

Vaccine Uptake in Children in Wales

April to June 2020

COVER 135: Wales August 2020

Key points

- For children at one year of age in Wales, uptake of all routine immunisations, apart from rotavirus, remained above 95% this quarter. Uptake of three doses of the “6 in 1” vaccine was 96.2% this quarter and was 95% or higher in all of the seven Health Boards (HB) and in 20 of the 22 Local Authority (LA) areas.
- Uptake of the complete three-dose course of MenB vaccine in two year olds was 94.8% this quarter. Four HBs and 13 LA areas had an uptake above 95%.
- Uptake of the first dose of MMR vaccine in two year old children was 95.5% this quarter. Five HBs and 17 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 88.8% this quarter and was 90.9% in five year olds.
- Uptake of one dose of HPV vaccine in the 2019-20 school year 8 children (12-13 year olds) is currently 38.4%, 40.8% for girls and 36.3% for boys, and will increase as paused vaccination sessions are re-started in schools. This is the first HPV cohort to include boys.
- Uptake of routine MenACWY vaccine in the 2019-20 school year 9 cohort is 63.4%, this will increase as vaccination sessions are re-started in schools. Coverage of the MenACWY vaccine in the 2019-20 school year 10 cohort is 85.8%.
- Uptake of the Td/IPV teenage booster in the 2019-20 school year 9 cohort is 63.5%. Coverage of the Td/IPV teenage booster in the 2019-20 school year 10 is 85.7%.
- Coverage of one dose of MMR vaccine in the 2019-20 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 2019-20 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 June 2020 and reaching their first, second, fourth, fifth and 16th birthdays during the quarter 01/04/2020 to 30/06/2020. 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 01/09/2019 and 31/08/2020). 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>

Public Health Wales Vaccine Preventable Disease Programme and Communicable Disease Surveillance Centre, working with Powys Teaching Health Board and the NHS Wales Informatics Service, carried out a COVER data quality assurance project in 2018. This project led to improvements in completeness of vaccination data in the national COVER dataset. The impact is that reported vaccination uptake has increased; primarily in children aged four years and older. National trends in this report for 2015 – 2018 are updated to take into account these changes.

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 96.2% this quarter, compared to 96.0% last quarter. Uptake ranged by HB from 95.1% (Cardiff and Vale) to 97.7% (Cwm Taf) and by LA from 94.1% (Denbighshire) to 100.0% (Anglesey). All HBs and 20 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 was 96.1% this quarter, stable compared to 96.2% last quarter. Uptake ranged by LA from 92.9% (Denbighshire) to 99.2% (Anglesey). All HBs and 18 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 96.2% this quarter. Uptake in HBs ranged from 95.2% (Cardiff and Vale) to 97.8% (Cwm Taf) and ranged by LA from 94.4% (Flintshire) to 100.0% (Anglesey) (Figure 3, Tables 2 and 3).
4. Uptake of two doses of rotavirus vaccine in children reaching their first birthday increased to 94.8% this quarter, compared to 94.4% last quarter. Uptake in HBs ranged from 93.1% (Cardiff and Vale) to 96.9% (Swansea Bay) and ranged by LA from 91.6% (Newport) to 98.5% (Anglesey) (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 95.5% this quarter compared to 95.1% last quarter. Uptake ranged by HB from 93.9% (Hywel Dda) to 96.7% (Cwm Taf) and by LA area from 92.1% (Neath Port Talbot) to 97.6% (Blaenau Gwent). Five HBs and 17 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 94.8% this quarter compared to 94.4% last quarter. Uptake ranged by HB from 93.1% (Cardiff and Vale and Hywel Dda) to 97.0% (Powys Teaching) and by LA from 92.1% (Neath Port Talbot) to 97.6% (Blaenau Gwent). Four of the seven HBs and 13 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 95.5% this quarter compared to 95.2% last quarter. Uptake ranged by HB from 93.7% (Hywel Dda) to 97.3% (Powys Teaching) and ranged by LA from 92.4% (Neath Port Talbot) to 98.2% (Blaenau Gwent). Four HBs and 17 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 increased to 95.0% this quarter compared to 94.6% last quarter. Uptake ranged by HB from 93.0% (Hywel Dda) to 96.4% (Cwm Taf), and ranged by LA from 91.1% (Pembrokeshire) to 98.2% (Blaenau Gwent). Four HBs and 14 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 89.9%
 - The Hib/MenC booster was 96.0%
 - Two doses of MMR was 89.6%

The proportion of children who were up to date with all these routine immunisations at four years of age was 88.8%. This ranged by HB from 86.0% (Cardiff and Vale) to 91.9% (Cwm

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.

Taf) and by LA from 83.9% (Newport) to 94.1% (Gwynedd) (Figures 4 and 5, Tables 1, 2 and 5).

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 88.3% (Hywel Dda) to 93.0% (Powys Teaching) (Table 6).
11. In children reaching five years of age this quarter, coverage of one dose of MMR was 96.9%. Coverage of two doses of MMR was 92.4%. Coverage of two doses of MMR ranged by HB from 90.3% (Hywel Dda) to 94.2% (Powys) and by LA from 89.3% (Pembrokeshire) to 98.2% (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 increased to 93.2% this quarter compared to 92.8% last quarter, ranging by HB from 90.8% (Hywel Dda) to 95.1% (Powys Teaching) and by LA from 90.0% (Pembrokeshire) to 97.5% (Anglesey). Seven 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 2019-20 school year 8 group (turning 13 years of age during 01/09/19 to 31/08/20) increased to 38.4% this quarter compared to 29.6% last quarter. Uptake is currently 40.8% for girls and 36.3% for boys. This is the third time uptake has been reported for boys after the extension of the HPV vaccination programme (Table 8) [1]. Timings of school vaccination sessions vary throughout the year and uptake will increase as paused vaccination sessions are re-started in schools following COVID-19 measures.
14. Coverage of the first dose of HPV vaccine in 2019-20 school year 9 girls is currently 88.2% and uptake of the second dose in this age group is currently 37.9%. Coverage of a complete two dose course of HPV vaccine in 2019-20 school year 10 girls (girls reaching their 15th birthday during 01/09/19 to 31/08/20) is currently 84.2% (Table 9).
15. Current uptake of the MenACWY vaccine in the 2019-20 routine school year 9 cohort is 63.4% and will increase as vaccination sessions are re-started in schools (Table 10 and 11). Coverage in the 2019-20 school years 10, 11 and 12, is currently 85.8%, 86.3% and 85.3% respectively (Table 10).
16. Uptake of the Td/IPV⁴ teenage booster in the 2019-20 school year 9 (children reaching 14 years of age) is currently 63.5%. Coverage of two doses of MMR in this year group is currently 91.6% and coverage of one dose is 95.3%. Coverage of two doses of MMR vaccine ranged by HB from 89.2% (Cardiff and Vale) to 92.9% (Aneurin Bevan). Coverage of a full course of immunisation against rubella (two doses of MMR) in 14 year old girls in this school year group was 92.0% (Table 11).
17. Coverage of the Td/IPV teenage booster in the 2019-20 school year 10 (children reaching 15 years of age) is currently 85.7%. Coverage ranged by HB from 78.2% (Cardiff and Vale) to 91.9% (Swansea Bay). 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 89.5% (Cardiff and Vale) to 93.7% (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 2019-20 school year 11 (children reaching 16 years of age) is currently 86.1%. Coverage ranged by HB from 79.2% (Cardiff and Vale) to 90.5% (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 88.3% (Cardiff & Vale) to 93.4% (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).

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.

19. Coverage of two doses of MMR in children reaching 16 years of age this quarter (between 1st April 2020 and 30th June 2020) was 92.1%, whilst coverage of one dose of MMR was 95.2%. Coverage of a full course of immunisation against rubella (two doses of MMR) in 16 year old girls was 92.3%. National coverage of the Td/IPV teenage booster in children reaching 16 years of age this quarter was 85.8% (Figures 1, 2 and 3, Tables 2 and 14).
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 4.6%, 5.8%, 7.1% and 5.4% of children reaching their first, second, fifth and 16th birthdays (respectively) during quarter two of 2020. This quarter Newport LA had the highest proportion of children given BCG by one year of age (16.2%) and by two years of age (21.4%).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 100.0%, uptake of four doses⁶ at their second birthday was 66.7% and uptake of four doses at their fifth birthday was 81.8%. 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

For the quarter April to June 2020 childhood vaccine uptake remained steady or rising across all key age groups. Uptake of the complete three-dose course of “6 in 1” vaccine remains above 95%. Uptake of all other routine primary immunisations in infants reaching their first birthday this quarter also remain at 95% or higher, excluding rotavirus which was just below. Rotavirus vaccine cannot be given beyond 24 weeks of age, so is not possible to ‘catch up’.

Uptake of immunisations in two year olds continues on a positive trend. Uptake of the first MMR dose in two years olds increased again this quarter to 95.5%, this is the second consecutive quarter uptake has been over 95%. Uptake of the third scheduled dose of meningococcal group B was 94.8%, the highest reported uptake since this vaccination was introduced. Uptake of Hib/MenC vaccine reached the 95% target for the first time since 2016 Q2.

The proportion of children who were up to date with their routine immunisations by four years of age decreased slightly compared to last quarter. However, three out of the seven health boards reported uptake of over 90%, which is the most since this measure was first reported on.

Continuation of childhood immunisation programmes has been essential during the coronavirus pandemic. 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 four months is similar to before the pandemic, although the majority of the immunisation in the cohorts reported here would have been completed before COVID-19 epidemic control measures were introduced in March 2020.

School immunisation sessions for older children were suspended on 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. Current uptake of vaccinations due in 2019-20 School Year 14 are low compared the 2018-19 School Year 14 at the same time last year [3];

- Td/IPV 63.5% compared to 83.8%
- MenACWY 63.4% compared to 83.9%
- HPV Dose 2 (girls only) 37.9% compared to 81.2%

This is the third quarterly report to include uptake of HPV vaccine in 2019-20 School Year 13 boys following the extension of the HPV vaccination programme in September 2019 [1]. Uptake of HPV dose one in this group is currently 36.3%. Uptake of one dose of HPV vaccine in 2019-20 School Year 13 girls is currently 40.8%, compared to 85.5% for one dose in 2018-19 School Year 13 girls at the same time last year. Catch up of these immunisations will be important for the 2019-20 School Year 13 and 14 children over the next academic year.

Most COVID-19 lockdown measures were lifted in Wales on 3rd August [4]. There continues to be infrequent notifications of vaccine preventable disease to Public Health Wales Health Protection Teams [5], this will continue to be monitored closely as further measures are eased and international travel resumes.

References

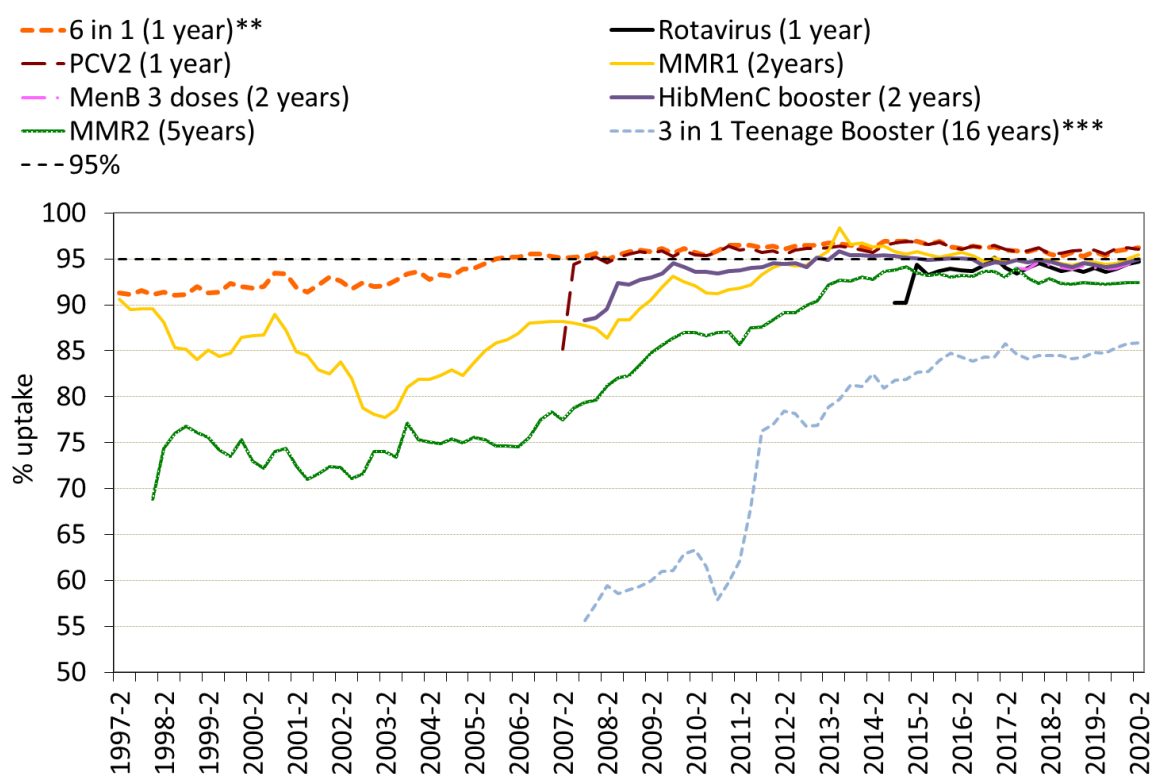
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Report prepared by Public Health Wales Vaccine Preventable Disease Programme and Communicable Disease Surveillance Centre.

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 2 2020*.

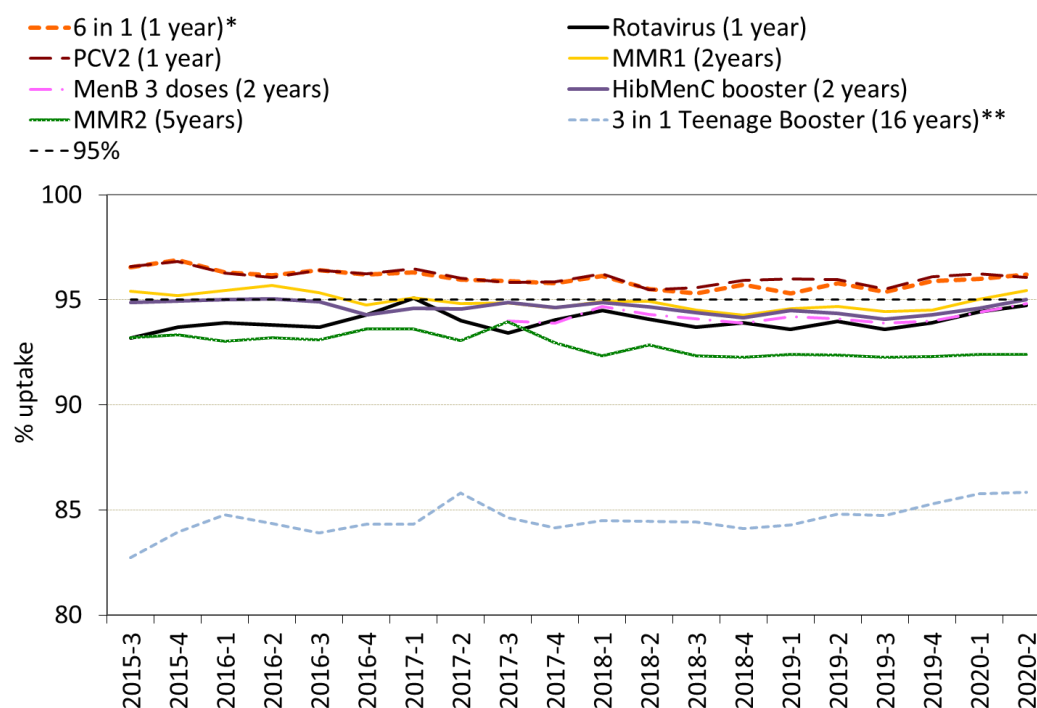


*Uptake data for quarter 3 2014 to quarter 4 2014 presented here are based on estimates calculated in August 2015, rather than published data, due to data quality problems affecting reported uptake of some immunisations in reports published during this period.

**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 3 2015 to quarter 2 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 01/04/20 and 30/06/20 and resident on 30/06/20.

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Figure 4. Percentage uptake of resident children reaching their 4th birthday between 01/04/20 and 30/06/20 and are up to date with all scheduled vaccines⁷ by health board.

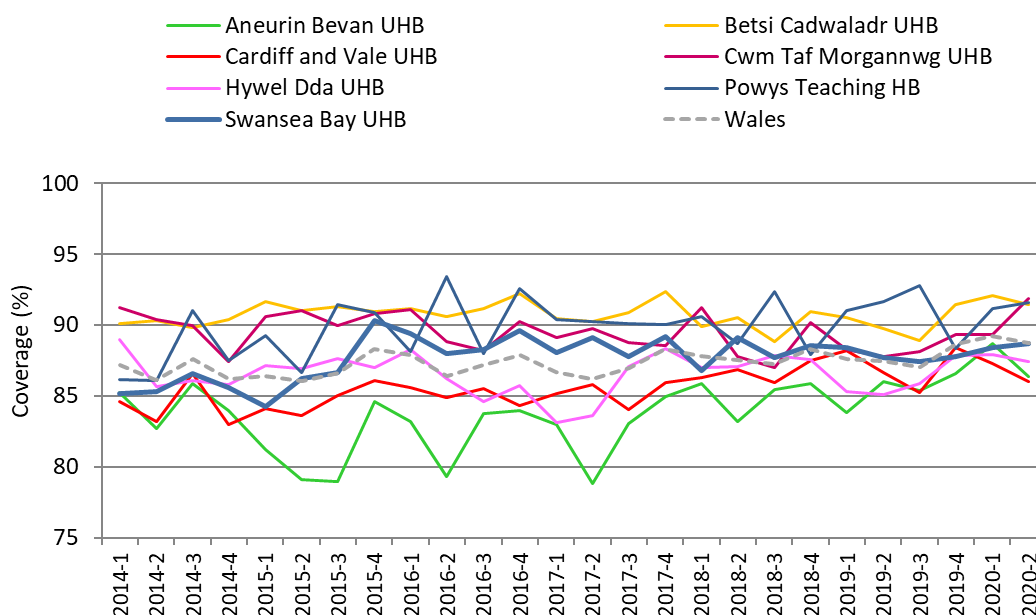


Table 1. Percentages of resident children reaching their 4th birthday during quarter 2 2019 to quarter 2 2020 who are up to date with all scheduled vaccines⁷, by Health Board.

Area					
	2019-2	2019-3	2019-4	2020-1	2020-2
Aneurin Bevan UHB	86.0	85.8	86.6	88.7	86.4
Betsi Cadwaladr UHB	89.7	89.4	91.4	92.1	91.5
Cardiff and Vale UHB	86.6	85.7	88.4	87.3	86.0
Cwm Taf Morgannwg UHB	87.8	88.4	89.3	89.4	91.9
Hywel Dda UHB	85.1	86.1	87.8	87.9	87.4
Powys Teaching HB	91.6	92.4	88.3	91.2	91.6
Swansea Bay UHB	87.7	88.0	87.8	88.4	88.7
Wales	87.5	87.4	88.7	89.2	88.8

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 2 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 01/04/20 and 30/06/20.

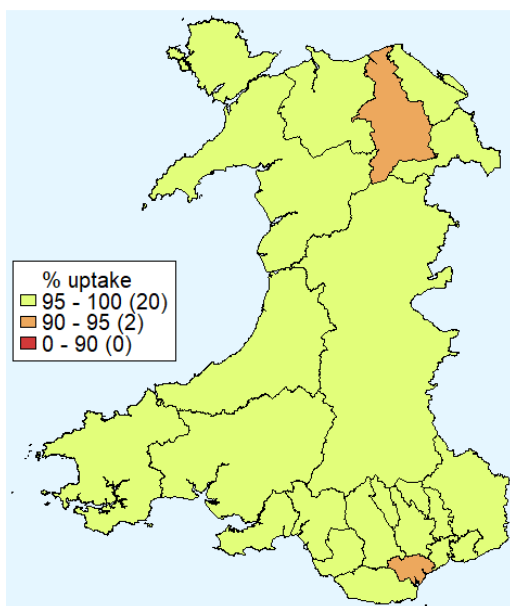


Figure 7. Uptake of at least one dose of MMR immunisation in Welsh Local Authority areas in children reaching their 2nd birthday between 01/04/20 and 30/06/20.

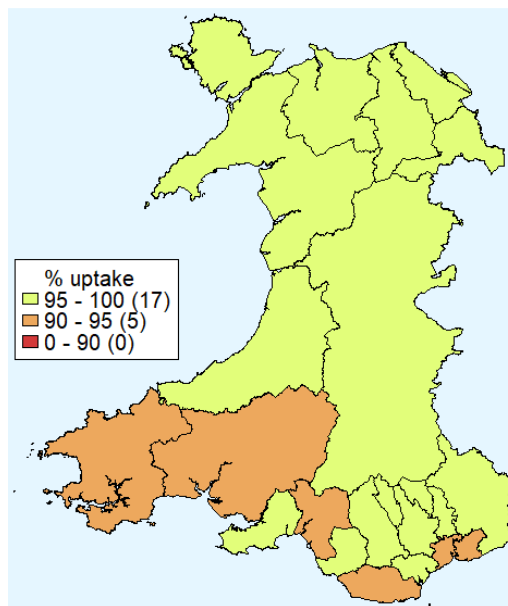


Figure 8. Uptake of two doses of MMR vaccine in Welsh Local Authority areas in children reaching their 5th birthday between 01/04/20 and 30/06/20.

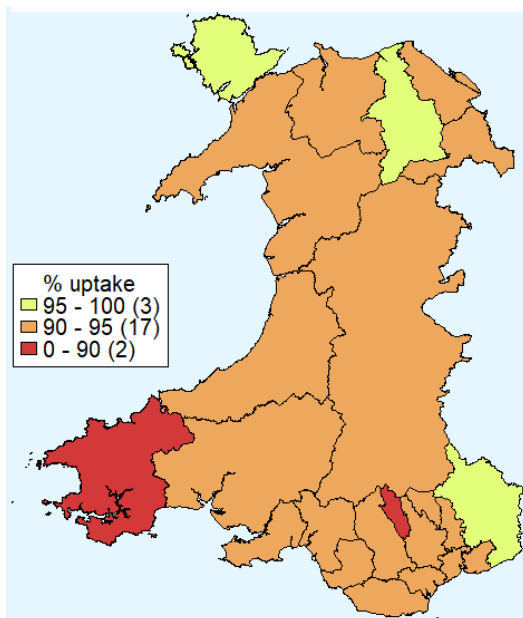


Figure 9. Uptake of “4 in 1” vaccine in Welsh Local Authority areas in children reaching their 5th birthday between 01/04/20 and 30/06/20.

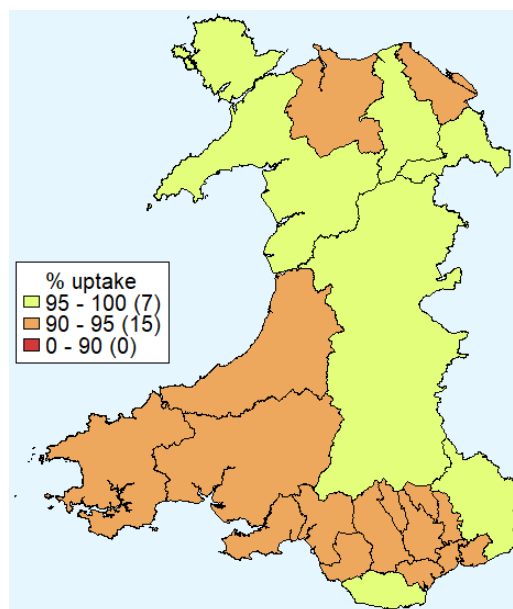


Table 2. Summary table with uptake of selected immunisations in resident children reaching their 1st, 2nd, 4th, 5th and 16th birthday between 01/04/20 and 30/06/20 and resident on 30/06/20.

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	PCV3 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	200	95.5	97.0	97.0	95.0	164	97.6	98.2	97.6	98.2	197	87.8	169	92.3	92.3	157	99.4	98.7	89.2	89.2
Caerphilly LA	419	97.1	97.4	97.4	96.9	473	95.3	95.8	95.8	95.3	495	86.5	503	94.6	94.8	553	96.7	94.8	86.1	86.3
Monmouthshire LA	190	96.8	96.8	96.8	96.3	201	97.5	97.0	97.0	97.0	206	87.9	238	95.0	97.1	290	94.1	90.7	79.3	79.3
Newport LA	474	95.4	95.4	94.3	91.6	440	94.5	95.0	94.5	94.5	509	83.9	510	90.4	91.6	482	94.6	92.9	77.2	77.6
Torfaen LA	267	97.4	97.8	97.8	94.8	240	95.0	95.4	95.0	95.0	258	88.8	291	91.8	92.4	235	97.4	94.9	90.6	91.5
Health Board Total	1550	96.4	96.7	96.4	94.6	1518	95.6	95.9	95.7	95.6	1665	86.4	1711	92.7	93.5	1717	96.0	93.9	83.3	83.6
Betsi Cadwaladr UHB																				
Anglesey LA	131	100.0	100.0	99.2	98.5	176	96.6	96.6	96.0	96.6	192	92.7	163	98.2	97.5	181	97.8	95.6	84.0	82.3
Conwy LA	275	95.6	95.3	94.9	93.8	287	95.1	95.8	94.4	94.4	235	89.8	278	90.6	91.4	292	95.2	90.4	89.0	89.0
Denbighshire LA	254	94.1	94.5	92.9	92.9	245	95.5	95.5	94.7	95.1	273	91.6	281	95.0	95.7	243	95.5	92.6	90.1	89.3
Flintshire LA	340	95.6	94.4	95.6	94.7	372	96.2	96.5	96.0	96.0	400	90.5	421	93.3	93.6	424	96.2	94.6	88.2	86.8
Gwynedd LA	269	96.7	95.5	97.0	94.8	279	95.3	96.1	95.7	95.7	304	94.1	269	93.7	95.2	294	96.3	95.2	89.1	89.1
Wrexham LA	314	95.2	94.9	95.2	93.9	353	96.9	97.2	95.8	96.6	374	90.6	393	94.1	95.4	343	98.0	96.8	88.9	87.8
Health Board Total	1583	95.8	95.3	95.5	94.4	1712	96.0	96.3	95.4	95.7	1778	91.5	1805	93.9	94.6	1777	96.5	94.3	88.5	87.6
Cardiff and Vale UHB																				
Cardiff LA	896	94.4	95.0	94.5	92.2	961	95.3	94.6	92.9	94.5	1101	85.3	1068	91.9	91.9	932	93.9	89.7	76.9	77.0
Vale of Glamorgan LA	290	97.2	95.9	96.6	95.9	352	94.6	93.5	93.8	93.2	384	88.0	389	94.1	95.6	364	93.7	89.3	83.5	83.5
Health Board Total	1186	95.1	95.2	95.0	93.1	1313	95.1	94.3	93.1	94.1	1485	86.0	1457	92.5	92.9	1296	93.8	89.6	78.8	78.9
Cwm Taf Morgannwg UHB																				
Bridgend LA	324	97.2	96.6	96.6	95.1	357	96.9	96.6	95.5	95.0	412	90.3	377	90.2	91.5	408	94.1	87.3	83.8	82.6
Merthyr Tydfil LA	154	96.8	97.4	97.4	95.5	161	96.3	96.9	95.7	96.9	161	93.8	199	89.4	90.5	171	94.7	91.8	90.6	90.6
Rhondda Cynon Taf LA	602	98.2	98.5	98.0	97.0	654	96.6	97.1	97.1	97.1	672	92.4	682	94.1	94.9	643	96.7	93.3	91.1	91.3
Health Board Total	1080	97.7	97.8	97.5	96.2	1172	96.7	96.9	96.4	96.4	1245	91.9	1258	92.2	93.2	1222	95.6	91.1	88.6	88.3
Hywel Dda UHB																				
Cardemarthenshire LA	420	95.7	95.0	95.2	94.3	410	94.4	93.9	92.9	93.4	495	87.3	497	90.1	90.7	480	93.8	91.0	88.3	88.3
Ceredigion LA	132	97.7	97.0	97.7	94.7	150	95.3	95.3	95.3	95.3	146	92.5	187	92.5	92.5	165	95.8	93.3	87.9	87.9
Pembrokeshire LA	250	95.6	95.6	95.6	93.6	271	92.3	92.6	92.3	91.1	304	85.2	309	89.3	90.0	289	94.1	90.0	82.7	83.0
Health Board Total	802	96.0	95.5	95.8	94.1	831	93.9	93.7	93.1	93.0	945	87.4	993	90.3	90.8	934	94.2	91.1	86.5	86.6
Powys Teaching UHB																				
Health Board Total	268	96.6	96.6	96.3	94.8	297	96.6	97.3	97.0	96.3	310	91.6	344	94.2	95.1	299	92.3	88.0	90.3	90.0
Swansea Bay UHB																				
Neath Port Talbot LA	319	95.9	96.6	95.6	95.6	331	92.1	92.4	92.1	91.5	410	88.0	380	91.8	92.6	388	96.1	92.5	91.8	89.9
Swansea LA	543	96.9	96.9	96.9	97.6	591	95.6	95.1	94.2	94.8	601	89.2	645	90.2	91.9	634	94.5	91.6	91.5	91.5
Health Board Total	862	96.5	96.8	96.4	96.9	922	94.4	94.1	93.5	93.6	1011	88.7	1025	90.8	92.2	1022	95.1	92.0	91.6	90.9
Unknown	6	83.3	83.3	83.3	66.7	6	83.3	83.3	83.3	83.3	4	50.0	5	100.0	100.0	25	84.0	80.0	64.0	64.0
Wales Total	7337	96.2	96.2	96.1	94.8	7771	95.5	95.5	94.8	95.0	8443	88.8	8598	92.4	93.2	8292	95.2	92.1	86.1	85.8

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 01/04/20 and 30/06/20 and resident on 30/06/20.

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	200	191	95.5	191	95.5	191	95.5	191	95.5	191	95.5	193	96.5	0	0.0	190	95.0	194	97.0	194	97.0	0	0.0
Caerphilly LA	419	407	97.1	407	97.1	407	97.1	407	97.1	407	97.1	406	96.9	0	0.0	406	96.9	408	97.4	408	97.4	0	0.0
Monmouthshire LA	190	184	96.8	184	96.8	184	96.8	184	96.8	184	96.8	184	96.8	1	0.5	183	96.3	184	96.8	184	96.8	1	0.5
Newport LA	474	452	95.4	452	95.4	452	95.4	452	95.4	452	95.4	452	95.4	3	0.6	434	91.6	447	94.3	452	95.4	2	0.4
Torfaen LA	267	260	97.4	260	97.4	260	97.4	260	97.4	260	97.4	260	97.4	0	0.0	253	94.8	261	97.8	261	97.8	0	0.0
Health Board Total	1550	1494	96.4	1494	96.4	1494	96.4	1494	96.4	1494	96.4	1495	96.5	4	0.3	1466	94.6	1494	96.4	1499	96.7	3	0.2
<u>Betsi Cadwaladr University HB</u>																							
Anglesey LA	131	131	100.0	131	100.0	131	100.0	131	100.0	131	100.0	131	100.0	1	0.8	129	98.5	130	99.2	131	100.0	0	0.0
Conwy LA	275	263	95.6	263	95.6	263	95.6	263	95.6	263	95.6	263	95.6	1	0.4	258	93.8	261	94.9	262	95.3	0	0.0
Denbighshire LA	254	239	94.1	239	94.1	239	94.1	239	94.1	239	94.1	239	94.1	0	0.0	236	92.9	236	92.9	240	94.5	0	0.0
Flintshire LA	340	325	95.6	325	95.6	325	95.6	325	95.6	325	95.6	326	95.9	0	0.0	322	94.7	325	95.6	321	94.4	0	0.0
Gwynedd LA	269	260	96.7	260	96.7	260	96.7	260	96.7	260	96.7	262	97.4	5	1.9	255	94.8	261	97.0	257	95.5	5	1.9
Wrexham LA	314	299	95.2	299	95.2	299	95.2	299	95.2	299	95.2	299	95.2	1	0.3	295	93.9	299	95.2	298	94.9	1	0.3
Health Board Total	1583	1517	95.8	1517	95.8	1517	95.8	1517	95.8	1517	95.8	1520	96.0	8	0.5	1495	94.4	1512	95.5	1509	95.3	6	0.4
<u>Cardiff and Vale University HB</u>																							
Cardiff LA	896	846	94.4	846	94.4	846	94.4	846	94.4	846	94.4	846	94.4	6	0.7	826	92.2	847	94.5	851	95.0	2	0.2
Vale of Glamorgan LA	290	282	97.2	282	97.2	282	97.2	281	96.9	281	96.9	280	96.6	4	1.4	278	95.9	280	96.6	278	95.9	4	1.4
Health Board Total	1186	1128	95.1	1128	95.1	1128	95.1	1127	95.0	1127	95.0	1126	94.9	10	0.8	1104	93.1	1127	95.0	1129	95.2	6	0.5
<u>Cwm Taf Morgannwg University HB</u>																							
Bridgend LA	324	315	97.2	315	97.2	315	97.2	315	97.2	315	97.2	315	97.2	0	0.0	308	95.1	313	96.6	313	96.6	0	0.0
Merthyr Tydfil LA	154	149	96.8	149	96.8	149	96.8	149	96.8	149	96.8	149	96.8	0	0.0	147	95.5	150	97.4	150	97.4	0	0.0
Rhondda Cynon Taf LA	602	591	98.2	591	98.2	591	98.2	591	98.2	591	98.2	591	98.2	0	0.0	584	97.0	590	98.0	593	98.5	0	0.0
Health Board Total	1080	1055	97.7	1055	97.7	1055	97.7	1055	97.7	1055	97.7	1055	97.7	0	0.0	1039	96.2	1053	97.5	1056	97.8	0	0.0
<u>Hwyl Dda University HB</u>																							
Carmarthenshire LA	420	402	95.7	402	95.7	402	95.7	402	95.7	402	95.7	402	95.7	1	0.2	396	94.3	400	95.2	399	95.0	1	0.2
Ceredigion LA	132	129	97.7	129	97.7	129	97.7	129	97.7	129	97.7	128	97.0	0	0.0	125	94.7	129	97.7	128	97.0	0	0.0
Pembrokeshire LA	250	239	95.6	239	95.6	239	95.6	239	95.6	239	95.6	239	95.6	0	0.0	234	93.6	239	95.6	239	95.6	0	0.0
Health Board Total	802	770	96.0	770	96.0	770	96.0	770	96.0	770	96.0	769	95.9	1	0.1	755	94.1	768	95.8	766	95.5	1	0.1
<u>Powys Teaching HB</u>																							
Health Board Total	268	259	96.6	259	96.6	259	96.6	259	96.6	259	96.6	258	96.3	1	0.4	254	94.8	258	96.3	259	96.6	0	0.0
<u>Swansea Bay University HB</u>																							
Neath Port Talbot LA	319	306	95.9	306	95.9	306	95.9	306	95.9	306	95.9	306	95.9	1	0.3	305	95.6	305	95.6	308	96.6	1	0.3
Swansea LA	543	526	96.9	526	96.9	526	96.9	526	96.9	526	96.9	526	96.9	0	0.0	530	97.6	526	96.9	526	96.9	0	0.0
Health Board Total	862	832	96.5	832	96.5	832	96.5	832	96.5	832	96.5	832	96.5	1	0.1	835	96.9	831	96.4	834	96.8	1	0.1
Unknown	6	5	83.3	5	83.3	5	83.3	5	83.3	5	83.3	5	83.3	0	0.0	4	66.7	5	83.3	5	83.3	0	0.0
Wales Total	7337	7060	96.2	7060	96.2	7060	96.2	7059	96.2	7059	96.2	7060	96.2	25	0.3	6952	94.8	7048	96.1	7057	96.2	17	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 01/04/20 and 30/06/20 and resident on 30/06/20.

Area	Resident children	D3		T3		P3		Po3		Hib3		HepB ¹		MMR1		PCV2 ¹		PCVf ²		Men B ³		HibMenC	
<u>Aneurin Bevan University HB</u>	(n)	(n)	(%)	(n)	(%)	(n)	(%)	(n)	(%)	(n)	(%)	(n)	(%)	(n)	(%)	(n)	(%)	(n)	(%)	(n)	(%)	(n)	(%)
Blaenau Gwent LA	164	161	98.2	161	98.2	161	98.2	160	97.6	161	98.2	160	97.6	160	97.6	160	97.6	161	98.2	160	97.6	161	98.2
Caerphilly LA	473	463	97.9	463	97.9	463	97.9	463	97.9	463	97.9	462	97.7	451	95.3	461	97.5	453	95.8	453	95.8	451	95.3
Monmouthshire LA	201	197	98.0	197	98.0	197	98.0	197	98.0	197	98.0	197	98.0	196	97.5	197	98.0	195	97.0	195	97.0	195	97.0
Newport LA	440	426	96.8	426	96.8	426	96.8	426	96.8	426	96.8	425	96.6	416	94.5	421	95.7	418	95.0	416	94.5	416	94.5
Torfaen LA	240	234	97.5	234	97.5	234	97.5	234	97.5	234	97.5	234	97.5	228	95.0	234	97.5	229	95.4	228	95.0	228	95.0
Health Board Total	1518	1481	97.6	1481	97.6	1481	97.6	1480	97.5	1481	97.6	1478	97.4	1451	95.6	1473	97.0	1456	95.9	1452	95.7	1451	95.6
<u>Betsi Cadwaladr University HB</u>																							
Anglesey LA	176	171	97.2	171	97.2	171	97.2	171	97.2	171	97.2	171	97.2	170	96.6	169	96.0	170	96.6	169	96.0	170	96.6
Conwy LA	287	278	96.9	278	96.9	278	96.9	278	96.9	277	96.5	277	96.5	273	95.1	274	95.5	275	95.8	271	94.4	271	94.4
Denbighshire LA	245	238	97.1	238	97.1	238	97.1	238	97.1	238	97.1	238	97.1	234	95.5	238	97.1	234	95.5	232	94.7	233	95.1
Flintshire LA	372	358	96.2	358	96.2	358	96.2	358	96.2	358	96.2	357	96.0	358	96.2	356	95.7	359	96.5	357	96.0	357	96.0
Gwynedd LA	279	272	97.5	272	97.5	272	97.5	272	97.5	272	97.5	271	97.1	266	95.3	266	95.3	268	96.1	267	95.7	267	95.7
Wrexham LA	353	342	96.9	342	96.9	342	96.9	342	96.9	342	96.9	340	96.3	342	96.9	340	96.3	343	97.2	338	95.8	341	96.6
Health Board Total	1712	1659	96.9	1659	96.9	1659	96.9	1659	96.9	1658	96.8	1654	96.6	1643	96.0	1643	96.0	1649	96.3	1634	95.4	1639	95.7
<u>Cardiff and Vale University HB</u>																							
Cardiff LA	961	927	96.5	927	96.5	927	96.5	927	96.5	925	96.3	926	96.4	916	95.3	911	94.8	909	94.6	893	92.9	908	94.5
Vale of Glamorgan LA	352	334	94.9	334	94.9	334	94.9	334	94.9	334	94.9	334	94.9	333	94.6	331	94.0	329	93.5	330	93.8	328	93.2
Health Board Total	1313	1261	96.0	1261	96.0	1261	96.0	1261	96.0	1259	95.9	1260	96.0	1249	95.1	1242	94.6	1238	94.3	1223	93.1	1236	94.1
<u>Cwm Taf Morgannwg University HB</u>																							
Bridgend LA	357	347	97.2	347	97.2	347	97.2	347	97.2	347	97.2	347	97.2	346	96.9	340	95.2	345	96.6	341	95.5	339	95.0
Merthyr Tydfil LA	161	158	98.1	158	98.1	158	98.1	158	98.1	158	98.1	158	98.1	155	96.3	156	96.9	156	96.9	154	95.7	156	96.9
Rhondda Cynon Taf LA	654	643	98.3	643	98.3	643	98.3	643	98.3	643	98.3	642	98.2	632	96.6	642	98.2	635	97.1	635	97.1	635	97.1
Health Board Total	1172	1148	98.0	1148	98.0	1148	98.0	1148	98.0	1148	98.0	1147	97.9	1133	96.7	1138	97.1	1136	96.9	1130	96.4	1130	96.4
<u>Hywel Dda University HB</u>																							
Carmarthenshire LA	410	397	96.8	397	96.8	397	96.8	397	96.8	397	96.8	393	95.9	387	94.4	391	95.4	385	93.9	381	92.9	383	93.4
Ceredigion LA	150	144	96.0	144	96.0	144	96.0	144	96.0	144	96.0	140	93.3	143	95.3	144	96.0	143	95.3	143	95.3	143	95.3
Pembrokeshire LA	271	255	94.1	255	94.1	255	94.1	255	94.1	255	94.1	255	94.1	250	92.3	254	93.7	251	92.6	250	92.3	247	91.1
Health Board Total	831	796	95.8	796	95.8	796	95.8	796	95.8	796	95.8	788	94.8	780	93.9	789	94.9	779	93.7	774	93.1	773	93.0
<u>Powys Teaching HB</u>																							
Health Board Total	297	286	96.3	286	96.3	286	96.3	286	96.3	286	96.3	281	94.6	287	96.6	284	95.6	289	97.3	288	97.0	286	96.3
<u>Swansea Bay University HB</u>																							
Neath Port Talbot LA	331	320	96.7	320	96.7	320	96.7	320	96.7	320	96.7	320	96.7	305	92.1	314	94.9	306	92.4	305	92.1	303	91.5
Swansea LA	591	572	96.8	572	96.8	572	96.8	571	96.6	572	96.8	571	96.6	565	95.6	557	94.2	562	95.1	557	94.2	560	94.8
Health Board Total	922	892	96.7	892	96.7	892	96.7	891	96.6	892	96.7	891	96.6	870	94.4	871	94.5	868	94.1	862	93.5	863	93.6
Unknown	6	5	83.3	5	83.3	5	83.3	5	83.3	5	83.3	5	83.3	5	83.3	5	83.3	5	83.3	5	83.3	5	83.3
Wales Total	7771	7528	96.9	7528	96.9	7528	96.9	7526	96.8	7525	96.8	7504	96.6	7418	95.5	7445	95.8	7420	95.5	7368	94.8	7383	95.0

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 01/04/20 and 30/06/20 and resident on 30/06/20. 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	197	174	88.3	191	97.0	174	88.3	173	87.8
Caerphilly LA	495	434	87.7	475	96.0	434	87.7	428	86.5
Monmouthshire LA	206	185	89.8	195	94.7	185	89.8	181	87.9
Newport LA	509	433	85.1	475	93.3	432	84.9	427	83.9
Torfaen LA	258	231	89.5	251	97.3	230	89.1	229	88.8
Health Board Total	1665	1457	87.5	1587	95.3	1455	87.4	1438	86.4
<u>Betsi Cadwaladr University HB</u>									
Anglesey LA	192	180	93.8	184	95.8	178	92.7	178	92.7
Conwy LA	235	211	89.8	231	98.3	212	90.2	211	89.8
Denbighshire LA	273	251	91.9	262	96.0	251	91.9	250	91.6
Flintshire LA	400	368	92.0	391	97.8	363	90.8	362	90.5
Gwynedd LA	304	288	94.7	294	96.7	287	94.4	286	94.1
Wrexham LA	374	347	92.8	363	97.1	343	91.7	339	90.6
Health Board Total	1778	1645	92.5	1725	97.0	1634	91.9	1626	91.5
<u>Cardiff and Vale University HB</u>									
Cardiff LA	1101	958	87.0	1044	94.8	956	86.8	939	85.3
Vale of Glamorgan LA	384	340	88.5	367	95.6	344	89.6	338	88.0
Health Board Total	1485	1298	87.4	1411	95.0	1300	87.5	1277	86.0
<u>Cwm Taf Morgannwg University HB</u>									
Bridgend LA	412	374	90.8	400	97.1	373	90.5	372	90.3
Merthyr Tydfil LA	161	152	94.4	157	97.5	152	94.4	151	93.8
Rhondda Cynon Taf LA	672	627	93.3	660	98.2	622	92.6	621	92.4
Health Board Total	1245	1153	92.6	1217	97.8	1147	92.1	1144	91.9
<u>Hywel Dda University HB</u>									
Carmarthenshire LA	495	442	89.3	472	95.4	441	89.1	432	87.3
Ceredigion LA	146	135	92.5	137	93.8	135	92.5	135	92.5
Pembrokeshire LA	304	262	86.2	285	93.8	262	86.2	259	85.2
Health Board Total	945	839	88.8	894	94.6	838	88.7	826	87.4
<u>Powys Teaching HB</u>									
Health Board Total	310	289	93.2	298	96.1	285	91.9	284	91.6
<u>Swansea Bay University HB</u>									
Neath Port Talbot LA	410	365	89.0	393	95.9	363	88.5	361	88.0
Swansea LA	601	545	90.7	581	96.7	540	89.9	536	89.2
Health Board Total	1011	910	90.0	974	96.3	903	89.3	897	88.7
Unknown	4	2	50.0	2	50.0	2	50.0	2	50.0
Wales Total	8443	7593	89.9	8108	96.0	7564	89.6	7494	88.8

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 01/04/20 and 30/06/20 and resident on 30/06/20. 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	
<u>Aneurin Bevan University HB</u>	(n)	(n)	(%)	(n)	(%)	(n)	(%)	(n)	(%)
Blaenau Gwent LA	169	156	92.3	159	94.1	156	92.3	153	90.5
Caerphilly LA	503	477	94.8	486	96.6	476	94.6	469	93.2
Monmouthshire LA	238	231	97.1	226	95.0	226	95.0	221	92.9
Newport LA	510	467	91.6	466	91.4	461	90.4	447	87.6
Torfaen LA	291	269	92.4	279	95.9	267	91.8	263	90.4
Health Board Total	1711	1600	93.5	1616	94.4	1586	92.7	1553	90.8
<u>Betsi Cadwaladr University HB</u>									
Anglesey LA	163	159	97.5	160	98.2	160	98.2	158	96.9
Conwy LA	278	254	91.4	260	93.5	252	90.6	245	88.1
Denbighshire LA	281	269	95.7	275	97.9	267	95.0	267	95.0
Flintshire LA	421	394	93.6	405	96.2	393	93.3	386	91.7
Gwynedd LA	269	256	95.2	252	93.7	252	93.7	248	92.2
Wrexham LA	393	375	95.4	380	96.7	370	94.1	368	93.6
Health Board Total	1805	1707	94.6	1732	96.0	1694	93.9	1672	92.6
<u>Cardiff and Vale University HB</u>									
Cardiff LA	1068	982	91.9	1011	94.7	981	91.9	956	89.5
Vale of Glamorgan LA	389	372	95.6	373	95.9	366	94.1	364	93.6
Health Board Total	1457	1354	92.9	1384	95.0	1347	92.5	1320	90.6
<u>Cwm Taf Morgannwg University HB</u>									
Bridgend LA	377	345	91.5	356	94.4	340	90.2	334	88.6
Merthyr Tydfil LA	199	180	90.5	186	93.5	178	89.4	177	88.9
Rhondda Cynon Taf LA	682	647	94.9	665	97.5	642	94.1	635	93.1
Health Board Total	1258	1172	93.2	1207	95.9	1160	92.2	1146	91.1
<u>Hywel Dda University HB</u>									
Carmarthenshire LA	497	451	90.7	464	93.4	448	90.1	434	87.3
Ceredigion LA	187	173	92.5	175	93.6	173	92.5	172	92.0
Pembrokeshire LA	309	278	90.0	289	93.5	276	89.3	271	87.7
Health Board Total	993	902	90.8	928	93.5	897	90.3	877	88.3
<u>Powys Teaching HB</u>									
Health Board Total	344	327	95.1	331	96.2	324	94.2	320	93.0
<u>Swansea Bay University HB</u>									
Neath Port Talbot LA	380	352	92.6	369	97.1	349	91.8	348	91.6
Swansea LA	645	593	91.9	604	93.6	582	90.2	574	89.0
Health Board Total	1025	945	92.2	973	94.9	931	90.8	922	90.0
Unknown	5	5	100.0	5	100.0	5	100.0	5	100.0
Wales Total	8598	8012	93.2	8176	95.1	7944	92.4	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 between 01/04/20 and 30/06/20 and resident on 30/06/20.

Area	Resident children	D3	T3	P3	Po3	Hib3	MenC ¹	PCVf ²	HibMenC	MMR1	MMR2	D4	T4	aP	Po4
<u>Aneurin Bevan University HB</u>	(n)	(n)	(%)	(n)	(%)	(n)	(%)	(n)	(%)	(n)	(%)	(n)	(%)	(n)	(%)
Blaenau Gwent LA	169	166	98.2	166	98.2	166	98.2	166	98.2	166	98.2	165	97.6	160	94.7
Caerphilly LA	503	490	97.4	490	97.4	490	97.4	490	97.4	489	97.2	482	95.8	483	96
Monmouthshire LA	238	228	95.8	228	95.8	228	95.8	228	95.8	224	94.1	227	95.4	226	95.0
Newport LA	510	481	94.3	481	94.3	481	94.3	481	94.3	479	93.9	472	92.5	474	92.9
Torfaen LA	291	286	98.3	286	98.3	286	98.3	286	98.3	284	97.6	279	95.9	279	95.9
Health Board Total	1711	1651	96.5	1651	96.5	1651	96.5	1651	96.5	1648	96.3	1627	95.1	1623	94.9
<u>Betsi Cadwaladr University HB</u>															
Anglesey LA	163	160	98.2	160	98.2	160	98.2	160	98.2	160	98.2	154	94.5	158	96.9
Conwy LA	278	267	96.0	267	96.0	267	96.0	267	96.0	267	96.0	257	92.4	257	92.4
Denbighshire LA	281	277	98.6	277	98.6	277	98.6	277	98.6	277	98.6	272	96.8	273	97.2
Flintshire LA	421	414	98.3	414	98.3	414	98.3	414	98.3	414	98.3	393	93.3	401	95.2
Gwynedd LA	269	259	96.3	259	96.3	259	96.3	259	96.3	259	96.3	246	91.4	248	92.2
Wrexham LA	393	387	98.5	387	98.5	387	98.5	386	98.2	387	98.5	378	96.2	381	96.9
Health Board Total	1805	1764	97.7	1764	97.7	1764	97.7	1763	97.7	1764	97.7	1700	94.2	1718	95.2
<u>Cardiff and Vale University HB</u>															
Cardiff LA	1068	1030	96.4	1030	96.4	1030	96.4	1030	96.4	1030	96.4	956	89.5	988	92.5
Vale of Glamorgan LA	389	380	97.7	380	97.7	380	97.7	380	97.7	379	97.4	370	95.1	366	94.1
Health Board Total	1457	1410	96.8	1410	96.8	1410	96.8	1410	96.8	1409	96.7	1326	91.0	1354	92.9
<u>Cwm Taf Morgannwg University HB</u>															
Bridgend LA	377	370	98.1	370	98.1	370	98.1	369	97.9	368	97.6	356	94.4	360	95.5
Merthyr Tydfil LA	199	192	96.5	192	96.5	192	96.5	192	96.5	192	96.5	187	94	186	93.5
Rhondda Cynon Taf LA	682	675	99.0	676	99.1	675	99.0	676	99.1	675	99.0	669	98.1	670	98.2
Health Board Total	1258	1237	98.3	1238	98.4	1237	98.3	1237	98.3	1235	98.2	1217	96.7	1217	96.7
<u>Hywel Dda University HB</u>															
Carmarthenshire LA	497	487	98.0	487	98.0	487	98.0	487	98.0	485	97.6	470	94.6	467	94
Ceredigion LA	187	178	95.2	178	95.2	178	95.2	178	95.2	178	95.2	173	92.5	174	93
Pembrokeshire LA	309	297	96.1	297	96.1	297	96.1	297	96.1	297	96.1	293	94.8	288	93.2
Health Board Total	993	962	96.9	962	96.9	962	96.9	962	96.9	960	96.7	936	94.3	929	93.6
<u>Powys Teaching HB</u>															
Health Board Total	344	333	96.8	333	96.8	333	96.8	333	96.8	333	96.8	326	94.8	326	94.8
<u>Swansea Bay University HB</u>															
Neath Port Talbot LA	380	372	97.9	372	97.9	372	97.9	372	97.9	372	97.9	364	95.8	365	96.1
Swansea LA	645	619	96.0	619	96.0	618	95.8	618	95.8	618	95.8	595	92.2	598	92.7
Health Board Total	1025	991	96.7	991	96.7	990	96.6	990	96.6	990	96.6	959	93.6	963	94
Unknown	5	5	100.0	5	100.0	5	100.0	5	100.0	5	100.0	5	100.0	5	100
Wales Total	8598	8353	97.2	8354	97.2	8352	97.1	8351	97.1	8344	97.0	8096	94.2	8135	94.6

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 01/09/19 and 31/08/20 (School Year 8) and resident on 30/06/20, with breakdown of coverage for sex.

Area	Resident children (n)	HPV 1 dose (n) (%)		Resident girls (n)	HPV 1 dose (girls) (n) (%)		Resident boys (n)	HPV 1 dose (boys) (n) (%)	
<u>Aneurin Bevan University HB</u>									
Blaenau Gwent LA	720	2	0.3	387	2	0.5	333	0	0.0
Caerphilly LA	2085	16	0.8	1044	10	1.0	1041	6	0.6
Monmouthshire LA	1045	2	0.2	513	2	0.4	532	0	0.0
Newport LA	2032	20	1.0	982	8	0.8	1049	12	1.1
Torfaen LA	1123	6	0.5	542	2	0.4	581	4	0.7
Health Board Total	7005	46	0.7	3468	24	0.7	3536	22	0.6
<u>Betsi Cadwaladr University HB</u>									
Anglesey LA	774	242	31.3	372	126	33.9	402	116	28.9
Conwy LA	1190	187	15.7	589	167	28.4	601	20	3.3
Denbighshire LA	1101	257	23.3	531	145	27.3	569	112	19.7
Flintshire LA	1803	1267	70.3	891	653	73.3	912	614	67.3
Gwynedd LA	1326	943	71.1	650	473	72.8	676	470	69.5
Wrexham LA	1565	960	61.3	743	506	68.1	822	454	55.2
Health Board Total	7759	3856	49.7	3776	2070	54.8	3982	1786	44.9
<u>Cardiff and Vale University HB</u>									
Cardiff LA	4337	2456	56.6	2134	1268	59.4	2202	1188	54.0
Vale of Glamorgan LA	1609	1261	78.4	771	630	81.7	838	631	75.3
Health Board Total	5946	3717	62.5	2905	1898	65.3	3040	1819	59.8
<u>Cwm Taf Morgannwg University HB</u>									
Bridgend LA	1741	14	0.8	846	9	1.1	895	5	0.6
Merthyr Tydfil LA	709	1	0.1	326	1	0.3	383	0	0.0
Rhondda Cynon Taf LA	2843	43	1.5	1345	21	1.6	1497	22	1.5
Health Board Total	5293	58	1.1	2517	31	1.2	2775	27	1.0
<u>Hywel Dda University HB</u>									
Cardiganshire LA	2132	927	43.5	1055	464	44.0	1075	463	43.1
Ceredigion LA	701	588	83.9	347	302	87.0	354	286	80.8
Pembrokeshire LA	1367	695	50.8	670	374	55.8	697	321	46.1
Health Board Total	4200	2210	52.6	2072	1140	55.0	2126	1070	50.3
<u>Powys Teaching HB</u>									
Health Board Total	1326	54	4.1	645	27	4.2	681	27	4.0
<u>Swansea Bay University HB</u>									
Neath Port Talbot LA	1626	1430	87.9	795	713	89.7	831	717	86.3
Swansea LA	2715	2429	89.5	1324	1232	93.1	1391	1197	86.1
Health Board Total	4341	3859	88.9	2119	1945	91.8	2222	1914	86.1
Unknown	90	23	25.6	41	14	34.1	49	9	18.4
Wales Total	35960	13823	38.4	17543	7149	40.8	18411	6674	36.3

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 01/09/19 and 31/08/20 and resident on 30/06/20.

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	387	2	0.5	411	354	86.1	5	1.2	343	312	91.0	292	85.1
Caerphilly LA	1044	10	1.0	1027	902	87.8	14	1.4	1014	930	91.7	877	86.5
Monmouthshire LA	513	2	0.4	518	416	80.3	26	5.0	520	415	79.8	380	73.1
Newport LA	982	8	0.8	958	780	81.4	15	1.6	955	795	83.2	754	79.0
Torfaen LA	542	2	0.4	548	474	86.5	39	7.1	550	480	87.3	453	82.4
Health Board Total	3468	24	0.7	3462	2926	84.5	99	2.9	3382	2932	86.7	2756	81.5
<u>Betsi Cadwaladr University HB</u>													
Anglesey LA	372	126	33.9	336	288	85.7	95	28.3	346	299	86.4	278	80.3
Conwy LA	589	167	28.4	590	518	87.8	164	27.8	537	490	91.2	459	85.5
Denbighshire LA	531	145	27.3	548	455	83.0	125	22.8	539	477	88.5	433	80.3
Flintshire LA	891	653	73.3	825	702	85.1	518	62.8	808	732	90.6	652	80.7
Gwynedd LA	650	473	72.8	680	620	91.2	529	77.8	634	569	89.7	550	86.8
Wrexham LA	743	506	68.1	770	656	85.2	446	57.9	736	667	90.6	610	82.9
Health Board Total	3776	2070	54.8	3749	3239	86.4	1877	50.1	3600	3234	89.8	2982	82.8
<u>Cardiff and Vale University HB</u>													
Cardiff LA	2134	1268	59.4	2004	1713	85.5	1155	57.6	1987	1751	88.1	1636	82.3
Vale of Glamorgan LA	771	630	81.7	744	690	92.7	571	76.7	760	686	90.3	664	87.4
Health Board Total	2905	1898	65.3	2748	2403	87.4	1726	62.8	2747	2437	88.7	2300	83.7
<u>Cwm Taf Morgannwg University HB</u>													
Bridgend LA	846	9	1.1	794	713	89.8	9	1.1	791	724	91.5	662	83.7
Merthyr Tydfil LA	326	1	0.3	323	291	90.1	3	0.9	355	331	93.2	305	85.9
Rhondda Cynon Taf LA	1345	21	1.6	1408	1309	93.0	30	2.1	1401	1310	93.5	1235	88.2
Health Board Total	2517	31	1.2	2525	2313	91.6	42	1.7	2547	2365	92.9	2202	86.5
<u>Hywel Dda University HB</u>													
Carmarthenshire LA	1055	464	44.0	995	893	89.7	402	40.4	986	897	91.0	859	87.1
Ceredigion LA	347	302	87.0	303	268	88.4	246	81.2	293	254	86.7	247	84.3
Pembrokeshire LA	670	374	55.8	622	547	87.9	279	44.9	613	544	88.7	502	81.9
Health Board Total	2072	1140	55.0	1920	1708	89.0	927	48.3	1892	1695	89.6	1608	85.0
<u>Powys Teaching HB</u>													
Health Board Total	645	27	4.2	662	579	87.5	26	3.9	663	569	85.8	523	78.9
<u>Swansea Bay University HB</u>													
Neath Port Talbot LA	795	713	89.7	804	773	96.1	696	86.6	826	782	94.7	754	91.3
Swansea LA	1324	1232	93.1	1232	1153	93.6	1093	88.7	1173	1078	91.9	1043	88.9
Health Board Total	2119	1945	91.8	2036	1926	94.6	1789	87.9	1999	1860	93.0	1797	89.9
Unknown	41	14	34.1	35	28	80.0	11	31.4	44	37	84.1	36	81.8
Wales Total	17543	7149	40.8	17137	15122	88.2	6497	37.9	16874	15129	89.7	14204	84.2

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 01/09/19 and 31/08/20 and resident on 30/06/20.

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	781	605	77.5	684	601	87.9	755	671	88.9	697	597	85.7
Caerphilly LA	2129	1634	76.7	2075	1798	86.7	2151	1813	84.3	2075	1759	84.8
Monmouthshire LA	1073	731	68.1	1086	874	80.5	1147	910	79.3	1103	891	80.8
Newport LA	1920	1418	73.9	1914	1586	82.9	1909	1514	79.3	1884	1492	79.2
Torfaen LA	1132	770	68.0	1130	972	86.0	1014	905	89.3	978	829	84.8
Health Board Total	7035	5158	73.3	6889	5831	84.6	6976	5813	83.3	6737	5568	82.6
<u>Betsi Cadwaladr University HB</u>												
Anglesey LA	717	394	55.0	710	563	79.3	730	642	87.9	712	606	85.1
Conwy LA	1231	921	74.8	1176	1033	87.8	1161	1043	89.8	1164	1063	91.3
Denbighshire LA	1097	776	70.7	1114	916	82.2	1102	963	87.4	1053	893	84.8
Flintshire LA	1690	517	30.6	1643	1366	83.1	1659	1460	88.0	1500	1304	86.9
Gwynedd LA	1352	776	57.4	1253	1079	86.1	1166	1040	89.2	1173	1038	88.5
Wrexham LA	1565	762	48.7	1501	1249	83.2	1443	1273	88.2	1420	1218	85.8
Health Board Total	7652	4146	54.2	7397	6206	83.9	7261	6421	88.4	7022	6122	87.2
<u>Cardiff and Vale University HB</u>												
Cardiff LA	4153	3079	74.1	4014	3073	76.6	3783	2925	77.3	3810	2958	77.6
Vale of Glamorgan LA	1508	1224	81.2	1517	1241	81.8	1460	1216	83.3	1503	1238	82.4
Health Board Total	5661	4303	76.0	5531	4314	78.0	5243	4141	79.0	5313	4196	79.0
<u>Cwm Taf Morgannwg University HB</u>												
Bridgend LA	1633	1408	86.2	1696	1550	91.4	1601	1356	84.7	1573	1406	89.4
Merthyr Tydfil LA	699	612	87.6	714	639	89.5	668	592	88.6	673	608	90.3
Rhondda Cynon Taf LA	2869	2508	87.4	2879	2635	91.5	2667	2468	92.5	2823	2551	90.4
Health Board Total	5201	4528	87.1	5289	4824	91.2	4936	4416	89.5	5069	4565	90.1
<u>Hywel Dda University HB</u>												
Carmarthenshire LA	2102	823	39.2	2020	1775	87.9	2008	1769	88.1	2059	1809	87.9
Ceredigion LA	619	308	49.8	655	578	88.2	678	596	87.9	620	535	86.3
Pembrokeshire LA	1374	296	21.5	1244	1046	84.1	1267	1059	83.6	1217	984	80.9
Health Board Total	4095	1427	34.8	3919	3399	86.7	3953	3424	86.6	3896	3328	85.4
<u>Powys Teaching HB</u>												
Health Board Total	1327	1086	81.8	1380	1232	89.3	1343	1213	90.3	1337	1131	84.6
<u>Swansea Bay University HB</u>												
Neath Port Talbot LA	1621	490	30.2	1665	1540	92.5	1504	1376	91.5	1429	1274	89.2
Swansea LA	2617	1181	45.1	2535	2339	92.3	2577	2354	91.3	2597	2293	88.3
Health Board Total	4238	1671	39.4	4200	3879	92.4	4081	3730	91.4	4026	3567	88.6
Unknown	79	56	70.9	88	71	80.7	111	89	80.2	88	73	83.0
Wales Total	35288	22375	63.4	34693	29756	85.8	33904	29247	86.3	33488	28550	85.3

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 2019-20 school year 9 reaching their 14th birthday between 01/09/19 and 31/08/20 and resident on 30/06/20, 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)
<u>Aneurin Bevan University HB</u>	(n)	(n)	(%)	(n)	(%)	(n)	(%)	(n)	(%)		(n)	(n)	(%)	(n)	(%)	(n)	(n)	(%)	(n)	(%)
Blaenau Gwent LA	781	761	97.4	742	95.0	605	77.5	605	77.5		411	405	98.5	395	96.1	370	356	96.2	347	93.8
Caerphilly LA	2129	2087	98.0	2027	95.2	1632	76.7	1634	76.7		1027	1016	98.9	986	96.0	1102	1071	97.2	1041	94.5
Monmouthshire LA	1073	1001	93.3	971	90.5	728	67.8	731	68.1		518	489	94.4	476	91.9	555	512	92.3	495	89.2
Newport LA	1920	1832	95.4	1744	90.8	1430	74.5	1418	73.9		958	920	96.0	882	92.1	961	912	94.9	862	89.7
Torfaen LA	1132	1096	96.8	1049	92.7	769	67.9	770	68.0		548	528	96.4	510	93.1	584	568	97.3	539	92.3
Health Board Total	7035	6777	96.3	6533	92.9	5164	73.4	5158	73.3		3462	3358	97.0	3249	93.8	3572	3419	95.7	3284	91.9
<u>Betsi Cadwaladr University HB</u>																				
Anglesey LA	717	685	95.5	664	92.6	410	57.2	394	55.0		336	322	95.8	312	92.9	381	363	95.3	352	92.4
Conwy LA	1231	1157	94.0	1130	91.8	919	74.7	921	74.8		590	546	92.5	530	89.8	640	610	95.3	599	93.6
Denbighshire LA	1097	1054	96.1	1017	92.7	772	70.4	776	70.7		548	529	96.5	505	92.2	549	525	95.6	512	93.3
Flintshire LA	1690	1599	94.6	1543	91.3	518	30.7	517	30.6		825	773	93.7	747	90.5	865	826	95.5	796	92.0
Gwynedd LA	1352	1293	95.6	1253	92.7	786	58.1	776	57.4		680	654	96.2	631	92.8	672	639	95.1	622	92.6
Wrexham LA	1565	1513	96.7	1475	94.2	756	48.3	762	48.7		770	747	97.0	733	95.2	795	766	96.4	742	93.3
Health Board Total	7652	7301	95.4	7082	92.6	4161	54.4	4146	54.2		3749	3571	95.3	3458	92.2	3902	3729	95.6	3623	92.8
<u>Cardiff and Vale University HB</u>																				
Cardiff LA	4153	3902	94.0	3665	88.2	3081	74.2	3079	74.1		2004	1881	93.9	1762	87.9	2149	2021	94.0	1903	88.6
Vale of Glamorgan LA	1508	1447	96.0	1384	91.8	1224	81.2	1224	81.2		744	716	96.2	686	92.2	764	731	95.7	698	91.4
Health Board Total	5661	5349	94.5	5049	89.2	4305	76.0	4303	76.0		2748	2597	94.5	2448	89.1	2913	2752	94.5	2601	89.3
<u>Cwm Taf Morgannwg University HB</u>																				
Bridgend LA	1633	1549	94.9	1478	90.5	1408	86.2	1408	86.2		794	756	95.2	727	91.6	838	792	94.5	750	89.5
Merthyr Tydfil LA	699	665	95.1	642	91.8	612	87.6	612	87.6		323	305	94.4	291	90.1	376	360	95.7	351	93.4
Rhondda Cynon Taf LA	2869	2756	96.1	2667	93.0	2502	87.2	2508	87.4		1408	1356	96.3	1320	93.8	1461	1400	95.8	1347	92.2
Health Board Total	5201	4970	95.6	4787	92.0	4522	86.9	4528	87.1		2525	2417	95.7	2338	92.6	2675	2552	95.4	2448	91.5
<u>Hywel Dda University HB</u>																				
Carmarthenshire LA	2102	1967	93.6	1913	91.0	818	38.9	823	39.2		995	938	94.3	912	91.7	1107	1029	93.0	1001	90.4
Ceredigion LA	619	586	94.7	572	92.4	314	50.7	308	49.8		303	286	94.4	281	92.7	316	300	94.9	291	92.1
Pembrokeshire LA	1374	1285	93.5	1226	89.2	297	21.6	296	21.5		622	588	94.5	564	90.7	752	697	92.7	662	88.0
Health Board Total	4095	3838	93.7	3711	90.6	1429	34.9	1427	34.8		1920	1812	94.4	1757	91.5	2175	2026	93.1	1954	89.8
<u>Powys Teaching HB</u>																				
Health Board Total	1327	1247	94.0	1187	89.4	1079	81.3	1086	81.8		662	625	94.4	594	89.7	665	622	93.5	593	89.2
<u>Swansea Bay University HB</u>																				
Neath Port Talbot LA	1621	1567	96.7	1519	93.7	492	30.4	490	30.2		804	784	97.5	760	94.5	817	783	95.8	759	92.9
Swansea LA	2617	2494	95.3	2391	91.4	1183	45.2	1181	45.1		1232	1166	94.6	1125	91.3	1385	1328	95.9	1266	91.4
Health Board Total	4238	4061	95.8	3910	92.3	1675	39.5	1671	39.4		2036	1950	95.8	1885	92.6	2202	2111	95.9	2025	92.0
Unknown	79	74	93.7	73	92.4	57	72.2	56	70.9		35	33	94.3	33	94.3	44	41	93.2	40	90.9
Wales Total	35288	33617	95.3	32332	91.6	22392	63.5	22375	63.4		17137	16363	95.5	15762	92.0	18148	17252	95.1	16568	91.3

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 2019-20 school year 10 reaching their 15th birthday between 01/09/19 and 31/08/20 and resident on 30/06/20, with breakdown of MMR1 and MMR2 coverage by sex.

Area	Resident children		Teenage 3 in 1								Resident girls		MMR1 (girls)		MMR2 (girls)		Resident boys		MMR1 (boys)		MMR2 (boys)	
	(n)	(n) (n) (%)	(n) (%)	(n) (%)	(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) (%)	(n) (%)	(n) (%)			
Blaenau Gwent LA	684	666 97.4	650 95.0	602 88.0	601 87.9	343	334 97.4	326 95.0	341 97.4	332 97.4	324 95.0											
Caerphilly LA	2075	2023 97.5	1972 95.0	1795 86.5	1798 86.7	1014	995 98.1	972 95.9	1061 98.1	1028 96.9	1000 94.3											
Monmouthshire LA	1086	1027 94.6	997 91.8	868 79.9	874 80.5	520	491 94.4	476 91.5	566 94.4	536 94.7	521 92.0											
Newport LA	1914	1828 95.5	1759 91.9	1577 82.4	1586 82.9	955	914 95.7	884 92.6	956 95.4	912 95.4	875 91.5											
Torfaen LA	1130	1101 97.4	1075 95.1	986 87.3	972 86.0	550	535 97.3	527 95.8	580 97.6	566 97.6	548 94.5											
Health Board Total	6889	6645 96.5	6453 93.7	5828 84.6	5831 84.6	3382	3269 96.7	3185 94.2	3504 96.3	3374 96.3	3268 93.3											
<u>Betsi Cadwaladr University HB</u>																						
Anglesey LA	710	668 94.1	647 91.1	568 80.0	563 79.3	346	326 94.2	315 91.0	364 94.0	342 94.0	332 91.2											
Conwy LA	1176	1116 94.9	1084 92.2	1026 87.2	1033 87.8	537	512 95.3	499 92.9	639 94.5	604 94.5	585 91.5											
Denbighshire LA	1114	1042 93.5	1000 89.8	908 81.5	916 82.2	539	505 93.7	484 89.8	575 93.4	537 93.4	516 89.7											
Flintshire LA	1643	1559 94.9	1509 91.8	1365 83.1	1366 83.1	808	769 95.2	744 92.1	835 94.6	790 94.6	765 91.6											
Gwynedd LA	1253	1211 96.6	1181 94.3	1083 86.4	1079 86.1	634	618 97.5	600 94.6	619 95.8	593 95.8	581 93.9											
Wrexham LA	1501	1456 97.0	1412 94.1	1243 82.8	1249 83.2	736	713 96.9	686 93.2	765 97.1	743 97.1	726 94.9											
Health Board Total	7397	7052 95.3	6833 92.4	6193 83.7	6206 83.9	3600	3443 95.6	3328 92.4	3797 95.0	3609 95.0	3505 92.3											
<u>Cardiff and Vale University HB</u>																						
Cardiff LA	4014	3772 94.0	3564 88.8	3081 76.8	3073 76.6	1987	1884 94.8	1789 90.0	2026 93.2	1888 93.2	1775 87.6											
Vale of Glamorgan LA	1517	1452 95.7	1387 91.4	1243 81.9	1241 81.8	760	725 95.4	691 90.9	756 96.2	727 96.2	696 92.1											
Health Board Total	5531	5224 94.4	4951 89.5	4324 78.2	4314 78.0	2747	2609 95.0	2480 90.3	2782 94.0	2615 94.0	2471 88.8											
<u>Cwm Taf Morgannwg University HB</u>																						
Bridgend LA	1696	1623 95.7	1553 91.6	1543 91.0	1550 91.4	791	762 96.3	735 92.9	905 95.1	861 95.1	818 90.4											
Merthyr Tydfil LA	714	684 95.8	656 91.9	636 89.1	639 89.5	355	339 95.5	326 91.8	359 96.1	345 96.1	330 91.9											
Rhondda Cynon Taf LA	2879	2761 95.9	2651 92.1	2639 91.7	2635 91.5	1401	1348 96.2	1300 92.8	1477 95.7	1413 95.7	1351 91.5											
Health Board Total	5289	5068 95.8	4860 91.9	4818 91.1	4824 91.2	2547	2449 96.2	2361 92.7	2741 95.5	2619 95.5	2499 91.2											
<u>Hywel Dda University HB</u>																						
Cardemarthenshire LA	2020	1923 95.2	1875 92.8	1779 88.1	1775 87.9	986	945 95.8	916 92.9	1034 94.6	978 94.6	959 92.7											
Ceredigion LA	655	624 95.3	599 91.5	580 88.5	578 88.2	293	276 94.2	263 89.8	362 96.1	348 96.1	336 92.8											
Pembrokeshire LA	1244	1194 96.0	1132 91.0	1054 84.7	1046 84.1	613	590 96.2	555 90.5	631 95.7	604 95.7	577 91.4											
Health Board Total	3919	3741 95.5	3606 92.0	3413 87.1	3399 86.7	1892	1811 95.7	1734 91.6	2027 95.2	1930 95.2	1872 92.4											
<u>Powys Teaching HB</u>																						
Health Board Total	1380	1298 94.1	1238 89.7	1224 88.7	1232 89.3	663	628 94.7	606 91.4	717 93.4	670 93.4	632 88.1											
<u>Swansea Bay University HB</u>																						
Neath Port Talbot LA	1665	1590 95.5	1510 90.7	1533 92.1	1540 92.5	826	788 95.4	755 91.4	839 95.6	802 95.6	755 90.0											
Swansea LA	2535	2378 93.8	2277 89.8	2326 91.8	2339 92.3	1173	1105 94.2	1055 89.9	1362 93.5	1273 93.5	1222 89.7											
Health Board Total	4200	3968 94.5	3787 90.2	3859 91.9	3879 92.4	1999	1893 94.7	1810 90.5	2201 94.3	2075 94.3	1977 89.8											
Unknown	88	81 92.0	80 90.9	72 81.8	71 80.7	44	40 90.9	40 90.9	44 93.2	41 93.2	40 90.9											
Wales Total	34693	33077 95.3	31808 91.7	29731 85.7	29756 85.8	16874	16142 95.7	15544 92.1	17813 95.1	16933 95.1	16264 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 2019-20 school year 11 reaching their 16th birthday between 01/09/19 and 31/08/20 and resident on 30/06/20, 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	755	741	98.1	724	95.9	672	89.0	671	88.9	377	370	98.1	361	95.8	378	371	98.1	363	96.0
Caerphilly LA	2151	2093	97.3	2043	95.0	1810	84.1	1813	84.3	1017	985	96.9	969	95.3	1133	1107	97.7	1073	94.7
Monmouthshire LA	1147	1078	94.0	1045	91.1	905	78.9	910	79.3	546	514	94.1	500	91.6	601	564	93.8	545	90.7
Newport LA	1909	1800	94.3	1742	91.3	1521	79.7	1514	79.3	903	861	95.3	840	93.0	1006	939	93.3	902	89.7
Torfaen LA	1014	991	97.7	964	95.1	907	89.4	905	89.3	491	480	97.8	465	94.7	523	511	97.7	499	95.4
Health Board Total	6976	6703	96.1	6518	93.4	5815	83.4	5813	83.3	3334	3210	96.3	3135	94.0	3641	3492	95.9	3382	92.9
<u>Betsi Cadwaladr University HB</u>																			
Anglesey LA	730	703	96.3	689	94.4	642	87.9	642	87.9	347	334	96.3	330	95.1	383	369	96.3	359	93.7
Conwy LA	1161	1113	95.9	1069	92.1	1041	89.7	1043	89.8	572	545	95.3	520	90.9	589	568	96.4	549	93.2
Denbighshire LA	1102	1040	94.4	1006	91.3	955	86.7	963	87.4	520	490	94.2	472	90.8	582	550	94.5	534	91.8
Flintshire LA	1659	1599	96.4	1549	93.4	1455	87.7	1460	88.0	793	775	97.7	750	94.6	866	824	95.2	799	92.3
Gwynedd LA	1166	1126	96.6	1102	94.5	1038	89.0	1040	89.2	528	514	97.3	504	95.5	638	612	95.9	598	93.7
Wrexham LA	1443	1385	96.0	1354	93.8	1266	87.7	1273	88.2	694	673	97.0	656	94.5	749	712	95.1	698	93.2
Health Board Total	7261	6966	95.9	6769	93.2	6397	88.1	6421	88.4	3454	3331	96.4	3232	93.6	3807	3635	95.5	3537	92.9
<u>Cardiff and Vale University HB</u>																			
Cardiff LA	3783	3520	93.0	3320	87.8	2937	77.6	2925	77.3	1876	1751	93.3	1649	87.9	1907	1769	92.8	1671	87.6
Vale of Glamorgan LA	1460	1380	94.5	1312	89.9	1218	83.4	1216	83.3	757	713	94.2	679	89.7	703	667	94.9	633	90.0
Health Board Total	5243	4900	93.5	4632	88.3	4155	79.2	4141	79.0	2633	2464	93.6	2328	88.4	2610	2436	93.3	2304	88.3
<u>Cwm Taf Morgannwg University HB</u>																			
Bridgend LA	1601	1525	95.3	1437	89.8	1346	84.1	1356	84.7	808	782	96.8	743	92.0	793	743	93.7	694	87.5
Merthyr Tydfil LA	668	629	94.2	602	90.1	588	88.0	592	88.6	319	295	92.5	281	88.1	348	334	96.0	321	92.2
Rhondda Cynon Taf LA	2667	2554	95.8	2465	92.4	2463	92.4	2468	92.5	1311	1261	96.2	1215	92.7	1356	1293	95.4	1250	92.2
Health Board Total	4936	4708	95.4	4504	91.2	4397	89.1	4416	89.5	2438	2338	95.9	2239	91.8	2497	2370	94.9	2265	90.7
<u>Hywel Dda University HB</u>																			
Cardemarthenshire LA	2008	1913	95.3	1848	92.0	1773	88.3	1769	88.1	978	932	95.3	898	91.8	1030	981	95.2	950	92.2
Ceredigion LA	678	645	95.1	628	92.6	600	88.5	596	87.9	327	313	95.7	304	93.0	351	332	94.6	324	92.3
Pembrokeshire LA	1267	1195	94.3	1144	90.3	1060	83.7	1059	83.6	635	601	94.6	577	90.9	632	594	94.0	567	89.7
Health Board Total	3953	3753	94.9	3620	91.6	3433	86.8	3424	86.6	1940	1846	95.2	1779	91.7	2013	1907	94.7	1841	91.5
<u>Powys Teaching HB</u>																			
Health Board Total	1343	1254	93.4	1198	89.2	1203	89.6	1213	90.3	660	618	93.6	595	90.2	683	636	93.1	603	88.3
<u>Swansea Bay University HB</u>																			
Neath Port Talbot LA	1504	1441	95.8	1377	91.6	1356	90.2	1376	91.5	740	719	97.2	687	92.8	764	722	94.5	690	90.3
Swansea LA	2577	2444	94.8	2344	91.0	2337	90.7	2354	91.3	1226	1167	95.2	1117	91.1	1351	1277	94.5	1227	90.8
Health Board Total	4081	3885	95.2	3721	91.2	3693	90.5	3730	91.4	1966	1886	95.9	1804	91.8	2115	1999	94.5	1917	90.6
Unknown	111	101	91.0	96	86.5	88	79.3	89	80.2	45	41	91.1	38	84.4	66	60	90.9	58	87.9
Wales Total	33904	32270	95.2	31058	91.6	29181	86.1	29247	86.3	16470	15734	95.5	15150	92.0	17432	16535	94.9	15907	91.3

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 01/04/20 and 30/06/20 and resident on 30/06/20, 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>																				
Blaenau Gwent LA	157	156	99.4	155	98.7	140	89.2	140	89.2	81	81	100.0	80	98.8		76	75	98.7	75	98.7
Caerphilly LA	553	535	96.7	524	94.8	477	86.3	476	86.1	259	249	96.1	246	95.0		293	285	97.3	277	94.5
Monmouthshire LA	290	273	94.1	263	90.7	230	79.3	230	79.3	132	123	93.2	120	90.9		158	150	94.9	143	90.5
Newport LA	482	456	94.6	448	92.9	374	77.6	372	77.2	214	203	94.9	200	93.5		268	253	94.4	248	92.5
Torfaen LA	235	229	97.4	223	94.9	215	91.5	213	90.6	114	110	96.5	105	92.1		121	119	98.3	118	97.5
Health Board Total	1717	1649	96.0	1613	93.9	1436	83.6	1431	83.3	800	766	95.8	751	93.9		916	882	96.3	861	94.0
<u>Betsi Cadwaladr University HB</u>																				
Anglesey LA	181	177	97.8	173	95.6	149	82.3	152	84.0	91	88	96.7	86	94.5		90	89	98.9	87	96.7
Conwy LA	292	278	95.2	264	90.4	260	89.0	260	89.0	125	119	95.2	112	89.6		167	159	95.2	152	91.0
Denbighshire LA	243	232	95.5	225	92.6	217	89.3	219	90.1	112	105	93.8	100	89.3		131	127	96.9	125	95.4
Flintshire LA	424	408	96.2	401	94.6	368	86.8	374	88.2	206	201	97.6	198	96.1		218	207	95.0	203	93.1
Gwynedd LA	294	283	96.3	280	95.2	262	89.1	262	89.1	125	120	96.0	118	94.4		169	163	96.4	162	95.9
Wrexham LA	343	336	98.0	332	96.8	301	87.8	305	88.9	175	174	99.4	171	97.7		168	162	96.4	161	95.8
Health Board Total	1777	1714	96.5	1675	94.3	1557	87.6	1572	88.5	834	807	96.8	785	94.1		943	907	96.2	890	94.4
<u>Cardiff and Vale University HB</u>																				
Cardiff LA	932	875	93.9	836	89.7	718	77.0	717	76.9	461	437	94.8	416	90.2		471	438	93.0	420	89.2
Vale of Glamorgan LA	364	341	93.7	325	89.3	304	83.5	304	83.5	183	170	92.9	162	88.5		181	171	94.5	163	90.1
Health Board Total	1296	1216	93.8	1161	89.6	1022	78.9	1021	78.8	644	607	94.3	578	89.8		652	609	93.4	583	89.4
<u>Cwm Taf Morgannwg University HB</u>																				
Bridgend LA	408	384	94.1	356	87.3	337	82.6	342	83.8	214	208	97.2	192	89.7		194	176	90.7	164	84.5
Merthyr Tydfil LA	171	162	94.7	157	91.8	155	90.6	155	90.6	78	72	92.3	68	87.2		92	90	97.8	89	96.7
Rhondda Cynon Taf LA	643	622	96.7	600	93.3	587	91.3	586	91.1	312	304	97.4	295	94.6		331	318	96.1	305	92.1
Health Board Total	1222	1168	95.6	1113	91.1	1079	88.3	1083	88.6	604	584	96.7	555	91.9		617	584	94.7	558	90.4
<u>Hywel Dda University HB</u>																				
Cardiff and Vale LA	480	450	93.8	437	91.0	424	88.3	424	88.3	243	228	93.8	219	90.1		237	222	93.7	218	92.0
Ceredigion LA	165	158	95.8	154	93.3	145	87.9	145	87.9	90	88	97.8	85	94.4		75	70	93.3	69	92.0
Pembrokeshire LA	289	272	94.1	260	90.0	240	83.0	239	82.7	151	143	94.7	140	92.7		138	129	93.5	120	87.0
Health Board Total	934	880	94.2	851	91.1	809	86.6	808	86.5	484	459	94.8	444	91.7		450	421	93.6	407	90.4
<u>Powys Teaching HB</u>																				
Health Board Total	299	276	92.3	263	88.0	269	90.0	270	90.3	138	130	94.2	123	89.1		161	146	90.7	140	87.0
<u>Swansea Bay University HB</u>																				
Neath Port Talbot LA	388	373	96.1	359	92.5	349	89.9	356	91.8	184	180	97.8	172	93.5		204	193	94.6	187	91.7
Swansea LA	634	599	94.5	581	91.6	580	91.5	580	91.5	317	300	94.6	289	91.2		317	299	94.3	292	92.1
Health Board Total	1022	972	95.1	940	92.0	929	90.9	936	91.6	501	480	95.8	461	92.0		521	492	94.4	479	91.9
Unknown	25	21	84.0	20	80.0	16	64.0	16	64.0	9	9	100.0	9	100.0		16	12	75.0	11	68.8
Wales Total	8292	7896	95.2	7636	92.1	7117	85.8	7137	86.1	4014	3842	95.7	3706	92.3		4276	4053	94.8	3929	91.9

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 01/04/20 and 30/06/20 and resident on 30/06/20.¹

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	200	6	3.0	164	6	3.7	169	3	1.8	157	6	3.8
Caerphilly LA	419	8	1.9	473	9	1.9	503	14	2.8	553	6	1.1
Monmouthshire LA	190	5	2.6	201	10	5.0	238	13	5.5	290	8	2.8
Newport LA	474	77	16.2	440	94	21.4	510	88	17.3	482	65	13.5
Torfaen LA	267	9	3.4	240	8	3.3	291	3	1.0	235	5	2.1
Health Board Total	1550	105	6.8	1518	127	8.4	1711	121	7.1	1717	90	5.2
<u>Betsi Cadwaladr University HB</u>												
Anglesey LA	131	4	3.1	176	3	1.7	163	1	0.6	181	0	0.0
Conwy LA	275	13	4.7	287	8	2.8	278	11	4.0	292	11	3.8
Denbighshire LA	254	13	5.1	245	12	4.9	281	14	5.0	243	12	4.9
Flintshire LA	340	25	7.4	372	16	4.3	421	21	5.0	424	14	3.3
Gwynedd LA	269	6	2.2	279	10	3.6	269	13	4.8	294	12	4.1
Wrexham LA	314	27	8.6	353	15	4.2	393	25	6.4	343	20	5.8
Health Board Total	1583	88	5.6	1712	64	3.7	1805	85	4.7	1777	69	3.9
<u>Cardiff and Vale University HB</u>												
Cardiff LA	896	36	4.0	961	110	11.4	1068	183	17.1	932	174	18.7
Vale of Glamorgan LA	290	1	0.3	352	8	2.3	389	18	4.6	364	18	4.9
Health Board Total	1186	37	3.1	1313	118	9.0	1457	201	13.8	1296	192	14.8
<u>Cwm Taf Morgannwg Univeristy HB</u>												
Bridgend LA	324	11	3.4	357	18	5.0	377	14	3.7	408	4	1.0
Merthyr Tydfil LA	154	7	4.5	161	10	6.2	199	14	7.0	171	4	2.3
Rhondda Cynon Taf LA	602	14	2.3	654	18	2.8	682	36	5.3	643	13	2.0
Health Board Total	1080	32	3.0	1172	46	3.9	1258	64	5.1	1222	21	1.7
<u>Hywel Dda University HB</u>												
Cardemare LA	420	7	1.7	410	12	2.9	497	24	4.8	480	18	3.8
Ceredigion LA	132	4	3.0	150	2	1.3	187	9	4.8	165	6	3.6
Pembrokeshire LA	250	6	2.4	271	2	0.7	309	5	1.6	289	2	0.7
Health Board Total	802	17	2.1	831	16	1.9	993	38	3.8	934	26	2.8
<u>Powys Teaching Health Board</u>												
Health Board Total	268	4	1.5	297	6	2.0	344	10	2.9	299	4	1.3
<u>Swansea Bay University HB</u>												
Neath Port Talbot LA	319	7	2.2	331	11	3.3	380	13	3.4	388	5	1.3
Swansea LA	543	47	8.7	591	63	10.7	645	77	11.9	634	42	6.6
Health Board Total	862	54	6.3	922	74	8.0	1025	90	8.8	1022	47	4.6
Unknown	0	0	0.0	6	0	0.0	5	2	40.0	25	1	4.0
Wales Total	7337	337	4.6	7771	451	5.8	8598	611	7.1	8292	450	5.4

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 01/04/20 and 30/06/20 and resident on 30/06/20, 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	1	100.0	100.0	100.0	1518	2	100.0	100.0	100.0	100.0	1711	3	100.0	100.0	66.7	33.3
Betsi Cadwaladr UHB	1583	1	100.0	100.0	100.0	1712	1	100.0	100.0	100.0	100.0	1805	1	100.0	100.0	100.0	100.0
Cardiff and Vale UHB	1186	4	75.0	100.0	100.0	1313	6	100.0	100.0	100.0	50.0	1457	6	100.0	100.0	100.0	100.0
Cwm Taf Morgannwg UHB	1080	0	-	-	-	1172	0	-	-	-	-	1258	1	100.0	100.0	100.0	100.0
Hywel Dda UHB	802	0	-	-	-	831	1	100.0	100.0	100.0	-	993	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	0	-	-	-	-
Unknown	6	0	-	-	-	6	0	-	-	-	-	5	0	-	-	-	-
Wales Total	7337	6	83.3	100.0	100.0	7771	12	100.0	100.0	100.0	66.7	8598	11	100.0	100.0	90.9	81.8

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.