

Vaccine Uptake in Children in Wales

October to December 2019

COVER 133: Wales March 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 95% or higher in six of the seven Health Boards (HB) and in 20 of 22 Local Authority (LA) areas.
- Uptake of the complete three-dose course of MenB vaccine in two year olds was 94.0% this quarter. Three HBs and six LA areas had an uptake above 95%.
- Uptake of the first dose of MMR vaccine in two year old children was 94.5% this quarter. Four 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 88.7% this quarter and was 90.8% in five year olds.
- HPV vaccination has now been introduced as part of the routine schedule for school year 8 boys. Uptake of one dose of HPV vaccine in the 2019-20 school year 8 children (12-13 year olds) is currently 0.1% and will increase over the next three quarters as vaccination sessions take place.
- Uptake of routine MenACWY vaccine in the 2019-20 school year 9 cohort is 12.0%, this will increase in coming months as more vaccination sessions take place. Coverage of the MenACWY vaccine in the 2019-20 school year 10 cohort was 84.6%.
- Uptake of the Td/IPV teenage booster in the 2019-20 school year 9 cohort is 12.4%. Coverage of the Td/IPV teenage booster in the 2019-20 school year 10 was 84.5%.
- 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 91.6%.
- Coverage of one dose of MMR vaccine in the 2019-20 school year 11 (age 15-16 years) was 95.1%, coverage of two doses was 91.5%.

Background

These results are for children living in Wales in December 2019 and reaching their first, second, fourth, fifth and 16th birthdays during the quarter 01/10/2019 to 31/12/2019. 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 has 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 95.9% this quarter, compared to 95.4% last quarter. Uptake ranged by HB from 93.9% (Cardiff and Vale) to 97.2% (Cwm Taf Morgannwg) and by LA from 93.4% (Cardiff) to 99.3% (Anglesey). Six of the seven 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 increased to 96.1% this quarter compared to 95.5% last quarter, and ranged by LA from 93.5% (Cardiff) to 98.7% (Anglesey and Rhondda Cynon Taf). Six of the seven HBs and 21 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 95.9% this quarter. Uptake in HBs ranged from 93.4% (Cardiff and Vale) to 97.8% (Cwm Taf Morgannwg) and ranged by LA from 92.9% (Cardiff) to 98.7% (Anglesey) (Figure 3, Tables 2 and 3).
4. Uptake of two doses of rotavirus vaccine in children reaching their first birthday increased slightly to 93.9% this quarter. Uptake in HBs ranged from 91.6% (Cardiff and Vale) to 96.1% (Cwm Taf Morgannwg) and ranged by LA from 89.1% (Torfaen) to 96.8% (Merthyr Tydfil) (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) remains stable at 94.5% this quarter. Uptake ranged by HB from 91.7% (Cardiff and Vale) to 96.3% (Cwm Taf Morgannwg) and by LA area from 90.3% (Ceredigion) to 98.0% (Anglesey). Four 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 94.0% this quarter compared to 93.9% last quarter. Uptake ranged by HB from 90.6% (Cardiff and Vale) to 96.0% (Cwm Taf Morgannwg) and by LA from 89.9% (Cardiff) to 97.5% (Caerphilly). Three of the seven HBs and six 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 remained stable at 94.6% this quarter. Uptake ranged by HB from 91.9% (Cardiff and Vale) to 96.3% (Cwm Taf Morgannwg) and ranged by LA from 91.4% (Cardiff) to 98.4% (Caerphilly). Three HBs and eight 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 94.3% this quarter compared to 94.1% last quarter. Uptake ranged by HB from 91.7% (Cardiff and Vale) to 96.0% (Cwm Taf Morgannwg), and ranged by LA from 91.2% (Cardiff) to 98.0% (Anglesey). Three HBs and five 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 90.2%
 - The Hib/MenC booster was 95.4%
 - Two doses of MMR was 89.7%

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.

The proportion of children who were up to date with all these routine immunisations at four years of age was 88.7%. This ranged by HB from 86.6% (Aneurin Bevan) to 91.4% (Betsi Cadwaladr) and by LA from 81.8% (Blaenau Gwent) to 94.9% (Anglesey) (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 remained stable at 90.8% this quarter. This ranged by HB from 89.5% (Aneurin Bevan) to 92.4% (Betsi Cadwaladr) (Table 6).
11. In children reaching five years of age this quarter, coverage of one dose of MMR was 96.6%. Coverage of two doses of MMR was 92.3%. Coverage of two doses of MMR ranged by HB from 91.2% (Aneurin Bevan) to 93.7% (Betsi Cadwaladr) and by LA from 89.2% (Newport) to 95.5% (Merthyr Tydfil) (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 was 92.9% this quarter, ranging by HB from 92.0% (Swansea Bay) to 94.5% (Betsi Cadwaladr) and by LA from 90.5% (Newport) to 96.0% (Merthyr Tydfil). Three 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) is currently 0.1%. This is the first 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 vaccination sessions take place over the next three quarters.
14. Coverage of the first dose of HPV vaccine in the 2019-20 school year 9 is currently 86.1% and uptake of the second dose in this age group is currently 3.0%. Timings of school vaccination sessions vary throughout the year and uptake will increase as vaccination sessions take place over the next three quarters. 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 81.3% (Table 9).
15. Current uptake of the MenACWY vaccine in the 2019-20 routine school year 9 cohort is 12.0% and will increase over the next three quarters as vaccination sessions take place (Table 10 and 11). Coverage in the 2019-20 school years 10, 11 and 12, is currently 84.6%, 85.6% and 85.2% 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 12.4%. Coverage of two doses of MMR in this year group is currently 91.4% and coverage of one dose is 95.1%. Coverage of two doses of MMR vaccine ranged by HB from 88.7% (Cardiff and Vale) to 92.8% (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 91.7% (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 84.5%. Coverage ranged by HB from 76.1% (Cardiff and Vale) to 91.8% (Swansea Bay). Coverage of two doses of MMR in this year group was 91.6% and coverage of one dose was 95.3%. Coverage of two doses of MMR vaccine ranged by HB from 89.2% (Powys) to 93.5% (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 92.0% (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 85.3%. Coverage ranged by HB from 77.9% (Cardiff and Vale) to 90.6% (Swansea Bay). Coverage of two doses of MMR in this year group was 91.5% and coverage of one dose was 95.1%. Coverage of two doses of MMR vaccine ranged by HB from 88.4% (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 91.9% (Table 13).

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

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

19. Coverage of two doses of MMR in children reaching 16 years of age this quarter (between 1st October 2019 and 31st December 2019) was 91.1%, 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 91.4%. 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).
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%, 6.5%, 7.7% and 5.0% of children reaching their first, second, fifth and 16th birthdays (respectively) during quarter four of 2019. This quarter Newport LA had the highest proportion of children given BCG by one year of age (18.1%) and Cardiff LA by two years of age (19.2%).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 91.7%, uptake of four doses⁶ at their second birthday was 66.7% and uptake of four doses at their fifth birthday was 82.4%. 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

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 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, of which uptake of the third scheduled dose of meningococcal group B vaccine was lowest and uptake of the final pneumococcal conjugate vaccine was the highest. Uptake of the first MMR dose in two years olds was stable and just below 95%.

Although uptake of routine vaccinations in the youngest children remains high and stable, uptake in toddlers and older children is lower and wide geographic variation is apparent. There is a gradual downward trend in uptake at 1 and 2 years of age, apparent in all childhood vaccines since 2013, which is also seen in other UK countries.

There was an increase in mumps notifications in Wales in 2019, and this has continued into 2020. The highest number of cases have been in 16 to 30 year olds, although cases have been confirmed in all age groups. Week 48 of 2019 (week commencing 25th November) saw 251 mumps notifications, the highest number of weekly notifications in over 10 years [2]. In 2019, most notifications were reported to Cardiff or Swansea Health Protection Teams; however in 2020 notifications have been more widespread across Wales.

Two doses of MMR vaccine remains the most effective way of protecting against mumps and follow-up of those who have not received scheduled MMR remains key. Coverage of two doses of MMR vaccine remains suboptimal in older children and teenagers and declines with age; uptake was 91.5% in 16 year olds during the 2018-19 school year in Wales [3]. In addition to ensuring catch-up of toddlers and school-aged children, it is important that young adults who have previously missed out on MMR vaccinations are offered catch-up.

A [Measles and Rubella Elimination Action Plan 2019-2021](#) for Wales was published in September, and contains recommendations and actions to improve and maintain vaccine uptake and ensure continued elimination of measles and rubella in Wales, and control of mumps [4]. During 2019 a total of 13,207 cases of measles were reported across 28 EU/EEA Member States with 10 deaths [5]. This is an increased number of cases compared to 2018. There were eleven confirmed cases of measles in Wales in 2019 (provisional data); with three small clusters and number of sporadic cases.

This is the first report to include the uptake of HPV vaccine for boys following the extension of the HPV vaccination programme from the beginning of the academic year starting September 2019 [1]. Small numbers of both girls and boys have been vaccinated so far in this school year; timings of school vaccination sessions vary throughout the year and uptake will increase as vaccination sessions take place over the next three quarters.

References

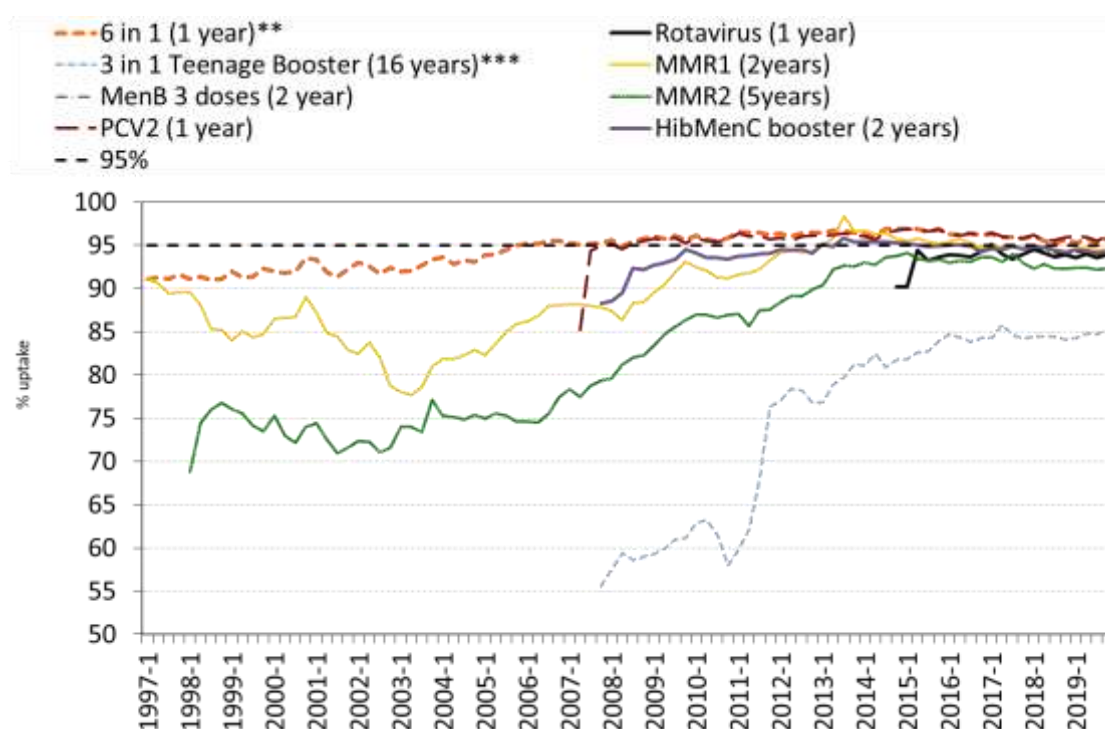
1. Welsh Health Circular- Changes to the HPV immunisation programme from the academic school year starting September 2019. Available from: [http://www.gpone.wales.nhs.uk/sitesplus/documents/1000/WHC%202019%20020%20%27Change%20to%20the%20Human%20Papillomavirus%20\(HPV\)%20Immunisation%20Programme%27%20-%20English.pdf](http://www.gpone.wales.nhs.uk/sitesplus/documents/1000/WHC%202019%20020%20%27Change%20to%20the%20Human%20Papillomavirus%20(HPV)%20Immunisation%20Programme%27%20-%20English.pdf)
2. Public Health Wales Weekly Notification of Mumps Dashboard. February 2020: <https://public.tableau.com/profile/public.health.wales.health.protection#!/vizhome/NotificationsofMUMPSinWales2014-2017/Dashboard2>
3. MMR in school-aged children in Wales annual report, available from: <http://nwww.immunisation.wales.nhs.uk/school-aged-mmr-coverage> [internal access only]
4. Wales Measles and Rubella Elimination Task Group Action Plan 2019-2021. Available from: <http://nwww.immunisation.wales.nhs.uk/opendoc/500141> [internal access only]
5. European Centre for Disease Control. Monthly measles and rubella monitoring report. February 2020. Available from: <https://www.ecdc.europa.eu/sites/default/files/documents/measles-rubella-monthly-report-february-2020.pdf>

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

Data for this report was provided by NHS Wales Informatics Service from the National Community Child Health Database (NCCHD). The data was sourced from Community Child Health databases maintained by local Child Health Office staff in Trusts throughout Wales based on regular returns from 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 1 1997 to quarter 4 2019*.

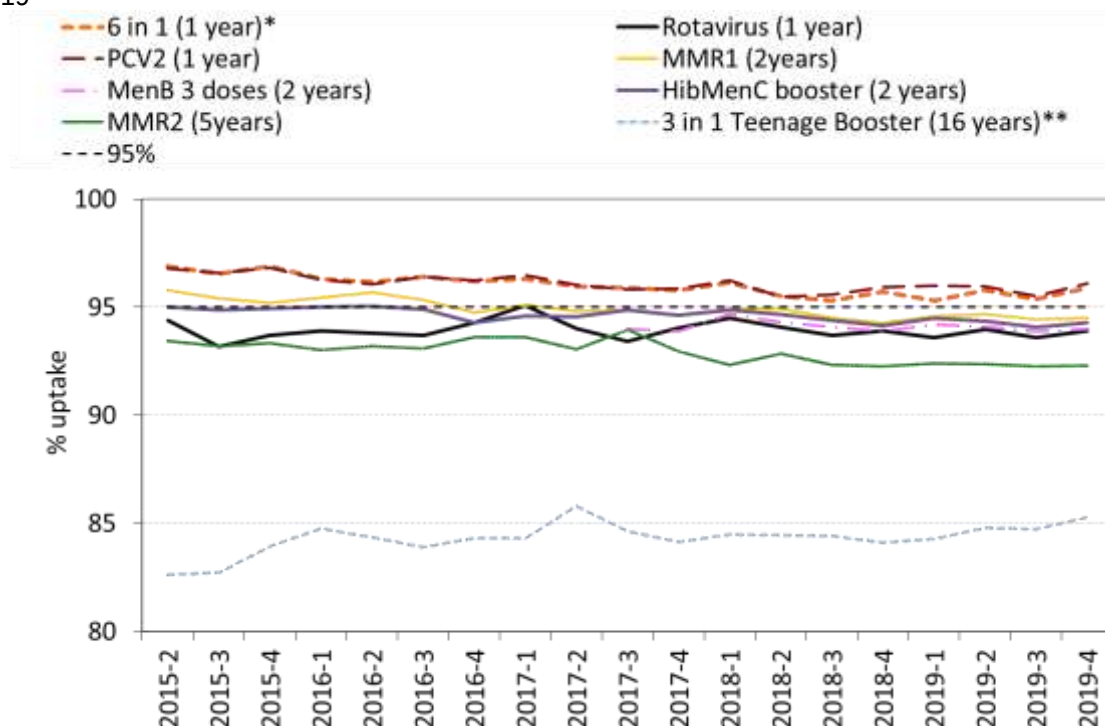


*Uptake data for quarter 3 2014 to quarter 4 2014 presented here are based on estimates calculated in August 2015, rather than published data, due to data quality problems affecting reported uptake of some immunisations in reports published during this period.

**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 2 2015 to quarter 4 2019***



* 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 01/10/19 and 31/12/19 and resident on 31/12/19.

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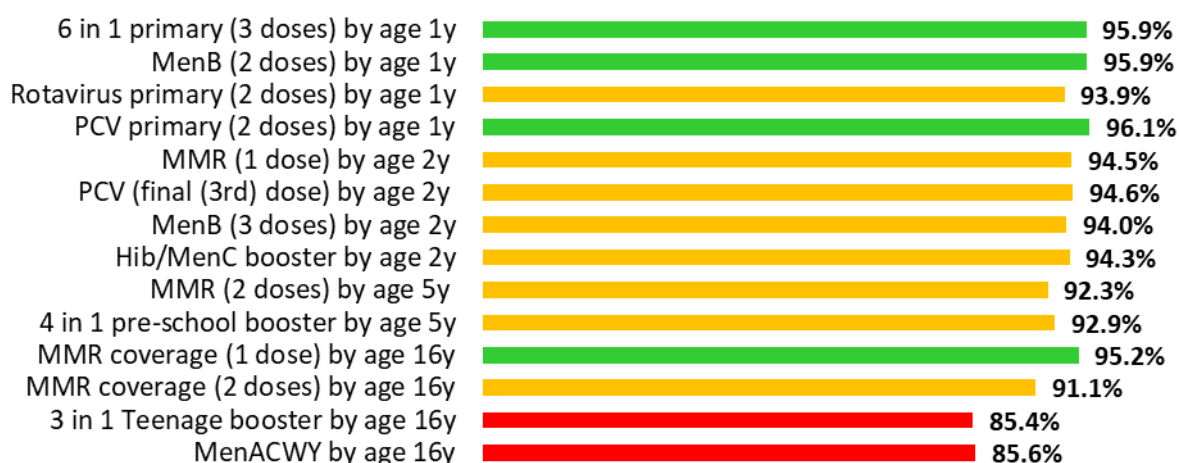


Figure 4. Percentage uptake of resident children reaching their 4th birthday between 01/10/19 and 31/12/19 and are up to date with all scheduled vaccines⁷ by health board.

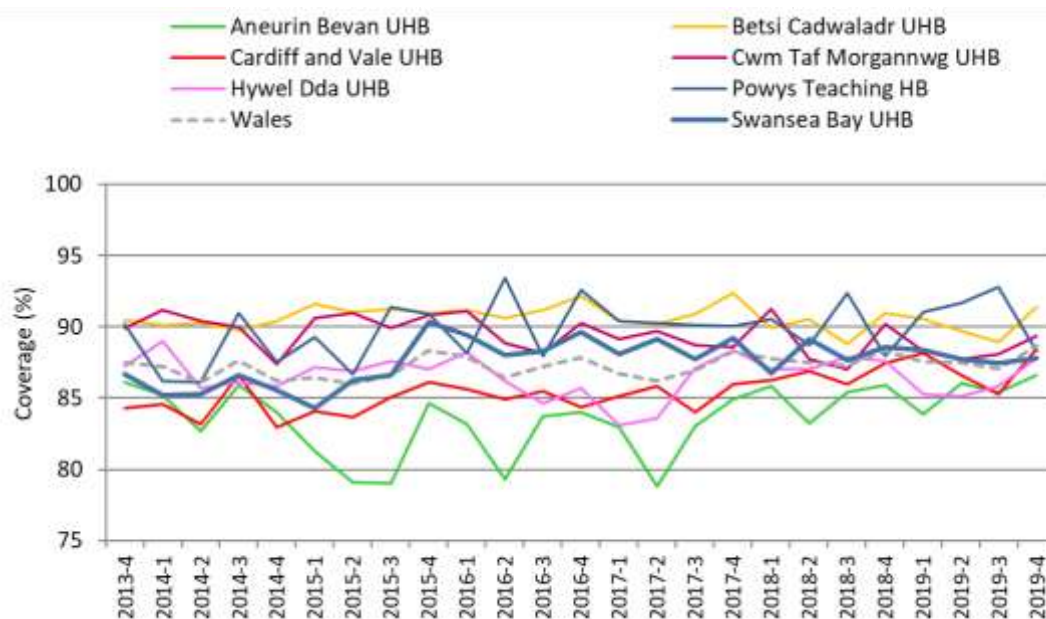


Table 1. Percentages of resident children reaching their 4th birthday during quarter 4 2018 to quarter 4 2019 who are up to date with all scheduled vaccines⁷, by Health Board.

Area	2018-4	2019-1	2019-2	2019-3	2019-4
Aneurin Bevan UHB	85.9	83.9	86.0	85.8	86.6
Betsi Cadwaladr UHB	91.0	90.6	89.7	89.4	91.4
Cardiff and Vale UHB	87.5	88.2	86.6	85.7	88.4
Cwm Taf Morgannwg UHB	90.2	88.3	87.8	88.4	89.3
Hywel Dda UHB	87.6	85.3	85.1	86.1	87.8
Powys Teaching HB	88.0	91.0	91.6	92.4	88.3
Swansea Bay UHB	88.6	88.4	87.7	88.0	87.8
Wales	88.3	87.6	87.5	87.4	88.7

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 4 2013 to quarter 4 2019, 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 01/10/19 and 31/12/19.

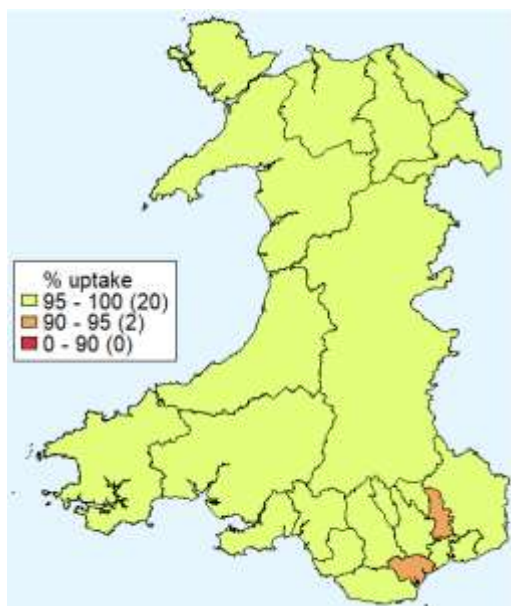


Figure 7. Uptake of at least one dose of MMR immunisation in Welsh Local Authority areas in children reaching their 2nd birthday between 01/10/19 and 31/12/19.

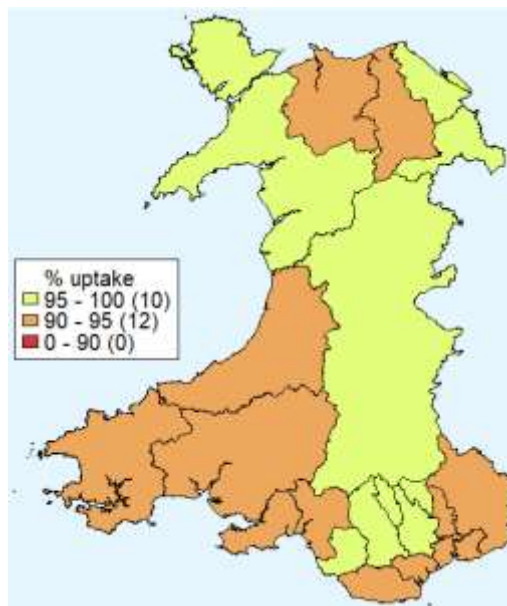


Figure 8. Uptake of two doses of MMR vaccine in Welsh Local Authority areas in children reaching their 5th birthday between 01/10/19 and 31/12/19.

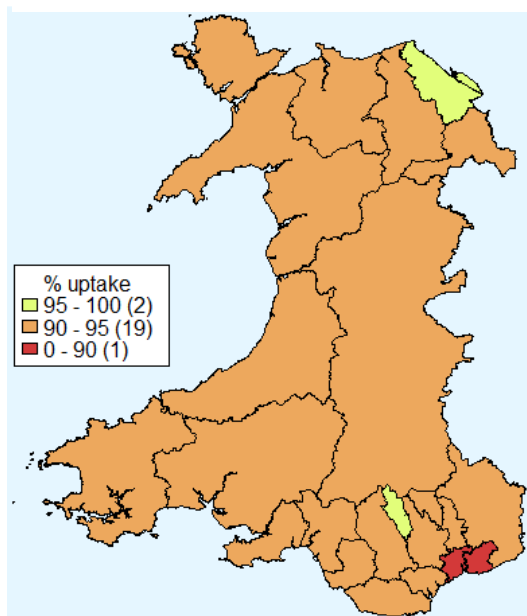


Figure 9. Uptake of “4 in 1” vaccine in Welsh Local Authority areas in children reaching their 5th birthday between 01/10/19 and 31/12/19.

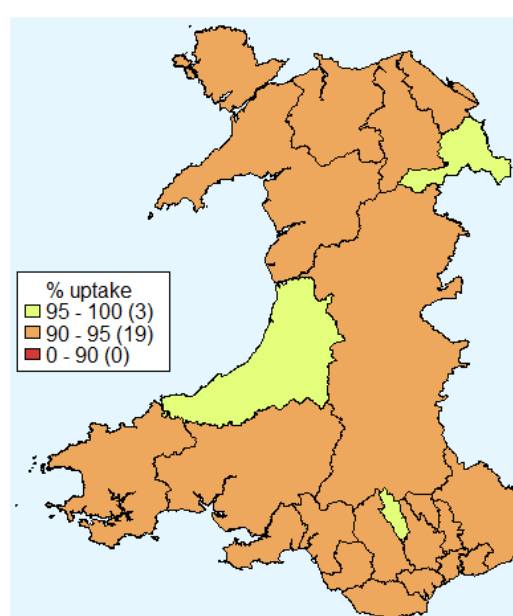


Table 2. Summary table with uptake of selected immunisations in resident children reaching their 1st, 2nd, 4th, 5th and 16th birthday between 01/10/19 and 31/12/19 and resident on 31/12/19.

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	184	96.2	96.7	96.7	94.6	192	95.8	95.3	94.3	93.8	192	81.8	175	92.6	92.0	194	96.9	94.8	88.1	88.7
Caerphilly LA	472	95.3	95.6	95.6	94.5	515	97.5	98.4	97.5	97.7	551	88.4	569	92.6	93.5	498	97.0	93.6	84.7	84.3
Monmouthshire LA	185	96.2	95.7	96.8	95.7	180	94.4	94.4	93.3	93.3	202	90.6	245	90.2	90.6	309	93.9	91.3	80.3	80.3
Newport LA	520	95.6	95.8	96.2	92.5	493	93.5	93.9	93.7	93.7	556	83.8	545	89.2	90.5	470	94.3	90.0	78.7	78.7
Torfaen LA	239	94.1	95.0	95.0	89.1	288	94.4	94.4	94.4	94.8	275	89.1	253	92.1	93.7	237	98.7	97.0	86.5	87.3
Health Board Total	1600	95.4	95.7	95.9	93.2	1668	95.3	95.6	95.0	95.1	1776	86.6	1787	91.2	92.1	1708	95.9	92.8	82.9	83.0
Betsi Cadwaladr UHB																				
Anglesey LA	153	99.3	98.7	98.7	96.1	149	98.0	97.3	97.3	98.0	178	94.9	188	91.5	93.1	183	95.1	92.9	82.5	83.6
Conwy LA	237	97.5	98.3	98.3	96.2	274	94.5	94.9	94.2	94.5	307	90.9	279	93.2	93.9	289	95.5	91.3	84.8	83.4
Denbighshire LA	228	95.6	95.6	95.6	92.1	231	93.9	94.4	93.9	94.4	253	85.8	262	93.1	94.7	293	92.5	89.1	87.0	86.3
Flintshire LA	394	96.2	95.7	96.2	94.2	412	97.1	96.8	95.9	97.1	393	93.4	436	95.0	94.5	376	97.1	92.3	85.4	84.6
Gwynedd LA	273	96.7	97.4	96.7	93.0	246	95.1	95.1	95.1	94.3	314	92.0	291	93.1	94.5	288	96.5	95.8	87.2	89.2
Wrexham LA	336	95.8	95.8	96.1	93.8	376	95.7	95.2	94.9	94.9	386	91.5	395	94.7	95.4	350	96.0	93.4	87.7	86.9
Health Board Total	1621	96.6	96.7	96.7	94.1	1688	95.7	95.6	95.1	95.5	1831	91.4	1851	93.7	94.5	1779	95.6	92.5	86.0	85.8
Cardiff and Vale UHB																				
Cardiff LA	969	93.4	92.9	93.5	91.0	994	90.9	91.4	89.9	91.2	1078	87.1	1126	92.3	92.7	956	92.7	87.3	77.4	77.7
Vale of Glamorgan LA	335	95.2	94.9	95.2	93.1	344	93.9	93.3	92.4	93.0	399	92.0	378	92.6	92.6	372	94.4	89.2	83.3	82.8
Health Board Total	1304	93.9	93.4	93.9	91.6	1338	91.7	91.9	90.6	91.7	1477	88.4	1504	92.4	92.7	1328	93.1	87.9	79.1	79.1
Cwm Taf Morgannwg UHB																				
Bridgend LA	353	95.5	96.6	96.9	94.9	355	95.2	94.9	94.6	94.4	387	88.1	433	92.1	92.6	400	96.8	91.8	85.5	84.5
Merthyr Tydfil LA	154	96.1	97.4	97.4	96.8	175	96.0	97.1	96.0	96.6	165	89.1	201	95.5	96.0	164	93.3	89.6	87.8	86.6
Rhondda Cynon Taf LA	617	98.4	98.5	98.7	96.6	653	96.9	96.8	96.8	96.8	657	90.1	677	93.6	94.1	657	94.8	91.3	93.2	92.8
Health Board Total	1124	97.2	97.8	98.0	96.1	1183	96.3	96.3	96.0	96.0	1209	89.3	1311	93.4	93.9	1221	95.2	91.2	89.9	89.3
Hywel Dda UHB																				
Cardiganshire LA	479	95.8	95.8	96.2	93.3	466	94.4	94.6	94.4	94.4	488	88.1	483	91.7	92.1	495	94.3	90.5	87.5	87.3
Ceredigion LA	124	97.6	96.8	96.8	95.2	145	90.3	92.4	92.4	91.7	147	93.2	156	94.9	95.5	158	95.6	92.4	89.9	90.5
Pembrokeshire LA	245	96.7	96.3	96.7	95.1	277	93.1	92.8	91.0	92.1	301	84.7	312	90.1	90.7	316	95.6	89.9	84.8	85.8
Health Board Total	848	96.3	96.1	96.5	94.1	888	93.4	93.7	93.0	93.2	936	87.8	951	91.7	92.2	969	94.9	90.6	87.0	87.3
Powys Teaching UHB																				
Health Board Total	261	96.2	96.2	95.8	93.9	296	95.6	94.6	94.3	94.6	274	88.3	319	91.8	92.2	318	94.7	90.6	89.0	87.7
Swansea Bay UHB																				
Neath Port Talbot LA	368	96.2	96.5	96.2	95.4	389	93.6	94.1	93.6	93.8	382	86.4	412	92.2	93.0	367	96.2	89.4	92.4	91.8
Swansea LA	557	95.9	95.9	95.9	94.4	593	93.8	93.3	93.1	93.3	625	88.6	641	91.0	91.4	641	95.9	91.7	88.9	88.1
Health Board Total	925	96.0	96.1	96.0	94.8	982	93.7	93.6	93.3	93.5	1007	87.8	1053	91.5	92.0	1008	96.0	90.9	90.2	89.5
Unknown	14	100.0	100.0	100.0	100.0	10	90.0	90.0	90.0	90.0	8	100.0	11	54.5	63.6	34	97.1	91.2	85.3	85.3
Wales Total	7697	95.9	95.9	96.1	93.9	8053	94.5	94.6	94.0	94.3	8518	88.7	8787	92.3	92.9	8365	95.2	91.1	85.6	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 01/10/19 and 31/12/19 and resident on 31/12/19.

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	177	96.2	177	96.2	177	96.2	177	96.2	177	96.2	177	96.2	1	0.5	174	94.6	178	96.7	178	96.7	1	0.5
Caerphilly LA	472	450	95.3	450	95.3	450	95.3	450	95.3	450	95.3	449	95.1	0	0.0	446	94.5	451	95.6	451	95.6	0	0.0
Monmouthshire LA	185	178	96.2	178	96.2	178	96.2	178	96.2	178	96.2	175	94.6	1	0.5	177	95.7	179	96.8	177	95.7	1	0.5
Newport LA	520	497	95.6	497	95.6	497	95.6	497	95.6	497	95.6	497	95.6	0	0.0	481	92.5	500	96.2	498	95.8	0	0.0
Torfaen LA	239	225	94.1	225	94.1	225	94.1	225	94.1	225	94.1	224	93.7	0	0.0	213	89.1	227	95.0	227	95.0	0	0.0
Health Board Total	1600	1527	95.4	1527	95.4	1527	95.4	1527	95.4	1527	95.4	1522	95.1	2	0.1	1491	93.2	1535	95.9	1531	95.7	2	0.1
<u>Betsi Cadwaladr University HB</u>																							
Anglesey LA	153	152	99.3	152	99.3	152	99.3	152	99.3	152	99.3	152	99.3	0	0.0	147	96.1	151	98.7	151	98.7	0	0.0
Conwy LA	237	231	97.5	231	97.5	231	97.5	231	97.5	231	97.5	231	97.5	0	0.0	228	96.2	233	98.3	233	98.3	1	0.4
Denbighshire LA	228	218	95.6	218	95.6	218	95.6	218	95.6	218	95.6	218	95.6	0	0.0	210	92.1	218	95.6	218	95.6	0	0.0
Flintshire LA	394	379	96.2	379	96.2	379	96.2	379	96.2	379	96.2	380	96.4	2	0.5	371	94.2	379	96.2	377	95.7	2	0.5
Gwynedd LA	273	264	96.7	264	96.7	264	96.7	264	96.7	264	96.7	265	97.1	0	0.0	254	93.0	264	96.7	266	97.4	0	0.0
Wrexham LA	336	322	95.8	322	95.8	322	95.8	322	95.8	322	95.8	322	95.8	1	0.3	315	93.8	323	96.1	322	95.8	0	0.0
Health Board Total	1621	1566	96.6	1566	96.6	1566	96.6	1566	96.6	1566	96.6	1568	96.7	3	0.2	1525	94.1	1568	96.7	1567	96.7	3	0.2
<u>Cardiff and Vale University HB</u>																							
Cardiff LA	969	905	93.4	905	93.4	905	93.4	904	93.3	904	93.3	906	93.5	7	0.7	882	91.0	906	93.5	900	92.9	2	0.2
Vale of Glamorgan LA	335	319	95.2	319	95.2	319	95.2	319	95.2	319	95.2	319	95.2	2	0.6	312	93.1	319	95.2	318	94.9	1	0.3
Health Board Total	1304	1224	93.9	1224	93.9	1224	93.9	1223	93.8	1223	93.8	1225	93.9	9	0.7	1194	91.6	1225	93.9	1218	93.4	3	0.2
<u>Cwm Taf Morgannwg University HB</u>																							
Bridgend LA	353	337	95.5	337	95.5	337	95.5	337	95.5	337	95.5	337	95.5	0	0.0	335	94.9	342	96.9	341	96.6	0	0.0
Merthyr Tydfil LA	154	148	96.1	148	96.1	148	96.1	149	96.8	148	96.1	149	96.8	0	0.0	149	96.8	150	97.4	150	97.4	1	0.6
Rhondda Cynon Taf LA	617	607	98.4	607	98.4	607	98.4	607	98.4	607	98.4	607	98.4	2	0.3	596	96.6	609	98.7	608	98.5	2	0.3
Health Board Total	1124	1092	97.2	1092	97.2	1092	97.2	1093	97.2	1092	97.2	1093	97.2	2	0.2	1080	96.1	1101	98.0	1099	97.8	3	0.3
<u>Hywel Dda University HB</u>																							
Carmarthenshire LA	479	459	95.8	459	95.8	459	95.8	459	95.8	459	95.8	456	95.2	2	0.4	447	93.3	461	96.2	459	95.8	2	0.4
Ceredigion LA	124	121	97.6	121	97.6	121	97.6	121	97.6	121	97.6	121	97.6	1	0.8	118	95.2	120	96.8	120	96.8	0	0.0
Pembrokeshire LA	245	237	96.7	237	96.7	237	96.7	237	96.7	237	96.7	237	96.7	1	0.4	233	95.1	237	96.7	236	96.3	0	0.0
Health Board Total	848	817	96.3	817	96.3	817	96.3	817	96.3	817	96.3	814	96.0	4	0.5	798	94.1	818	96.5	815	96.1	2	0.2
<u>Powys Teaching HB</u>																							
Health Board Total	261	251	96.2	251	96.2	251	96.2	251	96.2	251	96.2	250	95.8	1	0.4	245	93.9	250	95.8	251	96.2	1	0.4
<u>Swansea Bay University HB</u>																							
Neath Port Talbot LA	368	354	96.2	354	96.2	354	96.2	354	96.2	354	96.2	354	96.2	2	0.5	351	95.4	354	96.2	355	96.5	0	0.0
Swansea LA	557	534	95.9	534	95.9	534	95.9	534	95.9	534	95.9	534	95.9	2	0.4	526	94.4	534	95.9	534	95.9	0	0.0
Health Board Total	925	888	96.0	888	96.0	888	96.0	888	96.0	888	96.0	888	96.0	4	0.4	877	94.8	888	96.0	889	96.1	0	0.0
Unknown	14	14	100.0	14	100.0	14	100.0	14	100.0	14	100.0	14	100.0	0	0.0	14	100.0	14	100.0	14	100.0	0	0.0
Wales Total	7697	7379	95.9	7379	95.9	7379	95.9	7379	95.9	7378	95.9	7374	95.8	25	0.3	7224	93.9	7399	96.1	7384	95.9	14	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 01/10/19 and 31/12/19 and resident on 31/12/19.

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)	(%)
Blaenau Gwent LA	192	188	97.9	188	97.9	188	97.9	188	97.9	188	97.9	184	95.8
Caerphilly LA	515	506	98.3	506	98.3	506	98.3	506	98.3	505	98.1	499	96.9
Monmouthshire LA	180	172	95.6	172	95.6	172	95.6	172	95.6	172	95.6	170	94.4
Newport LA	493	473	95.9	473	95.9	473	95.9	473	95.9	473	95.9	469	95.1
Torfaen LA	288	277	96.2	277	96.2	277	96.2	277	96.2	277	96.2	272	94.4
Health Board Total	1668	1616	96.9	1616	96.9	1616	96.9	1616	96.9	1615	96.8	1605	96.2
1589	95.3	1597	95.7	1595	95.6	1585	95.0	1586	95.1				
<u>Betsi Cadwaladr University HB</u>													
Anglesey LA	149	147	98.7	147	98.7	147	98.7	147	98.7	147	98.7	147	98.7
Conwy LA	274	265	96.7	265	96.7	265	96.7	265	96.7	265	96.7	259	94.5
Denbighshire LA	231	224	97.0	224	97.0	224	97.0	223	96.5	224	97.0	223	96.5
Flintshire LA	412	405	98.3	405	98.3	405	98.3	405	98.3	404	98.1	400	97.1
Gwynedd LA	246	236	95.9	236	95.9	236	95.9	236	95.9	236	95.9	234	95.1
Wrexham LA	376	364	96.8	364	96.8	364	96.8	364	96.8	364	96.8	360	95.7
Health Board Total	1688	1641	97.2	1641	97.2	1641	97.2	1640	97.2	1641	97.2	1639	97.1
1616	95.7	1624	96.2	1614	95.6	1606	95.1	1612	95.5				
<u>Cardiff and Vale University HB</u>													
Cardiff LA	994	940	94.6	940	94.6	940	94.6	940	94.6	940	94.6	936	94.2
Vale of Glamorgan LA	344	331	96.2	331	96.2	331	96.2	331	96.2	331	96.2	327	95.1
Health Board Total	1338	1271	95.0	1271	95.0	1271	95.0	1271	95.0	1271	95.0	1263	94.4
1227	91.7	1248	93.3	1230	91.9	1212	90.6	1227	91.7				
<u>Cwm Taf Morgannwg University HB</u>													
Bridgend LA	355	346	97.5	346	97.5	346	97.5	346	97.5	346	97.5	344	96.9
Merthyr Tydfil LA	175	172	98.3	172	98.3	172	98.3	172	98.3	171	97.7	171	97.7
Rhondda Cynon Taf LA	653	643	98.5	643	98.5	643	98.5	643	98.5	643	98.5	642	98.3
Health Board Total	1183	1161	98.1	1161	98.1	1161	98.1	1161	98.1	1160	98.1	1157	97.8
1139	96.3	1157	97.8	1139	96.3	1136	96.0	1136	96.0				
<u>Hywel Dda University HB</u>													
Carmarthenshire LA	466	450	96.6	450	96.6	450	96.6	450	96.6	450	96.6	444	95.3
Ceredigion LA	145	135	93.1	135	93.1	135	93.1	135	93.1	135	93.1	130	89.7
Pembrokeshire LA	277	264	95.3	264	95.3	264	95.3	264	95.3	264	95.3	262	94.6
Health Board Total	888	849	95.6	849	95.6	849	95.6	849	95.6	849	95.6	836	94.1
829	93.4	838	94.4	832	93.7	826	93.0	828	93.2				
<u>Powys Teaching HB</u>													
Health Board Total	296	281	94.9	281	94.9	281	94.9	282	95.3	281	94.9	282	95.3
283	95.6	274	92.6	280	94.6	279	94.3	280	94.6				
<u>Swansea Bay University HB</u>													
Neath Port Talbot LA	389	381	97.9	381	97.9	381	97.9	381	97.9	381	97.9	380	97.7
Swansea LA	593	569	96.0	569	96.0	569	96.0	569	96.0	569	96.0	567	95.6
Health Board Total	982	950	96.7	950	96.7	950	96.7	950	96.7	950	96.7	947	96.4
920	93.7	941	95.8	919	93.6	916	93.3	918	93.5				
Unknown	10	9	90.0	9	90.0	9	90.0	9	90.0	9	90.0	9	90.0
9	90.0	9	90.0	9	90.0	9	90.0	9	90.0				
Wales Total	8053	7778	96.6	7778	96.6	7778	96.6	7778	96.6	7776	96.6	7738	96.1
7612	94.5	7688	95.5	7618	94.6	7569	94.0	7596	94.3				

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 01/10/19 and 31/12/19 and resident on 31/12/19. 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	
Aneurin Bevan University HB	(n)	(n)	(%)	(n)	(%)	(n)	(%)	(n)	(%)
Blaenau Gwent LA	192	159	82.8	184	95.8	158	82.3	157	81.8
Caerphilly LA	551	491	89.1	533	96.7	491	89.1	487	88.4
Monmouthshire LA	202	189	93.6	195	96.5	184	91.1	183	90.6
Newport LA	556	482	86.7	510	91.7	478	86.0	466	83.8
Torfaen LA	275	249	90.5	261	94.9	249	90.5	245	89.1
Health Board Total	1776	1570	88.4	1683	94.8	1560	87.8	1538	86.6
Betsi Cadwaladr University HB									
Anglesey LA	178	170	95.5	175	98.3	170	95.5	169	94.9
Conwy LA	307	281	91.5	299	97.4	280	91.2	279	90.9
Denbighshire LA	253	221	87.4	236	93.3	221	87.4	217	85.8
Flintshire LA	393	373	94.9	382	97.2	368	93.6	367	93.4
Gwynedd LA	314	293	93.3	304	96.8	290	92.4	289	92.0
Wrexham LA	386	356	92.2	371	96.1	353	91.5	353	91.5
Health Board Total	1831	1694	92.5	1767	96.5	1682	91.9	1674	91.4
Cardiff and Vale University HB									
Cardiff LA	1078	956	88.7	1020	94.6	956	88.7	939	87.1
Vale of Glamorgan LA	399	372	93.2	388	97.2	370	92.7	367	92.0
Health Board Total	1477	1328	89.9	1408	95.3	1326	89.8	1306	88.4
Cwm Taf Morgannwg University HB									
Bridgend LA	387	344	88.9	369	95.3	344	88.9	341	88.1
Merthyr Tydfil LA	165	150	90.9	159	96.4	150	90.9	147	89.1
Rhondda Cynon Taf LA	657	599	91.2	639	97.3	594	90.4	592	90.1
Health Board Total	1209	1093	90.4	1167	96.5	1088	90.0	1080	89.3
Hywel Dda University HB									
Carmarthenshire LA	488	439	90.0	458	93.9	436	89.3	430	88.1
Ceredigion LA	147	138	93.9	139	94.6	137	93.2	137	93.2
Pembrokeshire LA	301	257	85.4	280	93.0	256	85.0	255	84.7
Health Board Total	936	834	89.1	877	93.7	829	88.6	822	87.8
Powys Teaching HB									
Health Board Total	274	252	92.0	259	94.5	247	90.1	242	88.3
Swansea Bay University HB									
Neath Port Talbot LA	382	337	88.2	366	95.8	337	88.2	330	86.4
Swansea LA	625	566	90.6	593	94.9	560	89.6	554	88.6
Health Board Total	1007	903	89.7	959	95.2	897	89.1	884	87.8
Unknown	8	8	100.0	8	100.0	8	100.0	8	100.0
Wales Total	8518	7682	90.2	8128	95.4	7637	89.7	7554	88.7

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 01/10/19 and 31/12/19 and resident on 31/12/19. 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	
Aneurin Bevan University HB	(n)	(n)	(%)	(n)	(%)	(n)	(%)	(n)	(%)
Blaenau Gwent LA	175	161	92.0	165	94.3	162	92.6	156	89.1
Caerphilly LA	569	532	93.5	548	96.3	527	92.6	524	92.1
Monmouthshire LA	245	222	90.6	229	93.5	221	90.2	217	88.6
Newport LA	545	493	90.5	488	89.5	486	89.2	473	86.8
Torfaen LA	253	237	93.7	239	94.5	233	92.1	229	90.5
Health Board Total	1787	1645	92.1	1669	93.4	1629	91.2	1599	89.5
Betsi Cadwaladr University HB									
Anglesey LA	188	175	93.1	173	92.0	172	91.5	169	89.9
Conwy LA	279	262	93.9	266	95.3	260	93.2	258	92.5
Denbighshire LA	262	248	94.7	248	94.7	244	93.1	238	90.8
Flintshire LA	436	412	94.5	415	95.2	414	95.0	408	93.6
Gwynedd LA	291	275	94.5	272	93.5	271	93.1	267	91.8
Wrexham LA	395	377	95.4	379	95.9	374	94.7	370	93.7
Health Board Total	1851	1749	94.5	1753	94.7	1735	93.7	1710	92.4
Cardiff and Vale University HB									
Cardiff LA	1126	1044	92.7	1069	94.9	1039	92.3	1010	89.7
Vale of Glamorgan LA	378	350	92.6	365	96.6	350	92.6	347	91.8
Health Board Total	1504	1394	92.7	1434	95.3	1389	92.4	1357	90.2
Cwm Taf Morgannwg University HB									
Bridgend LA	433	401	92.6	418	96.5	399	92.1	394	91.0
Merthyr Tydfil LA	201	193	96.0	194	96.5	192	95.5	189	94.0
Rhondda Cynon Taf LA	677	637	94.1	652	96.3	634	93.6	627	92.6
Health Board Total	1311	1231	93.9	1264	96.4	1225	93.4	1210	92.3
Hywel Dda University HB									
Carmarthenshire LA	483	445	92.1	455	94.2	443	91.7	433	89.6
Ceredigion LA	156	149	95.5	148	94.9	148	94.9	145	92.9
Pembrokeshire LA	312	283	90.7	298	95.5	281	90.1	277	88.8
Health Board Total	951	877	92.2	901	94.7	872	91.7	855	89.9
Powys Teaching HB									
Health Board Total	319	294	92.2	296	92.8	293	91.8	289	90.6
Swansea Bay University HB									
Neath Port Talbot LA	412	383	93.0	400	97.1	380	92.2	377	91.5
Swansea LA	641	586	91.4	616	96.1	583	91.0	578	90.2
Health Board Total	1053	969	92.0	1016	96.5	963	91.5	955	90.7
Unknown	11	7	63.6	9	81.8	6	54.5	6	54.5
Wales Total	8787	8166	92.9	8342	94.9	8112	92.3	7981	90.8

¹ Uptake of acellular pertussis used as proxy

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

Table 7. Vaccine uptake in children reaching their 5th birthday between 01/10/19 and 31/12/19 and resident on 31/12/19.

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)	(%)	(n)	(%)	(n)	(%)	(n)	(%)	(n)	(%)	(n)	(%)	(n)	(%)	(n)	(%)	
Blaenau Gwent LA	175	171	97.7	171	97.7	171	97.7	171	97.7	171	97.7	171	97.7	164	93.7	165	94.3	170	97.1	162	92.6	161	92.0	161	92.0	161	92.0	161	92.0	
Caerphilly LA	569	556	97.7	556	97.7	556	97.7	556	97.7	556	97.7	554	97.4	542	95.3	548	96.3	554	97.4	527	92.6	532	93.5	532	93.5	532	93.5	532	93.5	
Monmouthshire LA	245	231	94.3	231	94.3	231	94.3	231	94.3	230	93.9	226	92.2	229	93.5	229	93.5	234	95.5	221	90.2	222	90.6	222	90.6	222	90.6	221	90.2	
Newport LA	545	520	95.4	520	95.4	520	95.4	520	95.4	516	94.7	501	91.9	498	91.4	488	89.5	511	93.8	486	89.2	493	90.5	493	90.5	493	90.5	493	90.5	
Torfaen LA	253	248	98.0	248	98.0	248	98.0	248	98.0	248	98.0	248	98.0	238	94.1	239	94.5	246	97.2	233	92.1	237	93.7	237	93.7	237	93.7	237	93.7	
Health Board Total	1787	1726	96.6	1726	96.6	1726	96.6	1726	96.6	1721	96.3	1700	95.1	1671	93.5	1669	93.4	1715	96.0	1629	91.2	1645	92.1	1645	92.1	1645	92.1	1644	92.0	
<u>Betsi Cadwaladr University HB</u>																														
Anglesey LA	188	179	95.2	179	95.2	179	95.2	179	95.2	179	95.2	176	93.6	175	93.1	173	92.0	178	94.7	172	91.5	175	93.1	175	93.1	175	93.1	175	93.1	
Conwy LA	279	272	97.5	272	97.5	272	97.5	272	97.5	272	97.5	269	96.4	263	94.3	266	95.3	268	96.1	260	93.2	262	93.9	262	93.9	262	93.9	262	93.9	
Denbighshire LA	262	258	98.5	258	98.5	258	98.5	258	98.5	258	98.5	250	95.4	251	95.8	248	94.7	255	97.3	244	93.1	248	94.7	248	94.7	248	94.7	248	94.7	
Flintshire LA	436	422	96.8	422	96.8	422	96.8	422	96.8	420	96.3	398	91.3	415	95.2	415	95.2	421	96.6	414	95.0	412	94.5	412	94.5	412	94.5	412	94.5	
Gwynedd LA	291	281	96.6	281	96.6	281	96.6	281	96.6	281	96.6	272	93.5	272	93.5	272	93.5	280	96.2	271	93.1	275	94.5	275	94.5	275	94.5	275	94.5	
Wrexham LA	395	388	98.2	388	98.2	388	98.2	387	98.0	387	98.0	374	94.7	379	95.9	379	95.9	383	97.0	374	94.7	378	95.7	378	95.7	377	95.4	378	95.7	
Health Board Total	1851	1800	97.2	1800	97.2	1800	97.2	1799	97.2	1797	97.1	1739	93.9	1755	94.8	1753	94.7	1785	96.4	1735	93.7	1750	94.5	1750	94.5	1749	94.5	1750	94.5	
<u>Cardiff and Vale University HB</u>																														
Cardiff LA	1126	1093	97.1	1093	97.1	1093	97.1	1093	97.1	1092	97.0	1027	91.2	1033	91.7	1069	94.9	1093	97.1	1039	92.3	1044	92.7	1044	92.7	1044	92.7	1045	92.8	
Vale of Glamorgan LA	378	367	97.1	367	97.1	367	97.1	367	97.1	367	97.1	364	96.3	361	95.5	365	96.6	368	97.4	350	92.6	350	92.6	350	92.6	350	92.6	350	92.6	
Health Board Total	1504	1460	97.1	1460	97.1	1460	97.1	1460	97.1	1459	97.0	1391	92.5	1394	92.7	1434	95.3	1461	97.1	1389	92.4	1394	92.7	1394	92.7	1394	92.7	1395	92.8	
<u>Cwm Taf Morgannwg University HB</u>																														
Bridgend LA	433	423	97.7	423	97.7	423	97.7	423	97.7	423	97.7	411	94.9	416	96.1	418	96.5	422	97.5	399	92.1	401	92.6	401	92.6	401	92.6	401	92.6	
Merthyr Tydfil LA	201	199	99.0	199	99.0	199	99.0	199	99.0	199	99.0	197	98.0	195	97	194	96.5	198	98.5	192	95.5	193	96.0	193	96.0	193	96.0	193	96.0	
Rhondda Cynon Taf LA	677	668	98.7	668	98.7	668	98.7	668	98.7	668	98.7	659	97.3	656	96.9	652	96.3	661	97.6	634	93.6	637	94.1	637	94.1	637	94.1	637	94.1	
Health Board Total	1311	1290	98.4	1290	98.4	1290	98.4	1290	98.4	1290	98.4	1267	96.6	1267	96.6	1264	96.4	1281	97.7	1225	93.4	1231	93.9	1231	93.9	1231	93.9	1231	93.9	
<u>Hywel Dda University HB</u>																														
Cardiff and Vale LA	483	470	97.3	470	97.3	470	97.3	469	97.1	470	97.3	460	95.2	452	93.6	455	94.2	465	96.3	443	91.7	445	92.1	445	92.1	445	92.1	444	91.9	
Ceredigion LA	156	151	96.8	151	96.8	151	96.8	151	96.8	151	96.8	143	91.7	150	96.2	148	94.9	151	96.8	148	94.9	149	95.5	149	95.5	149	95.5	149	95.5	
Pembrokeshire LA	312	306	98.1	306	98.1	306	98.1	306	98.1	305	97.8	296	94.9	294	94.2	298	95.5	300	96.2	281	90.1	283	90.7	283	90.7	283	90.7	284	91.0	
Health Board Total	951	927	97.5	927	97.5	927	97.5	926	97.4	926	97.4	899	94.5	896	94.2	901	94.7	916	96.3	872	91.7	877	92.2	877	92.2	877	92.2	877	92.2	
<u>Powys Teaching HB</u>																														
Health Board Total	319	299	93.7	299	93.7	299	93.7	299	93.7	298	93.4	292	91.5	289	90.6	296	92.8	301	94.4	293	91.8	294	92.2	294	92.2	294	92.2	294	92.2	
<u>Swansea Bay University HB</u>																														
Neath Port Talbot LA	412	407	98.8	407	98.8	407	98.8	407	98.8	407	98.8	405	98.3	395	95.9	400	97.1	400	97.1	380	92.2	383	93.0	383	93.0	383	93.0	383	93.0	
Swansea LA	641	621	96.9	621	96.9	621	96.9	620	96.7	619	96.6	597	93.1	600	93.6	616	96.1	620	96.7	583	91.0	586	91.4	586	91.4	586	91.4	586	91.4	
Health Board Total	1053	1028	97.6	1028	97.6	1028	97.6	1027	97.5	1026	97.4	1002	95.2	995	94.5	1016	96.5	1020	96.9	963	91.5	969	92.0	969	92.0	969	92.0	969	92.0	
Unknown	11	9	81.8	9	81.8	9	81.8	9	81.8	9	81.8	8	72.7	9	81.8	9	81.8	10	90.9	6	54.5	7	63.6	7	63.6	7	63.6	7	63.6	
Wales Total	8787	8539	97.2	8539	97.2	8539	97.2	8536	97.1	8526	97.0	8298	94.4	8276	94.2	8342	94.9	8489	96.6	8112	92.3	8167	92.9	8167	92.9	8166	92.9	8167	92.9	

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 31/12/19, with breakdown of coverage for sex.

Area	Resident children	HPV 1 dose		Resident girls	HPV 1 dose (girls)		Resident boys	HPV 1 dose (boys)	
	(n)	(n)	(%)	(n)	(n)	(%)	(n)	(n)	(%)
<u>Aneurin Bevan University HB</u>									
Blaenau Gwent LA	721	2	0.3	386	2	0.5	335	0	0.0
Caerphilly LA	2089	0	0.0	1045	0	0.0	1044	0	0.0
Monmouthshire LA	1043	0	0.0	510	0	0.0	533	0	0.0
Newport LA	2017	2	0.1	978	2	0.2	1038	0	0.0
Torfaen LA	1124	0	0.0	543	0	0.0	581	0	0.0
Health Board Total	6994	4	0.1	3462	4	0.1	3531	0	0.0
<u>Betsi Cadwaladr University HB</u>									
Anglesey LA	773	0	0.0	369	0	0.0	404	0	0.0
Conwy LA	1182	0	0.0	584	0	0.0	598	0	0.0
Denbighshire LA	1106	3	0.3	533	2	0.4	572	1	0.2
Flintshire LA	1781	2	0.1	883	1	0.1	898	1	0.1
Gwynedd LA	1326	3	0.2	652	2	0.3	674	1	0.1
Wrexham LA	1561	0	0.0	740	0	0.0	821	0	0.0
Health Board Total	7729	8	0.1	3761	5	0.1	3967	3	0.1
<u>Cardiff and Vale University HB</u>									
Cardiff LA	4361	7	0.2	2147	4	0.2	2213	3	0.1
Vale of Glamorgan LA	1603	1	0.1	768	0	0.0	835	1	0.1
Health Board Total	5964	8	0.1	2915	4	0.1	3048	4	0.1
<u>Cwm Taf Morgannwg University HB</u>									
Bridgend LA	1739	0	0.0	847	0	0.0	892	0	0.0
Merthyr Tydfil LA	712	0	0.0	328	0	0.0	384	0	0.0
Rhondda Cynon Taf LA	2846	1	0.0	1341	0	0.0	1504	1	0.1
Health Board Total	5297	1	0.0	2516	0	0.0	2780	1	0.0
<u>Hywel Dda University HB</u>									
Carmarthenshire LA	2123	1	0.0	1053	1	0.1	1068	0	0.0
Ceredigion LA	708	0	0.0	345	0	0.0	363	0	0.0
Pembrokeshire LA	1387	2	0.1	675	1	0.1	712	1	0.1
Health Board Total	4218	3	0.1	2073	2	0.1	2143	1	0.0
<u>Powys Teaching HB</u>									
Health Board Total	1285	0	0.0	620	0	0.0	665	0	0.0
<u>Swansea Bay University HB</u>									
Neath Port Talbot LA	1600	0	0.0	777	0	0.0	823	0	0.0
Swansea LA	2694	2	0.1	1321	2	0.2	1373	0	0.0
Health Board Total	4294	2	0.0	2098	2	0.1	2196	0	0.0
Unknown	93	0	0.0	43	0	0.0	50	0	0.0
Wales Total	35874	26	0.1	17488	17	0.1	18380	9	0.0

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

Table 9. Uptake of HPV vaccine in girls reaching 13, 14 and 15 years of age between 01/09/19 and 31/08/20 and resident on 31/12/19.

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	386	2	0.5	410	342	83.4	2	0.5	343	308	89.8	246	71.7
Caerphilly LA	1045	0	0.0	1025	776	75.7	1	0.1	1014	926	91.3	778	76.7
Monmouthshire LA	510	0	0.0	520	414	79.6	1	0.2	515	413	80.2	341	66.2
Newport LA	978	2	0.2	949	753	79.3	3	0.3	962	797	82.8	665	69.1
Torfaen LA	543	0	0.0	549	469	85.4	1	0.2	549	478	87.1	401	73.0
Health Board Total	3462	4	0.1	3453	2754	79.8	8	0.2	3383	2922	86.4	2431	71.9
<u>Betsi Cadwaladr University HB</u>													
Anglesey LA	369	0	0.0	337	286	84.9	27	8.0	344	296	86.0	269	78.2
Conwy LA	584	0	0.0	591	514	87.0	3	0.5	534	490	91.8	450	84.3
Denbighshire LA	533	2	0.4	540	439	81.3	3	0.6	537	474	88.3	423	78.8
Flintshire LA	883	1	0.1	828	675	81.5	4	0.5	809	731	90.4	636	78.6
Gwynedd LA	652	2	0.3	683	609	89.2	420	61.5	638	567	88.9	546	85.6
Wrexham LA	740	0	0.0	770	638	82.9	17	2.2	740	665	89.9	599	80.9
Health Board Total	3761	5	0.1	3749	3161	84.3	474	12.6	3602	3223	89.5	2923	81.1
<u>Cardiff and Vale University HB</u>													
Cardiff LA	2147	4	0.2	2013	1674	83.2	8	0.4	1992	1750	87.9	1622	81.4
Vale of Glamorgan LA	768	0	0.0	742	670	90.3	2	0.3	755	682	90.3	655	86.8
Health Board Total	2915	4	0.1	2755	2344	85.1	10	0.4	2747	2432	88.5	2277	82.9
<u>Cwm Taf Morgannwg University HB</u>													
Bridgend LA	847	0	0.0	799	717	89.7	0	0.0	797	724	90.8	661	82.9
Merthyr Tydfil LA	328	0	0.0	320	289	90.3	1	0.3	356	332	93.3	306	86.0
Rhondda Cynon Taf LA	1341	0	0.0	1397	1296	92.8	4	0.3	1398	1304	93.3	1228	87.8
Health Board Total	2516	0	0.0	2516	2302	91.5	5	0.2	2551	2360	92.5	2195	86.0
<u>Hywel Dda University HB</u>													
Carmarthenshire LA	1053	1	0.1	994	885	89.0	3	0.3	983	902	91.8	856	87.1
Ceredigion LA	345	0	0.0	295	257	87.1	0	0.0	287	248	86.4	237	82.6
Pembrokeshire LA	675	1	0.1	621	541	87.1	1	0.2	610	539	88.4	492	80.7
Health Board Total	2073	2	0.1	1910	1683	88.1	4	0.2	1880	1689	89.8	1585	84.3
<u>Powys Teaching HB</u>													
Health Board Total	620	0	0.0	661	574	86.8	11	1.7	660	563	85.3	516	78.2
<u>Swansea Bay University HB</u>													
Neath Port Talbot LA	777	0	0.0	800	755	94.4	1	0.1	819	774	94.5	729	89.0
Swansea LA	1321	2	0.2	1233	1127	91.4	1	0.1	1175	1080	91.9	1014	86.3
Health Board Total	2098	2	0.1	2033	1882	92.6	2	0.1	1994	1854	93.0	1743	87.4
Unknown	43	0	0.0	43	34	79.1	5	11.6	44	38	86.4	36	81.8
Wales Total	17488	17	0.1	17120	14734	86.1	519	3.0	16861	15081	89.4	13706	81.3

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 31/12/19.

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	783	3	0.4	684	590	86.3	757	673	88.9	692	594	85.8
Caerphilly LA	2125	290	13.6	2074	1787	86.2	2148	1809	84.2	2083	1763	84.6
Monmouthshire LA	1044	141	13.5	1080	857	79.4	1146	908	79.2	1102	891	80.9
Newport LA	1905	41	2.2	1914	1571	82.1	1905	1513	79.4	1883	1490	79.1
Torfaen LA	1130	119	10.5	1124	959	85.3	1008	900	89.3	979	830	84.8
Health Board Total	6987	594	8.5	6876	5764	83.8	6964	5803	83.3	6739	5568	82.6
<u>Betsi Cadwaladr University HB</u>												
Anglesey LA	718	1	0.1	703	548	78.0	730	612	83.8	708	599	84.6
Conwy LA	1225	87	7.1	1175	1021	86.9	1160	1026	88.4	1164	1063	91.3
Denbighshire LA	1091	71	6.5	1113	882	79.2	1094	930	85.0	1045	891	85.3
Flintshire LA	1687	7	0.4	1641	1340	81.7	1670	1436	86.0	1499	1303	86.9
Gwynedd LA	1359	88	6.5	1259	1056	83.9	1173	1012	86.3	1175	1039	88.4
Wrexham LA	1567	8	0.5	1503	1228	81.7	1448	1246	86.0	1426	1221	85.6
Health Board Total	7647	262	3.4	7394	6075	82.2	7275	6262	86.1	7017	6116	87.2
<u>Cardiff and Vale University HB</u>												
Cardiff LA	4174	2296	55.0	4015	2985	74.3	3794	2874	75.8	3804	2935	77.2
Vale of Glamorgan LA	1502	932	62.1	1515	1218	80.4	1457	1207	82.8	1501	1230	81.9
Health Board Total	5676	3228	56.9	5530	4203	76.0	5251	4081	77.7	5305	4165	78.5
<u>Cwm Taf Morgannwg University HB</u>												
Bridgend LA	1634	0	0.0	1704	1517	89.0	1592	1351	84.9	1568	1405	89.6
Merthyr Tydfil LA	695	3	0.4	713	631	88.5	665	588	88.4	672	608	90.5
Rhondda Cynon Taf LA	2848	25	0.9	2873	2597	90.4	2671	2470	92.5	2823	2550	90.3
Health Board Total	5177	28	0.5	5290	4745	89.7	4928	4409	89.5	5063	4563	90.1
<u>Hywel Dda University HB</u>												
Carmarthenshire LA	2097	8	0.4	2013	1767	87.8	2011	1769	88.0	2056	1815	88.3
Ceredigion LA	607	1	0.2	651	576	88.5	672	593	88.2	618	533	86.2
Pembrokeshire LA	1386	7	0.5	1237	1039	84.0	1264	1056	83.5	1216	986	81.1
Health Board Total	4090	16	0.4	3901	3382	86.7	3947	3418	86.6	3890	3334	85.7
<u>Powys Teaching HB</u>												
Health Board Total	1318	85	6.4	1375	1208	87.9	1338	1204	90.0	1330	1128	84.8
<u>Swansea Bay University HB</u>												
Neath Port Talbot LA	1610	2	0.1	1658	1536	92.6	1505	1375	91.4	1438	1280	89.0
Swansea LA	2608	21	0.8	2531	2334	92.2	2563	2347	91.6	2600	2298	88.4
Health Board Total	4218	23	0.5	4189	3870	92.4	4068	3722	91.5	4038	3578	88.6
Unknown	91	6	6.6	90	71	78.9	113	90	79.6	87	72	82.8
Wales Total	35204	4242	12.0	34645	29318	84.6	33884	28989	85.6	33469	28524	85.2

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 2019-20 school year 9 reaching their 14th birthday between 01/09/19 and 31/08/20 and resident on 31/12/19, 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)	(%)	
<u>Aneurin Bevan University HB</u>																						
Blaenau Gwent LA	783	759	96.9	739	94.4	6	0.8	3	0.4		410	401	97.8	390	95.1		373	358	96.0	349	93.6	
Caerphilly LA	2125	2082	98.0	2023	95.2	305	14.4	290	13.6		1025	1015	99.0	984	96.0		1100	1067	97.0	1039	94.5	
Monmouthshire LA	1044	968	92.7	938	89.8	149	14.3	141	13.5		520	480	92.3	464	89.2		524	488	93.1	474	90.5	
Newport LA	1905	1817	95.4	1737	91.2	48	2.5	41	2.2		949	908	95.7	874	92.1		955	909	95.2	863	90.4	
Torfaen LA	1130	1095	96.9	1050	92.9	122	10.8	119	10.5		549	528	96.2	511	93.1		581	567	97.6	539	92.8	
Health Board Total	6987	6721	96.2	6487	92.8	630	9.0	594	8.5		3453	3332	96.5	3223	93.3		3533	3389	95.9	3264	92.4	
<u>Betsi Cadwaladr University HB</u>																						
Anglesey LA	718	686	95.5	665	92.6	10	1.4	1	0.1		337	322	95.5	312	92.6		381	364	95.5	353	92.7	
Conwy LA	1225	1155	94.3	1130	92.2	91	7.4	87	7.1		591	549	92.9	535	90.5		633	605	95.6	594	93.8	
Denbighshire LA	1091	1046	95.9	1003	91.9	74	6.8	71	6.5		540	521	96.5	494	91.5		551	525	95.3	509	92.4	
Flintshire LA	1687	1589	94.2	1536	91.0	11	0.7	7	0.4		828	770	93.0	746	90.1		859	819	95.3	790	92.0	
Gwynedd LA	1359	1287	94.7	1250	92.0	90	6.6	88	6.5		683	647	94.7	630	92.2		676	640	94.7	620	91.7	
Wrexham LA	1567	1510	96.4	1474	94.1	12	0.8	8	0.5		770	746	96.9	734	95.3		797	764	95.9	740	92.8	
Health Board Total	7647	7273	95.1	7058	92.3	288	3.8	262	3.4		3749	3555	94.8	3451	92.1		3897	3717	95.4	3606	92.5	
<u>Cardiff and Vale University HB</u>																						
Cardiff LA	4174	3908	93.6	3663	87.8	2297	55.0	2296	55.0		2013	1884	93.6	1761	87.5		2161	2024	93.7	1902	88.0	
Vale of Glamorgan LA	1502	1435	95.5	1372	91.3	930	61.9	932	62.1		742	710	95.7	681	91.8		760	725	95.4	691	90.9	
Health Board Total	5676	5343	94.1	5035	88.7	3227	56.9	3228	56.9		2755	2594	94.2	2442	88.6		2921	2749	94.1	2593	88.8	
<u>Cwm Taf Morgannwg University HB</u>																						
Bridgend LA	1634	1552	95.0	1481	90.6	7	0.4	0	0.0		799	760	95.1	731	91.5		834	791	94.8	749	89.8	
Merthyr Tydfil LA	695	664	95.5	641	92.2	5	0.7	3	0.4		320	304	95.0	290	90.6		375	360	96.0	351	93.6	
Rhondda Cynon Taf LA	2848	2735	96.0	2647	92.9	26	0.9	25	0.9		1397	1344	96.2	1308	93.6		1451	1391	95.9	1339	92.3	
Health Board Total	5177	4951	95.6	4769	92.1	38	0.7	28	0.5		2516	2408	95.7	2329	92.6		2660	2542	95.6	2439	91.7	
<u>Hywel Dda University HB</u>																						
Carmarthenshire LA	2097	1954	93.2	1896	90.4	15	0.7	8	0.4		994	936	94.2	908	91.3		1103	1018	92.3	988	89.6	
Ceredigion LA	607	571	94.1	556	91.6	5	0.8	1	0.2		295	275	93.2	271	91.9		312	296	94.9	285	91.3	
Pembrokeshire LA	1386	1289	93.0	1223	88.2	11	0.8	7	0.5		621	585	94.2	558	89.9		765	704	92.0	665	86.9	
Health Board Total	4090	3814	93.3	3675	89.9	31	0.8	16	0.4		1910	1796	94.0	1737	90.9		2180	2018	92.6	1938	88.9	
<u>Powys Teaching HB</u>																						
Health Board Total	1318	1237	93.9	1178	89.4	87	6.6	85	6.4		661	623	94.3	593	89.7		657	614	93.5	585	89.0	
<u>Swansea Bay University HB</u>																						
Neath Port Talbot LA	1610	1556	96.6	1509	93.7	7	0.4	2	0.1		800	779	97.4	754	94.3		810	777	95.9	755	93.2	
Swansea LA	2608	2486	95.3	2382	91.3	35	1.3	21	0.8		1233	1166	94.6	1126	91.3		1375	1320	96.0	1256	91.3	
Health Board Total	4218	4042	95.8	3891	92.2	42	1.0	23	0.5		2033	1945	95.7	1880	92.5		2185	2097	96.0	2011	92.0	
Unknown	91	84	92.3	83	91.2	8	8.8	6	6.6		43	39	90.7	39	90.7		48	45	93.8	44	91.7	
Wales Total	35204	33465	95.1	32176	91.4	4351	12.4	4242	12.0		17120	16292	95.2	15694	91.7		18081	17171	95.0	16480	91.1	

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 2019-20 school year 10 reaching their 15th birthday between 01/09/19 and 31/08/20 and resident on 31/12/19, 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)	(n)	(%)	(n)	(%)
<u>Aneurin Bevan University HB</u>																					
Blaenau Gwent LA	684	665	97.2	649	94.9	591	86.4	590	86.3		343	333	97.1	327	95.3	341	332	97.4	322	94.4	
Caerphilly LA	2074	2021	97.4	1970	95.0	1784	86.0	1787	86.2		1014	994	98.0	972	95.9	1060	1027	96.9	998	94.2	
Monmouthshire LA	1080	1003	92.9	976	90.4	854	79.1	857	79.4		515	482	93.6	467	90.7	565	521	92.2	509	90.1	
Newport LA	1914	1830	95.6	1761	92.0	1563	81.7	1571	82.1		962	919	95.5	889	92.4	949	909	95.8	872	91.9	
Torfaen LA	1124	1096	97.5	1070	95.2	971	86.4	959	85.3		549	533	97.1	525	95.6	575	563	97.9	545	94.8	
Health Board Total	6876	6615	96.2	6426	93.5	5763	83.8	5764	83.8		3383	3261	96.4	3180	94.0	3490	3352	96.0	3246	93.0	
<u>Betsi Cadwaladr University HB</u>																					
Anglesey LA	703	661	94.0	638	90.8	552	78.5	548	78.0		344	324	94.2	310	90.1	359	337	93.9	328	91.4	
Conwy LA	1175	1117	95.1	1087	92.5	1014	86.3	1021	86.9		534	512	95.9	500	93.6	641	605	94.4	587	91.6	
Denbighshire LA	1113	1037	93.2	995	89.4	871	78.3	882	79.2		537	501	93.3	480	89.4	576	536	93.1	515	89.4	
Flintshire LA	1641	1560	95.1	1507	91.8	1339	81.6	1340	81.7		809	772	95.4	745	92.1	832	788	94.7	762	91.6	
Gwynedd LA	1259	1211	96.2	1181	93.8	1059	84.1	1056	83.9		638	617	96.7	599	93.9	621	594	95.7	582	93.7	
Wrexham LA	1503	1456	96.9	1410	93.8	1220	81.2	1228	81.7		740	713	96.4	683	92.3	763	743	97.4	727	95.3	
Health Board Total	7394	7042	95.2	6818	92.2	6055	81.9	6075	82.2		3602	3439	95.5	3317	92.1	3792	3603	95.0	3501	92.3	
<u>Cardiff and Vale University HB</u>																					
Cardiff LA	4015	3772	93.9	3565	88.8	2988	74.4	2985	74.3		1992	1885	94.6	1793	90.0	2022	1887	93.3	1772	87.6	
Vale of Glamorgan LA	1515	1450	95.7	1384	91.4	1222	80.7	1218	80.4		755	722	95.6	688	91.1	759	728	95.9	696	91.7	
Health Board Total	5530	5222	94.4	4949	89.5	4210	76.1	4203	76.0		2747	2607	94.9	2481	90.3	2781	2615	94.0	2468	88.7	
<u>Cwm Taf Morgannwg University HB</u>																					
Bridgend LA	1704	1624	95.3	1553	91.1	1509	88.6	1517	89.0		797	762	95.6	736	92.3	907	862	95.0	817	90.1	
Merthyr Tydfil LA	713	683	95.8	656	92.0	629	88.2	631	88.5		356	340	95.5	327	91.9	357	343	96.1	329	92.2	
Rhondda Cynon Taf LA	2873	2754	95.9	2643	92.0	2602	90.6	2597	90.4		1398	1344	96.1	1296	92.7	1474	1410	95.7	1347	91.4	
Health Board Total	5290	5061	95.7	4852	91.7	4740	89.6	4745	89.7		2551	2446	95.9	2359	92.5	2738	2615	95.5	2493	91.1	
<u>Hywel Dda University HB</u>																					
Cardemarthenshire LA	2013	1919	95.3	1867	92.7	1769	87.9	1767	87.8		983	946	96.2	915	93.1	1030	973	94.5	952	92.4	
Ceredigion LA	651	620	95.2	596	91.6	578	88.8	576	88.5		287	271	94.4	259	90.2	364	349	95.9	337	92.6	
Pembrokeshire LA	1237	1187	96.0	1129	91.3	1047	84.6	1039	84.0		610	587	96.2	554	90.8	627	600	95.7	575	91.7	
Health Board Total	3901	3726	95.5	3592	92.1	3394	87.0	3382	86.7		1880	1804	96.0	1728	91.9	2021	1922	95.1	1864	92.2	
<u>Powys Teaching HB</u>																					
Health Board Total	1375	1294	94.1	1226	89.2	1199	87.2	1208	87.9		660	626	94.8	599	90.8	715	668	93.4	627	87.7	
<u>Swansea Bay University HB</u>																					
Neath Port Talbot LA	1658	1586	95.7	1508	91.0	1530	92.3	1536	92.6		819	784	95.7	751	91.7	839	802	95.6	757	90.2	
Swansea LA	2531	2375	93.8	2274	89.8	2316	91.5	2334	92.2		1175	1106	94.1	1055	89.8	1356	1269	93.6	1219	89.9	
Health Board Total	4189	3961	94.6	3782	90.3	3846	91.8	3870	92.4		1994	1890	94.8	1806	90.6	2195	2071	94.4	1976	90.0	
Unknown	90	84	93.3	83	92.2	73	81.1	71	78.9		44	41	93.2	41	93.2	46	43	93.5	42	91.3	
Wales Total	34645	33005	95.3	31728	91.6	29280	84.5	29318	84.6		16861	16114	95.6	15511	92.0	17778	16889	95.0	16217	91.2	

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

Table 13. MMR, Td/IPV and MenACWY vaccine uptake in children in 2019-20 school year 11 reaching their 16th birthday between 01/09/19 and 31/08/20 and resident on 31/12/19, with breakdown of MMR1 and MMR2 coverage by sex

Area	Resident children		Teenage 3 in 1 booster ¹								Resident girls	MMR1 (girls)			MMR2 (girls)		Resident boys	MMR1 (boys)			MMR2 (boys)	
	(n)	(n) (n) (%)	(n) (%)	(n) (%)	(n) (%)	(n) (%)	(n) (%)	(n) (%)	(n) (%)	(n) (%)		(n) (%)	(n) (%)	(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) (%)	(n) (%)	(n) (%)		
Blaenau Gwent LA	757	743 98.2	726 95.9	674 89.0	673 88.9	376	369 98.1	360 95.7	381 96.1	376	369 98.1	360 95.7	381 96.1	376	369 98.1	360 95.7	381 96.1	376	369 98.1	360 95.7		
Caerphilly LA	2148	2092 97.4	2040 95.0	1805 84.0	1809 84.2	1017	987 97.1	969 95.3	1130 94.7	1017	987 97.1	969 95.3	1130 94.7	1017	987 97.1	969 95.3	1130 94.7	1017	987 97.1	969 95.3		
Monmouthshire LA	1146	1072 93.5	1037 90.5	905 79.0	908 79.2	544	511 93.9	496 91.2	602 89.9	544	511 93.9	496 91.2	602 89.9	544	511 93.9	496 91.2	602 89.9	544	511 93.9	496 91.2		
Newport LA	1905	1798 94.4	1741 91.4	1521 79.8	1513 79.4	904	862 95.4	842 93.1	1001 89.8	904	862 95.4	842 93.1	1001 89.8	904	862 95.4	842 93.1	1001 89.8	904	862 95.4	842 93.1		
Torfaen LA	1008	986 97.8	958 95.0	902 89.5	900 89.3	487	476 97.7	461 94.7	521 95.4	487	476 97.7	461 94.7	521 95.4	487	476 97.7	461 94.7	521 95.4	487	476 97.7	461 94.7		
Health Board Total	6964	6691 96.1	6502 93.4	5807 83.4	5803 83.3	3328	3205 96.3	3128 94.0	3635 92.8	3328	3205 96.3	3128 94.0	3635 92.8	3328	3205 96.3	3128 94.0	3635 92.8	3328	3205 96.3	3128 94.0		
<u>Betsi Cadwaladr University HB</u>																						
Anglesey LA	730	700 95.9	685 93.8	610 83.6	612 83.8	346	332 96.0	326 94.2	384 93.5	346	332 96.0	326 94.2	384 93.5	346	332 96.0	326 94.2	384 93.5	346	332 96.0	326 94.2		
Conwy LA	1160	1112 95.9	1067 92.0	1023 88.2	1026 88.4	573	546 95.3	522 91.1	587 92.8	573	546 95.3	522 91.1	587 92.8	573	546 95.3	522 91.1	587 92.8	573	546 95.3	522 91.1		
Denbighshire LA	1094	1029 94.1	994 90.9	924 84.5	930 85.0	515	484 94.0	465 90.3	579 91.4	515	484 94.0	465 90.3	579 91.4	515	484 94.0	465 90.3	579 91.4	515	484 94.0	465 90.3		
Flintshire LA	1670	1605 96.1	1554 93.1	1427 85.4	1436 86.0	795	773 97.2	750 94.3	875 91.9	795	773 97.2	750 94.3	875 91.9	795	773 97.2	750 94.3	875 91.9	795	773 97.2	750 94.3		
Gwynedd LA	1173	1126 96.0	1103 94.0	1016 86.6	1012 86.3	534	516 96.6	504 94.4	639 93.7	534	516 96.6	504 94.4	639 93.7	534	516 96.6	504 94.4	639 93.7	534	516 96.6	504 94.4		
Wrexham LA	1448	1381 95.4	1354 93.5	1237 85.4	1246 86.0	695	670 96.4	655 94.2	753 92.8	695	670 96.4	655 94.2	753 92.8	695	670 96.4	655 94.2	753 92.8	695	670 96.4	655 94.2		
Health Board Total	7275	6953 95.6	6757 92.9	6237 85.7	6262 86.1	3458	3321 96.0	3222 93.2	3817 92.6	3458	3321 96.0	3222 93.2	3817 92.6	3458	3321 96.0	3222 93.2	3817 92.6	3458	3321 96.0	3222 93.2		
<u>Cardiff and Vale University HB</u>																						
Cardiff LA	3794	3533 93.1	3335 87.9	2880 75.9	2874 75.8	1881	1760 93.6	1658 88.1	1913 87.7	1881	1760 93.6	1658 88.1	1913 87.7	1881	1760 93.6	1658 88.1	1913 87.7	1881	1760 93.6	1658 88.1		
Vale of Glamorgan LA	1457	1375 94.4	1306 89.6	1208 82.9	1207 82.8	753	707 93.9	673 89.4	704 89.9	753	707 93.9	673 89.4	704 89.9	753	707 93.9	673 89.4	704 89.9	753	707 93.9	673 89.4		
Health Board Total	5251	4908 93.5	4641 88.4	4088 77.9	4081 77.7	2634	2467 93.7	2331 88.5	2617 88.3	2634	2467 93.7	2331 88.5	2617 88.3	2634	2467 93.7	2331 88.5	2617 88.3	2634	2467 93.7	2331 88.5		
<u>Cwm Taf Morgannwg University HB</u>																						
Bridgend LA	1592	1518 95.4	1431 89.9	1341 84.2	1351 84.9	808	780 96.5	742 91.8	784 87.9	808	780 96.5	742 91.8	784 87.9	808	780 96.5	742 91.8	784 87.9	808	780 96.5	742 91.8		
Merthyr Tydfil LA	665	627 94.3	600 90.2	584 87.8	588 88.4	318	295 92.8	281 88.4	346 92.2	318	295 92.8	281 88.4	346 92.2	318	295 92.8	281 88.4	346 92.2	318	295 92.8	281 88.4		
Rhondda Cynon Taf LA	2671	2555 95.7	2466 92.3	2463 92.2	2470 92.5	1314	1263 96.1	1217 92.6	1357 92.0	1314	1263 96.1	1217 92.6	1357 92.0	1314	1263 96.1	1217 92.6	1357 92.0	1314	1263 96.1	1217 92.6		
Health Board Total	4928	4700 95.4	4497 91.3	4388 89.0	4409 89.5	2440	2338 95.8	2240 91.8	2487 90.8	2440	2338 95.8	2240 91.8	2487 90.8	2440	2338 95.8	2240 91.8	2487 90.8	2440	2338 95.8	2240 91.8		
<u>Hywel Dda University HB</u>																						
Cardemarthenshire LA	2011	1916 95.3	1850 92.0	1769 88.0	1769 88.0	981	935 95.3	900 91.7	1030 92.2	981	935 95.3	900 91.7	1030 92.2	981	935 95.3	900 91.7	1030 92.2	981	935 95.3	900 91.7		
Ceredigion LA	672	640 95.2	623 92.7	597 88.8	593 88.2	323	310 96.0	301 93.2	349 92.3	323	310 96.0	301 93.2	349 92.3	323	310 96.0	301 93.2	349 92.3	323	310 96.0	301 93.2		
Pembrokeshire LA	1264	1193 94.4	1143 90.4	1056 83.5	1056 83.5	632	599 94.8	576 91.1	632 89.7	632	599 94.8	576 91.1	632 89.7	632	599 94.8	576 91.1	632 89.7	632	599 94.8	576 91.1		
Health Board Total	3947	3749 95.0	3616 91.6	3422 86.7	3418 86.6	1936	1844 95.2	1777 91.8	2011 91.4	1936	1844 95.2	1777 91.8	2011 91.4	1936	1844 95.2	1777 91.8	2011 91.4	1936	1844 95.2	1777 91.8		
<u>Powys Teaching HB</u>																						
Health Board Total	1338	1253 93.6	1196 89.4	1194 89.2	1204 90.0	657	616 93.8	592 90.1	681 88.7	657	616 93.8	592 90.1	681 88.7	657	616 93.8	592 90.1	681 88.7	657	616 93.8	592 90.1		
<u>Swansea Bay University HB</u>																						
Neath Port Talbot LA	1505	1440 95.7	1377 91.5	1355 90.0	1375 91.4	743	720 96.9	688 92.6	762 90.4	743	720 96.9	688 92.6	762 90.4	743	720 96.9	688 92.6	762 90.4	743	720 96.9	688 92.6		
Swansea LA	2563	2439 95.2	2336 91.1	2331 90.9	2347 91.6	1214	1162 95.7	1111 91.5	1349 90.8	1214	1162 95.7	1111 91.5	1349 90.8	1214	1162 95.7	1111 91.5	1349 90.8	1214	1162 95.7	1111 91.5		
Health Board Total	4068	3879 95.4	3713 91.3	3686 90.6	3722 91.5	1957	1882 96.2	1799 91.9	2111 90.7	1957	1882 96.2	1799 91.9	2111 90.7	1957	1882 96.2	1799 91.9	2111 90.7	1957	1882 96.2	1799 91.9		
Unknown	113	103 91.2	98 86.7	90 79.6	90 79.6	50	46 92.0	43 86.0	63 87.3	50	46 92.0	43 86.0	63 87.3	50	46 92.0	43 86.0	63 87.3	50	46 92.0	43 86.0		
Wales Total	33884	32236 95.1	31020 91.5	28912 85.3	28989 85.6	16460	15719 95.5	15132 91.9	17422 91.2	16460	15719 95.5	15132 91.9	17422 91.2	16460	15719 95.5	15132 91.9	17422 91.2	16460	15719 95.5	15132 91.9		

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 01/10/19 and 31/12/19 and resident on 31/12/19, 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)	(%)
<u>Aneurin Bevan University HB</u>	(n)		(n)	(%)	(n)	(%)	(n)	(%)	(n)	(%)	(n)	(n)	(%)	(n)	(%)	(n)	(n)	(%)	(n)	(%)
Blaenau Gwent LA	194		188	96.9	184	94.8	172	88.7	171	88.1	93	91	97.8	90	96.8	101	97	96.0	94	93.1
Caerphilly LA	498		483	97.0	466	93.6	420	84.3	422	84.7	243	236	97.1	229	94.2	255	247	96.9	237	92.9
Monmouthshire LA	309		290	93.9	282	91.3	248	80.3	248	80.3	151	144	95.4	141	93.4	158	146	92.4	141	89.2
Newport LA	470		443	94.3	423	90.0	370	78.7	370	78.7	234	220	94.0	215	91.9	236	223	94.5	208	88.1
Torfaen LA	237		234	98.7	230	97.0	207	87.3	205	86.5	116	113	97.4	111	95.7	121	121	100.0	119	98.3
Health Board Total	1708		1638	95.9	1585	92.8	1417	83.0	1416	82.9	837	804	96.1	786	93.9	871	834	95.8	799	91.7
<u>Betsi Cadwaladr University HB</u>																				
Anglesey LA	183		174	95.1	170	92.9	153	83.6	151	82.5	91	88	96.7	88	96.7	92	86	93.5	82	89.1
Conwy LA	289		276	95.5	264	91.3	241	83.4	245	84.8	155	149	96.1	141	91.0	134	127	94.8	123	91.8
Denbighshire LA	293		271	92.5	261	89.1	253	86.3	255	87.0	137	123	89.8	120	87.6	156	148	94.9	141	90.4
Flintshire LA	376		365	97.1	347	92.3	318	84.6	321	85.4	173	169	97.7	158	91.3	203	196	96.6	189	93.1
Gwynedd LA	288		278	96.5	276	95.8	257	89.2	251	87.2	131	126	96.2	125	95.4	157	152	96.8	151	96.2
Wrexham LA	350		336	96.0	327	93.4	304	86.9	307	87.7	176	168	95.5	166	94.3	174	168	96.6	161	92.5
Health Board Total	1779		1700	95.6	1645	92.5	1526	85.8	1530	86.0	863	823	95.4	798	92.5	916	877	95.7	847	92.5
<u>Cardiff and Vale University HB</u>																				
Cardiff LA	956		886	92.7	835	87.3	743	77.7	740	77.4	475	444	93.5	417	87.8	481	442	91.9	418	86.9
Vale of Glamorgan LA	372		351	94.4	332	89.2	308	82.8	310	83.3	197	185	93.9	175	88.8	175	166	94.9	157	89.7
Health Board Total	1328		1237	93.1	1167	87.9	1051	79.1	1050	79.1	672	629	93.6	592	88.1	656	608	92.7	575	87.7
<u>Cwm Taf Morgannwg University HB</u>																				
Bridgend LA	400		387	96.8	367	91.8	338	84.5	342	85.5	211	205	97.2	195	92.4	189	182	96.3	172	91.0
Merthyr Tydfil LA	164		153	93.3	147	89.6	142	86.6	144	87.8	72	67	93.1	64	88.9	92	86	93.5	83	90.2
Rhondda Cynon Taf LA	657		623	94.8	600	91.3	610	92.8	612	93.2	327	312	95.4	296	90.5	330	311	94.2	304	92.1
Health Board Total	1221		1163	95.2	1114	91.2	1090	89.3	1098	89.9	610	584	95.7	555	91.0	611	579	94.8	559	91.5
<u>Hywel Dda University HB</u>																				
Cardiff and Vale LA	495		467	94.3	448	90.5	432	87.3	433	87.5	218	204	93.6	192	88.1	277	263	94.9	256	92.4
Ceredigion LA	158		151	95.6	146	92.4	143	90.5	142	89.9	73	70	95.9	66	90.4	85	81	95.3	80	94.1
Pembrokeshire LA	316		302	95.6	284	89.9	271	85.8	268	84.8	152	145	95.4	135	88.8	164	157	95.7	149	90.9
Health Board Total	969		920	94.9	878	90.6	846	87.3	843	87.0	443	419	94.6	393	88.7	526	501	95.2	485	92.2
<u>Powys Teaching HB</u>																				
Health Board Total	318		301	94.7	288	90.6	279	87.7	283	89.0	152	145	95.4	143	94.1	166	156	94.0	145	87.3
<u>Swansea Bay University HB</u>																				
Neath Port Talbot LA	367		353	96.2	328	89.4	337	91.8	339	92.4	178	175	98.3	161	90.4	189	178	94.2	167	88.4
Swansea LA	641		615	95.9	588	91.7	565	88.1	570	88.9	305	294	96.4	282	92.5	336	321	95.5	306	91.1
Health Board Total	1008		968	96.0	916	90.9	902	89.5	909	90.2	483	469	97.1	443	91.7	525	499	95.0	473	90.1
Unknown	34		33	97.1	31	91.2	29	85.3	29	85.3	14	13	92.9	12	85.7	20	20	100.0	19	95.0
Wales Total	8365		7960	95.2	7624	91.1	7140	85.4	7158	85.6	4074	3886	95.4	3722	91.4	4291	4074	94.9	3902	90.9

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 01/10/19 and 31/12/19 and resident on 31/12/19.¹

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	2	1.1	192	8	4.2	175	4	2.3	194	1	0.5
Caerphilly LA	472	8	1.7	515	6	1.2	569	22	3.9	498	3	0.6
Monmouthshire LA	185	8	4.3	180	12	6.7	245	12	4.9	309	12	3.9
Newport LA	520	94	18.1	493	72	14.6	545	91	16.7	470	44	9.4
Torfaen LA	239	5	2.1	288	6	2.1	253	6	2.4	237	1	0.4
Health Board Total	1600	117	7.3	1668	104	6.2	1787	135	7.6	1708	61	3.6
<u>Betsi Cadwaladr University HB</u>												
Anglesey LA	153	2	1.3	149	5	3.4	188	5	2.7	183	7	3.8
Conwy LA	237	4	1.7	274	14	5.1	279	20	7.2	289	10	3.5
Denbighshire LA	228	10	4.4	231	9	3.9	262	4	1.5	293	10	3.4
Flintshire LA	394	23	5.8	412	12	2.9	436	14	3.2	376	9	2.4
Gwynedd LA	273	11	4.0	246	10	4.1	291	17	5.8	288	13	4.5
Wrexham LA	336	17	5.1	376	22	5.9	395	22	5.6	350	19	5.4
Health Board Total	1621	67	4.1	1688	72	4.3	1851	82	4.4	1779	68	3.8
<u>Cardiff and Vale University HB</u>												
Cardiff LA	969	43	4.4	994	191	19.2	1126	252	22.4	956	184	19.2
Vale of Glamorgan LA	335	3	0.9	344	10	2.9	378	21	5.6	372	11	3.0
Health Board Total	1304	46	3.5	1338	201	15.0	1504	273	18.2	1328	195	14.7
<u>Cwm Taf Morgannwg Univeristy HB</u>												
Bridgend LA	353	10	2.8	355	10	2.8	433	21	4.8	400	5	1.3
Merthyr Tydfil LA	154	14	9.1	175	12	6.9	201	10	5.0	164	6	3.7
Rhondda Cynon Taf LA	617	7	1.1	653	21	3.2	677	23	3.4	657	8	1.2
Health Board Total	1124	31	2.8	1183	43	3.6	1311	54	4.1	1221	19	1.6
<u>Hywel Dda University HB</u>												
Carmarthenshire LA	479	6	1.3	466	10	2.1	483	17	3.5	495	14	2.8
Ceredigion LA	124	3	2.4	145	11	7.6	156	7	4.5	158	5	3.2
Pembrokeshire LA	245	10	4.1	277	8	2.9	312	6	1.9	316	8	2.5
Health Board Total	848	19	2.2	888	29	3.3	951	30	3.2	969	27	2.8
<u>Powys Teaching Health Board</u>												
Health Board Total	261	8	3.1	296	6	2.0	319	11	3.4	318	4	1.3
<u>Swansea Bay University HB</u>												
Neath Port Talbot LA	368	8	2.2	389	11	2.8	412	12	2.9	367	7	1.9
Swansea LA	557	56	10.1	593	52	8.8	641	81	12.6	641	33	5.1
Health Board Total	925	64	6.9	982	63	6.4	1053	93	8.8	1008	40	4.0
Unknown	0	0	0.0	10	2	20.0	11	0	0.0	34	2	5.9
Wales Total	7697	354	4.6	8053	520	6.5	8787	678	7.7	8365	416	5.0

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 01/10/19 and 31/12/19 and resident on 31/12/19, 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	1600	4	100.0	100.0	100.0	1668	3	100.0	100.0	100.0	66.7	1787	1	100.0	100.0	100.0	-
Betsi Cadwaladr UHB	1621	2	100.0	100.0	100.0	1688	2	100.0	100.0	100.0	100.0	1851	2	100.0	100.0	100.0	100.0
Cardiff and Vale UHB	1304	4	100.0	75.0	75.0	1338	2	100.0	100.0	100.0	-	1504	10	100.0	100.0	100.0	80.0
Cwm Taf Morgannwg UHB	1124	1	100.0	100.0	100.0	1183	0	-	-	-	-	1311	0	-	-	-	-
Hywel Dda UHB	848	0	-	-	-	888	0	-	-	-	-	951	1	100.0	100.0	100.0	100.0
Powys Teaching HB	261	0	-	-	-	296	0	-	-	-	-	319	0	-	-	-	-
Swansea Bay UHB	925	1	100.0	100.0	100.0	982	2	100.0	100.0	100.0	100.0	1053	3	100.0	100.0	100.0	100.0
Unknown	14	0	-	-	-	10	0	-	-	-	-	11	0	-	-	-	-
Wales Total	7697	12	100.0	91.7	91.7	8053	9	100.0	100.0	100.0	66.7	8787	17	100.0	100.0	100.0	82.4

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.