

Vaccine Uptake in Children in Wales

October to December 2020

COVER 137: Wales February 2021

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 five of the seven Health Boards (HBs) and in 15 of the 22 Local Authority (LA) areas.
- Uptake of a complete three-dose course of MenB vaccine in two year olds was 94.5% this quarter. Three HBs and 9 LA areas had an uptake above 95%.
- Uptake of the first dose of MMR vaccine in two year old children was 94.9% this quarter. Three HBs and 10 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 86.5% this quarter and was 90.9% in five year olds.
- School based vaccination sessions for teenagers have not yet started for the 2020-21 academic year. School closures due to COVID-19 are likely to impact uptake of HPV, MenACWY and the Td/IPV teenage booster across all health boards in Wales with the exception of Cardiff and Vale UHB where MenACWY and the Td/IPV teenage booster vaccines are given in General Practice.
- The 2020-21 school year 8 (12-13 year olds) will be the second cohort to include boys eligible for the Human Papillomavirus vaccine (HPV). Coverage of the first dose of HPV vaccine in school year 9 (13-14 year olds) is currently 65.0%. Coverage of the second dose of HPV vaccine in school year 10 (14-15 year olds) is currently 55.6%. These teenagers would have been vaccinated as part of school campaigns in the 2019-20 academic year. Vaccinations given in the previous academic year have also been impacted by school closures due to COVID-19.
- Uptake of routine MenACWY vaccine in the 2020-21 school year 9 cohort is 9.4%. Coverage of the MenACWY vaccine in the 2020-21 school year 10 cohort is 75.8%.
- Uptake of the Td/IPV teenage booster in the 2020-21 school year 9 cohort is 9.6%. Coverage of the Td/IPV teenage booster in the 2020-21 school year 10 is 75.7%.
- Coverage of one dose of MMR vaccine in the 2020-21 school year 10 (age 14-15 years) was 95.3%, coverage of two doses was 91.7%.
- Coverage of one dose of MMR vaccine in the 2020-21 school year 11 (age 15-16 years) was 95.2%, coverage of two doses is 91.6%.

Background

These results are for children living in Wales in December 2020 and reaching their first, second, fourth, fifth and 16th birthdays during the quarter 01/10/2020 to 31/12/2020. 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 95.8% last quarter. Uptake ranged by HB from 92.7% (Cardiff and Vale) to 96.7% (Swansea Bay) and by LA from 91.4% (Conwy) to 97.8% (Bridgend). Five 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 a complete two dose primary course of pneumococcal conjugate vaccination (PCV2) in children reaching their first birthday decreased to 95.2% this quarter, compared to 96.1% last quarter. Uptake ranged by LA from 91.5% (Cardiff) to 98.1% (Neath Port Talbot). Six of the seven HBs and 15 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 92.1% (Cardiff and Vale) to 96.8% (Cwm Taf Morgannwg) and ranged by LA from 91.4% (Conwy) to 97.8% (Neath Port Talbot) (Figure 3, Tables 2 and 3).
4. Uptake of two doses of rotavirus vaccine in children reaching their first birthday decreased to 93.4% this quarter, compared to 94.0% last quarter. Uptake in HBs ranged from 91.1% (Cardiff and Vale) to 95.7% (Cwm Taf Morgannwg and Hywel Dda) and ranged by LA from 87.8% (Denbighshire) to 97.5% (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 94.9% this quarter. Uptake ranged by HB from 93.1% (Cardiff and Vale) to 96.0% (Cwm Taf Morgannwg) and by LA area from 92.7% (Cardiff) to 99.4% (Anglesey). Three HBs and 10 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 was 94.5% this quarter compared to 94.7% last quarter. Uptake ranged by HB from 91.8% (Cardiff and Vale) to 96.2% (Cwm Taf Morgannwg) and by LA from 91.4% (Cardiff) to 98.1% (Anglesey). Three of the seven HBs and nine 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 was 94.9% this quarter, the same as last quarter. Uptake ranged by HB from 93.1% (Cardiff and Vale) to 96.2% (Cwm Taf Morgannwg) and ranged by LA from 92.7% (Cardiff) to 99.4% (Anglesey). Three HBs and 11 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 remains at 94.6% this quarter. Uptake ranged by HB from 92.6% (Cardiff and Vale) to 95.8% (Cwm Taf Morgannwg), and ranged by LA from 92.3% (Cardiff) to 98.7% (Anglesey). Three HBs and 8 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 87.7%
 - The Hib/MenC booster was 95.2%
 - Two doses of MMR was 87.3%

The proportion of children who were up to date with all these routine immunisations at four years of age was 86.5%. This ranged by HB from 81.4% (Cardiff and Vale) to 90.4% (Powys Teaching) and by LA from 78.6% (Newport) to 95.2% (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 90.9%, the same as last quarter. This ranged by HB from 89.3% (Hywel Dda) to 92.7% (Betsi Cadwaladr) (Table 6).
11. In children reaching five years of age this quarter, coverage of one dose of MMR was 96.4%. Coverage of two doses of MMR was 92.1%. Coverage of two doses of MMR ranged by HB from 90.1% (Hywel Dda) to 93.5% (Betsi Cadwaladr) and by LA from 88.5% (Newport) to 97.8% (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 92.7% this quarter compared to 93.0% last quarter, ranging by HB from 90.8% (Hywel Dda) to 94.1% (Betsi Cadwaladr) and by LA from 88.4% (Newport) to 98.3% (Anglesey). Four 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 group (turning 13 years of age during 01/09/20 to 31/08/21) is currently 0.0%. This is the second school cohort to include boys eligible for the HPV vaccine (Table 8) [1]. Timings of school vaccination sessions vary throughout the year and have not started for the 2020-21 school year due to school closures and COVID-19 control measures.
14. Coverage of the first dose of HPV vaccine in 2020-21 school year 9 girls is currently 65.0% and uptake of the second dose in this age group is currently 0.1%. 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 55.6% (Table 9).
15. Current uptake of the MenACWY vaccine in the 2020-21 routine school year 9 cohort is 9.4% (Table 10 and 11). Coverage in the 2020-21 school years 10, 11 and 12, is currently 75.8%, 86.0% and 86.2% respectively (Table 10).
16. Uptake of the Td/IPV⁴ teenage booster in the 2020-21 school year 9 (children reaching 14 years of age) is currently 9.6%. Coverage of two doses of MMR in this year group is currently 92.3% and coverage of one dose is 95.6%. Coverage of two doses of MMR vaccine ranged by HB from 90.1% (Hywel Dda) to 94.1% (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 92.7% (Table 11).
17. Coverage of the Td/IPV teenage booster in the 2020-21 school year 10 (children reaching 15 years of age) is currently 75.7%. Coverage ranged by HB from 65.1% (Betsi Cadwaladr) to 88.4% (Cwm Taf Morgannwg). Coverage of two doses of MMR in this year group was 91.7% and coverage of one dose was 95.3%. Coverage of two doses of MMR vaccine ranged by HB from 88.9% (Powys Teaching) to 92.8% (Aneurin Bevan). Coverage of a full course of immunisation against rubella (two doses of MMR) in 15 year old girls in this school year group was 92.1% (Table 12).
18. Coverage of the Td/IPV teenage booster in the 2020-21 school year 11 (children reaching 16 years of age) is currently 85.9%. Coverage ranged by HB from 78.4% (Cardiff and Vale) to 91.7% (Swansea Bay). 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 89.0% (Cardiff & Vale) to 93.5% (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 92.0% (Table 13).
19. Coverage of two doses of MMR in children reaching 16 years of age this quarter (between 1st October 2020 and 31st December 2020) was 91.1%, whilst coverage of one dose of MMR was 95.0%. Coverage of a full course of immunisation against rubella (two doses of MMR) in 16 year old girls was 91.9%. National coverage of the Td/IPV teenage booster in children reaching 16 years of age this quarter was 85.4% (Figures 1, 2 and 3, Tables 2 and 14).

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

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

- 20.** 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 5.6%, 4.8%, 7.1% and 5.6% of children reaching their first, second, fifth and 16th birthdays (respectively) during quarter four of 2020. This quarter Newport LA had the highest proportion of children given BCG by one year of age (15.2%) and two years of age (17.9%), and Cardiff LA had the highest proportion of children vaccinated by five years of age (18.9%) and sixteen years of age (17.2%).⁵
- 21.** 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 92.3%, uptake of four doses⁶ at their second birthday was 50.0% and uptake of four doses at their fifth birthday was 90.9%. 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 fourth 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 first quarterly COVER report that shows vaccination uptake for infants and younger children who would have been due their vaccinations when COVID-19 control measures started being implemented in Wales in March 2020.

Overall, uptake of vaccinations in infants and younger children remained stable or was slightly lower this quarter. However, uptake does vary by health board. School based vaccination sessions for older children and teenagers have not started for the 2020-21 academic year and coverage for those due to be vaccinated in the 2019-20 academic year is lower than previous years, as pandemic response measures interrupted programme delivery in schools.

For the quarter October to December 2020 uptake of the complete three-dose course of “6 in 1” vaccine by the first birthday remains above 95%. Uptake of all other routine primary immunisations in infants aged one this quarter also remain at 95% or higher, excluding rotavirus (which cannot be given beyond 24 weeks of age, so is not possible to ‘catch up’).

Uptake of immunisations measured at two years of age was slightly below 95% this quarter for all routine immunisations. Uptake of the MenB vaccine was the lowest of all immunisations reported on in this age group.

The proportion of children who were up to date with their routine immunisations by four years of age decreased and by five years of age remained stable compared to last quarter.

The childhood immunisation programmes have continued as essential services during the coronavirus pandemic, with appropriate assurance to parents and infection control measures put in place by practices. Monthly enhanced immunisation reports developed by the Vaccine Preventable Disease Programme are being used to monitor the impact of COVID-19 on uptake of routine childhood immunisations across Wales [2]. Current data suggests that the timeliness of uptake in young children and infants due their immunisations over the last three months has decreased, which may be due to factors affecting service access or service delivery.

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. The implementation of an all Wales ‘firebreak’ from 23rd October to 9th November 2020 meant only year seven and eight pupils were able to attend school with older children studying from home. 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]. Current uptake of vaccinations due in 2020-21 School Year 14 are low with Cardiff and Vale UHB relatively less affected as MenACWY and Td/IPV vaccines are delivered in general practice.

Uptake will continue to be monitored closely to ensure children are caught up over the subsequent months and are protected against vaccine preventable disease. There continues to be infrequent notifications of vaccine preventable diseases to Public Health Wales Health Protection Teams [4], this will also continue to be monitored closely as further COVID-19 control measures are eased and international travel resumes.

References

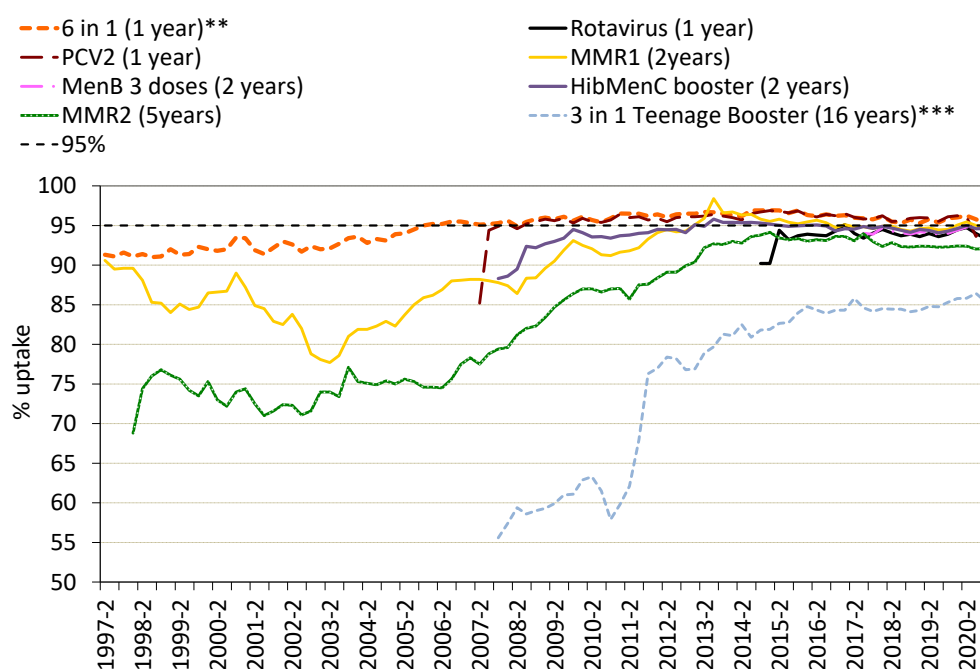
1. Welsh Health Circular- Changes to the HPV immunisation programme from the academic school year starting September 2019. Available from: [http://www.gpone.wales.nhs.uk/sitesplus/documents/1000/WHC%202019%20020%20%27Change%20to%20the%20Human%20Papillomavirus%20\(HPV\)%20Immunisation%20Programme%27%20-%20English.pdf](http://www.gpone.wales.nhs.uk/sitesplus/documents/1000/WHC%202019%20020%20%27Change%20to%20the%20Human%20Papillomavirus%20(HPV)%20Immunisation%20Programme%27%20-%20English.pdf)
2. Public Health Wales Health Protection Division. Vaccine uptake in children in Wales, Effect of COVID-19 on timeliness of childhood vaccinations: December 2020, December 2020. Cardiff, Public Health Wales. Available from: [http://nww2.nphs.wales.nhs.uk:8080/CommunitySurveillanceDocs.nsf/3dc04669c9e1eaa880257062003b246b/c8603f7f5f26a0be802586610043c3ac/\\$FILE/EnhancedCOVERDecember2020\(Report%208\)_v1.pdf](http://nww2.nphs.wales.nhs.uk:8080/CommunitySurveillanceDocs.nsf/3dc04669c9e1eaa880257062003b246b/c8603f7f5f26a0be802586610043c3ac/$FILE/EnhancedCOVERDecember2020(Report%208)_v1.pdf)
3. Institute for Government. Coronavirus lockdown rules in each part of the UK, February 2021. <https://www.instituteforgovernment.org.uk/explainers/coronavirus-lockdown-rules-four-nations-uk>
4. Public Health Wales Weekly Notification of Mumps Dashboard. November 2020: <https://public.tableau.com/profile/public.health.wales.health.protection#!/vizhome/NotificationsofMUMPSinWales2014-2017/Dashboard2>

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 4 2020*.

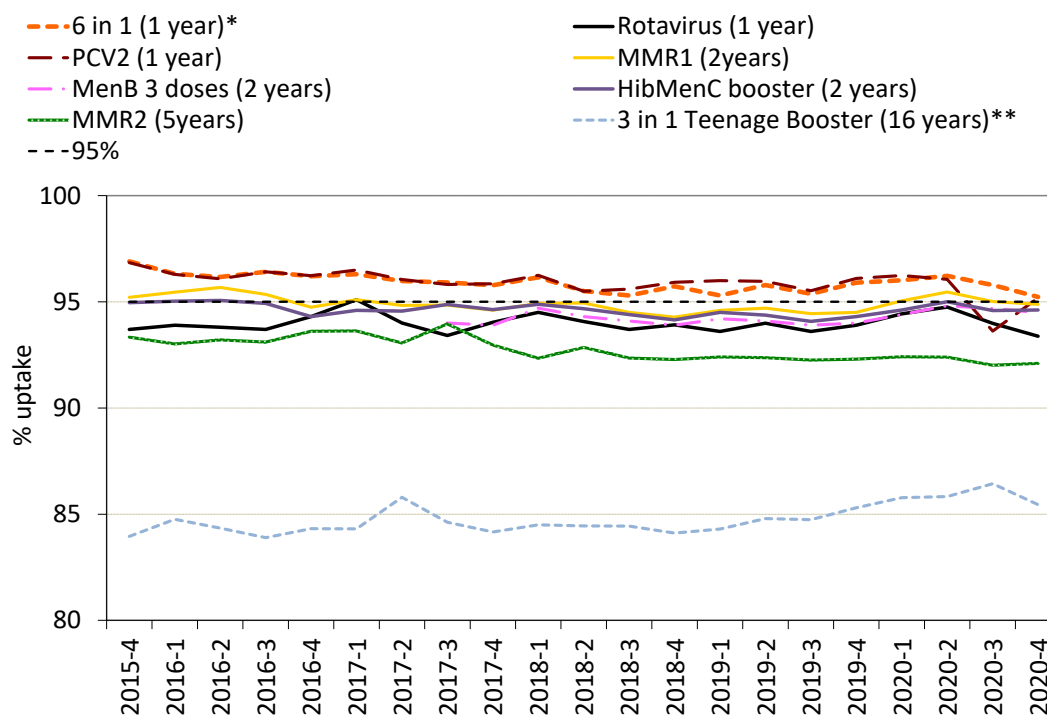


*Uptake data for quarter 3 2014 to quarter 4 2014 presented here are based on estimates calculated in August 2015, rather than published data, due to data quality problems affecting reported uptake of some immunisations in reports published during this period.

**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 4 2015 to quarter 4 2020***



* 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 01/10/20 and 31/12/20 and resident on 31/12/20.

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Figure 4. Percentage uptake of resident children reaching their 4th birthday between 01/10/20 and 31/12/20 and are up to date with all scheduled vaccines⁷ by health board.

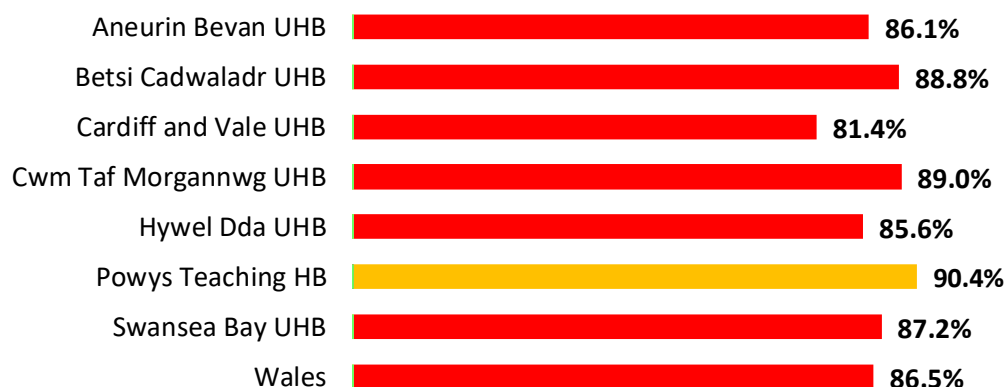
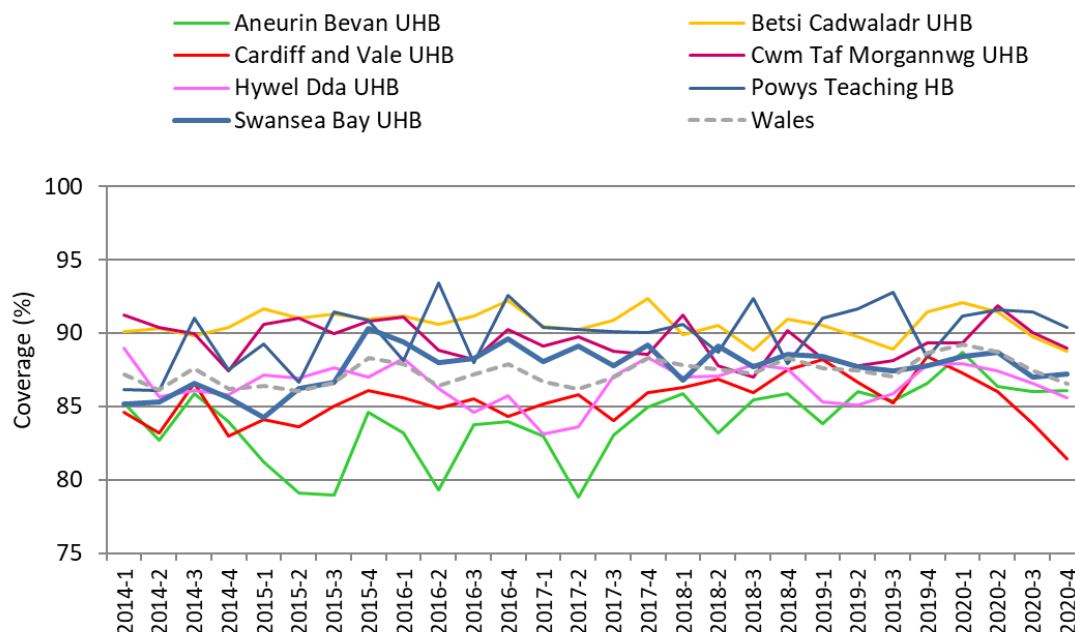


Table 1. Percentages of resident children reaching their 4th birthday during quarter 4 2019 to quarter 4 2020 who are up to date with all scheduled vaccines⁷, by Health Board.

Area					
	2019-4	2020-1	2020-2	2020-3	2020-4
Aneurin Bevan UHB	86.6	88.7	86.4	86.0	86.1
Betsi Cadwaladr UHB	91.4	92.1	91.5	89.8	88.8
Cardiff and Vale UHB	88.4	87.3	86.0	83.9	81.4
Cwm Taf Morgannwg UHB	89.3	89.4	91.9	90.1	89.0
Hywel Dda UHB	87.8	87.9	87.4	86.6	85.6
Powys Teaching HB	88.3	91.2	91.6	91.4	90.4
Swansea Bay UHB	87.8	88.4	88.7	87.0	87.2
Wales	88.7	89.2	88.8	87.5	86.5

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 1 2014 to quarter 4 2020, 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.

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

Figure 6. Uptake of “6 in 1” vaccine in Welsh Local Authority areas in children reaching their 1st birthday between 01/10/20 and 31/12/20.

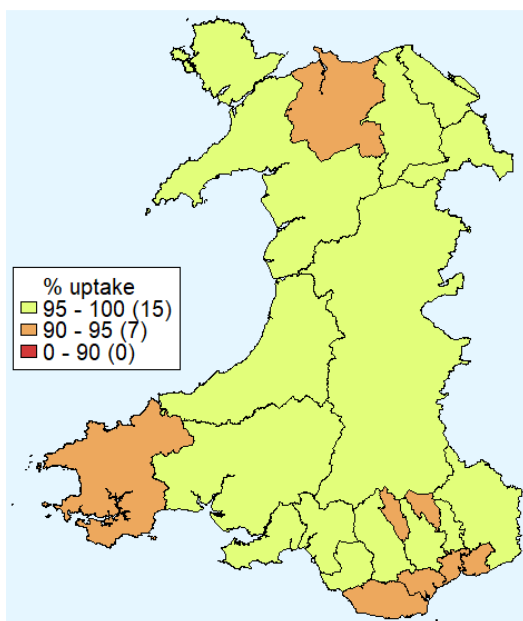


Figure 7. Uptake of at least one dose of MMR immunisation in Welsh Local Authority areas in children reaching their 2nd birthday between 01/10/20 and 31/12/20.

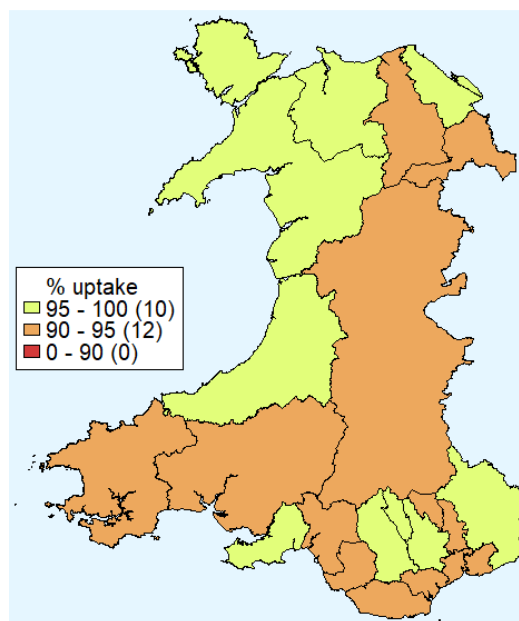


Figure 8. Uptake of two doses of MMR vaccine in Welsh Local Authority areas in children reaching their 5th birthday between 01/10/20 and 31/12/20.

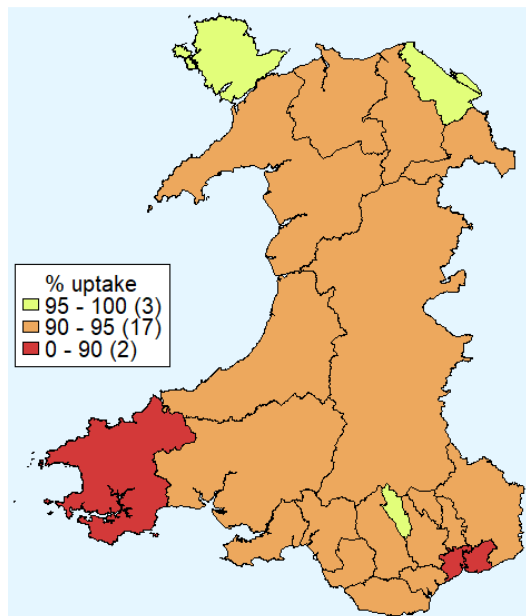


Figure 9. Uptake of “4 in 1” vaccine in Welsh Local Authority areas in children reaching their 5th birthday between 01/10/20 and 31/12/20.

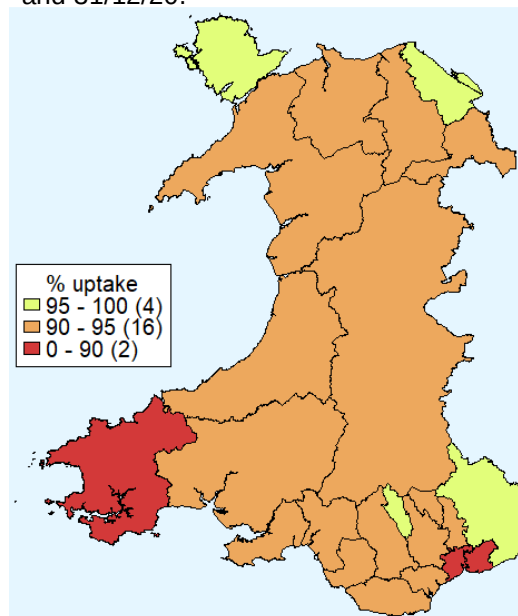


Table 2. Summary table with uptake of selected immunisations in resident children reaching their 1st, 2nd, 5th and 16th birthday between 01/10/20 and 31/12/20 and resident on 31/12/20.

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	PCV2	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	184	93.5	94.0	94.0	92.9	183	94.5	95.6	95.1	94.0	190	92.1	191	94.2	94.2	175	97.7	93.7	84.0	85.1
Caerphilly LA	437	96.6	96.8	96.1	95.4	464	97.0	97.0	97.0	97.0	495	90.5	546	93.4	93.6	475	97.7	94.9	88.8	88.8
Monmouthshire LA	189	96.8	96.3	96.8	94.7	191	95.8	95.3	93.7	95.3	233	86.3	210	93.8	95.7	318	94.0	90.9	80.5	78.9
Newport LA	486	92.6	92.8	93.6	88.5	524	94.3	94.8	94.5	94.7	538	78.6	567	88.5	88.4	515	95.7	93.0	81.9	81.6
Torfaen LA	238	95.8	96.2	96.6	89.5	241	93.4	93.8	94.2	94.2	265	88.7	275	92.0	92.4	295	96.6	93.6	85.1	86.4
Health Board Total	1534	94.9	95.0	95.2	91.9	1603	95.1	95.4	95.1	95.3	1721	86.1	1789	91.8	92.1	1778	96.3	93.3	84.3	84.2
Betsi Cadwaladr UHB																				
Anglesey LA	133	97.7	97.7	97.7	96.2	155	99.4	99.4	98.1	98.7	187	95.2	178	97.8	98.3	172	90.7	88.4	78.5	77.9
Conwy LA	245	91.4	91.4	93.5	89.8	230	95.2	95.2	94.3	95.2	269	82.9	312	93.3	93.3	310	93.9	90.0	88.7	87.7
Denbighshire LA	222	95.5	95.9	95.9	87.8	246	94.7	94.3	94.3	94.7	251	84.1	257	91.4	91.8	292	92.8	88.0	80.1	78.8
Flintshire LA	340	95.3	95.9	94.7	94.1	401	96.0	96.0	96.0	95.5	410	89.8	403	95.3	96.3	441	95.9	91.4	82.5	83.7
Gwynedd LA	262	96.2	95.8	95.4	94.7	271	97.0	95.9	95.6	95.6	282	91.8	317	93.4	94.3	306	94.8	91.2	83.7	83.7
Wrexham LA	343	97.4	96.5	96.8	93.3	335	94.6	94.6	94.0	94.6	358	89.7	386	91.5	92.0	390	97.9	95.4	82.8	82.8
Health Board Total	1545	95.5	95.5	95.5	92.6	1638	95.9	95.7	95.2	95.5	1757	88.8	1853	93.5	94.1	1911	94.9	91.2	83.0	82.9
Cardiff and Vale UHB																				
Cardiff LA	941	92.3	91.7	91.5	90.9	962	92.7	92.7	91.4	92.3	1054	82.0	1097	90.7	90.6	1019	92.8	87.9	77.3	77.4
Vale of Glamorgan LA	309	93.9	93.2	93.2	91.9	325	94.2	94.2	92.9	93.5	373	79.9	414	92.5	93.2	391	95.4	91.0	81.1	81.6
Health Board Total	1250	92.7	92.1	91.9	91.1	1287	93.1	93.1	91.8	92.6	1427	81.4	1511	91.2	91.3	1410	93.5	88.8	78.4	78.6
Cwm Taf Morgannwg UHB																				
Bridgend LA	356	97.8	97.5	97.5	97.5	363	93.4	93.7	93.7	92.8	383	89.0	396	91.7	92.2	443	96.2	91.9	91.6	91.0
Merthyr Tydfil LA	161	94.4	95.7	96.9	93.8	154	96.1	96.1	96.1	94.8	178	89.9	167	95.8	95.8	191	96.3	93.2	90.6	90.1
Rhondda Cynon Taf LA	601	96.2	96.7	96.0	95.2	621	97.4	97.7	97.7	97.7	658	88.8	656	93.6	94.7	721	95.4	91.4	91.1	91.4
Health Board Total	1118	96.4	96.8	96.6	95.7	1138	96.0	96.2	96.2	95.8	1219	89.0	1219	93.3	94.0	1355	95.8	91.8	91.2	91.1
Hywel Dda UHB																				
Cardiganshire LA	415	96.4	96.6	95.9	97.1	484	93.6	92.8	92.8	93.2	477	86.0	482	90.5	91.3	510	94.9	91.6	85.9	86.3
Ceredigion LA	141	96.5	96.5	95.7	92.2	125	98.4	96.8	96.8	97.6	144	88.2	145	92.4	93.1	154	94.8	92.9	91.6	91.6
Pembrokeshire LA	231	94.8	94.8	94.4	95.2	254	94.5	94.1	94.1	93.3	302	83.8	306	88.6	88.9	309	95.1	90.3	83.2	84.1
Health Board Total	787	95.9	96.1	95.4	95.7	863	94.6	93.7	93.7	93.9	923	85.6	933	90.1	90.8	973	95.0	91.4	85.9	86.4
Powys Teaching UHB																				
Health Board Total	240	95.8	95.4	96.3	95.0	263	93.5	93.9	93.5	93.5	292	90.4	275	91.3	93.5	364	94.2	88.7	87.9	87.1
Swansea Bay UHB																				
Neath Port Talbot LA	319	97.2	97.8	98.1	95.0	377	93.6	93.9	93.9	93.6	396	86.4	386	92.0	92.5	422	96.0	90.0	92.9	92.7
Swansea LA	553	96.4	95.8	96.2	95.1	563	95.2	95.2	95.2	94.8	598	87.8	623	92.0	93.1	690	93.6	90.1	92.3	92.2
Health Board Total	872	96.7	96.6	96.9	95.1	940	94.6	94.7	94.7	94.4	994	87.2	1009	92.0	92.9	1112	94.5	90.1	92.5	92.4
Unknown	9	88.9	88.9	88.9	88.9	10	90.0	100.0	100.0	90.0	5	100.0	7	100.0	100.0	22	90.9	90.9	81.8	81.8
Wales Total	7355	95.2	95.2	95.2	93.4	7742	94.9	94.9	94.5	94.6	8338	86.5	8596	92.1	92.7	8925	95.0	91.1	85.5	85.4

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

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

Table 3. Vaccine uptake in children reaching their 1st birthday between 01/10/20 and 31/12/20 and resident on 31/12/20.

Area	Resident children	D3		T3		P3		Po3		Hib3		HepB		MMR1		Rotavirus		PCV2 ¹		Men B ²		HibMenC	
	(n)	(n)	(%)	(n)	(%)	(n)	(%)	(n)	(%)	(n)	(%)	(n)	(%)	(n)	(%)	(n)	(%)	(n)	(%)	(n)	(%)	(n)	(%)
<u>Aneurin Bevan University HB</u>																							
Blaenau Gwent LA	184	172	93.5	172	93.5	172	93.5	172	93.5	172	93.5	172	93.5	0	0.0	171	92.9	173	94.0	173	94.0	0	0.0
Caerphilly LA	437	422	96.6	422	96.6	422	96.6	422	96.6	422	96.6	422	96.6	0	0.0	417	95.4	420	96.1	423	96.8	0	0.0
Monmouthshire LA	189	183	96.8	183	96.8	183	96.8	183	96.8	183	96.8	183	96.8	0	0.0	179	94.7	183	96.8	182	96.3	0	0.0
Newport LA	486	450	92.6	450	92.6	450	92.6	450	92.6	450	92.6	449	92.4	1	0.2	430	88.5	455	93.6	451	92.8	1	0.2
Torfaen LA	238	228	95.8	228	95.8	228	95.8	228	95.8	228	95.8	227	95.4	0	0.0	213	89.5	230	96.6	229	96.2	0	0.0
Health Board Total	1534	1455	94.9	1455	94.9	1455	94.9	1455	94.9	1455	94.9	1453	94.7	1	0.1	1410	91.9	1461	95.2	1458	95.0	1	0.1
<u>Betsi Cadwaladr University HB</u>																							
Anglesey LA	133	130	97.7	130	97.7	130	97.7	130	97.7	130	97.7	130	97.7	0	0.0	128	96.2	130	97.7	130	97.7	0	0.0
Conwy LA	245	224	91.4	224	91.4	224	91.4	224	91.4	224	91.4	223	91.0	2	0.8	220	89.8	229	93.5	224	91.4	2	0.8
Denbighshire LA	222	212	95.5	212	95.5	212	95.5	212	95.5	212	95.5	211	95.0	2	0.9	195	87.8	213	95.9	213	95.9	0	0.0
Flintshire LA	340	324	95.3	324	95.3	324	95.3	324	95.3	324	95.3	324	95.3	0	0.0	320	94.1	322	94.7	326	95.9	0	0.0
Gwynedd LA	262	252	96.2	252	96.2	252	96.2	252	96.2	252	96.2	251	95.8	0	0.0	248	94.7	250	95.4	251	95.8	0	0.0
Wrexham LA	343	334	97.4	334	97.4	334	97.4	334	97.4	334	97.4	334	97.4	3	0.9	320	93.3	332	96.8	331	96.5	3	0.9
Health Board Total	1545	1476	95.5	1476	95.5	1476	95.5	1476	95.5	1476	95.5	1473	95.3	7	0.5	1431	92.6	1476	95.5	1475	95.5	5	0.3
<u>Cardiff and Vale University HB</u>																							
Cardiff LA	941	869	92.3	869	92.3	869	92.3	869	92.3	869	92.3	869	92.3	1	0.1	855	90.9	861	91.5	863	91.7	2	0.2
Vale of Glamorgan LA	309	290	93.9	290	93.9	290	93.9	290	93.9	290	93.9	289	93.5	0	0.0	284	91.9	288	93.2	288	93.2	0	0.0
Health Board Total	1250	1159	92.7	1159	92.7	1159	92.7	1159	92.7	1159	92.7	1158	92.6	1	0.1	1139	91.1	1149	91.9	1151	92.1	2	0.2
<u>Cwm Taf Morgannwg University HB</u>																							
Bridgend LA	356	348	97.8	348	97.8	348	97.8	348	97.8	348	97.8	347	97.5	0	0.0	347	97.5	347	97.5	347	97.5	0	0.0
Merthyr Tydfil LA	161	152	94.4	152	94.4	152	94.4	152	94.4	152	94.4	152	94.4	0	0.0	151	93.8	156	96.9	154	95.7	0	0.0
Rhondda Cynon Taf LA	601	578	96.2	578	96.2	578	96.2	578	96.2	578	96.2	578	96.2	1	0.2	572	95.2	577	96.0	581	96.7	1	0.2
Health Board Total	1118	1078	96.4	1078	96.4	1078	96.4	1078	96.4	1078	96.4	1077	96.3	1	0.1	1070	95.7	1080	96.6	1082	96.8	1	0.1
<u>Hywel Dda University HB</u>																							
Carmarthenshire LA	415	400	96.4	400	96.4	400	96.4	400	96.4	400	96.4	400	96.4	0	0.0	403	97.1	398	95.9	401	96.6	0	0.0
Ceredigion LA	141	136	96.5	136	96.5	136	96.5	136	96.5	136	96.5	136	96.5	0	0.0	130	92.2	135	95.7	136	96.5	0	0.0
Pembrokeshire LA	231	219	94.8	219	94.8	219	94.8	219	94.8	219	94.8	219	94.8	0	0.0	220	95.2	218	94.4	219	94.8	0	0.0
Health Board Total	787	755	95.9	755	95.9	755	95.9	755	95.9	755	95.9	755	95.9	0	0.0	753	95.7	751	95.4	756	96.1	0	0.0
<u>Powys Teaching HB</u>																							
Health Board Total	240	230	95.8	230	95.8	230	95.8	230	95.8	230	95.8	229	95.4	3	1.3	228	95.0	231	96.3	229	95.4	2	0.8
<u>Swansea Bay University HB</u>																							
Neath Port Talbot LA	319	310	97.2	310	97.2	310	97.2	310	97.2	310	97.2	310	97.2	0	0.0	303	95.0	313	98.1	312	97.8	0	0.0
Swansea LA	553	533	96.4	533	96.4	533	96.4	533	96.4	533	96.4	533	96.4	2	0.4	526	95.1	532	96.2	530	95.8	2	0.4
Health Board Total	872	843	96.7	843	96.7	843	96.7	843	96.7	843	96.7	843	96.7	2	0.2	829	95.1	845	96.9	842	96.6	2	0.2
Unknown	9	8	88.9	8	88.9	8	88.9	8	88.9	8	88.9	8	88.9	0	0.0	8	88.9	8	88.9	8	88.9	0	0.0
Wales Total	7355	7004	95.2	7004	95.2	7004	95.2	7004	95.2	7004	95.2	6996	95.1	15	0.2	6868	93.4	7001	95.2	7001	95.2	13	0.2

¹ Full primary two dose course 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 01/10/20 and 31/12/20 and resident on 31/12/20.

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)	(%)	(n)	(%)	(n)	(%)	(n)	(%)	(n)	(%)
<u>Aneurin Bevan University HB</u>																							
Blaenau Gwent LA	183	178	97.3	178	97.3	178	97.3	177	96.7	177	96.7	177	96.7	173	94.5	176	96.2	175	95.6	174	95.1	172	94.0
Caerphilly LA	464	454	97.8	454	97.8	454	97.8	454	97.8	454	97.8	453	97.6	450	97.0	449	96.8	450	97.0	450	97.0	450	97.0
Monmouthshire LA	191	186	97.4	186	97.4	186	97.4	186	97.4	186	97.4	183	95.8	183	95.8	185	96.9	182	95.3	179	93.7	182	95.3
Newport LA	524	511	97.5	511	97.5	511	97.5	511	97.5	511	97.5	509	97.1	494	94.3	506	96.6	497	94.8	495	94.5	496	94.7
Torfaen LA	241	231	95.9	231	95.9	231	95.9	231	95.9	231	95.9	230	95.4	225	93.4	230	95.4	226	93.8	227	94.2	227	94.2
Health Board Total	1603	1560	97.3	1560	97.3	1560	97.3	1559	97.3	1559	97.3	1552	96.8	1525	95.1	1546	96.4	1530	95.4	1525	95.1	1527	95.3
<u>Betsi Cadwaladr University HB</u>																							
Anglesey LA	155	154	99.4	154	99.4	154	99.4	155	100.0	154	99.4	155	100.0	154	99.4	152	98.1	154	99.4	152	98.1	153	98.7
Conwy LA	230	225	97.8	225	97.8	225	97.8	225	97.8	225	97.8	225	97.8	219	95.2	226	98.3	219	95.2	217	94.3	219	95.2
Denbighshire LA	246	235	95.5	235	95.5	235	95.5	235	95.5	235	95.5	234	95.1	233	94.7	234	95.1	232	94.3	232	94.3	233	94.7
Flintshire LA	401	393	98.0	393	98.0	393	98.0	393	98.0	393	98.0	391	97.5	385	96.0	388	96.8	385	96.0	385	96.0	383	95.5
Gwynedd LA	271	265	97.8	265	97.8	265	97.8	265	97.8	265	97.8	264	97.4	263	97.0	262	96.7	260	95.9	259	95.6	259	95.6
Wrexham LA	335	324	96.7	324	96.7	324	96.7	324	96.7	324	96.7	324	96.7	317	94.6	322	96.1	317	94.6	315	94.0	317	94.6
Health Board Total	1638	1596	97.4	1596	97.4	1596	97.4	1597	97.5	1596	97.4	1593	97.3	1571	95.9	1584	96.7	1567	95.7	1560	95.2	1564	95.5
<u>Cardiff and Vale University HB</u>																							
Cardiff LA	962	923	95.9	923	95.9	923	95.9	922	95.8	922	95.8	924	96.0	892	92.7	905	94.1	892	92.7	879	91.4	888	92.3
Vale of Glamorgan LA	325	314	96.6	314	96.6	314	96.6	314	96.6	314	96.6	313	96.3	306	94.2	313	96.3	306	94.2	302	92.9	304	93.5
Health Board Total	1287	1237	96.1	1237	96.1	1237	96.1	1236	96.0	1236	96.0	1237	96.1	1198	93.1	1218	94.6	1198	93.1	1181	91.8	1192	92.6
<u>Cwm Taf Morgannwg University HB</u>																							
Bridgend LA	363	353	97.2	353	97.2	353	97.2	353	97.2	353	97.2	353	97.2	339	93.4	351	96.7	340	93.7	340	93.7	337	92.8
Merthyr Tydfil LA	154	149	96.8	149	96.8	149	96.8	150	97.4	149	96.8	150	97.4	148	96.1	150	97.4	148	96.1	148	96.1	146	94.8
Rhondda Cynon Taf LA	621	615	99.0	615	99.0	615	99.0	615	99.0	615	99.0	615	99.0	605	97.4	614	98.9	607	97.7	607	97.7	607	97.7
Health Board Total	1138	1117	98.2	1117	98.2	1117	98.2	1118	98.2	1117	98.2	1118	98.2	1092	96.0	1115	98.0	1095	96.2	1095	96.2	1090	95.8
<u>Hywel Dda University HB</u>																							
Carmarthenshire LA	484	466	96.3	466	96.3	466	96.3	466	96.3	466	96.3	463	95.7	453	93.6	465	96.1	449	92.8	449	92.8	451	93.2
Ceredigion LA	125	122	97.6	122	97.6	122	97.6	122	97.6	122	97.6	122	97.6	123	98.4	120	96.0	121	96.8	121	96.8	122	97.6
Pembrokeshire LA	254	249	98.0	249	98.0	249	98.0	249	98.0	249	98.0	248	97.6	240	94.5	245	96.5	239	94.1	239	94.1	237	93.3
Health Board Total	863	837	97.0	837	97.0	837	97.0	837	97.0	837	97.0	833	96.5	816	94.6	830	96.2	809	93.7	809	93.7	810	93.9
<u>Powys Teaching HB</u>																							
Health Board Total	263	254	96.6	254	96.6	254	96.6	254	96.6	254	96.6	253	96.2	246	93.5	251	95.4	247	93.9	246	93.5	246	93.5
<u>Swansea Bay University HB</u>																							
Neath Port Talbot LA	377	364	96.6	364	96.6	364	96.6	364	96.6	364	96.6	364	96.6	353	93.6	362	96.0	354	93.9	354	93.9	353	93.6
Swansea LA	563	548	97.3	548	97.3	548	97.3	548	97.3	548	97.3	547	97.2	536	95.2	535	95.0	536	95.2	536	95.2	534	94.8
Health Board Total	940	912	97.0	912	97.0	912	97.0	912	97.0	912	97.0	911	96.9	889	94.6	897	95.4	890	94.7	890	94.7	887	94.4
Unknown	10	10	100.0	10	100.0	10	100.0	10	100.0	10	100.0	10	100.0	9	90.0	9	90.0	10	100.0	10	100.0	9	90.0
Wales Total	7742	7523	97.2	7523	97.2	7523	97.2	7523	97.2	7521	97.1	7507	97.0	7346	94.9	7450	96.2	7346	94.9	7316	94.5	7325	94.6

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 01/10/20 and 31/12/20 and resident on 31/12/20. 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)	(%)
<u>Aneurin Bevan University HB</u>									
Blaenau Gwent LA	190	177	93.2	184	96.8	175	92.1	175	92.1
Caerphilly LA	495	450	90.9	483	97.6	450	90.9	448	90.5
Monmouthshire LA	233	208	89.3	219	94.0	204	87.6	201	86.3
Newport LA	538	435	80.9	489	90.9	430	79.9	423	78.6
Torfaen LA	265	240	90.6	254	95.8	238	89.8	235	88.7
Health Board Total	1721	1510	87.7	1629	94.7	1497	87.0	1482	86.1
<u>Betsi Cadwaladr University HB</u>									
Anglesey LA	187	179	95.7	183	97.9	178	95.2	178	95.2
Conwy LA	269	226	84.0	256	95.2	225	83.6	223	82.9
Denbighshire LA	251	213	84.9	240	95.6	213	84.9	211	84.1
Flintshire LA	410	372	90.7	394	96.1	372	90.7	368	89.8
Gwynedd LA	282	264	93.6	269	95.4	260	92.2	259	91.8
Wrexham LA	358	326	91.1	342	95.5	323	90.2	321	89.7
Health Board Total	1757	1580	89.9	1684	95.8	1571	89.4	1560	88.8
<u>Cardiff and Vale University HB</u>									
Cardiff LA	1054	879	83.4	982	93.2	877	83.2	864	82.0
Vale of Glamorgan LA	373	304	81.5	345	92.5	302	81.0	298	79.9
Health Board Total	1427	1183	82.9	1327	93.0	1179	82.6	1162	81.4
<u>Cwm Taf Morgannwg University HB</u>									
Bridgend LA	383	342	89.3	370	96.6	342	89.3	341	89.0
Merthyr Tydfil LA	178	162	91.0	170	95.5	163	91.6	160	89.9
Rhondda Cynon Taf LA	658	590	89.7	638	97.0	586	89.1	584	88.8
Health Board Total	1219	1094	89.7	1178	96.6	1091	89.5	1085	89.0
<u>Hywel Dda University HB</u>									
Cardemarthenshire LA	477	414	86.8	458	96.0	412	86.4	410	86.0
Ceredigion LA	144	128	88.9	137	95.1	127	88.2	127	88.2
Pembrokeshire LA	302	256	84.8	284	94.0	256	84.8	253	83.8
Health Board Total	923	798	86.5	879	95.2	795	86.1	790	85.6
<u>Powys Teaching HB</u>									
Health Board Total	292	266	91.1	279	95.5	264	90.4	264	90.4
<u>Swansea Bay University HB</u>									
Neath Port Talbot LA	396	345	87.1	383	96.7	343	86.6	342	86.4
Swansea LA	598	529	88.5	572	95.7	532	89.0	525	87.8
Health Board Total	994	874	87.9	955	96.1	875	88.0	867	87.2
Unknown	5	5	100.0	5	100.0	5	100.0	5	100.0
Wales Total	8338	7310	87.7	7936	95.2	7277	87.3	7215	86.5

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 01/10/20 and 31/12/20 and resident on 31/12/20. 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)	(%)	(n)	(%)
<u>Aneurin Bevan University HB</u>									
Blaenau Gwent LA	191	180	94.2	186	97.4	180	94.2	179	93.7
Caerphilly LA	546	511	93.6	528	96.7	510	93.4	506	92.7
Monmouthshire LA	210	201	95.7	204	97.1	197	93.8	195	92.9
Newport LA	567	501	88.4	512	90.3	502	88.5	484	85.4
Torfaen LA	275	254	92.4	261	94.9	253	92.0	250	90.9
Health Board Total	1789	1647	92.1	1691	94.5	1642	91.8	1614	90.2
<u>Betsi Cadwaladr University HB</u>									
Anglesey LA	178	175	98.3	174	97.8	174	97.8	172	96.6
Conwy LA	312	291	93.3	302	96.8	291	93.3	289	92.6
Denbighshire LA	257	236	91.8	242	94.2	235	91.4	230	89.5
Flintshire LA	403	388	96.3	391	97.0	384	95.3	383	95.0
Gwynedd LA	317	299	94.3	305	96.2	296	93.4	293	92.4
Wrexham LA	386	355	92.0	365	94.6	353	91.5	350	90.7
Health Board Total	1853	1744	94.1	1779	96.0	1733	93.5	1717	92.7
<u>Cardiff and Vale University HB</u>									
Cardiff LA	1097	994	90.6	1033	94.2	995	90.7	975	88.9
Vale of Glamorgan LA	414	386	93.2	399	96.4	383	92.5	380	91.8
Health Board Total	1511	1380	91.3	1432	94.8	1378	91.2	1355	89.7
<u>Cwm Taf Morgannwg University HB</u>									
Bridgend LA	396	365	92.2	377	95.2	363	91.7	359	90.7
Merthyr Tydfil LA	167	160	95.8	161	96.4	160	95.8	156	93.4
Rhondda Cynon Taf LA	656	621	94.7	641	97.7	614	93.6	611	93.1
Health Board Total	1219	1146	94.0	1179	96.7	1137	93.3	1126	92.4
<u>Hywel Dda University HB</u>									
Cardemarthenshire LA	482	440	91.3	453	94.0	436	90.5	431	89.4
Ceredigion LA	145	135	93.1	135	93.1	134	92.4	133	91.7
Pembrokeshire LA	306	272	88.9	287	93.8	271	88.6	269	87.9
Health Board Total	933	847	90.8	875	93.8	841	90.1	833	89.3
<u>Powys Teaching HB</u>									
Health Board Total	275	257	93.5	256	93.1	251	91.3	247	89.8
<u>Swansea Bay University HB</u>									
Neath Port Talbot LA	386	357	92.5	371	96.1	355	92.0	351	90.9
Swansea LA	623	580	93.1	589	94.5	573	92.0	565	90.7
Health Board Total	1009	937	92.9	960	95.1	928	92.0	916	90.8
Unknown	7	7	100.0	7	100.0	7	100.0	7	100.0
Wales Total	8596	7965	92.7	8179	95.1	7917	92.1	7815	90.9

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 01/10/20 and 31/12/20 and resident on 31/12/20.

Area	Resident children	D3	T3	P3	Po3	Hib3	MenC ¹	PCVf ²	HibMenC	MMR1	MMR2	D4	T4	aP	Po4
	(n)	(n) (%)	(n) (%)	(n) (%)	(n) (%)	(n) (%)	(n) (%)	(n) (%)	(n) (%)	(n) (%)	(n) (%)	(n) (%)	(n) (%)	(n) (%)	(n) (%)
<u>Aneurin Bevan University HB</u>															
Blaenau Gwent LA	191	188 98.4	188 98.4	188 98.4	188 98.4	188 98.4	186 97.4	185 96.9	186 97.4	187 97.9	180 94.2	180 94.2	180 94.2	180 94.2	180 94.2
Caerphilly LA	546	535 98.0	535 98.0	535 98.0	535 98.0	535 98.0	526 96.3	526 96.3	528 96.7	529 96.9	510 93.4	511 93.6	511 93.6	511 93.6	511 93.6
Monmouthshire LA	210	202 96.2	202 96.2	202 96.2	202 96.2	202 96.2	196 93.3	200 95.2	204 97.1	206 98.1	197 93.8	201 95.7	201 95.7	201 95.7	201 95.7
Newport LA	567	537 94.7	537 94.7	537 94.7	537 94.7	537 94.7	518 91.4	513 90.5	512 90.3	529 93.3	502 88.5	501 88.4	501 88.4	501 88.4	501 88.4
Torfaen LA	275	268 97.5	268 97.5	268 97.5	268 97.5	268 97.5	266 96.7	263 95.6	261 94.9	265 96.4	253 92.0	254 92.4	254 92.4	254 92.4	254 92.4
Health Board Total	1789	1730 96.7	1730 96.7	1730 96.7	1730 96.7	1730 96.7	1692 94.6	1687 94.3	1691 94.5	1716 95.9	1642 91.8	1647 92.1	1647 92.1	1647 92.1	1647 92.1
<u>Betsi Cadwaladr University HB</u>															
Anglesey LA	178	177 99.4	177 99.4	177 99.4	177 99.4	177 99.4	172 96.6	175 98.3	174 97.8	177 99.4	174 97.8	175 98.3	175 98.3	175 98.3	175 98.3
Conwy LA	312	304 97.4	304 97.4	304 97.4	304 97.4	302 96.8	304 97.4	293 93.9	296 94.9	302 96.8	303 97.1	291 93.3	291 93.3	291 93.3	291 93.3
Denbighshire LA	257	247 96.1	247 96.1	247 96.1	247 96.1	247 96.1	228 88.7	236 91.8	242 94.2	246 95.7	235 91.4	236 91.8	236 91.8	236 91.8	236 91.8
Flintshire LA	403	393 97.5	393 97.5	393 97.5	393 97.5	393 97.5	372 92.3	390 96.8	391 97.0	393 97.5	384 95.3	388 96.3	388 96.3	388 96.3	388 96.3
Gwynedd LA	317	307 96.8	307 96.8	307 96.8	307 96.8	307 96.8	279 88.0	304 95.9	305 96.2	307 96.8	296 93.4	299 94.3	299 94.3	299 94.3	299 94.3
Wrexham LA	386	369 95.6	369 95.6	369 95.6	369 95.6	369 95.6	356 92.2	362 93.8	365 94.6	372 96.4	353 91.5	355 92.0	355 92.0	355 92.0	355 92.0
Health Board Total	1853	1797 97.0	1797 97.0	1797 97.0	1797 97.0	1795 96.9	1797 97.0	1700 91.7	1763 95.1	1779 96.0	1798 97.0	1733 93.5	1744 94.1	1744 94.1	1744 94.1
<u>Cardiff and Vale University HB</u>															
Cardiff LA	1097	1051 95.8	1051 95.8	1051 95.8	1051 95.8	1052 95.9	1050 95.7	981 89.4	1011 92.2	1033 94.2	1046 95.4	995 90.7	994 90.6	994 90.6	994 90.6
Vale of Glamorgan LA	414	399 96.4	399 96.4	399 96.4	399 96.4	399 96.4	399 96.4	384 92.8	391 94.4	399 96.4	401 96.9	383 92.5	386 93.2	386 93.2	386 93.2
Health Board Total	1511	1450 96.0	1450 96.0	1450 96.0	1450 96.0	1451 96.0	1449 95.9	1365 90.3	1402 92.8	1432 94.8	1447 95.8	1378 91.2	1380 91.3	1380 91.3	1380 91.3
<u>Cwm Taf Morgannwg University HB</u>															
Bridgend LA	396	384 97.0	384 97.0	384 97.0	384 97.0	383 96.7	384 97.0	369 93.2	372 93.9	377 95.2	382 96.5	363 91.7	365 92.2	365 92.2	365 92.2
Merthyr Tydfil LA	167	165 98.8	165 98.8	165 98.8	165 98.8	165 98.8	165 98.8	163 97.6	161 96.4	161 96.4	165 98.8	160 95.8	160 95.8	160 95.8	160 95.8
Rhondda Cynon Taf LA	656	647 98.6	647 98.6	647 98.6	647 98.6	647 98.6	647 98.6	637 97.1	636 97	641 97.7	646 98.5	614 93.6	621 94.7	621 94.7	621 94.7
Health Board Total	1219	1196 98.1	1196 98.1	1196 98.1	1196 98.1	1195 98.0	1196 98.1	1169 95.9	1169 95.9	1179 96.7	1193 97.9	1137 93.3	1146 94.0	1146 94.0	1146 94.0
<u>Hywel Dda University HB</u>															
Cardiganshire LA	482	464 96.3	464 96.3	464 96.3	464 96.3	464 96.3	445 92.3	455 94.4	453 94.0	466 96.7	436 90.5	440 91.3	440 91.3	440 91.3	440 91.3
Ceredigion LA	145	137 94.5	137 94.5	137 94.5	136 93.8	136 93.8	129 89.0	132 91	135 93.1	136 93.8	134 92.4	135 93.1	135 93.1	135 93.1	135 93.1
Pembrokeshire LA	306	289 94.4	289 94.4	289 94.4	290 94.8	289 94.4	272 88.9	285 93.1	287 93.8	289 94.4	271 88.6	272 88.9	272 88.9	272 88.9	272 88.9
Health Board Total	933	890 95.4	890 95.4	890 95.4	890 95.4	889 95.3	846 90.7	872 93.5	875 93.8	891 95.5	841 90.1	847 90.8	847 90.8	847 90.8	847 90.8
<u>Powys Teaching HB</u>															
Health Board Total	275	261 94.9	261 94.9	261 94.9	261 94.9	261 94.9	254 92.4	256 93.1	256 93.1	258 93.8	251 91.3	257 93.5	257 93.5	257 93.5	257 93.5
<u>Swansea Bay University HB</u>															
Neath Port Talbot LA	386	380 98.4	380 98.4	380 98.4	380 98.4	380 98.4	369 95.6	368 95.3	371 96.1	376 97.4	355 92.0	357 92.5	357 92.5	357 92.5	357 92.5
Swansea LA	623	605 97.1	605 97.1	605 97.1	605 97.1	604 97.0	572 91.8	588 94.4	589 94.5	603 96.8	573 92.0	580 93.1	580 93.1	580 93.1	580 93.1
Health Board Total	1009	985 97.6	985 97.6	985 97.6	985 97.6	984 97.5	941 93.3	956 94.7	960 95.1	979 97.0	928 92.0	937 92.9	937 92.9	937 92.9	937 92.9
Unknown	7	7 100.0	7 100.0	7 100.0	7 100.0	7 100.0	7 100.0	7 100	7 100.0	7 100.0	7 100.0	7 100.0	7 100.0	7 100.0	7 100.0
Wales Total	8596	8316 96.7	8316 96.7	8316 96.7	8316 96.7	8314 96.7	8313 96.7	7974 92.8	8112 94.4	8179 95.1	8289 96.4	7917 92.1	7965 92.7	7965 92.7	7965 92.7

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

² Final (booster) dose of pneumococcal conjugate vaccine

Table 8. 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 31/12/20, with breakdown of coverage for sex.

Area	Resident children			Resident girls			Resident boys		
	(n)	HPV 1 dose		(n)	HPV 1 dose (girls)		(n)	HPV 1 dose (boys)	
	(n)	(n)	(%)	(n)	(n)	(%)	(n)	(n)	(%)
<u>Aneurin Bevan University HB</u>									
Blaenau Gwent LA	828	0	0.0	398	0	0.0	430	0	0.0
Caerphilly LA	2273	0	0.0	1085	0	0.0	1187	0	0.0
Monmouthshire LA	1070	3	0.3	527	2	0.4	543	1	0.2
Newport LA	2226	0	0.0	1077	0	0.0	1148	0	0.0
Torfaen LA	1148	0	0.0	555	0	0.0	593	0	0.0
Health Board Total	7545	3	0.0	3642	2	0.1	3901	1	0.0
<u>Betsi Cadwaladr University HB</u>									
Anglesey LA	798	1	0.1	408	1	0.2	390	0	0.0
Conwy LA	1214	0	0.0	616	0	0.0	598	0	0.0
Denbighshire LA	1157	0	0.0	555	0	0.0	601	0	0.0
Flintshire LA	1823	0	0.0	888	0	0.0	935	0	0.0
Gwynedd LA	1322	0	0.0	637	0	0.0	685	0	0.0
Wrexham LA	1659	0	0.0	818	0	0.0	840	0	0.0
Health Board Total	7973	1	0.0	3922	1	0.0	4049	0	0.0
<u>Cardiff and Vale University HB</u>									
Cardiff LA	4512	5	0.1	2230	2	0.1	2282	3	0.1
Vale of Glamorgan LA	1687	0	0.0	817	0	0.0	870	0	0.0
Health Board Total	6199	5	0.1	3047	2	0.1	3152	3	0.1
<u>Cwm Taf Morgannwg University HB</u>									
Bridgend LA	1722	0	0.0	830	0	0.0	892	0	0.0
Merthyr Tydfil LA	769	0	0.0	375	0	0.0	394	0	0.0
Rhondda Cynon Taf LA	2924	0	0.0	1443	0	0.0	1479	0	0.0
Health Board Total	5415	0	0.0	2648	0	0.0	2765	0	0.0
<u>Hywel Dda University HB</u>									
Carmarthenshire LA	2237	0	0.0	1110	0	0.0	1127	0	0.0
Ceredigion LA	660	0	0.0	327	0	0.0	333	0	0.0
Pembrokeshire LA	1421	0	0.0	702	0	0.0	719	0	0.0
Health Board Total	4318	0	0.0	2139	0	0.0	2179	0	0.0
<u>Powys Teaching HB</u>									
Health Board Total	1447	6	0.4	683	3	0.4	764	3	0.4
<u>Swansea Bay University HB</u>									
Neath Port Talbot LA	1644	0	0.0	766	0	0.0	878	0	0.0
Swansea LA	2857	2	0.1	1423	1	0.1	1434	1	0.1
Health Board Total	4501	2	0.0	2189	1	0.0	2312	1	0.0
Unknown	95	0	0.0	45	0	0.0	50	0	0.0
Wales Total	37493	17	0.0	18315	9	0.0	19172	8	0.0

¹ Timings of immunisation sessions vary between HBs and uptake will increase over the next quarter 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 31/12/20.

Area	13 years (2019-20 School Year 8) ¹			14 years (2019-20 School Year 9) ¹					15 years (2019-20 School Year 10)				
	Resident girls (n)	HPV 1 dose (n)	(%)	Resident girls (n)	HPV 1 dose (n)	(%)	HPV 2 dose (n)	(%)	Resident girls (n)	HPV 1 dose (n)	(%)	HPV 2 dose (n)	(%)
<u>Aneurin Bevan University HB</u>													
Blaenau Gwent LA	398	0	0.0	388	149	38.4	1	0.3	413	358	86.7	260	63.0
Caerphilly LA	1085	0	0.0	1049	457	43.6	2	0.2	1027	919	89.5	506	49.3
Monmouthshire LA	527	2	0.4	521	168	32.2	0	0.0	520	425	81.7	248	47.7
Newport LA	1077	0	0.0	982	317	32.3	0	0.0	959	785	81.9	378	39.4
Torfaen LA	555	0	0.0	540	55	10.2	0	0.0	550	484	88.0	278	50.5
Health Board Total	3642	2	0.1	3480	1146	32.9	3	0.1	3469	2971	85.6	1670	48.1
<u>Betsi Cadwaladr University HB</u>													
Anglesey LA	408	1	0.2	372	257	69.1	0	0.0	340	293	86.2	213	62.6
Conwy LA	616	0	0.0	597	328	54.9	1	0.2	592	526	88.9	324	54.7
Denbighshire LA	555	0	0.0	528	314	59.5	2	0.4	543	459	84.5	318	58.6
Flintshire LA	888	0	0.0	893	705	78.9	0	0.0	826	709	85.8	602	72.9
Gwynedd LA	637	0	0.0	650	547	84.2	1	0.2	679	620	91.3	578	85.1
Wrexham LA	818	0	0.0	743	594	79.9	0	0.0	768	664	86.5	562	73.2
Health Board Total	3922	1	0.0	3783	2745	72.6	4	0.1	3748	3271	87.3	2597	69.3
<u>Cardiff and Vale University HB</u>													
Cardiff LA	2230	2	0.1	2109	1390	65.9	7	0.3	1990	1718	86.3	1395	70.1
Vale of Glamorgan LA	817	0	0.0	771	637	82.6	0	0.0	743	690	92.9	578	77.8
Health Board Total	3047	2	0.1	2880	2027	70.4	7	0.2	2733	2408	88.1	1973	72.2
<u>Cwm Taf Morgannwg University HB</u>													
Bridgend LA	830	0	0.0	851	631	74.1	0	0.0	792	726	91.7	12	1.5
Merthyr Tydfil LA	375	0	0.0	327	210	64.2	0	0.0	324	291	89.8	11	3.4
Rhondda Cynon Taf LA	1443	0	0.0	1352	999	73.9	2	0.1	1405	1310	93.2	43	3.1
Health Board Total	2648	0	0.0	2530	1840	72.7	2	0.1	2521	2327	92.3	66	2.6
<u>Hywel Dda University HB</u>													
Carmarthenshire LA	1110	0	0.0	1058	937	88.6	1	0.1	1006	903	89.8	827	82.2
Ceredigion LA	327	0	0.0	350	305	87.1	0	0.0	301	266	88.4	247	82.1
Pembrokeshire LA	702	0	0.0	665	387	58.2	0	0.0	611	539	88.2	279	45.7
Health Board Total	2139	0	0.0	2073	1629	78.6	1	0.0	1918	1708	89.1	1353	70.5
<u>Powys Teaching HB</u>													
Health Board Total	683	3	0.4	654	40	6.1	0	0.0	671	585	87.2	34	5.1
<u>Swansea Bay University HB</u>													
Neath Port Talbot LA	766	0	0.0	799	730	91.4	0	0.0	806	775	96.2	708	87.8
Swansea LA	1423	1	0.1	1309	1228	93.8	1	0.1	1231	1156	93.9	1100	89.4
Health Board Total	2189	1	0.0	2108	1958	92.9	1	0.0	2037	1931	94.8	1808	88.8
Unknown	45	0	0.0	32	22	68.8	0	0.0	31	27	87.1	20	64.5
Wales Total	18315	9	0.0	17540	11407	65.0	18	0.1	17128	15228	88.9	9521	55.6

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 31/12/20.

Area	14 years (2019-20 School Year 9) ¹			15 years (2019-20 School Year 10)			16 years (2019-20 School Year 11) ¹			17 years (2019-20 School Year 12)		
	Resident children (n)	MenACWY (n) (%)		Resident children (n)	MenACWY (n) (%)		Resident children (n)	MenACWY (n) (%)		Resident children (n)	MenACWY (n) (%)	
<u>Aneurin Bevan University HB</u>												
Blaenau Gwent LA	722	2	0.3	774	647	83.6	685	602	87.9	763	678	88.9
Caerphilly LA	2094	27	1.3	2135	1735	81.3	2070	1801	87.0	2152	1812	84.2
Monmouthshire LA	1054	4	0.4	1079	819	75.9	1103	884	80.1	1144	902	78.8
Newport LA	2029	36	1.8	1921	1477	76.9	1911	1585	82.9	1902	1506	79.2
Torfaen LA	1125	3	0.3	1136	847	74.6	1123	968	86.2	1013	903	89.1
Health Board Total	7024	72	1.0	7045	5525	78.4	6892	5840	84.7	6974	5801	83.2
<u>Betsi Cadwaladr University HB</u>												
Anglesey LA	782	2	0.3	718	448	62.4	713	574	80.5	735	649	88.3
Conwy LA	1205	3	0.2	1227	971	79.1	1175	1049	89.3	1170	1054	90.1
Denbighshire LA	1099	4	0.4	1092	797	73.0	1111	920	82.8	1098	967	88.1
Flintshire LA	1808	9	0.5	1692	825	48.8	1646	1368	83.1	1653	1461	88.4
Gwynedd LA	1327	4	0.3	1355	969	71.5	1256	1096	87.3	1171	1056	90.2
Wrexham LA	1562	3	0.2	1566	961	61.4	1502	1253	83.4	1442	1282	88.9
Health Board Total	7783	25	0.3	7650	4971	65.0	7403	6260	84.6	7269	6469	89.0
<u>Cardiff and Vale University HB</u>												
Cardiff LA	4291	2374	55.3	4134	3145	76.1	4023	3086	76.7	3819	2927	76.6
Vale of Glamorgan LA	1613	834	51.7	1508	1265	83.9	1516	1247	82.3	1461	1206	82.5
Health Board Total	5904	3208	54.3	5642	4410	78.2	5539	4333	78.2	5280	4133	78.3
<u>Cwm Taf Morgannwg University HB</u>												
Bridgend LA	1750	3	0.2	1635	1433	87.6	1696	1551	91.5	1601	1356	84.7
Merthyr Tydfil LA	710	0	0.0	702	618	88.0	712	641	90.0	670	593	88.5
Rhondda Cynon Taf LA	2849	31	1.1	2868	2556	89.1	2883	2647	91.8	2674	2469	92.3
Health Board Total	5309	34	0.6	5205	4607	88.5	5291	4839	91.5	4945	4418	89.3
<u>Hywel Dda University HB</u>												
Carmarthenshire LA	2143	6	0.3	2114	1396	66.0	2019	1784	88.4	2004	1771	88.4
Ceredigion LA	699	1	0.1	606	470	77.6	661	582	88.0	673	593	88.1
Pembrokeshire LA	1349	3	0.2	1362	801	58.8	1252	1052	84.0	1267	1057	83.4
Health Board Total	4191	10	0.2	4082	2667	65.3	3932	3418	86.9	3944	3421	86.7
<u>Powys Teaching HB</u>												
Health Board Total	1336	6	0.4	1340	1110	82.8	1390	1232	88.6	1344	1208	89.9
<u>Swansea Bay University HB</u>												
Neath Port Talbot LA	1634	1	0.1	1624	1342	82.6	1655	1533	92.6	1505	1372	91.2
Swansea LA	2696	19	0.7	2616	2037	77.9	2544	2340	92.0	2579	2353	91.2
Health Board Total	4330	20	0.5	4240	3379	79.7	4199	3873	92.2	4084	3725	91.2
Unknown	66	2	3.0	75	59	78.7	91	74	81.3	104	87	83.7
Wales Total	35943	3377	9.4	35279	26728	75.8	34737	29869	86.0	33944	29262	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 31/12/20, with breakdown of MMR1 and MMR2 coverage by sex.

Area	Resident children		MMR1		MMR2		Teenage 3 in 1 booster ^{1,2}		MenACWY ²		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) (%)	(n) (%)		(n) (%)	(n) (%)		
<u>Aneurin Bevan University HB</u>	(n)	(n) (%)	(n) (%)	(n) (%)	(n) (%)	(n) (%)	(n) (%)	(n) (%)	(n) (%)	(n) (%)	(n)	(n) (%)	(n) (%)	(n) (%)	(n) (%)	(n)	(n) (%)	(n) (%)	(n) (%)	
Blaenau Gwent LA	722	703	97.4	682	94.5	5	0.7	2	0.3	388	375	96.6	363	93.6	334	328	98.2	319	95.5	
Caerphilly LA	2094	2045	97.7	1992	95.1	33	1.6	27	1.3	1049	1030	98.2	1004	95.7	1045	1015	97.1	988	94.5	
Monmouthshire LA	1054	1001	95.0	971	92.1	7	0.7	4	0.4	521	491	94.2	480	92.1	533	510	95.7	491	92.1	
Newport LA	2029	1932	95.2	1855	91.4	40	2.0	36	1.8	982	938	95.5	904	92.1	1046	994	95.0	951	90.9	
Torfaen LA	1125	1109	98.6	1077	95.7	10	0.9	3	0.3	540	534	98.9	519	96.1	585	575	98.3	558	95.4	
Health Board Total	7024	6790	96.7	6577	93.6	95	1.4	72	1.0	3480	3368	96.8	3270	94.0	3543	3422	96.6	3307	93.3	
<u>Betsi Cadwaladr University HB</u>																				
Anglesey LA	782	748	95.7	726	92.8	8	1.0	2	0.3	372	357	96.0	347	93.3	410	391	95.4	379	92.4	
Conwy LA	1205	1147	95.2	1117	92.7	5	0.4	3	0.2	597	571	95.6	563	94.3	608	576	94.7	554	91.1	
Denbighshire LA	1099	1057	96.2	1037	94.4	5	0.5	4	0.4	528	510	96.6	499	94.5	570	547	96.0	538	94.4	
Flintshire LA	1808	1702	94.1	1659	91.8	7	0.4	9	0.5	893	840	94.1	823	92.2	915	862	94.2	836	91.4	
Gwynedd LA	1327	1249	94.1	1210	91.2	7	0.5	4	0.3	650	612	94.2	591	90.9	677	637	94.1	619	91.4	
Wrexham LA	1562	1499	96.0	1471	94.2	5	0.3	3	0.2	743	717	96.5	702	94.5	819	782	95.5	769	93.9	
Health Board Total	7783	7402	95.1	7220	92.8	37	0.5	25	0.3	3783	3607	95.3	3525	93.2	3999	3795	94.9	3695	92.4	
<u>Cardiff and Vale University HB</u>																				
Cardiff LA	4291	4049	94.4	3853	89.8	2376	55.4	2374	55.3	2109	1998	94.7	1897	89.9	2181	2050	94.0	1955	89.6	
Vale of Glamorgan LA	1613	1547	95.9	1485	92.1	840	52.1	834	51.7	771	741	96.1	712	92.3	842	806	95.7	773	91.8	
Health Board Total	5904	5596	94.8	5338	90.4	3216	54.5	3208	54.3	2880	2739	95.1	2609	90.6	3023	2856	94.5	2728	90.2	
<u>Cwm Taf Morgannwg University HB</u>																				
Bridgend LA	1750	1690	96.6	1612	92.1	8	0.5	3	0.2	851	826	97.1	790	92.8	899	864	96.1	822	91.4	
Merthyr Tydfil LA	710	687	96.8	666	93.8	2	0.3	0	0.0	327	315	96.3	303	92.7	383	372	97.1	363	94.8	
Rhondda Cynon Taf LA	2849	2780	97.6	2716	95.3	35	1.2	31	1.1	1352	1318	97.5	1289	95.3	1496	1461	97.7	1426	95.3	
Health Board Total	5309	5157	97.1	4994	94.1	45	0.8	34	0.6	2530	2459	97.2	2382	94.2	2778	2697	97.1	2611	94.0	
<u>Hywel Dda University HB</u>																				
Carmarthenshire LA	2143	2018	94.2	1947	90.9	14	0.7	6	0.3	1058	997	94.2	963	91.0	1083	1019	94.1	982	90.7	
Ceredigion LA	699	660	94.4	639	91.4	3	0.4	1	0.1	350	330	94.3	319	91.1	349	330	94.6	320	91.7	
Pembrokeshire LA	1349	1257	93.2	1189	88.1	3	0.2	3	0.2	665	627	94.3	596	89.6	684	630	92.1	593	86.7	
Health Board Total	4191	3935	93.9	3775	90.1	20	0.5	10	0.2	2073	1954	94.3	1878	90.6	2116	1979	93.5	1895	89.6	
<u>Powys Teaching HB</u>																				
Health Board Total	1336	1269	95.0	1216	91.0	7	0.5	6	0.4	654	623	95.3	599	91.6	682	646	94.7	617	90.5	
<u>Swansea Bay University HB</u>																				
Neath Port Talbot LA	1634	1584	96.9	1537	94.1	4	0.2	1	0.1	799	778	97.4	754	94.4	835	806	96.5	783	93.8	
Swansea LA	2696	2556	94.8	2475	91.8	22	0.8	19	0.7	1309	1247	95.3	1204	92.0	1387	1309	94.4	1271	91.6	
Health Board Total	4330	4140	95.6	4012	92.7	26	0.6	20	0.5	2108	2025	96.1	1958	92.9	2222	2115	95.2	2054	92.4	
Unknown	66	59	89.4	58	87.9	2	3.0	2	3.0	32	30	93.8	30	93.8	34	29	85.3	28	82.4	
Wales Total	35943	34348	95.6	33190	92.3	3448	9.6	3377	9.4	17540	16805	95.8	16251	92.7	18397	17539	95.3	16935	92.1	

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 31/12/20, with breakdown of MMR1 and MMR2 coverage by sex.

Area	Resident children		MMR1		MMR2		Teenage 3 in 1 booster ¹		MenACWY	Resident girls	MMR1 (girls)		MMR2 (girls)		Resident boys	MMR1 (boys)		MMR2 (boys)	
<u>Aneurin Bevan University HB</u>	(n)	(n)	(%)	(n)	(%)	(n)	(%)	(n)	(%)	(n)	(n)	(%)	(n)	(%)	(n)	(n)	(%)	(n)	(%)
Blaenau Gwent LA	774	754	97.4	735	95.0	645	83.3	647	83.6	413	407	98.5	397	96.1	361	347	96.1	338	93.6
Caerphilly LA	2135	2093	98.0	2032	95.2	1734	81.2	1735	81.3	1027	1016	98.9	986	96.0	1108	1077	97.2	1046	94.4
Monmouthshire LA	1079	1004	93.0	973	90.2	816	75.6	819	75.9	520	491	94.4	477	91.7	559	513	91.8	496	88.7
Newport LA	1921	1827	95.1	1743	90.7	1471	76.6	1477	76.9	959	918	95.7	882	92.0	961	909	94.6	861	89.6
Torfaen LA	1136	1101	96.9	1053	92.7	846	74.5	847	74.6	550	531	96.5	512	93.1	586	570	97.3	541	92.3
Health Board Total	7045	6779	96.2	6536	92.8	5512	78.2	5525	78.4	3469	3363	96.9	3254	93.8	3575	3416	95.6	3282	91.8
<u>Betsi Cadwaladr University HB</u>																			
Anglesey LA	718	686	95.5	665	92.6	464	64.6	448	62.4	340	324	95.3	314	92.4	378	362	95.8	351	92.9
Conwy LA	1227	1157	94.3	1134	92.4	968	78.9	971	79.1	592	551	93.1	537	90.7	634	605	95.4	596	94.0
Denbighshire LA	1092	1051	96.2	1015	92.9	792	72.5	797	73.0	543	525	96.7	501	92.3	549	526	95.8	514	93.6
Flintshire LA	1692	1604	94.8	1548	91.5	825	48.8	825	48.8	826	776	93.9	749	90.7	866	828	95.6	799	92.3
Gwynedd LA	1355	1295	95.6	1255	92.6	981	72.4	969	71.5	679	654	96.3	628	92.5	676	641	94.8	627	92.8
Wrexham LA	1566	1512	96.6	1473	94.1	953	60.9	961	61.4	768	746	97.1	731	95.2	798	766	96.0	742	93.0
Health Board Total	7650	7305	95.5	7090	92.7	4983	65.1	4971	65.0	3748	3576	95.4	3460	92.3	3901	3728	95.6	3629	93.0
<u>Cardiff and Vale University HB</u>																			
Cardiff LA	4134	3882	93.9	3652	88.3	3144	76.1	3145	76.1	1990	1869	93.9	1751	88.0	2144	2013	93.9	1901	88.7
Vale of Glamorgan LA	1508	1445	95.8	1385	91.8	1266	84.0	1265	83.9	743	714	96.1	687	92.5	765	731	95.6	698	91.2
Health Board Total	5642	5327	94.4	5037	89.3	4410	78.2	4410	78.2	2733	2583	94.5	2438	89.2	2909	2744	94.3	2599	89.3
<u>Cwm Taf Morgannwg University HB</u>																			
Bridgend LA	1635	1555	95.1	1486	90.9	1432	87.6	1433	87.6	792	755	95.3	726	91.7	842	799	94.9	759	90.1
Merthyr Tydfil LA	702	668	95.2	645	91.9	618	88.0	618	88.0	324	306	94.4	292	90.1	378	362	95.8	353	93.4
Rhondda Cynon Taf LA	2868	2758	96.2	2668	93.0	2550	88.9	2556	89.1	1405	1356	96.5	1320	94.0	1463	1402	95.8	1348	92.1
Health Board Total	5205	4981	95.7	4799	92.2	4600	88.4	4607	88.5	2521	2417	95.9	2338	92.7	2683	2563	95.5	2460	91.7
<u>Hywel Dda University HB</u>																			
Cardemarthenshire LA	2114	1981	93.7	1930	91.3	1389	65.7	1396	66.0	1006	953	94.7	927	92.1	1108	1028	92.8	1003	90.5
Ceredigion LA	606	577	95.2	559	92.2	472	77.9	470	77.6	301	287	95.3	278	92.4	305	290	95.1	281	92.1
Pembrokeshire LA	1362	1279	93.9	1221	89.6	805	59.1	801	58.8	611	581	95.1	558	91.3	751	698	92.9	663	88.3
Health Board Total	4082	3837	94.0	3710	90.9	2666	65.3	2667	65.3	1918	1821	94.9	1763	91.9	2164	2016	93.2	1947	90.0
<u>Powys Teaching HB</u>																			
Health Board Total	1340	1251	93.4	1191	88.9	1103	82.3	1110	82.8	671	629	93.7	597	89.0	669	622	93.0	594	88.8
<u>Swansea Bay University HB</u>																			
Neath Port Talbot LA	1624	1568	96.6	1519	93.5	1337	82.3	1342	82.6	806	785	97.4	760	94.3	818	783	95.7	759	92.8
Swansea LA	2616	2500	95.6	2394	91.5	2025	77.4	2037	77.9	1231	1170	95.0	1127	91.6	1385	1330	96.0	1267	91.5
Health Board Total	4240	4068	95.9	3913	92.3	3362	79.3	3379	79.7	2037	1955	96.0	1887	92.6	2203	2113	95.9	2026	92.0
Unknown	75	70	93.3	69	92.0	59	78.7	59	78.7	31	30	96.8	30	96.8	44	40	90.9	39	88.6
Wales Total	35279	33618	95.3	32345	91.7	26695	75.7	26728	75.8	17128	16374	95.6	15767	92.1	18148	17242	95.0	16576	91.3

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 31/12/20, with breakdown of MMR1 and MMR2 coverage by sex

Area	Resident children		MMR1		MMR2		Teenage 3 in 1 booster ¹		MenACWY	Resident girls	MMR1 (girls)		MMR2 (girls)		Resident boys	MMR1 (boys)		MMR2 (boys)	
	(n)	(n)	(%)	(n)	(%)	(n)	(%)	(n)	(%)	(n)	(n)	(%)	(n)	(%)	(n)	(n)	(%)	(n)	(%)
<u>Aneurin Bevan University HB</u>																			
Blaenau Gwent LA	685	666	97.2	650	94.9	604	88.2	602	87.9	342	333	97.4	325	95.0	343	333	97.1	325	94.8
Caerphilly LA	2070	2019	97.5	1967	95.0	1797	86.8	1801	87.0	1010	991	98.1	968	95.8	1060	1028	97.0	999	94.2
Monmouthshire LA	1103	1037	94.0	1007	91.3	876	79.4	884	80.1	529	498	94.1	483	91.3	574	539	93.9	524	91.3
Newport LA	1911	1824	95.4	1755	91.8	1577	82.5	1585	82.9	951	910	95.7	880	92.5	957	912	95.3	875	91.4
Torfaen LA	1123	1092	97.2	1066	94.9	982	87.4	968	86.2	549	533	97.1	525	95.6	574	559	97.4	541	94.3
Health Board Total	6892	6638	96.3	6445	93.5	5836	84.7	5840	84.7	3381	3265	96.6	3181	94.1	3508	3371	96.1	3264	93.0
<u>Betsi Cadwaladr University HB</u>																			
Anglesey LA	713	671	94.1	651	91.3	578	81.1	574	80.5	346	327	94.5	317	91.6	367	344	93.7	334	91.0
Conwy LA	1175	1115	94.9	1082	92.1	1041	88.6	1049	89.3	539	514	95.4	501	92.9	636	601	94.5	581	91.4
Denbighshire LA	1111	1039	93.5	1000	90.0	912	82.1	920	82.8	535	502	93.8	483	90.3	576	537	93.2	517	89.8
Flintshire LA	1646	1562	94.9	1510	91.7	1367	83.0	1368	83.1	811	772	95.2	747	92.1	835	790	94.6	763	91.4
Gwynedd LA	1256	1213	96.6	1183	94.2	1098	87.4	1096	87.3	632	616	97.5	598	94.6	624	597	95.7	585	93.8
Wrexham LA	1502	1455	96.9	1412	94.0	1247	83.0	1253	83.4	738	714	96.7	687	93.1	764	741	97.0	725	94.9
Health Board Total	7403	7055	95.3	6838	92.4	6243	84.3	6260	84.6	3601	3445	95.7	3333	92.6	3802	3610	95.0	3505	92.2
<u>Cardiff and Vale University HB</u>																			
Cardiff LA	4023	3754	93.3	3549	88.2	3095	76.9	3086	76.7	1995	1875	94.0	1782	89.3	2027	1879	92.7	1767	87.2
Vale of Glamorgan LA	1516	1447	95.4	1381	91.1	1247	82.3	1247	82.3	762	722	94.8	688	90.3	753	725	96.3	693	92.0
Health Board Total	5539	5201	93.9	4930	89.0	4342	78.4	4333	78.2	2757	2597	94.2	2470	89.6	2780	2604	93.7	2460	88.5
<u>Cwm Taf Morgannwg University HB</u>																			
Bridgend LA	1696	1623	95.7	1553	91.6	1545	91.1	1551	91.5	794	764	96.2	737	92.8	902	859	95.2	816	90.5
Merthyr Tydfil LA	712	681	95.6	651	91.4	638	89.6	641	90.0	355	338	95.2	323	91.0	357	343	96.1	328	91.9
Rhondda Cynon Taf LA	2883	2766	95.9	2655	92.1	2654	92.1	2647	91.8	1403	1350	96.2	1302	92.8	1479	1416	95.7	1353	91.5
Health Board Total	5291	5070	95.8	4859	91.8	4837	91.4	4839	91.5	2552	2452	96.1	2362	92.6	2738	2618	95.6	2497	91.2
<u>Hywel Dda University HB</u>																			
Cardemarthenshire LA	2019	1921	95.1	1875	92.9	1787	88.5	1784	88.4	982	942	95.9	915	93.2	1037	979	94.4	960	92.6
Ceredigion LA	661	629	95.2	604	91.4	584	88.4	582	88.0	300	282	94.0	269	89.7	361	347	96.1	335	92.8
Pembrokeshire LA	1252	1202	96.0	1140	91.1	1060	84.7	1052	84.0	615	593	96.4	558	90.7	637	609	95.6	582	91.4
Health Board Total	3932	3752	95.4	3619	92.0	3431	87.3	3418	86.9	1897	1817	95.8	1742	91.8	2035	1935	95.1	1877	92.2
<u>Powys Teaching HB</u>																			
Health Board Total	1390	1303	93.7	1243	89.4	1224	88.1	1232	88.6	667	632	94.8	610	91.5	723	671	92.8	633	87.6
<u>Swansea Bay University HB</u>																			
Neath Port Talbot LA	1655	1581	95.5	1500	90.6	1525	92.1	1533	92.6	822	784	95.4	752	91.5	833	797	95.7	748	89.8
Swansea LA	2544	2388	93.9	2287	89.9	2327	91.5	2340	92.0	1178	1108	94.1	1058	89.8	1366	1280	93.7	1229	90.0
Health Board Total	4199	3969	94.5	3787	90.2	3852	91.7	3873	92.2	2000	1892	94.6	1810	90.5	2199	2077	94.5	1977	89.9
Unknown	91	84	92.3	82	90.1	76	83.5	74	81.3	45	41	91.1	40	88.9	46	43	93.5	42	91.3
Wales Total	34737	33072	95.2	31803	91.6	29841	85.9	29869	86.0	16900	16141	95.5	15548	92.0	17831	16929	94.9	16255	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 01/10/20 and 31/12/20 and resident on 31/12/20, with breakdown of MMR1 and MMR2 coverage by sex

Area	Resident children					Teenage 3 in 1 booster ¹				Resident girls					Resident boys				
	(n)	MMR1 (n)	MMR1 (%)	MMR2 (n)	MMR2 (%)	(n)	(%)	MenACWY (n)	(%)	(n)	MMR1 (girls) (n)	MMR1 (girls) (%)	MMR2 (girls) (n)	MMR2 (girls) (%)	(n)	MMR1 (boys) (n)	MMR1 (boys) (%)	MMR2 (boys) (n)	MMR2 (boys) (%)
<u>Aneurin Bevan University HB</u>	(n)	(n)	(%)	(n)	(%)	(n)	(%)	(n)	(%)	(n)	(n)	(%)	(n)	(%)	(n)	(n)	(%)	(n)	(%)
Blaenau Gwent LA	175	171	97.7	164	93.7	149	85.1	147	84.0	80	78	97.5	76	95.0	95	93	97.9	88	92.6
Caerphilly LA	475	464	97.7	451	94.9	422	88.8	422	88.8	242	239	98.8	233	96.3	233	225	96.6	218	93.6
Monmouthshire LA	318	299	94.0	289	90.9	251	78.9	256	80.5	157	148	94.3	142	90.4	161	151	93.8	147	91.3
Newport LA	515	493	95.7	479	93.0	420	81.6	422	81.9	241	234	97.1	228	94.6	273	258	94.5	251	91.9
Torfaen LA	295	285	96.6	276	93.6	255	86.4	251	85.1	127	122	96.1	120	94.5	168	163	97.0	156	92.9
Health Board Total	1778	1712	96.3	1659	93.3	1497	84.2	1498	84.3	847	821	96.9	799	94.3	930	890	95.7	860	92.5
<u>Betsi Cadwaladr University HB</u>																			
Anglesey LA	172	156	90.7	152	88.4	134	77.9	135	78.5	81	73	90.1	72	88.9	91	83	91.2	80	87.9
Conwy LA	310	291	93.9	279	90.0	272	87.7	275	88.7	143	136	95.1	132	92.3	167	155	92.8	147	88.0
Denbighshire LA	292	271	92.8	257	88.0	230	78.8	234	80.1	129	120	93.0	116	89.9	163	151	92.6	141	86.5
Flintshire LA	441	423	95.9	403	91.4	369	83.7	364	82.5	218	210	96.3	203	93.1	223	213	95.5	200	89.7
Gwynedd LA	306	290	94.8	279	91.2	256	83.7	256	83.7	158	152	96.2	145	91.8	148	138	93.2	134	90.5
Wrexham LA	390	382	97.9	372	95.4	323	82.8	323	82.8	185	182	98.4	177	95.7	205	200	97.6	195	95.1
Health Board Total	1911	1813	94.9	1742	91.2	1584	82.9	1587	83.0	914	873	95.5	845	92.5	997	940	94.3	897	90.0
<u>Cardiff and Vale University HB</u>																			
Cardiff LA	1019	946	92.8	896	87.9	789	77.4	788	77.3	509	478	93.9	452	88.8	510	468	91.8	444	87.1
Vale of Glamorgan LA	391	373	95.4	356	91.0	319	81.6	317	81.1	189	178	94.2	172	91.0	202	195	96.5	184	91.1
Health Board Total	1410	1319	93.5	1252	88.8	1108	78.6	1105	78.4	698	656	94.0	624	89.4	712	663	93.1	628	88.2
<u>Cwm Taf Morgannwg University HB</u>																			
Bridgend LA	443	426	96.2	407	91.9	403	91.0	406	91.6	218	210	96.3	203	93.1	225	216	96.0	204	90.7
Merthyr Tydfil LA	191	184	96.3	178	93.2	172	90.1	173	90.6	84	79	94.0	75	89.3	107	105	98.1	103	96.3
Rhondda Cynon Taf LA	721	688	95.4	659	91.4	659	91.4	657	91.1	365	350	95.9	337	92.3	355	338	95.2	322	90.7
Health Board Total	1355	1298	95.8	1244	91.8	1234	91.1	1236	91.2	667	639	95.8	615	92.2	687	659	95.9	629	91.6
<u>Hywel Dda University HB</u>																			
Carmarthenshire LA	510	484	94.9	467	91.6	440	86.3	438	85.9	252	240	95.2	231	91.7	258	244	94.6	236	91.5
Ceredigion LA	154	146	94.8	143	92.9	141	91.6	141	91.6	67	60	89.6	59	88.1	87	86	98.9	84	96.6
Pembrokeshire LA	309	294	95.1	279	90.3	260	84.1	257	83.2	147	142	96.6	134	91.2	162	152	93.8	145	89.5
Health Board Total	973	924	95.0	889	91.4	841	86.4	836	85.9	466	442	94.8	424	91.0	507	482	95.1	465	91.7
<u>Powys Teaching HB</u>																			
Health Board Total	364	343	94.2	323	88.7	317	87.1	320	87.9	178	171	96.1	165	92.7	186	172	92.5	158	84.9
<u>Swansea Bay University HB</u>																			
Neath Port Talbot LA	422	405	96.0	380	90.0	391	92.7	392	92.9	212	205	96.7	195	92.0	210	200	95.2	185	88.1
Swansea LA	690	646	93.6	622	90.1	636	92.2	637	92.3	317	299	94.3	285	89.9	373	347	93.0	337	90.3
Health Board Total	1112	1051	94.5	1002	90.1	1027	92.4	1029	92.5	529	504	95.3	480	90.7	583	547	93.8	522	89.5
Unknown	22	20	90.9	20	90.9	18	81.8	18	81.8	12	10	83.3	10	83.3	10	10	100.0	10	100.0
Wales Total	8925	8480	95.0	8131	91.1	7626	85.4	7629	85.5	4311	4116	95.5	3962	91.9	4612	4363	94.6	4169	90.4

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 01/10/20 and 31/12/20 and resident on 31/12/20.¹

Area	1 yr			2 yrs			5 yrs			16 yrs		
	Resident children	BCG Immunised		Resident children	BCG Immunised		Resident children	BCG Immunised		Resident children	BCG Immunised	
<u>Aneurin Bevan University HB</u>	(n)	(n)	(%)	(n)	(n)	(%)	(n)	(n)	(%)	(n)	(n)	(%)
Blaenau Gwent LA	184	5	2.7	183	3	1.6	191	4	2.1	175	3	1.7
Caerphilly LA	437	11	2.5	464	8	1.7	546	16	2.9	475	6	1.3
Monmouthshire LA	189	6	3.2	191	10	5.2	210	9	4.3	318	18	5.7
Newport LA	486	74	15.2	524	94	17.9	567	78	13.8	515	62	12.0
Torfaen LA	238	5	2.1	241	8	3.3	275	4	1.5	295	7	2.4
Health Board Total	1534	101	6.6	1603	123	7.7	1789	111	6.2	1778	96	5.4
<u>Betsi Cadwaladr University HB</u>												
Anglesey LA	133	2	1.5	155	2	1.3	178	8	4.5	172	4	2.3
Conwy LA	245	16	6.5	230	4	1.7	312	8	2.6	310	12	3.9
Denbighshire LA	222	7	3.2	246	11	4.5	257	10	3.9	292	17	5.8
Flintshire LA	340	25	7.4	401	24	6.0	403	21	5.2	441	18	4.1
Gwynedd LA	262	9	3.4	271	12	4.4	317	16	5.0	306	12	3.9
Wrexham LA	343	25	7.3	335	19	5.7	386	33	8.5	390	22	5.6
Health Board Total	1545	84	5.4	1638	72	4.4	1853	96	5.2	1911	85	4.4
<u>Cardiff and Vale University HB</u>												
Cardiff LA	941	104	11.1	962	55	5.7	1097	207	18.9	1019	175	17.2
Vale of Glamorgan LA	309	9	2.9	325	3	0.9	414	21	5.1	391	25	6.4
Health Board Total	1250	113	9.0	1287	58	4.5	1511	228	15.1	1410	200	14.2
<u>Cwm Taf Morgannwg Univeristy HB</u>												
Bridgend LA	356	8	2.2	363	9	2.5	396	13	3.3	443	8	1.8
Merthyr Tydfil LA	161	11	6.8	154	13	8.4	167	12	7.2	191	2	1.0
Rhondda Cynon Taf LA	601	11	1.8	621	9	1.4	656	26	4.0	721	11	1.5
Health Board Total	1118	30	2.7	1138	31	2.7	1219	51	4.2	1355	21	1.5
<u>Hywel Dda University HB</u>												
Cardmarthenshire LA	415	11	2.7	484	7	1.4	482	17	3.5	510	13	2.5
Ceredigion LA	141	2	1.4	125	3	2.4	145	7	4.8	154	7	4.5
Pembrokeshire LA	231	2	0.9	254	10	3.9	306	14	4.6	309	3	1.0
Health Board Total	787	15	1.9	863	20	2.3	933	38	4.1	973	23	2.4
<u>Powys Teaching Health Board</u>												
Health Board Total	240	7	2.9	263	7	2.7	275	7	2.5	364	12	3.3
<u>Swansea Bay University HB</u>												
Neath Port Talbot LA	319	11	3.4	377	8	2.1	386	11	2.8	422	11	2.6
Swansea LA	553	53	9.6	563	55	9.8	623	70	11.2	690	51	7.4
Health Board Total	872	64	7.3	940	63	6.7	1009	81	8.0	1112	62	5.6
Unknown	0	0	0.0	10	0	0.0	7	0	0.0	22	0	0.0
Wales Total	7355	415	5.6	7742	374	4.8	8596	612	7.1	8925	499	5.6

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 01/10/20 and 31/12/20 and resident on 31/12/20, 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
	(n)	(n)	(%)	(%)	(%)	(n)	(n)	(%)	(%)	(%)	(%)	(n)	(n)	(%)	(%)	(%)	(%)
Aneurin Bevan UHB	1550	3	100.0	100.0	100.0	1518	5	100.0	100.0	100.0	-	1711	0	-	-	-	-
Betsi Cadwaladr UHB	1583	2	100.0	100.0	100.0	1712	2	100.0	100.0	100.0	100.0	1805	2	100.0	100.0	100.0	100.0
Cardiff and Vale UHB	1186	7	100.0	100.0	85.7	1313	3	100.0	100.0	100.0	66.7	1457	6	100.0	100.0	100.0	83.3
Cwm Taf Morgannwg UHB	1080	1	100.0	100.0	100.0	1172	1	100.0	100.0	100.0	100.0	1258	0	-	-	-	-
Hywel Dda UHB	802	0	-	-	-	831	0	-	-	-	-	993	1	100.0	100.0	100.0	100.0
Powys Teaching HB	268	0	-	-	-	297	0	-	-	-	-	344	0	-	-	-	-
Swansea Bay UHB	862	0	-	-	-	922	1	100.0	100.0	100.0	100.0	1025	1	100.0	100.0	100.0	100.0
Unknown	6	0	-	-	-	6	0	-	-	-	-	5	1	100.0	100.0	100.0	100.0
Wales Total	7337	13	100.0	100.0	92.3	7771	12	100.0	100.0	100.0	50.0	8598	11	100.0	100.0	100.0	90.9

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.