, coverage of two doses was 91.6%.
- Coverage of one dose of MMR vaccine in the 2020-21 school year 11 (age 15-16 years) was 95.1%, coverage of two doses is 91.5%.

Background

These results are for children living in Wales in September 2021 and reaching their first, second, fourth, fifth and 16th birthdays during the quarter 01/07/2021 to 30/09/2021. Uptake of key immunisations in older children, which are mainly provided through school based programmes in all areas other than Cardiff and Vale University Health Board, are presented in school year cohorts (children reaching their 14th, 15th and 16th birthdays between 01/09/2020 and 31/08/2021). BCG immunisation uptake data are also presented here for children vaccinated selectively following risk assessment. Coverage of neonatal hepatitis B immunisation in infants at risk is also presented, using data from the Public Health Wales Neonatal Hepatitis B database. MenACWY conjugate vaccine uptake figures for teenagers and young adults born from 01/09/1996 to 31/08/1999, vaccinated as part of the general practice-based catch-up campaign are available from:

<http://www.wales.nhs.uk/sitesplus/888/page/88528>

Findings

1. Uptake of all three doses of the combined “6 in 1” DTaP/IPV/Hib/HepB¹ vaccine, scheduled at two, three and four months of age, in children reaching their first birthday was 95.2% this quarter, compared to 95.3% last quarter. Uptake ranged by HB from 92.4% (Cardiff and Vale) to 97.6% (Cwm Taf Morgannwg) and by LA from 91.4% (Conwy) to 98.9% Bridgend). Four of the seven HBs and 15 of the 22 LA areas achieved the target 95% uptake (Figures 2, 3 and 6, Tables 2 and 3).
2. Uptake of pneumococcal conjugate vaccination (PCV) in children reaching their first birthday decreased to 96.6% this quarter, compared to 97.0% last quarter. This is the third quarterly cohort of children to be on the new one dose primary PCV course [1]. Uptake ranged by LA from 93.9% (Vale of Glamorgan) to 98.7% (Bridgend). Five of the seven HBs and 20 of the 22 LA areas achieved the target 95% uptake (Figures 2 and 3, Tables 2 and 3).
3. Uptake of two doses of MenB vaccine, scheduled at two and four months of age, in children reaching their first birthday was 95.2% this quarter. Uptake in HBs ranged from 92.3% (Cardiff and Vale) to 97.4% (Cwm Taf Morgannwg) and ranged by LA from 92.3% (Cardiff) to 98.7% (Bridgend) (Figure 3, Tables 2 and 3).
4. Uptake of two doses of rotavirus vaccine in children reaching their first birthday was 92.8% this quarter, compared to 93.5% last quarter. Uptake in HBs ranged from 87.9% (Cardiff and Vale) to 96.4% (Cwm Taf Morgannwg) and ranged by LA from 87.5% (Vale of Glamorgan) to 97.6% (Bridgend) (Figures 2 and 3, Tables 2 and 3).
5. Uptake of the first dose of MMR² in children reaching their second birthday (scheduled at 12 to 13 months of age) was 94.4% this quarter. Uptake ranged by HB from 92.7% (Cardiff and Vale) to 97.0% (Cwm Taf Morgannwg) and by LA area from 90.3% (Conwy) to 98.1% (Merthyr Tydfil). Two HBs and 12 LA areas achieved the target of 95% uptake (Figures 2, 3 and 7, Tables 2 and 4).
6. Uptake of the complete three dose course of MenB vaccine in children reaching their second birthday decreased to 94.2% this quarter compared to 94.6% last quarter. Uptake ranged by HB from 91.6% (Cardiff and Vale) to 97.0% (Cwm Taf Morgannwg) and by LA from 89.2% (Conwy) to 98.1% (Merthyr Tydfil). Two of the seven HBs and 11 of the 22 LA areas achieved the target 95% uptake (Figures 2 and 3, Tables 2 and 4).
7. 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 94.5% compared to 95.0% last quarter. Uptake ranged by HB from 92.5% (Cardiff and Vale) to 97.2% (Cwm Taf Morgannwg) and ranged by LA from 89.9% (Ceredigion) to 98.1% (Merthyr Tydfil). Three HBs and twelve LA areas achieved an uptake of 95% or over (Figure 3, Tables 2 and 4).
8. Uptake of the Hib/MenC booster (given at 12 to 13 months of age) in children reaching two years of age decreased to 94.2% this quarter compared to 94.8% last quarter. Uptake ranged by HB from 92.0% (Cardiff and Vale) to 96.7% (Powys Teaching), and ranged by LA from 89.1% (Ceredigion) to 97.5% (Isle of Anglesey and Gwynedd). Three HBs and eleven LA areas achieved uptakes in excess of 95% (Figures 1, 2 and 3, Tables 2 and 4).
9. In children reaching four years of age this quarter (Table 5), uptake of:
 - The “4 in 1” DTaP/IPV³ pre-school booster was 88.7%
 - The Hib/MenC booster was 95.2%
 - Two doses of MMR was 88.5%

The proportion of children who were up to date with all these routine immunisations at four years of age was 87.5%. This ranged by HB from 84.9% (Cardiff and Vale) to 90.3% (Cwm Taf Morgannwg) and by LA from 81.3% (Conwy) to 94.4% (Isle of Anglesey) (Figures 4 and 5, Tables 1, 2 and 5).

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

² MMR protects against measles, mumps and rubella infections.

³ DTaP/IPV (and dTaP/IPV) vaccines boost protection against Diphtheria, Tetanus, Pertussis and Polio infection before school entry.

10. The proportion of children who were up to date with routine immunisations by their fifth birthday was 90.1%, a decrease compared to 90.8% last quarter. This ranged by HB from 86.7% (Cardiff and Vale) to 93.1% (Cwm Taf Morgannwg) (Table 6).
11. In children reaching five years of age this quarter, coverage of one dose of MMR was 96.3%. Coverage of two doses of MMR was 91.4%. Coverage of two doses of MMR ranged by HB from 88.6% (Cardiff and Vale) to 94.2% (Cwm Taf Morgannwg) and by LA from 87.0% (Newport) to 96.3% (Isle of Anglesey) (Figures 1, 2, 3 and 8, Tables 2, 6 and 7).
12. Uptake of the “4 in 1” DTaP/IPV³ pre-school booster in children reaching their fifth birthday decreased to 91.9% this quarter compared to 92.2% last quarter, ranging by HB from 89.6% (Cardiff and Vale) to 94.2% (Cwm Taf Morgannwg) and by LA from 87.6% (Newport) to 96.8% (Isle of Anglesey). One of the 22 LAs achieved the 95% uptake target (Figure 3 and 9, Tables 2, 6 and 7).
13. Uptake of the first dose of HPV vaccine for children in the 2020-21 school year 8 cohort (turning 13 years of age during 01/09/20 to 31/08/21) has increased to 71.9% compared to 60.1% last quarter. This is the second school cohort to include boys eligible for the HPV vaccine (Table 8a) [2]. Timings of school vaccination sessions vary throughout the year and uptake in this cohort will have been affected as a result of paused vaccination sessions in schools following COVID-19 control measures.
14. Coverage of the first dose of HPV vaccine in the 2020-21 school year 9 cohort is currently 81.2% (84.1% in girls and 78.4% in boys) and uptake of the second dose in this age group is currently 37.7% (39.8% in girls and 35.8% in boys) (Table 8b). This was the first school cohort to include boys eligible for the HPV vaccine.
15. Coverage of a complete two dose course of HPV vaccine in 2020-21 school year 10 girls (girls reaching their 15th birthday during 01/09/20 to 31/08/21) is currently 74.6% (Table 9).
16. Current uptake of the MenACWY vaccine in the 2020-21 routine school year 9 cohort is 79.0% (Table 10 and 11). Coverage in the 2020-21 school years 10, 11 and 12, is currently 81.7%, 86.5% and 86.2% respectively (Table 10).
17. Uptake of the Td/IPV⁴ teenage booster in the 2020-21 school year 9 (children reaching 14 years of age) is currently 78.2%. Coverage of two doses of MMR in this year group is currently 92.5% and coverage of one dose is 95.8%. Coverage of two doses of MMR vaccine ranged by HB from 90.1% (Hywel Dda) to 93.9% (Cwm Taf Morgannwg). Coverage of a full course of immunisation against rubella (two doses of MMR) in 14 year old girls in this school year group was 92.8% (Table 11).
18. Coverage of the Td/IPV teenage booster in the 2020-21 school year 10 (children reaching 15 years of age) is currently 81.5%. Coverage ranged by HB from 73.4% (Hywel Dda) to 90.8% (Cwm Taf Morgannwg). Coverage of two doses of MMR in this year group was 91.6% and coverage of one dose was 95.2%. Coverage of two doses of MMR vaccine ranged by HB from 88.1% (Powys Teaching) to 93.0% (Betsi Cadwaladr). Coverage of a full course of immunisation against rubella (two doses of MMR) in 15 year old girls in this school year group was 92.0% (Table 12).
19. Coverage of the Td/IPV teenage booster in the 2020-21 school year 11 (children reaching 16 years of age) is currently 86.4%. Coverage ranged by HB from 78.8% (Cardiff and Vale) to 91.6% (Cwm Taf Morgannwg). Coverage of two doses of MMR in this year group was 91.5% and coverage of one dose was 95.1%. Coverage of two doses of MMR vaccine ranged by HB from 88.7% (Powys Teaching) to 93.3% (Aneurin Bevan). Coverage of a full course of immunisation against rubella (two doses of MMR) in 16 year old girls in this school year group was 91.8% (Table 13).
20. Coverage of two doses of MMR in children reaching 16 years of age this quarter (between 1st July 2021 and 30th September 2021) was 91.8%, whilst coverage of one dose of MMR was 95.5%. Coverage of a full course of immunisation against rubella (two doses of MMR) in 16

³ DTaP/IPV (and dTaP/IPV) vaccines boost protection against Diphtheria, Tetanus, Pertussis and Polio infection before school entry.

⁴Td/IPV boosts protection against Diphtheria, Tetanus and Polio infection before entering adulthood.

year old girls was 92.1%. National coverage of the Td/IPV teenage booster in children reaching 16 years of age this quarter was 84.3% (Figures 1, 2 and 3, Tables 2 and 14).

21. Uptake of BCG immunisation is presented in Table 15. These data are based on BCG immunisations recorded in the National Community Child Health Database. BCG immunisation has been received by 7.0%, 7.5%, 5.1% and 4.9% of children reaching their first, second, fifth and 16th birthdays (respectively) during quarter three of 2021. This quarter Cardiff LA had the highest proportion of children given BCG by one year of age (24.6%), two years of age (20.3%) and sixteen years of age (11.9%). Newport LA had the highest proportion of children vaccinated by five years of age (16.3%).⁵
22. Uptake data for hepatitis B immunisation in children who were at risk of perinatal infection, extracted from the Public Health Wales All Wales Neonatal Hepatitis B Immunisation Database, is presented in Table 16. This quarter uptake of three doses of hepatitis B vaccine at their first birthday was 100.0%, uptake of four doses⁶ at their second birthday was 66.7% and uptake of four doses at their fifth birthday was 85.7%. Proportions should be interpreted with caution as small numbers of babies require an enhanced course of hepatitis B immunisation.

⁵ BCG protects against tuberculosis infection. Numbers of eligible children for BCG are not known.

⁶ Uptake of the forth dose refers to uptake of the monovalent hepatitis B vaccine due at one year of age. Two year olds in this report were eligible for the “6 in 1” vaccine that replaced the “5 in 1” vaccine in August 2017. These children would have received two doses of monovalent hepatitis B vaccine followed by three doses of DTaP/IPV/Hib/HepB and one dose of monovalent vaccine at one year of age to ensure protection against Hepatitis B infection.

Comment

This is the fourth quarterly COVER report containing vaccination uptake for infants and younger children who would have been due their vaccinations since COVID-19 control measures were first implemented in Wales in March 2020. For most routine vaccinations, coverage remains high and stable. Although vaccine uptake in children under 2 years of age has decreased this quarter, it remains within the range of uptake reported over the previous three years.

For the July to September 2021 quarter, uptake of the complete three-dose course of “6 in 1” vaccine by the first birthday remained above 95%. Uptake of all other routine primary immunisations in infants aged one this quarter were also 95% or higher, excluding rotavirus (which cannot be given beyond 24 weeks of age).

Uptake of immunisations measured at two years of age remained slightly below 95% this quarter. Uptake of all immunisations reported in this age group have decreased slightly compared to the previous quarter. The proportions of children who were up to date with their routine immunisations by four and five years of age also decreased this quarter, with coverage varying by health board. Although there have been some quarterly fluctuations, the long-term trend in coverage of two doses of MMR by five years of age has been gradually decreasing.

School immunisation sessions for older children were suspended after the closure of schools on 20 March 2020, affecting routine Td/IPV, MenACWY and HPV vaccination, and opportunistic MMR catch up. A phased return to schools began on 29 June 2020, with full reopening on 1 September 2020. All secondary schools and colleges moved to online learning from the 14th December 2020. Wales entered alert level 4 and a second full lockdown on the 20th December 2020 [3]. A phased return to school began on 22nd February 2021 with younger children returning first and a full reopening of all schools from 12th April 2021. Coverage of the teenage 3 in 1 booster and MenACWY vaccines due in 2020-21 School Year 9 is increasing and is now at a higher level when compared to the 2019-20 School Year 9 at the same point last year. However, coverage remains lower compared to the 2018-19 School Year [4, 5].

Of all the teenage vaccines, uptake of the HPV vaccine appears to be the most impacted by school interruptions during the pandemic. Uptake of the first dose in the 2019-20 school year 8 (2020-21 school year 9), the first cohort to include routine HPV vaccination for boys was 81%; with uptake of two doses much lower at 38% [2]. Catch-up activities for this cohort will need to continue for school year 10. MMR coverage in teenagers remains stable.

There continues to be infrequent notifications of vaccine preventable diseases to Public Health Wales Health Protection Teams [6], with potential for resurgent infections following relaxation of restriction on movement. Catch-up of routine vaccinations at every opportunity remains a priority in averting future large outbreaks of preventable infections.

References

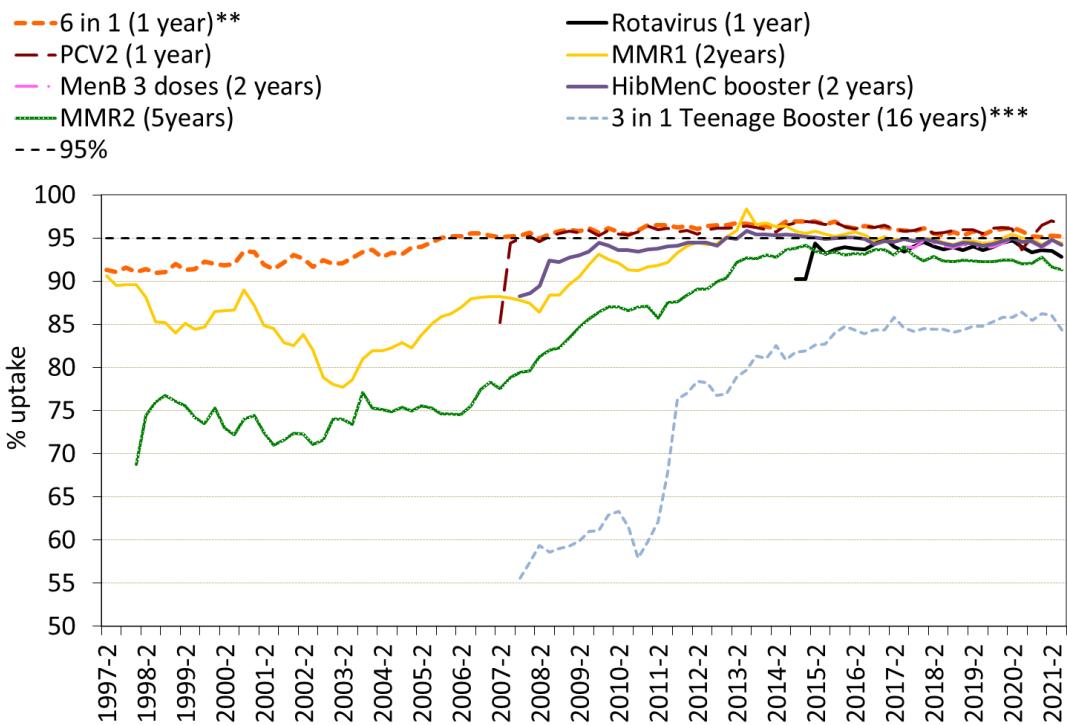
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Report prepared by Public Health Wales Vaccine Preventable Disease Programme and Communicable Disease Surveillance Centre.

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 nurses and doctors 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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Figure 1. Percentage uptake of childhood immunisations in Wales, quarter 2 1997 to quarter 3 2021*.

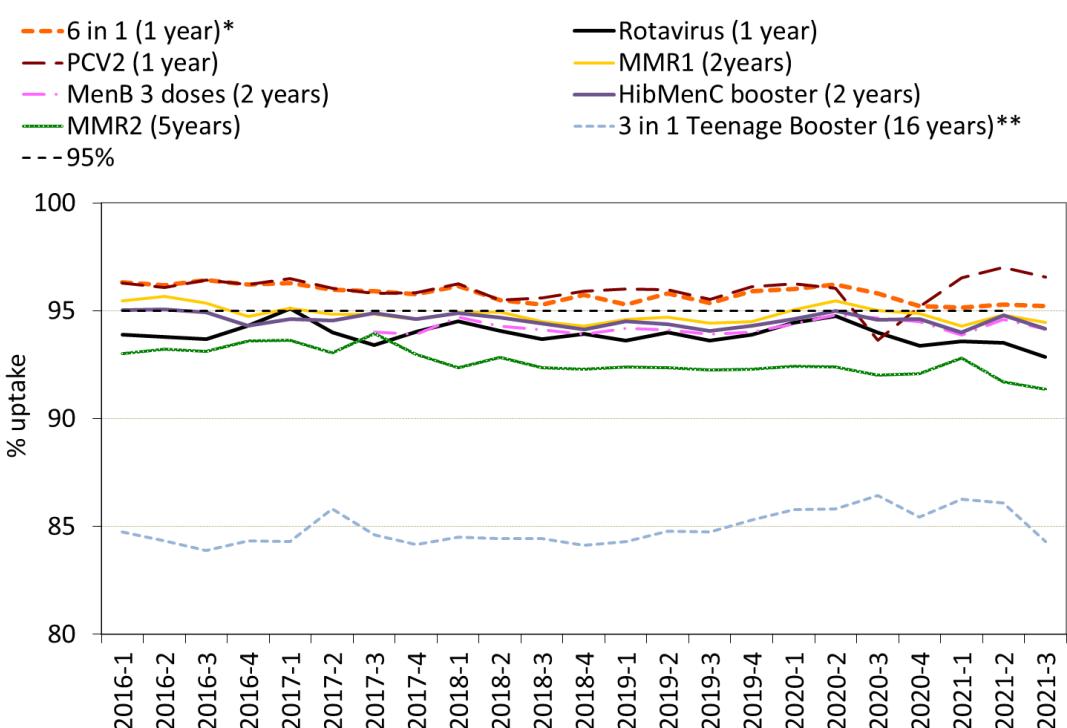


*Uptake data for quarter 3 2014 to quarter 4 2014 presented here are based on estimates calculated in August 2015, rather than published data, due to data quality problems affecting reported uptake of some immunisations in reports published during this period.

**Uptake of pertussis used as a proxy.

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

Figure 2. Percentage uptake of childhood immunisations in Wales, quarter 1 2016 to quarter 3 2021***



* Uptake of pertussis used as proxy.

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

***Uptake data for MMR2 at 5 years and the "3 in 1" teenage booster at 16 years from 2015 Q1 to 2018 Q3 are based on estimates calculated in February 2019, rather than published data. This is due to improvements in data quality made during early 2019.

Figure 3. Summary of uptake rates for selected immunisations in resident children reaching their 1st, 2nd, 5th and 16th birthday between 01/07/21 and 30/09/21 and resident on 30/09/21.

All Wales Summary - COVER 140



Figure 4. Percentage uptake of resident children reaching their 4th birthday between 01/07/21 and 30/09/21 and are up to date with all scheduled vaccines⁷ by health board.

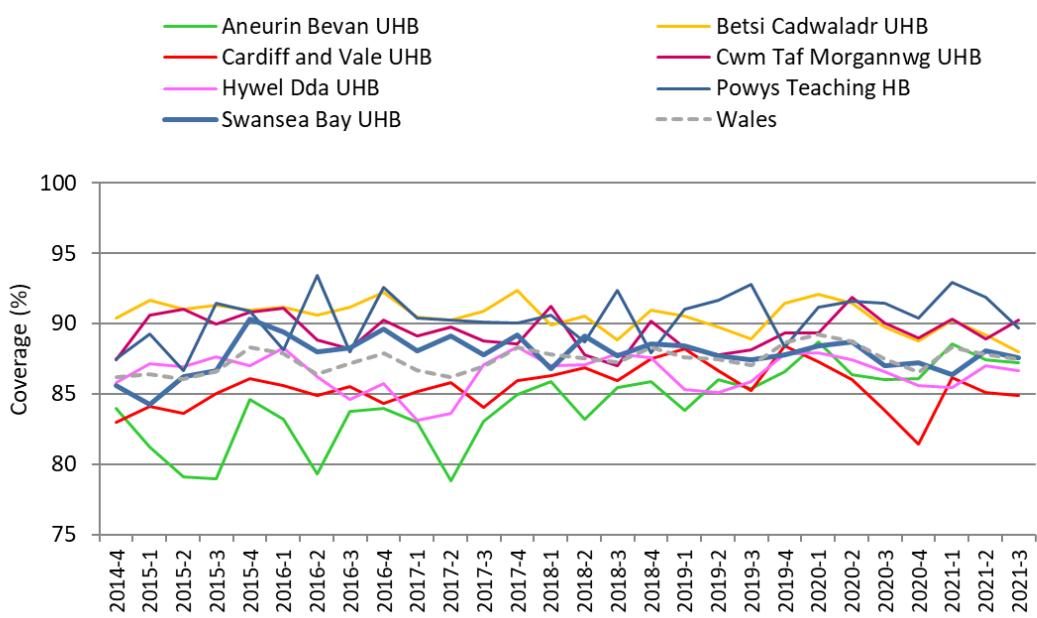


Table 1. Percentages of resident children reaching their 4th birthday during quarter 3 2020 to quarter 3 2021 who are up to date with all scheduled vaccines⁷, by Health Board.

Area	2020-3	2020-4	2021-1	2021-2	2021-3
Aneurin Bevan UHB	86.0	86.1	88.6	87.4	87.2
Betsi Cadwaladr UHB	89.8	88.8	90.3	89.2	88.0
Cardiff and Vale UHB	83.9	81.4	86.2	85.1	84.9
Cwm Taf Morgannwg UHB	90.1	89.0	90.4	88.9	90.3
Hywel Dda UHB	86.6	85.6	85.4	87.0	86.7
Powys Teaching HB	91.4	90.4	92.9	91.9	89.7
Swansea Bay UHB	87.0	87.2	86.3	88.0	87.6
Wales	87.5	86.5	88.3	87.8	87.5

⁷Completed “4 in 1” preschool booster, the Hib/MenC booster and second MMR dose by four years of age.

Figure 5. Trends in the percentages of children reaching their 4th birthday during quarter 3 2014 to quarter 3 2021, who are up to date with all scheduled vaccines⁷, 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. 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. Uptake data from 2015 Q1 to 2018 Q3 are based on estimates calculated in February 2019, rather than published data. This is due to improvements in data quality made during early 2019.

Figure 6. Uptake of “6 in 1” vaccine in Welsh Local Authority areas in children reaching their 1st birthday between 01/07/21 and 30/09/21.

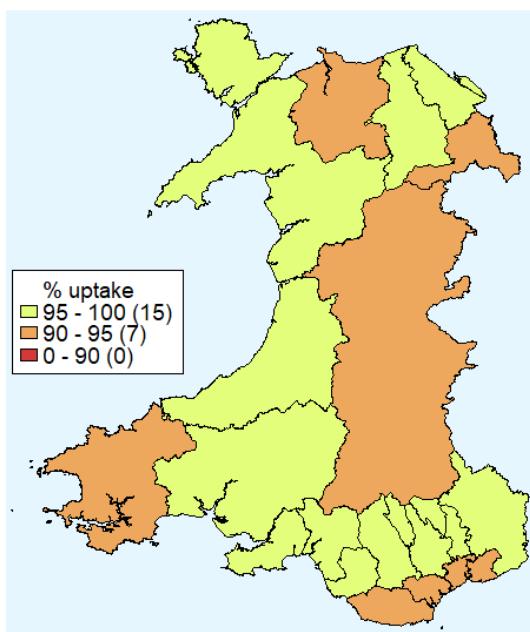


Figure 7. Uptake of at least one dose of MMR immunisation in Welsh Local Authority areas in children reaching their 2nd birthday between 01/07/21 and 30/09/21.

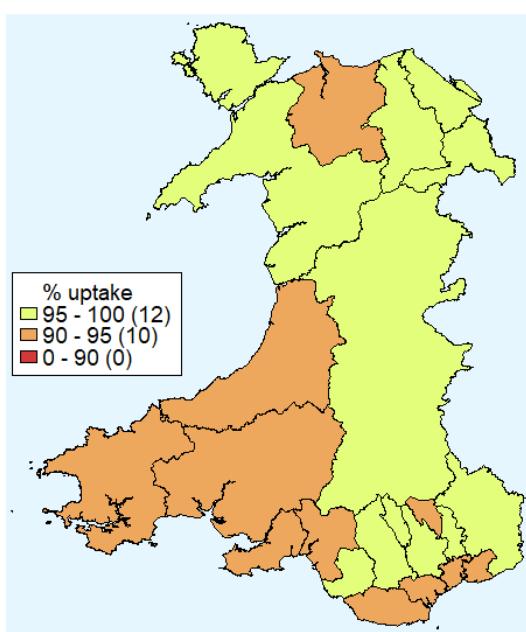


Figure 8. Uptake of two doses of MMR vaccine in Welsh Local Authority areas in children reaching their 5th birthday between 01/07/21 and 30/09/21.

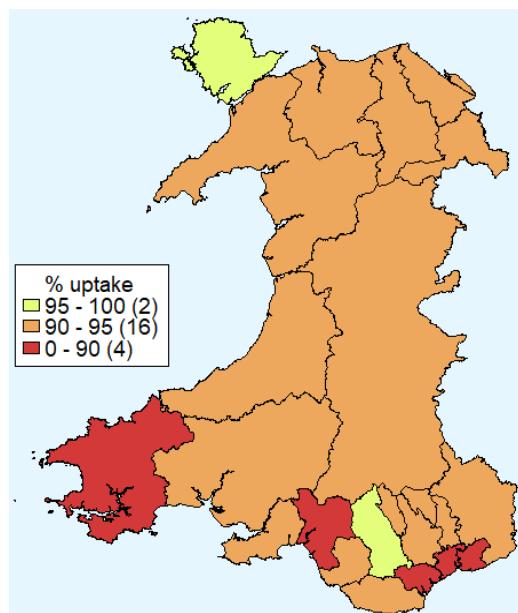


Figure 9. Uptake of “4 in 1” vaccine in Welsh Local Authority areas in children reaching their 5th birthday between 01/07/21 and 30/09/21.

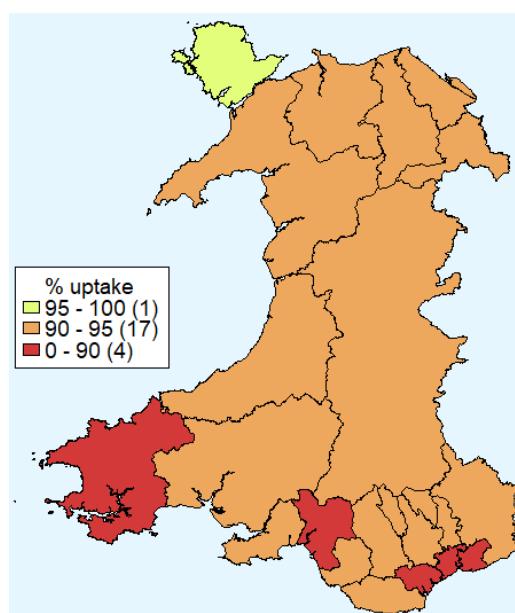


Table 2. Summary table with uptake of selected immunisations in resident children reaching their 1st, 2nd, 5th and 16th birthday between 01/07/21 and 30/09/21 and resident on 30/09/21.

Area	Age 1 year					Age 2 years					Age 4 years			Age 5 years			Age 16 years			
	Resident children (n)	6 in 1 ¹	MenB ²	PCV	Rotavirus	Resident children (n)	MMR1	PCV ³	MenB ⁴	Hib/MenC	Resident Children (n)	Up to date in schedule ⁵	Resident children (n)	MMR2	4 in 1 ¹	Resident children (n)	MMR1	MMR2	MenACWY	3 in 1 Teenage booster ⁶
Aneurin Bevan UHB																				
Blaenau Gwent LA	190	96.8	96.8	98.4	91.6	196	93.9	93.4	93.4	93.4	209	92.3	178	93.8	93.3	192	96.9	93.8	88.0	88.0
Caerphilly LA	417	96.9	96.9	97.6	95.2	477	95.0	95.4	95.4	94.3	522	90.8	535	92.3	92.1	593	97.5	96.1	86.3	86.0
Monmouthshire LA	191	96.9	96.9	97.4	95.8	184	96.2	96.2	96.2	96.2	229	86.9	214	93.9	93.9	272	95.2	92.6	79.4	78.7
Newport LA	496	94.6	94.6	96.0	92.5	501	92.6	92.8	92.8	92.2	538	84.4	509	87.0	87.6	493	94.9	91.3	83.0	83.4
Torfaen LA	252	95.2	95.6	96.4	94.4	239	95.8	96.2	96.2	95.0	250	82.0	278	92.8	94.2	296	98.6	95.3	82.8	83.1
Health Board Total	1546	95.9	95.9	97.0	93.9	1597	94.4	94.6	94.6	93.9	1748	87.2	1714	91.2	91.5	1846	96.6	93.9	84.0	84.0
Betsi Cadwaladr UHB																				
Anglesey LA	164	97.0	97.6	97.0	93.9	158	96.2	97.5	97.5	97.5	178	94.4	189	96.3	96.8	185	95.1	94.1	85.9	88.1
Conwy LA	257	91.4	93.0	96.1	89.5	277	90.3	90.3	89.2	89.9	262	81.3	297	92.6	94.3	301	96.0	94.4	87.0	86.7
Denbighshire LA	228	95.2	95.6	96.1	92.5	267	95.1	94.8	94.4	94.8	260	85.4	281	91.5	91.8	287	94.4	93.0	81.2	80.8
Flintshire LA	377	95.8	96.3	97.9	93.1	388	95.1	95.1	94.6	95.1	406	89.4	425	94.6	94.8	429	95.6	91.4	78.8	77.2
Gwynedd LA	272	95.2	94.1	97.1	91.2	240	96.3	97.5	97.1	97.5	310	88.1	283	91.5	91.2	366	98.4	96.4	90.7	90.4
Wrexham LA	330	94.8	95.2	96.7	91.2	359	95.5	95.8	95.5	96.1	391	89.8	379	94.2	94.2	411	96.4	92.0	78.3	78.1
Health Board Total	1628	94.8	95.2	96.9	91.8	1689	94.7	95.0	94.5	95.0	1807	88.0	1854	93.4	93.8	1979	96.1	93.4	83.2	82.8
Cardiff and Vale UHB																				
Cardiff LA	914	92.3	92.3	95.1	88.1	957	92.0	91.7	90.7	91.2	1058	83.6	1074	87.8	89.0	1074	94.1	88.4	76.2	76.2
Vale of Glamorgan LA	327	92.7	92.4	93.9	87.5	332	94.9	94.6	94.3	94.3	378	88.6	382	90.8	91.1	356	95.5	90.4	81.5	80.9
Health Board Total	1241	92.4	92.3	94.8	87.9	1289	92.7	92.5	91.6	92.0	1436	84.9	1456	88.6	89.6	1430	94.5	88.9	77.5	77.3
Cwm Taf Morgannwg UHB																				
Bridgend LA	375	98.9	98.7	98.7	97.6	328	97.3	97.3	96.6	95.7	409	89.2	422	93.1	93.1	445	94.6	90.8	90.1	90.1
Merthyr Tydfil LA	135	97.0	96.3	97.8	97.0	155	98.1	98.1	98.1	97.4	194	85.1	197	93.9	93.9	188	95.7	91.0	90.4	89.9
Rhondda Cynon Taf LA	624	97.0	96.8	97.8	95.5	616	96.6	96.9	96.9	96.3	692	92.3	720	95.0	94.9	769	96.6	92.2	92.8	93.0
Health Board Total	1134	97.6	97.4	98.1	96.4	1099	97.0	97.2	97.0	96.3	1295	90.3	1339	94.2	94.2	1402	95.9	91.6	91.7	91.7
Hywel Dda UHB																				
Carmarthenshire LA	456	95.4	95.2	95.8	93.9	450	94.4	94.9	94.0	94.7	492	84.6	510	91.0	92.4	541	94.6	93.2	85.2	85.2
Ceredigion LA	122	96.7	96.7	96.7	96.7	119	90.8	89.9	89.9	89.1	158	90.5	165	90.3	90.3	186	96.8	93.0	87.1	88.2
Pembrokeshire LA	240	93.3	93.8	95.0	91.3	297	93.3	93.6	92.6	92.6	324	88.0	325	87.1	87.7	331	94.3	89.4	71.6	71.6
Health Board Total	818	95.0	95.0	95.7	93.5	866	93.5	93.8	93.0	93.2	974	86.7	1000	89.6	90.5	1058	94.9	92.0	81.3	81.5
Powys Teaching UHB																				
Health Board Total	246	93.9	93.5	94.7	91.5	276	96.4	96.4	96.0	96.7	329	89.7	331	91.5	92.4	366	90.4	85.2	84.4	83.6
Swansea Bay UHB																				
Neath Port Talbot LA	326	96.6	96.6	98.2	96.6	317	94.3	95.6	95.3	95.3	391	86.4	391	89.0	89.3	450	96.7	94.0	90.9	90.4
Swansea LA	534	95.9	95.5	96.8	94.4	613	93.8	93.0	93.0	93.5	650	88.3	649	90.3	92.0	670	94.8	90.0	90.4	90.0
Health Board Total	860	96.2	95.9	97.3	95.2	930	94.0	93.9	93.8	94.1	1041	87.6	1040	89.8	91.0	1120	95.5	91.6	90.6	90.2
Unknown	7	100.0	100.0	100.0	85.7	15	86.7	86.7	86.7	86.7	12	66.7	3	66.7	66.7	26	96.2	96.2	73.1	80.8
Wales Total	7480	95.2	95.2	96.6	92.8	7761	94.4	94.5	94.2	94.2	8642	87.5	8737	91.4	91.9	9227	95.5	91.8	84.5	84.3

¹ Uptake of pertussis used as proxy.

² Uptake of two doses of meningococcal serogroup B (MenB) vaccine, scheduled at two and four months of age

³ Children receiving the final dose of PCV

⁴ Uptake of 3 doses of meningococcal serogroup B (MenB) vaccine, scheduled at two, four and 12-13 months of age

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

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

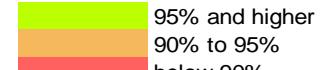


Table 3. Vaccine uptake in children reaching their 1st birthday between 01/07/21 and 30/09/21 and resident on 30/09/21.

Area	Resident children			D3		T3		P3		Po3		Hib3		HepB		MMR1		Rotavirus		PCV ¹		Men B ²		HibMenC	
	(n)	(n)	(%)	(n)	(n)	(%)	(n)	(n)	(%)	(n)	(n)	(%)	(n)	(n)	(%)	(n)	(n)	(%)	(n)	(n)	(%)	(n)	(n)	(%)	
Aneurin Bevan University HB																									
Blaenau Gwent LA	190	184	96.8	184	96.8	184	96.8	184	96.8	184	96.8	184	96.8	184	96.8	1	0.5	174	91.6	187	98.4	184	96.8	0	0.0
Caerphilly LA	417	404	96.9	404	96.9	404	96.9	404	96.9	404	96.9	404	96.9	404	96.9	0	0.0	397	95.2	407	97.6	404	96.9	0	0.0
Monmouthshire LA	191	185	96.9	185	96.9	185	96.9	185	96.9	185	96.9	185	96.9	185	96.9	0	0.0	183	95.8	186	97.4	185	96.9	0	0.0
Newport LA	496	469	94.6	469	94.6	469	94.6	469	94.6	469	94.6	469	94.6	469	94.6	0	0.0	459	92.5	476	96.0	469	94.6	0	0.0
Torfaen LA	252	240	95.2	240	95.2	240	95.2	240	95.2	240	95.2	240	95.2	240	95.2	1	0.4	238	94.4	243	96.4	241	95.6	1	0.4
Health Board Total	1546	1482	95.9	1480	95.7	2	0.1	1451	93.9	1499	97.0	1483	95.9	1	0.1										
Betsi Cadwaladr University HB																									
Anglesey LA	164	159	97.0	159	97.0	159	97.0	159	97.0	159	97.0	159	97.0	159	97.0	1	0.6	154	93.9	159	97.0	160	97.6	1	0.6
Conwy LA	257	235	91.4	235	91.4	235	91.4	235	91.4	235	91.4	235	91.4	235	91.4	0	0.0	230	89.5	247	96.1	239	93.0	0	0.0
Denbighshire LA	228	217	95.2	217	95.2	217	95.2	217	95.2	217	95.2	217	95.2	217	95.2	0	0.0	211	92.5	219	96.1	218	95.6	0	0.0
Flintshire LA	377	361	95.8	361	95.8	361	95.8	361	95.8	361	95.8	361	95.8	361	95.8	0	0.0	351	93.1	369	97.9	363	96.3	0	0.0
Gwynedd LA	272	259	95.2	259	95.2	259	95.2	259	95.2	259	95.2	259	95.2	259	95.2	1	0.4	248	91.2	264	97.1	256	94.1	0	0.0
Wrexham LA	330	313	94.8	313	94.8	313	94.8	313	94.8	313	94.8	313	94.8	312	94.5	1	0.3	301	91.2	319	96.7	314	95.2	1	0.3
Health Board Total	1628	1544	94.8	1542	94.7	3	0.2	1495	91.8	1577	96.9	1550	95.2	2	0.1										
Cardiff and Vale University HB																									
Cardiff LA	914	844	92.3	844	92.3	844	92.3	844	92.3	844	92.3	843	92.2	1	0.1	805	88.1	869	95.1	844	92.3	0	0.0		
Vale of Glamorgan LA	327	303	92.7	303	92.7	303	92.7	303	92.7	303	92.7	303	92.7	303	92.7	1	0.3	286	87.5	307	93.9	302	92.4	2	0.6
Health Board Total	1241	1147	92.4	1146	92.3	2	0.2	1091	87.9	1176	94.8	1146	92.3	2	0.2										
Cwm Taf Morgannwg University HB																									
Bridgend LA	375	371	98.9	371	98.9	371	98.9	371	98.9	371	98.9	371	98.9	371	98.9	2	0.5	366	97.6	370	98.7	370	98.7	2	0.5
Merthyr Tydfil LA	135	131	97.0	131	97.0	131	97.0	131	97.0	131	97.0	131	97.0	131	97.0	0	0.0	131	97.0	132	97.8	130	96.3	0	0.0
Rhondda Cynon Taf LA	624	605	97.0	605	97.0	605	97.0	605	97.0	605	97.0	605	97.0	605	97.0	1	0.2	596	95.5	610	97.8	604	96.8	1	0.2
Health Board Total	1134	1107	97.6	3	0.3	1093	96.4	1112	98.1	1104	97.4	3	0.3												
Hywel Dda University HB																									
Carmarthenshire LA	456	435	95.4	435	95.4	435	95.4	435	95.4	435	95.4	435	95.4	435	95.4	3	0.7	428	93.9	437	95.8	434	95.2	3	0.7
Ceredigion LA	122	118	96.7	118	96.7	118	96.7	118	96.7	118	96.7	118	96.7	118	96.7	1	0.8	118	96.7	118	96.7	118	96.7	1	0.8
Pembrokeshire LA	240	224	93.3	224	93.3	224	93.3	224	93.3	224	93.3	224	93.3	224	93.3	0	0.0	219	91.3	228	95.0	225	93.8	0	0.0
Health Board Total	818	777	95.0	4	0.5	765	93.5	783	95.7	777	95.0	4	0.5												
Powys Teaching HB																									
Health Board Total	246	231	93.9	1	0.4	225	91.5	233	94.7	230	93.5	1	0.4												
Swansea Bay University HB																									
Neath Port Talbot LA	326	315	96.6	315	96.6	315	96.6	315	96.6	315	96.6	315	96.6	315	96.6	0	0.0	315	96.6	320	98.2	315	96.6	0	0.0
Swansea LA	534	512	95.9	512	95.9	512	95.9	512	95.9	512	95.9	512	95.9	512	95.9	1	0.2	504	94.4	517	96.8	510	95.5	1	0.2
Health Board Total	860	827	96.2	1	0.1	819	95.2	837	97.3	825	95.9	1	0.1												
Unknown	7	7	100.0	7	100.0	7	100.0	7	100.0	7	100.0	7	100.0	7	100.0	0	0.0	6	85.7	7	100.0	7	100.0	0	0.0
Wales Total	7480	7122	95.2	7117	95.1	16	0.2	6945	92.8	7224	96.6	7122	95.2	14	0.2										

¹ One dose of pneumococcal conjugate vaccine.

² Uptake of 3 doses of meningococcal serogroup B (MenB) vaccine, scheduled at two, four and 12-13 months of age

Table 4. Vaccine uptake in children reaching their 2nd birthday between 01/07/21 and 30/09/21 and resident on 30/09/21.

Area	Resident children		D3		T3		P3		Po3		Hib3		HepB ¹		MMR1		PCV2 ¹		PCVf ²		Men B ³		HibMenC		
	(n)	(n)	(%)	(n)	(%)	(n)	(%)	(n)	(%)	(n)	(%)	(n)	(%)	(n)	(%)										
Aneurin Bevan University HB																									
Blaenau Gwent LA	196	190	96.9	190	96.9	190	96.9	190	96.9	190	96.9	190	96.9	184	93.9	191	97.4	183	93.4	183	93.4	183	93.4		
Caerphilly LA	477	464	97.3	464	97.3	464	97.3	464	97.3	464	97.3	464	97.3	453	95.0	459	96.2	455	95.4	455	95.4	450	94.3		
Monmouthshire LA	184	179	97.3	179	97.3	179	97.3	179	97.3	179	97.3	179	97.3	177	96.2	178	96.7	177	96.2	177	96.2	177	96.2		
Newport LA	501	472	94.2	472	94.2	472	94.2	472	94.2	472	94.2	472	94.2	464	92.6	469	93.6	465	92.8	465	92.8	462	92.2		
Torfaen LA	239	230	96.2	230	96.2	230	96.2	230	96.2	230	96.2	230	96.2	229	95.8	229	95.8	230	96.2	230	96.2	227	95.0		
Health Board Total	1597	1535	96.1	1507	94.4	1526	95.6	1510	94.6	1510	94.6	1499	93.9												
Betsi Cadwaladr University HB																									
Anglesey LA	158	153	96.8	153	96.8	153	96.8	153	96.8	153	96.8	153	96.8	152	96.2	153	96.8	154	97.5	154	97.5	154	97.5		
Conwy LA	277	261	94.2	261	94.2	261	94.2	261	94.2	261	94.2	262	94.6	250	90.3	259	93.5	250	90.3	247	89.2	249	89.9		
Denbighshire LA	267	260	97.4	260	97.4	260	97.4	260	97.4	260	97.4	260	97.4	254	95.1	259	97.0	253	94.8	252	94.4	253	94.8		
Flintshire LA	388	377	97.2	377	97.2	377	97.2	376	96.9	376	96.9	374	96.4	369	95.1	376	96.9	369	95.1	367	94.6	369	95.1		
Gwynedd LA	240	237	98.8	237	98.8	237	98.8	237	98.8	237	98.8	236	98.3	231	96.3	235	97.9	234	97.5	233	97.1	234	97.5		
Wrexham LA	359	350	97.5	350	97.5	350	97.5	350	97.5	350	97.5	347	96.7	343	95.5	347	96.7	344	95.8	343	95.5	345	96.1		
Health Board Total	1689	1638	97.0	1638	97.0	1638	97.0	1637	96.9	1637	96.9	1632	96.6	1599	94.7	1629	96.4	1604	95.0	1596	94.5	1604	95.0		
Cardiff and Vale University HB																									
Cardiff LA	957	917	95.8	917	95.8	917	95.8	917	95.8	917	95.8	880	92.0	904	94.5	878	91.7	868	90.7	873	91.2				
Vale of Glamorgan LA	332	325	97.9	325	97.9	325	97.9	325	97.9	325	97.9	325	97.9	315	94.9	318	95.8	314	94.6	313	94.3	313	94.3		
Health Board Total	1289	1242	96.4	1195	92.7	1222	94.8	1192	92.5	1181	91.6	1186	92.0												
Cwm Taf Morgannwg University HB																									
Bridgend LA	328	323	98.5	323	98.5	323	98.5	323	98.5	323	98.5	323	98.5	319	97.3	321	97.9	319	97.3	317	96.6	314	95.7		
Merthyr Tydfil LA	155	153	98.7	153	98.7	153	98.7	153	98.7	153	98.7	153	98.7	152	98.1	151	97.4	152	98.1	152	98.1	151	97.4		
Rhondda Cynon Taf LA	616	610	99.0	610	99.0	610	99.0	610	99.0	610	99.0	610	99.0	595	96.6	605	98.2	597	96.9	597	96.9	593	96.3		
Health Board Total	1099	1086	98.8	1066	97.0	1077	98.0	1068	97.2	1066	97.0	1058	96.3												
Hywel Dda University HB																									
Carmarthenshire LA	450	433	96.2	433	96.2	433	96.2	433	96.2	433	96.2	425	94.4	425	94.4	427	94.9	423	94.0	426	94.7				
Ceredigion LA	119	109	91.6	109	91.6	109	91.6	109	91.6	109	91.6	108	90.8	108	90.8	107	89.9	107	89.9	106	89.1				
Pembrokeshire LA	297	286	96.3	286	96.3	286	96.3	286	96.3	286	96.3	285	96.0	277	93.3	278	93.6	278	93.6	275	92.6	275	92.6		
Health Board Total	866	828	95.6	828	95.6	828	95.6	828	95.6	827	95.5	810	93.5	811	93.6	812	93.8	805	93.0	807	93.2				
Powys Teaching HB																									
Health Board Total	276	271	98.2	270	97.8	266	96.4	270	97.8	266	96.4	265	96.0	267	96.7										
Swansea Bay University HB																									
Neath Port Talbot LA	317	311	98.1	311	98.1	311	98.1	311	98.1	311	98.1	299	94.3	306	96.5	303	95.6	302	95.3	302	95.3				
Swansea LA	613	589	96.1	589	96.1	589	96.1	588	95.9	589	96.1	575	93.8	577	94.1	570	93.0	570	93.0	573	93.5				
Health Board Total	930	900	96.8	900	96.8	900	96.8	899	96.7	900	96.8	874	94.0	883	94.9	873	93.9	872	93.8	875	94.1				
Unknown	15	14	93.3	14	93.3	14	93.3	14	93.3	14	93.3	14	93.3	13	86.7	14	93.3	13	86.7	13	86.7	13	86.7		
Wales Total	7761	7514	96.8	7514	96.8	7514	96.8	7512	96.8	7513	96.8	7506	96.7	7330	94.4	7432	95.8	7338	94.5	7308	94.2	7309	94.2		

¹ Full primary two dose course of pneumococcal conjugate vaccine.

² Final (booster) dose of pneumococcal conjugate vaccine.

³ Uptake of 3 doses of meningococcal serogroup B (MenB) vaccine, scheduled at two, four and 12-13 months of age.

Table 5. Vaccine uptake in children reaching their 4th birthday between 01/07/21 and 30/09/21 and resident on 30/09/21. The proportion of children who have received all of these vaccines by their 4th birthday is also presented.

Area	Resident children	4 in 1 Preschool Booster ¹		HibMenC		MMR dose 2		Up to date in schedule ²	
		(n)	(n)	(%)	(n)	(%)	(n)	(%)	(n)
Aneurin Bevan University HB									
Blaenau Gwent LA	209	193	92.3	202	96.7	193	92.3	193	92.3
Caerphilly LA	522	479	91.8	506	96.9	479	91.8	474	90.8
Monmouthshire LA	229	204	89.1	218	95.2	204	89.1	199	86.9
Newport LA	538	463	86.1	502	93.3	461	85.7	454	84.4
Torfaen LA	250	210	84.0	234	93.6	209	83.6	205	82.0
Health Board Total	1748	1549	88.6	1662	95.1	1546	88.4	1525	87.2
Betsi Cadwaladr University HB									
Anglesey LA	178	169	94.9	174	97.8	168	94.4	168	94.4
Conwy LA	262	213	81.3	250	95.4	218	83.2	213	81.3
Denbighshire LA	260	225	86.5	247	95.0	224	86.2	222	85.4
Flintshire LA	406	365	89.9	383	94.3	364	89.7	363	89.4
Gwynedd LA	310	276	89.0	298	96.1	274	88.4	273	88.1
Wrexham LA	391	355	90.8	375	95.9	355	90.8	351	89.8
Health Board Total	1807	1603	88.7	1727	95.6	1603	88.7	1590	88.0
Cardiff and Vale University HB									
Cardiff LA	1058	901	85.2	999	94.4	903	85.3	884	83.6
Vale of Glamorgan LA	378	340	89.9	358	94.7	341	90.2	335	88.6
Health Board Total	1436	1241	86.4	1357	94.5	1244	86.6	1219	84.9
Cwm Taf Morgannwg University HB									
Bridgend LA	409	370	90.5	388	94.9	368	90.0	365	89.2
Merthyr Tydfil LA	194	167	86.1	184	94.8	167	86.1	165	85.1
Rhondda Cynon Taf LA	692	644	93.1	676	97.7	641	92.6	639	92.3
Health Board Total	1295	1181	91.2	1248	96.4	1176	90.8	1169	90.3
Hywel Dda University HB									
Carmarthenshire LA	492	422	85.8	462	93.9	418	85.0	416	84.6
Ceredigion LA	158	146	92.4	151	95.6	147	93.0	143	90.5
Pembrokeshire LA	324	288	88.9	310	95.7	286	88.3	285	88.0
Health Board Total	974	856	87.9	923	94.8	851	87.4	844	86.7
Powys Teaching HB									
Health Board Total	329	300	91.2	315	95.7	298	90.6	295	89.7
Swansea Bay University HB									
Neath Port Talbot LA	391	342	87.5	372	95.1	342	87.5	338	86.4
Swansea LA	650	582	89.5	614	94.5	580	89.2	574	88.3
Health Board Total	1041	924	88.8	986	94.7	922	88.6	912	87.6
Unknown	12	8	66.7	11	91.7	8	66.7	8	66.7
Wales Total	8642	7662	88.7	8229	95.2	7648	88.5	7562	87.5

¹ Uptake of acellular pertussis used as proxy

² Completed “4 in 1” preschool booster, the Hib/ MenC booster and second MMR dose by four years of age.

Table 6. Vaccine uptake in children reaching their 5th birthday between 01/07/21 and 30/09/21 and resident on 30/09/21. The proportion of children who have received all of these vaccines by their 5th birthday is also presented.

Area	Resident children	4 in 1 Preschool Booster ¹		HibMenCb		MMR dose 2		Up to date in schedule ²	
		(n)	(%)	(n)	(%)	(n)	(%)	(n)	(%)
Aneurin Bevan University HB									
Blaenau Gwent LA	178	166	93.3	172	96.6	167	93.8	164	92.1
Caerphilly LA	535	493	92.1	515	96.3	494	92.3	486	90.8
Monmouthshire LA	214	201	93.9	202	94.4	201	93.9	199	93.0
Newport LA	509	446	87.6	460	90.4	443	87.0	423	83.1
Torfaen LA	278	262	94.2	260	93.5	258	92.8	253	91.0
Health Board Total	1714	1568	91.5	1609	93.9	1563	91.2	1525	89.0
Betsi Cadwaladr University HB									
Anglesey LA	189	183	96.8	187	98.9	182	96.3	181	95.8
Conwy LA	297	280	94.3	288	97.0	275	92.6	274	92.3
Denbighshire LA	281	258	91.8	266	94.7	257	91.5	257	91.5
Flintshire LA	425	403	94.8	412	96.9	402	94.6	402	94.6
Gwynedd LA	283	258	91.2	273	96.5	259	91.5	254	89.8
Wrexham LA	379	357	94.2	366	96.6	357	94.2	355	93.7
Health Board Total	1854	1739	93.8	1792	96.7	1732	93.4	1723	92.9
Cardiff and Vale University HB									
Cardiff LA	1074	956	89.0	994	92.6	943	87.8	920	85.7
Vale of Glamorgan LA	382	348	91.1	363	95.0	347	90.8	342	89.5
Health Board Total	1456	1304	89.6	1357	93.2	1290	88.6	1262	86.7
Cwm Taf Morgannwg University HB									
Bridgend LA	422	393	93.1	407	96.4	393	93.1	390	92.4
Merthyr Tydfil LA	197	185	93.9	187	94.9	185	93.9	182	92.4
Rhondda Cynon Taf LA	720	683	94.9	701	97.4	684	95.0	674	93.6
Health Board Total	1339	1261	94.2	1295	96.7	1262	94.2	1246	93.1
Hywel Dda University HB									
Carmarthenshire LA	510	471	92.4	486	95.3	464	91.0	463	90.8
Ceredigion LA	165	149	90.3	155	93.9	149	90.3	146	88.5
Pembrokeshire LA	325	285	87.7	303	93.2	283	87.1	280	86.2
Health Board Total	1000	905	90.5	944	94.4	896	89.6	889	88.9
Powys Teaching HB									
Health Board Total	331	306	92.4	311	94.0	303	91.5	303	91.5
Swansea Bay University HB									
Neath Port Talbot LA	391	349	89.3	372	95.1	348	89.0	347	88.7
Swansea LA	649	597	92.0	611	94.1	586	90.3	575	88.6
Health Board Total	1040	946	91.0	983	94.5	934	89.8	922	88.7
Unknown	3	2	66.7	2	66.7	2	66.7	2	66.7
Wales Total	8737	8031	91.9	8293	94.9	7982	91.4	7872	90.1

¹ Uptake of acellular pertussis used as proxy

² Completed “4 in 1” preschool booster, the Hib/ MenC booster and second MMR dose by five years of age.

Table 7. Vaccine uptake in children reaching their 5th birthday between 01/07/21 and 30/09/21 and resident on 30/09/21.

Area	Resident children	D3	T3	P3	Po3	Hib3	MenC ¹	PCVf ²	HibMenC	MMR1	MMR2	D4	T4	aP	Po4	
Aneurin Bevan University HB		(n)	(n)	(%)	(n)	(%)	(n)	(%)	(n)	(%)	(n)	(%)	(n)	(%)	(n)	(%)
Blaenau Gwent LA	178	174	97.8	174	97.8	174	97.8	174	97.8	0	0.0	170	95.5	172	96.6	
Caerphilly LA	535	526	98.3	526	98.3	526	98.3	527	98.5	2	0.4	511	95.5	515	96.3	
Monmouthshire LA	214	204	95.3	204	95.3	204	95.3	204	95.3	2	0.9	203	94.9	202	94.4	
Newport LA	509	482	94.7	482	94.7	482	94.7	484	95.1	3	0.6	463	91	460	90.4	
Torfaen LA	278	272	97.8	272	97.8	272	97.8	272	97.8	2	0.7	265	95.3	260	93.5	
Health Board Total	1714	1658	96.7	1658	96.7	1658	96.7	1660	96.8	9	0.5	1612	94	1609	93.9	
Betsi Cadwaladr University HB																
Anglesey LA	189	188	99.5	188	99.5	188	99.5	188	99.5	0	0.0	187	98.9	187	98.9	
Conwy LA	297	293	98.7	293	98.7	293	98.7	293	98.7	0	0.0	283	95.3	288	97.0	
Denbighshire LA	281	270	96.1	270	96.1	270	96.1	270	96.1	1	0.4	266	94.7	266	94.7	
Flintshire LA	425	416	97.9	416	97.9	416	97.9	416	97.9	0	0.0	411	96.7	412	96.9	
Gwynedd LA	283	273	96.5	273	96.5	273	96.5	273	96.5	0	0.0	262	92.6	273	96.5	
Wrexham LA	379	365	96.3	365	96.3	365	96.3	365	96.3	1	0.3	360	95	366	96.6	
Health Board Total	1854	1805	97.4	1805	97.4	1805	97.4	1803	97.2	2	0.1	1769	95.4	1792	96.7	
Cardiff and Vale University HB																
Cardiff LA	1074	1029	95.8	1029	95.8	1029	95.8	1029	95.8	16	1.5	987	91.9	994	92.6	
Vale of Glamorgan LA	382	371	97.1	371	97.1	371	97.1	371	97.1	4	1.0	356	93.2	363	95.0	
Health Board Total	1456	1400	96.2	1400	96.2	1400	96.2	1400	96.2	20	1.4	1343	92.2	1357	93.2	
Cwm Taf Morgannwg University HB																
Bridgend LA	422	413	97.9	413	97.9	413	97.9	413	97.9	3	0.7	407	96.4	407	96.4	
Merthyr Tydfil LA	197	193	98.0	193	98.0	193	98.0	193	98.0	1	0.5	189	95.9	187	94.9	
Rhondda Cynon Taf LA	720	715	99.3	715	99.3	715	99.3	713	99.0	2	0.3	703	97.6	701	97.4	
Health Board Total	1339	1321	98.7	1321	98.7	1321	98.7	1319	98.5	6	0.4	1299	97	1295	96.7	
Hywel Dda University HB																
Carmarthenshire LA	510	491	96.3	491	96.3	491	96.3	491	96.3	7	1.4	474	92.9	486	95.3	
Ceredigion LA	165	156	94.5	156	94.5	156	94.5	156	94.5	1	0.6	152	92.1	155	93.9	
Pembrokeshire LA	325	314	96.6	314	96.6	314	96.6	314	96.6	0	0.0	301	92.6	303	93.2	
Health Board Total	1000	961	96.1	961	96.1	961	96.1	960	96.0	8	0.8	927	92.7	944	94.4	
Powys Teaching HB																
Health Board Total	331	317	95.8	317	95.8	317	95.8	317	95.8	1	0.3	306	92.4	311	94.0	
Swansea Bay University HB																
Neath Port Talbot LA	391	376	96.2	376	96.2	376	96.2	376	96.2	2	0.5	370	94.6	372	95.1	
Swansea LA	649	629	96.9	629	96.9	629	96.9	629	96.9	9	1.4	597	92	611	94.1	
Health Board Total	1040	1005	96.6	1005	96.6	1005	96.6	1004	96.5	11	1.1	967	93	983	94.5	
Unknown	3	2	66.7	2	66.7	2	66.7	2	66.7	0	0.0	2	66.7	2	66.7	
Wales Total	8737	8469	96.9	8469	96.9	8469	96.9	8471	97.0	57	0.7	8225	94.1	8293	94.9	

¹ One dose of MenC vaccine scheduled at 12 weeks of age.

² Final (booster) dose of pneumococcal conjugate vaccine

Table 8a. Uptake of HPV vaccine in children reaching 13 years of age between 01/09/20 and 31/08/21 (School Year 8) and resident on 30/09/21, with breakdown of coverage for sex.

Area	Resident children			Resident girls			Resident boys		
	(n)	(n)	(%)	(n)	(n)	(%)	(n)	(n)	(%)
Aneurin Bevan University HB									
Blaenau Gwent LA	835	614	73.5	401	315	78.6	434	299	68.9
Caerphilly LA	2285	1783	78.0	1089	879	80.7	1195	903	75.6
Monmouthshire LA	1084	784	72.3	532	399	75.0	551	384	69.7
Newport LA	2230	1472	66.0	1074	768	71.5	1155	704	61.0
Torfaen LA	1153	858	74.4	557	428	76.8	596	430	72.1
Health Board Total	7587	5511	72.6	3653	2789	76.3	3931	2720	69.2
Betsi Cadwaladr University HB									
Anglesey LA	804	624	77.6	409	346	84.6	395	278	70.4
Conwy LA	1249	896	71.7	623	472	75.8	625	424	67.8
Denbighshire LA	1169	613	52.4	560	316	56.4	608	297	48.8
Flintshire LA	1828	1304	71.3	894	654	73.2	934	650	69.6
Gwynedd LA	1306	850	65.1	626	428	68.4	680	422	62.1
Wrexham LA	1680	1252	74.5	826	667	80.8	853	585	68.6
Health Board Total	8036	5539	68.9	3938	2883	73.2	4095	2656	64.9
Cardiff and Vale University HB									
Cardiff LA	4524	3178	70.2	2240	1634	72.9	2284	1544	67.6
Vale of Glamorgan LA	1694	1169	69.0	820	593	72.3	874	576	65.9
Health Board Total	6218	4347	69.9	3060	2227	72.8	3158	2120	67.1
Cwm Taf Morgannwg University HB									
Bridgend LA	1723	1468	85.2	831	735	88.4	892	733	82.2
Merthyr Tydfil LA	770	650	84.4	376	331	88.0	394	319	81.0
Rhondda Cynon Taf LA	2927	2494	85.2	1442	1251	86.8	1483	1241	83.7
Health Board Total	5420	4612	85.1	2649	2317	87.5	2769	2293	82.8
Hywel Dda University HB									
Carmarthenshire LA	2264	381	16.8	1117	190	17.0	1147	191	16.7
Ceredigion LA	649	533	82.1	321	282	87.9	328	251	76.5
Pembrokeshire LA	1400	1026	73.3	692	541	78.2	708	485	68.5
Health Board Total	4313	1940	45.0	2130	1013	47.6	2183	927	42.5
Powys Teaching HB									
Health Board Total	1471	1149	78.1	692	559	80.8	779	590	75.7
Swansea Bay University HB									
Neath Port Talbot LA	1649	1453	88.1	771	689	89.4	878	764	87.0
Swansea LA	2862	2458	85.9	1420	1249	88.0	1442	1209	83.8
Health Board Total	4511	3911	86.7	2191	1938	88.5	2320	1973	85.0
Unknown	71	46	64.8	38	23	60.5	33	23	69.7
Wales Total	37627	27055	71.9	18351	13749	74.9	19268	13302	69.0

¹ Timings of immunisation sessions vary between HBs and uptake will increase over the next two quarters as more immunisation sessions take place.

Table 8b. Uptake of HPV vaccine in children reaching 14 years of age between 01/09/20 and 31/08/21 (School Year 9) and resident on 30/09/21, with breakdown of coverage for sex.

Area	Resident children		HPV 1 dose		HPV 2 dose		Resident girls (n)		HPV 1 dose		HPV 2 dose		Resident boys (n)		HPV 1 dose		HPV 2 dose	
	(n)	(n)	(%)	(n)	(%)	(n)	(%)	(n)	(%)	(n)	(%)	(n)	(%)	(n)	(%)	(n)	(%)	
Aneurin Bevan University HB																		
Blaenau Gwent LA	724	374	51.7	116	16.0		389	212	54.5	62	15.9		335	162	48.4	54	16.1	
Caerphilly LA	2096	1539	73.4	164	7.8		1050	833	79.3	80	7.6		1046	706	67.5	84	8.0	
Monmouthshire LA	1074	816	76.0	26	2.4		532	409	76.9	14	2.6		542	407	75.1	12	2.2	
Newport LA	2054	1350	65.7	158	7.7		995	709	71.3	83	8.3		1058	641	60.6	75	7.1	
Torfaen LA	1130	836	74.0	28	2.5		543	414	76.2	11	2.0		587	422	71.9	17	2.9	
Health Board Total	7078	4915	69.4	492	7.0		3509	2577	73.4	250	7.1		3568	2338	65.5	242	6.8	
Betsi Cadwaladr University HB																		
Anglesey LA	780	615	78.8	480	61.5		369	308	83.5	249	67.5		411	307	74.7	231	56.2	
Conwy LA	1212	864	71.3	558	46.0		596	454	76.2	328	55.0		616	410	66.6	230	37.3	
Denbighshire LA	1119	847	75.7	424	37.9		540	418	77.4	242	44.8		578	429	74.2	182	31.5	
Flintshire LA	1817	1515	83.4	1301	71.6		895	767	85.7	660	73.7		922	748	81.1	641	69.5	
Gwynedd LA	1289	1124	87.2	972	75.4		632	567	89.7	500	79.1		657	557	84.8	472	71.8	
Wrexham LA	1569	1281	81.6	1055	67.2		741	640	86.4	544	73.4		828	641	77.4	511	61.7	
Health Board Total	7786	6246	80.2	4790	61.5		3773	3154	83.6	2523	66.9		4012	3092	77.1	2267	56.5	
Cardiff and Vale University HB																		
Cardiff LA	4285	3409	79.6	23	0.5		2109	1733	82.2	17	0.8		2175	1675	77.0	5	0.2	
Vale of Glamorgan LA	1625	1346	82.8	13	0.8		778	669	86.0	5	0.6		847	677	79.9	8	0.9	
Health Board Total	5910	4755	80.5	36	0.6		2887	2402	83.2	22	0.8		3022	2352	77.8	13	0.4	
Cwm Taf Morgannwg University HB																		
Bridgend LA	1758	1544	87.8	1081	61.5		852	764	89.7	551	64.7		906	780	86.1	530	58.5	
Merthyr Tydfil LA	715	578	80.8	324	45.3		328	271	82.6	147	44.8		387	307	79.3	177	45.7	
Rhondda Cynon Taf LA	2847	2479	87.1	1671	58.7		1339	1185	88.5	832	62.1		1507	1293	85.8	839	55.7	
Health Board Total	5320	4601	86.5	3076	57.8		2519	2220	88.1	1530	60.7		2800	2380	85.0	1546	55.2	
Hywel Dda University HB																		
Carmarthenshire LA	2150	1865	86.7	343	16.0		1057	952	90.1	182	17.2		1092	912	83.5	161	14.7	
Ceredigion LA	683	596	87.3	559	81.8		340	305	89.7	285	83.8		343	291	84.8	274	79.9	
Pembrokeshire LA	1344	1044	77.7	651	48.4		662	553	83.5	349	52.7		682	491	72.0	302	44.3	
Health Board Total	4177	3505	83.9	1553	37.2		2059	1810	87.9	816	39.6		2117	1694	80.0	737	34.8	
Powys Teaching HB																		
Health Board Total	1354	1141	84.3	53	3.9		658	576	87.5	26	4.0		695	565	81.3	27	3.9	
Swansea Bay University HB																		
Neath Port Talbot LA	1637	1524	93.1	1333	81.4		801	745	93.0	666	83.1		836	779	93.2	667	79.8	
Swansea LA	2712	2512	92.6	2235	82.4		1323	1252	94.6	1138	86.0		1389	1260	90.7	1097	79.0	
Health Board Total	4349	4036	92.8	3568	82.0		2124	1997	94.0	1804	84.9		2225	2039	91.6	1764	79.3	
Unknown	48	36	75.0	25	52.1		21	17	81.0	12	57.1		27	19	70.4	13	48.1	
Wales Total	36022	29235	81.2	13593	37.7		17550	14753	84.1	6983	39.8		18466	14479	78.4	6609	35.8	

¹ Timings of immunisation sessions vary between HBs and uptake will increase over the next two quarters as more immunisation sessions take place.

Table 9. Uptake of HPV vaccine in girls reaching 13, 14 and 15 years of age between 01/09/20 and 31/08/21 and resident on 30/09/21.

Area	13 years (2020-21 School Year 8) ¹			14 years (2020-21 School Year 9) ¹				15 years (2020-21 School Year 10)					
	Resident girls (n)	(n)	(%)	Resident girls (n)	(n)	(%)	HPV 2 dose (n)	(%)	Resident girls (n)	(n)	(%)	HPV 2 dose (n)	(%)
Aneurin Bevan University HB													
Blaenau Gwent LA	401	315	78.6	389	212	54.5	62	15.9	413	360	87.2	313	75.8
Caerphilly LA	1089	879	80.7	1050	833	79.3	80	7.6	1026	924	90.1	740	72.1
Monmouthshire LA	532	399	75.0	532	409	76.9	14	2.6	522	429	82.2	313	60.0
Newport LA	1074	768	71.5	995	709	71.3	83	8.3	961	797	82.9	419	43.6
Torfaen LA	557	428	76.8	543	414	76.2	11	2.0	552	487	88.2	326	59.1
Health Board Total	3653	2789	76.3	3509	2577	73.4	250	7.1	3474	2997	86.3	2111	60.8
Betsi Cadwaladr University HB													
Anglesey LA	409	346	84.6	369	308	83.5	249	67.5	345	303	87.8	271	78.6
Conwy LA	623	472	75.8	596	454	76.2	328	55.0	588	523	88.9	405	68.9
Denbighshire LA	560	316	56.4	540	418	77.4	242	44.8	548	470	85.8	377	68.8
Flintshire LA	894	654	73.2	895	767	85.7	660	73.7	826	715	86.6	622	75.3
Gwynedd LA	626	428	68.4	632	567	89.7	500	79.1	672	618	92.0	600	89.3
Wrexham LA	826	667	80.8	741	640	86.4	544	73.4	766	665	86.8	610	79.6
Health Board Total	3938	2883	73.2	3773	3154	83.6	2523	66.9	3745	3294	88.0	2885	77.0
Cardiff and Vale University HB													
Cardiff LA	2240	1634	72.9	2109	1733	82.2	17	0.8	1991	1721	86.4	1408	70.7
Vale of Glamorgan LA	820	593	72.3	778	669	86.0	5	0.6	744	695	93.4	587	78.9
Health Board Total	3060	2227	72.8	2887	2402	83.2	22	0.8	2735	2416	88.3	1995	72.9
Cwm Taf Morgannwg University HB													
Bridgend LA	831	735	88.4	852	764	89.7	551	64.7	779	722	92.7	600	77.0
Merthyr Tydfil LA	376	331	88.0	328	271	82.6	147	44.8	325	292	89.8	240	73.8
Rhondda Cynon Taf LA	1442	1251	86.8	1339	1185	88.5	832	62.1	1415	1318	93.1	980	69.3
Health Board Total	2649	2317	87.5	2519	2220	88.1	1530	60.7	2519	2332	92.6	1820	72.3
Hywel Dda University HB													
Carmarthenshire LA	1117	190	17.0	1057	952	90.1	182	17.2	1010	906	89.7	847	83.9
Ceredigion LA	321	282	87.9	340	305	89.7	285	83.8	299	266	89.0	256	85.6
Pembrokeshire LA	692	541	78.2	662	553	83.5	349	52.7	614	547	89.1	451	73.5
Health Board Total	2130	1013	47.6	2059	1810	87.9	816	39.6	1923	1719	89.4	1554	80.8
Powys Teaching HB													
Health Board Total	692	559	80.8	658	576	87.5	26	4.0	676	593	87.7	533	78.8
Swansea Bay University HB													
Neath Port Talbot LA	771	689	89.4	801	745	93.0	666	83.1	807	778	96.4	742	91.9
Swansea LA	1420	1249	88.0	1323	1252	94.6	1138	86.0	1227	1151	93.8	1125	91.7
Health Board Total	2191	1938	88.5	2124	1997	94.0	1804	84.9	2034	1929	94.8	1867	91.8
Unknown	38	23	60.5	21	17	81.0	12	57.1	34	31	91.2	26	76.5
Wales Total	18351	13749	74.9	17550	14753	84.1	6983	39.8	17140	15311	89.3	12791	74.6

¹ Timings of immunisation sessions vary between HBs and uptake will increase over the next quarter as more immunisation sessions take place.

Table 10. Uptake of MenACWY vaccine in teenagers reaching 14, 15, 16 and 17 years of age between 01/09/20 and 31/08/21 and resident on 30/09/21.

Area	14 years (2020-21 School Year 9) ¹			15 years (2020-21 School Year 10)			16 years (2020-21 School Year 11) ¹			17 years (2020-21 School Year 12)		
	Resident children (n)	(n)	(%)	Resident children (n)	(n)	(%)	Resident children (n)	(n)	(%)	Resident children (n)	(n)	(%)
Aneurin Bevan University HB												
Blaenau Gwent LA	724	500	69.1	776	653	84.1	701	615	87.7	773	686	88.7
Caerphilly LA	2096	1584	75.6	2132	1772	83.1	2064	1798	87.1	2151	1810	84.1
Monmouthshire LA	1074	802	74.7	1089	846	77.7	1092	876	80.2	1147	905	78.9
Newport LA	2054	1385	67.4	1920	1507	78.5	1918	1582	82.5	1908	1506	78.9
Torfaen LA	1130	829	73.4	1141	866	75.9	1125	972	86.4	1014	906	89.3
Health Board Total	7078	5100	72.1	7058	5644	80.0	6900	5843	84.7	6993	5813	83.1
Betsi Cadwaladr University HB												
Anglesey LA	780	573	73.5	724	597	82.5	715	609	85.2	743	653	87.9
Conwy LA	1212	897	74.0	1227	1043	85.0	1176	1066	90.6	1175	1058	90.0
Denbighshire LA	1119	827	73.9	1102	856	77.7	1112	932	83.8	1095	964	88.0
Flintshire LA	1817	1512	83.2	1698	1198	70.6	1657	1422	85.8	1650	1459	88.4
Gwynedd LA	1289	1047	81.2	1345	1149	85.4	1266	1139	90.0	1167	1053	90.2
Wrexham LA	1569	1220	77.8	1560	1147	73.5	1502	1277	85.0	1438	1283	89.2
Health Board Total	7786	6076	78.0	7656	5990	78.2	7428	6445	86.8	7268	6470	89.0
Cardiff and Vale University HB												
Cardiff LA	4285	3112	72.6	4147	3187	76.9	4028	3114	77.3	3821	2933	76.8
Vale of Glamorgan LA	1625	1269	78.1	1504	1274	84.7	1524	1257	82.5	1464	1209	82.6
Health Board Total	5910	4381	74.1	5651	4461	78.9	5552	4371	78.7	5285	4142	78.4
Cwm Taf Morgannwg University HB												
Bridgend LA	1758	1517	86.3	1618	1474	91.1	1687	1552	92.0	1602	1358	84.8
Merthyr Tydfil LA	715	579	81.0	713	641	89.9	715	644	90.1	672	595	88.5
Rhondda Cynon Taf LA	2847	2400	84.3	2880	2630	91.3	2891	2650	91.7	2678	2471	92.3
Health Board Total	5320	4496	84.5	5211	4745	91.1	5293	4846	91.6	4952	4424	89.3
Hywel Dda University HB												
Carmarthenshire LA	2150	1644	76.5	2114	1648	78.0	2027	1793	88.5	2006	1772	88.3
Ceredigion LA	683	597	87.4	607	534	88.0	656	580	88.4	673	590	87.7
Pembrokeshire LA	1344	1081	80.4	1371	826	60.2	1259	1060	84.2	1261	1059	84.0
Health Board Total	4177	3322	79.5	4092	3008	73.5	3942	3433	87.1	3940	3421	86.8
Powys Teaching HB												
Health Board Total	1354	1174	86.7	1357	1148	84.6	1409	1238	87.9	1343	1200	89.4
Swansea Bay University HB												
Neath Port Talbot LA	1637	1431	87.4	1631	1452	89.0	1655	1532	92.6	1522	1380	90.7
Swansea LA	2712	2430	89.6	2613	2372	90.8	2568	2349	91.5	2575	2347	91.1
Health Board Total	4349	3861	88.8	4244	3824	90.1	4223	3881	91.9	4097	3727	91.0
Unknown	48	37	77.1	77	63	81.8	92	74	80.4	99	82	82.8
Wales Total	36022	28447	79.0	35346	28883	81.7	34839	30131	86.5	33977	29279	86.2

¹ Timings of immunisation sessions vary between HBs and uptake will increase over the next quarter as more immunisation sessions take place.

Table 11. MMR, Td/IPV and MenACWY vaccine uptake in children in 2020-21 school year 9 reaching their 14th birthday between 01/09/20 and 31/08/21 and resident on 30/09/21, with breakdown of MMR1 and MMR2 coverage by sex.

Area	Resident children		Teenage 3 in 1 booster ^{1,2}						Resident girls		MMR1 (girls)		MMR2 (girls)		Resident boys		MMR1 (boys)		MMR2 (boys)		
	(n)	(n)	(%)	(n)	(%)	(n)	(%)	(n)	(%)	(n)	(%)	(n)	(%)	(n)	(%)	(n)	(%)	(n)	(%)	(n)	(%)
Aneurin Bevan University HB																					
Blaenau Gwent LA	724	701	96.8	681	94.1	485	67.0	500	69.1	389	374	96.1	363	93.3	335	327	97.6	318	94.9		
Caerphilly LA	2096	2045	97.6	1990	94.9	1582	75.5	1584	75.6	1050	1031	98.2	1005	95.7	1046	1014	96.9	985	94.2		
Monmouthshire LA	1074	1021	95.1	988	92.0	804	74.9	802	74.7	532	502	94.4	489	91.9	542	519	95.8	499	92.1		
Newport LA	2054	1942	94.5	1861	90.6	1392	67.8	1385	67.4	995	944	94.9	909	91.4	1058	998	94.3	952	90.0		
Torfaen LA	1130	1110	98.2	1078	95.4	825	73.0	829	73.4	543	536	98.7	521	95.9	587	574	97.8	557	94.9		
Health Board Total	7078	6819	96.3	6598	93.2	5088	71.9	5100	72.1	3509	3387	96.5	3287	93.7	3568	3432	96.2	3311	92.8		
Betsi Cadwaladr University HB																					
Anglesey LA	780	753	96.5	731	93.7	588	75.4	573	73.5	369	356	96.5	346	93.8	411	397	96.6	385	93.7		
Conwy LA	1212	1155	95.3	1128	93.1	859	70.9	897	74.0	596	571	95.8	565	94.8	616	584	94.8	563	91.4		
Denbighshire LA	1119	1068	95.4	1047	93.6	738	66.0	827	73.9	540	518	95.9	506	93.7	578	550	95.2	541	93.6		
Flintshire LA	1817	1725	94.9	1679	92.4	1505	82.8	1512	83.2	895	845	94.4	826	92.3	922	880	95.4	853	92.5		
Gwynedd LA	1289	1252	97.1	1212	94.0	903	70.1	1047	81.2	632	613	97.0	597	94.5	657	639	97.3	615	93.6		
Wrexham LA	1569	1518	96.7	1479	94.3	1224	78.0	1220	77.8	741	723	97.6	702	94.7	828	795	96.0	777	93.8		
Health Board Total	7786	7471	96.0	7276	93.4	5817	74.7	6076	78.0	3773	3626	96.1	3542	93.9	4012	3845	95.8	3734	93.1		
Cardiff and Vale University HB																					
Cardiff LA	4285	4046	94.4	3853	89.9	3112	72.6	3112	72.6	2109	1999	94.8	1896	89.9	2175	2046	94.1	1956	89.9		
Vale of Glamorgan LA	1625	1565	96.3	1502	92.4	1270	78.2	1269	78.1	778	748	96.1	721	92.7	847	817	96.5	781	92.2		
Health Board Total	5910	5611	94.9	5355	90.6	4382	74.1	4381	74.1	2887	2747	95.2	2617	90.6	3022	2863	94.7	2737	90.6		
Cwm Taf Morgannwg University HB																					
Bridgend LA	1758	1696	96.5	1617	92.0	1507	85.7	1517	86.3	852	827	97.1	791	92.8	906	869	95.9	826	91.2		
Merthyr Tydfil LA	715	688	96.2	666	93.1	583	81.5	579	81.0	328	316	96.3	303	92.4	387	372	96.1	363	93.8		
Rhondda Cynon Taf LA	2847	2775	97.5	2711	95.2	2404	84.4	2400	84.3	1339	1305	97.5	1274	95.1	1507	1469	97.5	1436	95.3		
Health Board Total	5320	5159	97.0	4994	93.9	4494	84.5	4496	84.5	2519	2448	97.2	2368	94.0	2800	2710	96.8	2625	93.8		
Hywel Dda University HB																					
Carmarthenshire LA	2150	2025	94.2	1949	90.7	1650	76.7	1644	76.5	1057	995	94.1	958	90.6	1092	1029	94.2	990	90.7		
Ceredigion LA	683	648	94.9	627	91.8	593	86.8	597	87.4	340	322	94.7	311	91.5	343	326	95.0	316	92.1		
Pembrokeshire LA	1344	1252	93.2	1187	88.3	1089	81.0	1081	80.4	662	626	94.6	597	90.2	682	626	91.8	590	86.5		
Health Board Total	4177	3925	94.0	3763	90.1	3332	79.8	3322	79.5	2059	1943	94.4	1866	90.6	2117	1981	93.6	1896	89.6		
Powys Teaching HB																					
Health Board Total	1354	1278	94.4	1227	90.6	1161	85.7	1174	86.7	658	621	94.4	597	90.7	695	657	94.5	630	90.6		
Swansea Bay University HB																					
Neath Port Talbot LA	1637	1597	97.6	1545	94.4	1429	87.3	1431	87.4	801	784	97.9	760	94.9	836	813	97.2	785	93.9		
Swansea LA	2712	2599	95.8	2510	92.6	2423	89.3	2430	89.6	1323	1276	96.4	1229	92.9	1389	1323	95.2	1281	92.2		
Health Board Total	4349	4196	96.5	4055	93.2	3852	88.6	3861	88.8	2124	2060	97.0	1989	93.6	2225	2136	96.0	2066	92.9		
Unknown	48	45	93.8	45	93.8	37	77.1	37	77.1	21	20	95.2	20	95.2	27	25	92.6	25	92.6		
Wales Total	36022	34504	95.8	33313	92.5	28163	78.2	28447	79.0	17550	16852	96.0	16286	92.8	18466	17649	95.6	17024	92.2		

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

² Timings of immunisation sessions vary between HBs and uptake will increase over the next quarter as more immunisation sessions take place.

Table 12. MMR, Td/IPV and MenACWY vaccine uptake in children in 2020-21 school year 10 reaching their 15th birthday between 01/09/20 and 31/08/21 and resident on 30/09/21, 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)		
		MMR1		MMR2		booster ¹		MenACWY			(n)	(n)	(%)	(n)	(%)	(n)	(n)	(%)	(n)	(%)
Aneurin Bevan University HB		(n)	(n)	(%)	(n)	(%)	(n)	(%)	(n)	(n)	(n)	(n)	(n)	(n)	(n)	(n)	(n)	(n)	(n)	(%)
Blaenau Gwent LA	776	755	97.3	736	94.8	651	83.9	653	84.1	413	407	98.5	397	96.1	363	348	95.9	339	93.4	
Caerphilly LA	2132	2086	97.8	2025	95.0	1772	83.1	1772	83.1	1026	1015	98.9	985	96.0	1106	1071	96.8	1040	94.0	
Monmouthshire LA	1089	1009	92.7	977	89.7	842	77.3	846	77.7	522	492	94.3	477	91.4	567	517	91.2	500	88.2	
Newport LA	1920	1820	94.8	1737	90.5	1505	78.4	1507	78.5	961	916	95.3	879	91.5	958	904	94.4	858	89.6	
Torfaen LA	1141	1105	96.8	1056	92.6	863	75.6	866	75.9	552	533	96.6	514	93.1	589	572	97.1	542	92.0	
Health Board Total	7058	6775	96.0	6531	92.5	5633	79.8	5644	80.0	3474	3363	96.8	3252	93.6	3583	3412	95.2	3279	91.5	
Betsi Cadwaladr University HB																				
Anglesey LA	724	694	95.9	673	93.0	606	83.7	597	82.5	345	332	96.2	321	93.0	379	362	95.5	352	92.9	
Conwy LA	1227	1156	94.2	1131	92.2	1040	84.8	1043	85.0	588	543	92.3	528	89.8	638	612	95.9	602	94.4	
Denbighshire LA	1102	1059	96.1	1027	93.2	849	77.0	856	77.7	548	528	96.4	506	92.3	554	531	95.8	521	94.0	
Flintshire LA	1698	1612	94.9	1553	91.5	1193	70.3	1198	70.6	826	780	94.4	753	91.2	872	832	95.4	800	91.7	
Gwynedd LA	1345	1297	96.4	1267	94.2	1152	85.7	1149	85.4	672	653	97.2	635	94.5	673	644	95.7	632	93.9	
Wrexham LA	1560	1507	96.6	1470	94.2	1143	73.3	1147	73.5	766	744	97.1	730	95.3	794	763	96.1	740	93.2	
Health Board Total	7656	7325	95.7	7121	93.0	5983	78.1	5990	78.2	3745	3580	95.6	3473	92.7	3910	3744	95.8	3647	93.3	
Cardiff and Vale University HB																				
Cardiff LA	4147	3890	93.8	3655	88.1	3189	76.9	3187	76.9	1991	1866	93.7	1748	87.8	2156	2024	93.9	1907	88.5	
Vale of Glamorgan LA	1504	1440	95.7	1380	91.8	1274	84.7	1274	84.7	744	715	96.1	688	92.5	760	725	95.4	692	91.1	
Health Board Total	5651	5330	94.3	5035	89.1	4463	79.0	4461	78.9	2735	2581	94.4	2436	89.1	2916	2749	94.3	2599	89.1	
Cwm Taf Morgannwg University HB																				
Bridgend LA	1618	1538	95.1	1469	90.8	1469	90.8	1474	91.1	779	743	95.4	714	91.7	838	794	94.7	754	90.0	
Merthyr Tydfil LA	713	675	94.7	652	91.4	641	89.9	641	89.9	325	307	94.5	293	90.2	388	368	94.8	359	92.5	
Rhondda Cynon Taf LA	2880	2769	96.1	2683	93.2	2622	91.0	2630	91.3	1415	1364	96.4	1328	93.9	1464	1405	96.0	1355	92.6	
Health Board Total	5211	4982	95.6	4804	92.2	4732	90.8	4745	91.1	2519	2414	95.8	2335	92.7	2690	2567	95.4	2468	91.7	
Hywel Dda University HB																				
Carmarthenshire LA	2114	1975	93.4	1922	90.9	1640	77.6	1648	78.0	1010	951	94.2	923	91.4	1104	1024	92.8	999	90.5	
Ceredigion LA	607	579	95.4	562	92.6	536	88.3	534	88.0	299	284	95.0	277	92.6	308	295	95.8	285	92.5	
Pembrokeshire LA	1371	1289	94.0	1230	89.7	829	60.5	826	60.2	614	583	95.0	560	91.2	757	706	93.3	670	88.5	
Health Board Total	4092	3843	93.9	3714	90.8	3005	73.4	3008	73.5	1923	1818	94.5	1760	91.5	2169	2025	93.4	1954	90.1	
Powys Teaching HB																				
Health Board Total	1357	1256	92.6	1196	88.1	1134	83.6	1148	84.6	676	628	92.9	596	88.2	681	628	92.2	600	88.1	
Swansea Bay University HB																				
Neath Port Talbot LA	1631	1574	96.5	1523	93.4	1446	88.7	1452	89.0	807	786	97.4	760	94.2	824	788	95.6	763	92.6	
Swansea LA	2613	2493	95.4	2388	91.4	2354	90.1	2372	90.8	1227	1171	95.4	1128	91.9	1386	1322	95.4	1260	90.9	
Health Board Total	4244	4067	95.8	3911	92.2	3800	89.5	3824	90.1	2034	1957	96.2	1888	92.8	2210	2110	95.5	2023	91.5	
Unknown	77	71	92.2	69	89.6	64	83.1	63	81.8	34	32	94.1	32	94.1	43	39	90.7	37	86.0	
Wales Total	35346	33649	95.2	32381	91.6	28814	81.5	28883	81.7	17140	16373	95.5	15772	92.0	18202	17274	94.9	16607	91.2	

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

Table 13. MMR, Td/IPV and MenACWY vaccine uptake in children in 2020-21 school year 11 reaching their 16th birthday between 01/09/20 and 31/08/21 and resident on 30/09/2021, with breakdown of MMR1 and MMR2 coverage by sex

Area	Resident children		Teenage 3 in 1 booster ¹						Resident girls		MMR1 (girls)		MMR2 (girls)		Resident boys		MMR1 (boys)		MMR2 (boys)		
	(n)	(n)	(%)	(n)	(%)	(n)	(%)	(n)	(%)	(n)	(n)	(%)	(n)	(n)	(%)	(n)	(n)	(%)	(n)	(n)	(%)
Aneurin Bevan University HB																					
Blaenau Gwent LA	701	678	96.7	662	94.4	615	87.7	615	87.7	351	339	96.6	331	94.3	350	339	96.9	331	94.6		
Caerphilly LA	2064	2013	97.5	1962	95.1	1793	86.9	1798	87.1	1013	992	97.9	969	95.7	1051	1021	97.1	993	94.5		
Monmouthshire LA	1092	1022	93.6	992	90.8	871	79.8	876	80.2	520	487	93.7	472	90.8	572	535	93.5	520	90.9		
Newport LA	1918	1823	95.0	1754	91.4	1576	82.2	1582	82.5	955	909	95.2	880	92.1	960	912	95.0	874	91.0		
Torfaen LA	1125	1095	97.3	1069	95.0	985	87.6	972	86.4	551	534	96.9	526	95.5	574	561	97.7	543	94.6		
Health Board Total	6900	6631	96.1	6439	93.3	5840	84.6	5843	84.7	3390	3261	96.2	3178	93.7	3507	3368	96.0	3261	93.0		
Betsi Cadwaladr University HB																					
Anglesey LA	715	671	93.8	652	91.2	613	85.7	609	85.2	345	325	94.2	315	91.3	370	346	93.5	337	91.1		
Conwy LA	1176	1116	94.9	1083	92.1	1057	89.9	1066	90.6	534	509	95.3	496	92.9	642	607	94.5	587	91.4		
Denbighshire LA	1112	1038	93.3	1001	90.0	924	83.1	932	83.8	532	497	93.4	480	90.2	580	541	93.3	521	89.8		
Flintshire LA	1657	1574	95.0	1522	91.9	1419	85.6	1422	85.8	818	779	95.2	752	91.9	839	795	94.8	770	91.8		
Gwynedd LA	1266	1228	97.0	1201	94.9	1140	90.0	1139	90.0	640	625	97.7	610	95.3	626	603	96.3	591	94.4		
Wrexham LA	1502	1457	97.0	1415	94.2	1270	84.6	1277	85.0	737	714	96.9	687	93.2	765	743	97.1	728	95.2		
Health Board Total	7428	7084	95.4	6874	92.5	6423	86.5	6445	86.8	3606	3449	95.6	3340	92.6	3822	3635	95.1	3534	92.5		
Cardiff and Vale University HB																					
Cardiff LA	4028	3761	93.4	3552	88.2	3118	77.4	3114	77.3	1993	1872	93.9	1778	89.2	2034	1889	92.9	1774	87.2		
Vale of Glamorgan LA	1524	1455	95.5	1388	91.1	1256	82.4	1257	82.5	766	727	94.9	693	90.5	757	728	96.2	695	91.8		
Health Board Total	5552	5216	93.9	4940	89.0	4374	78.8	4371	78.7	2759	2599	94.2	2471	89.6	2791	2617	93.8	2469	88.5		
Cwm Taf Morgannwg University HB																					
Bridgend LA	1687	1616	95.8	1546	91.6	1547	91.7	1552	92.0	794	764	96.2	737	92.8	893	852	95.4	809	90.6		
Merthyr Tydfil LA	715	685	95.8	656	91.7	641	89.7	644	90.1	360	344	95.6	329	91.4	355	341	96.1	327	92.1		
Rhondda Cynon Taf LA	2891	2772	95.9	2661	92.0	2658	91.9	2650	91.7	1408	1355	96.2	1308	92.9	1482	1417	95.6	1353	91.3		
Health Board Total	5293	5073	95.8	4863	91.9	4846	91.6	4846	91.6	2562	2463	96.1	2374	92.7	2730	2610	95.6	2489	91.2		
Hywel Dda University HB																					
Carmarthenshire LA	2027	1926	95.0	1880	92.7	1796	88.6	1793	88.5	987	944	95.6	917	92.9	1040	982	94.4	963	92.6		
Ceredigion LA	656	625	95.3	600	91.5	582	88.7	580	88.4	294	277	94.2	264	89.8	362	348	96.1	336	92.8		
Pembrokeshire LA	1259	1205	95.7	1144	90.9	1068	84.8	1060	84.2	616	592	96.1	558	90.6	643	613	95.3	586	91.1		
Health Board Total	3942	3756	95.3	3624	91.9	3446	87.4	3433	87.1	1897	1813	95.6	1739	91.7	2045	1943	95.0	1885	92.2		
Powys Teaching HB																					
Health Board Total	1409	1311	93.0	1250	88.7	1229	87.2	1238	87.9	678	638	94.1	615	90.7	731	673	92.1	635	86.9		
Swansea Bay University HB																					
Neath Port Talbot LA	1655	1577	95.3	1496	90.4	1527	92.3	1532	92.6	828	786	94.9	751	90.7	827	791	95.6	745	90.1		
Swansea LA	2568	2404	93.6	2300	89.6	2333	90.8	2349	91.5	1191	1115	93.6	1064	89.3	1377	1289	93.6	1236	89.8		
Health Board Total	4223	3981	94.3	3796	89.9	3860	91.4	3881	91.9	2019	1901	94.2	1815	89.9	2204	2080	94.4	1981	89.9		
Unknown	92	85	92.4	83	90.2	76	82.6	74	80.4	44	40	90.9	39	88.6	48	45	93.8	44	91.7		
Wales Total	34839	33137	95.1	31869	91.5	30094	86.4	30131	86.5	16955	16164	95.3	15571	91.8	17878	16971	94.9	16298	91.2		

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

Table 14. MMR, Td/IPV and MenACWY vaccine uptake in children reaching their 16th birthday between 01/07/21 and 30/09/21 and resident on 30/09/21, with breakdown of MMR1 and MMR2 coverage by sex

Area	Teenage 3 in										Resident girls		MMR1 (girls)		MMR2 (girls)		Resident boys		MMR1 (boys)		MMR2 (boys)	
	Resident children	MMR1		MMR2		1 booster ¹		MenACWY		Resident girls	(n)	(n)	(%)	(n)	(%)	Resident boys	(n)	(n)	(%)	(n)	(%)	
Aneurin Bevan University HB	(n)	(n)	(%)	(n)	(%)	(n)	(%)	(n)	(%)	(n)	(n)	(n)	(%)	(n)	(%)	(n)	(n)	(n)	(%)	(n)	(%)	
Blaenau Gwent LA	192	186	96.9	180	93.8	169	88.0	169	88.0	102	99	97.1	95	93.1	90	87	96.7	85	94.4			
Caerphilly LA	593	578	97.5	570	96.1	510	86.0	512	86.3	290	283	97.6	278	95.9	303	295	97.4	292	96.4			
Monmouthshire LA	272	259	95.2	252	92.6	214	78.7	216	79.4	128	121	94.5	119	93.0	144	138	95.8	133	92.4			
Newport LA	493	468	94.9	450	91.3	411	83.4	409	83.0	243	230	94.7	222	91.4	250	238	95.2	228	91.2			
Torfaen LA	296	292	98.6	282	95.3	246	83.1	245	82.8	152	149	98.0	147	96.7	144	143	99.3	135	93.8			
Health Board Total	1846	1783	96.6	1734	93.9	1550	84.0	1551	84.0	915	882	96.4	861	94.1	931	901	96.8	873	93.8			
Betsi Cadwaladr University HB																						
Anglesey LA	185	176	95.1	174	94.1	163	88.1	159	85.9	82	80	97.6	79	96.3	103	96	93.2	95	92.2			
Conwy LA	301	289	96.0	284	94.4	261	86.7	262	87.0	134	128	95.5	125	93.3	167	161	96.4	159	95.2			
Denbighshire LA	287	271	94.4	267	93.0	232	80.8	233	81.2	142	131	92.3	129	90.8	145	140	96.6	138	95.2			
Flintshire LA	429	410	95.6	392	91.4	331	77.2	338	78.8	217	205	94.5	198	91.2	212	205	96.7	194	91.5			
Gwynedd LA	366	360	98.4	353	96.4	331	90.4	332	90.7	183	181	98.9	176	96.2	183	179	97.8	177	96.7			
Wrexham LA	411	396	96.4	378	92.0	321	78.1	322	78.3	203	193	95.1	181	89.2	208	203	97.6	197	94.7			
Health Board Total	1979	1902	96.1	1848	93.4	1639	82.8	1646	83.2	961	918	95.5	888	92.4	1018	984	96.7	960	94.3			
Cardiff and Vale University HB																						
Cardiff LA	1074	1011	94.1	949	88.4	818	76.2	818	76.2	531	497	93.6	469	88.3	542	514	94.8	480	88.6			
Vale of Glamorgan LA	356	340	95.5	322	90.4	288	80.9	290	81.5	162	154	95.1	145	89.5	193	186	96.4	177	91.7			
Health Board Total	1430	1351	94.5	1271	88.9	1106	77.3	1108	77.5	693	651	93.9	614	88.6	735	700	95.2	657	89.4			
Cwm Taf Morgannwg University HB																						
Bridgend LA	445	421	94.6	404	90.8	401	90.1	401	90.1	211	201	95.3	196	92.9	234	220	94.0	208	88.9			
Merthyr Tydfil LA	188	180	95.7	171	91.0	169	89.9	170	90.4	87	83	95.4	77	88.5	101	97	96.0	94	93.1			
Rhondda Cynon Taf LA	769	743	96.6	709	92.2	715	93.0	714	92.8	354	345	97.5	336	94.9	415	398	95.9	373	89.9			
Health Board Total	1402	1344	95.9	1284	91.6	1285	91.7	1285	91.7	652	629	96.5	609	93.4	750	715	95.3	675	90.0			
Hywel Dda University HB																						
Carmarthenshire LA	541	512	94.6	504	93.2	461	85.2	461	85.2	239	231	96.7	227	95.0	302	281	93.0	277	91.7			
Ceredigion LA	186	180	96.8	173	93.0	164	88.2	162	87.1	80	77	96.3	72	90.0	106	103	97.2	101	95.3			
Pembrokeshire LA	331	312	94.3	296	89.4	237	71.6	237	71.6	162	156	96.3	148	91.4	169	156	92.3	148	87.6			
Health Board Total	1058	1004	94.9	973	92.0	862	81.5	860	81.3	481	464	96.5	447	92.9	577	540	93.6	526	91.2			
Powys Teaching HB																						
Health Board Total	366	331	90.4	312	85.2	306	83.6	309	84.4	191	176	92.1	168	88.0	175	155	88.6	144	82.3			
Swansea Bay University HB																						
Neath Port Talbot LA	450	435	96.7	423	94.0	407	90.4	409	90.9	217	206	94.9	201	92.6	233	229	98.3	222	95.3			
Swansea LA	670	635	94.8	603	90.0	603	90.0	606	90.4	300	288	96.0	274	91.3	370	347	93.8	329	88.9			
Health Board Total	1120	1070	95.5	1026	91.6	1010	90.2	1015	90.6	517	494	95.6	475	91.9	603	576	95.5	551	91.4			
Unknown	26	25	96.2	25	96.2	21	80.8	19	73.1	15	14	93.3	14	93.3	11	11	100.0	11	100.0			
Wales Total	9227	8810	95.5	8473	91.8	7779	84.3	7793	84.5	4425	4228	95.5	4076	92.1	4800	4582	95.5	4397	91.6			

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

Table 15. Uptake of BCG immunisation in children reaching their 1st, 2nd, 5th and 16th birthdays between 01/07/21 and 30/09/21 and resident on 30/09/21.¹

Area	1 yr BCG Immunised			2 yrs BCG Immunised			5 yrs BCG Immunised			16 yrs BCG Immunised		
	Resident children	(n)	(n)	(%)	Resident children	(n)	(n)	(%)	Resident children	(n)	(n)	(%)
Aneurin Bevan University HB												
Blaenau Gwent LA	190	7	3.7		196	3	1.5		178	2	1.1	
Caerphilly LA	417	16	3.8		477	7	1.5		535	11	2.1	
Monmouthshire LA	191	6	3.1		184	6	3.3		214	9	4.2	
Newport LA	496	59	11.9		501	82	16.4		509	83	16.3	
Torfaen LA	252	7	2.8		239	8	3.3		278	10	3.6	
Health Board Total	1546	95	6.1		1597	106	6.6		1714	115	6.7	
Betsi Cadwaladr University HB												
Anglesey LA	164	2	1.2		158	5	3.2		189	6	3.2	
Conwy LA	257	8	3.1		277	11	4.0		297	12	4.0	
Denbighshire LA	228	12	5.3		267	13	4.9		281	13	4.6	
Flintshire LA	377	27	7.2		388	27	7.0		425	22	5.2	
Gwynedd LA	272	5	1.8		240	7	2.9		283	10	3.5	
Wrexham LA	330	18	5.5		359	30	8.4		379	30	7.9	
Health Board Total	1628	72	4.4		1689	93	5.5		1854	93	5.0	
Cardiff and Vale University HB												
Cardiff LA	914	225	24.6		957	194	20.3		1074	58	5.4	
Vale of Glamorgan LA	327	14	4.3		332	25	7.5		382	7	1.8	
Health Board Total	1241	239	19.3		1289	219	17.0		1456	65	4.5	
Cwm Taf Morgannwg University HB												
Bridgend LA	375	11	2.9		328	11	3.4		422	19	4.5	
Merthyr Tydfil LA	135	7	5.2		155	6	3.9		197	2	1.0	
Rhondda Cynon Taf LA	624	17	2.7		616	28	4.5		720	19	2.6	
Health Board Total	1134	35	3.1		1099	45	4.1		1339	40	3.0	
Hywel Dda University HB												
Carmarthenshire LA	456	9	2.0		450	9	2.0		510	24	4.7	
Ceredigion LA	122	3	2.5		119	2	1.7		165	8	4.8	
Pembrokeshire LA	240	3	1.3		297	8	2.7		325	7	2.2	
Health Board Total	818	15	1.8		866	19	2.2		1000	39	3.9	
Powys Teaching Health Board												
Health Board Total	246	3	1.2		276	9	3.3		331	9	2.7	
Swansea Bay University HB												
Neath Port Talbot LA	326	8	2.5		317	11	3.5		391	14	3.6	
Swansea LA	534	54	10.1		613	81	13.2		649	70	10.8	
Health Board Total	860	62	7.2		930	92	9.9		1040	84	8.1	
Unknown	0	0	0.0		15	1	6.7		3	0	0.0	
Wales Total	7480	522	7.0		7761	584	7.5		8737	445	5.1	
	9227	454	4.9									

¹ 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 16. Uptake of hepatitis B immunisation in children, reaching their 1st, 2nd, and 5th birthdays during between 01/07/21 and 30/09/21 and resident on 30/09/21, and percentage who are recorded as completing doses 1 to 4.¹

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
Aneurin Bevan UHB	(n)	(n)	(%)	(%)	(%)	(n)	(n)	(%)	(%)	(%)	(%)	(n)	(n)	(%)	(%)	(%)	
	1546	3	100.0	100.0	100.0	1597	1	100.0	100.0	100.0	100.0	1714	0	-	-	-	
Betsi Cadwaladr UHB	1628	0	-	-	-	1689	1	100.0	100.0	100.0	100.0	1854	1	100.0	100.0	100.0	
Cardiff and Vale UHB	1241	3	66.7	100.0	100.0	1289	4	100.0	100.0	100.0	50.0	1456	3	100.0	100.0	100.0	
Cwm Taf Morgannwg UHB	1134	1	100.0	100.0	100.0	1099	0	-	-	-	-	1339	1	100.0	100.0	-	
Hywel Dda UHB	818	1	100.0	100.0	100.0	866	0	-	-	-	-	1000	0	-	-	-	
Powys Teaching HB	246	0	-	-	-	276	0	-	-	-	-	331	0	-	-	-	
Swansea Bay UHB	860	1	100.0	100.0	100.0	930	0	-	-	-	-	1040	2	100.0	100.0	100.0	
Unknown	7	0	-	-	-	15	0	-	-	-	-	3	0	-	-	-	
Wales Total	7480	9	88.9	100.0	100.0	7761	6	100.0	100.0	100.0	66.7	8737	7	100.0	100.0	100.0	85.7

¹Data reflects immunisations given and recorded on the Public Health Wales All Wales Neonatal Hepatitis B database of babies born to hepatitis B positive mothers. One and two year olds in this table would have been eligible for the new Hepatitis B containing "6 in 1" vaccine as part of the routine childhood immunisation schedule. The doses here for one and two year olds refer to the monovalent dose given at birth (dose 1), monovalent dose given at one month (dose 2) and dose due at two months (dose 3, now part of the "6 in 1" vaccine). Dose four for two year olds refers to the monovalent dose due at one year of age.