Vaccine Uptake in Children in Wales COVER Annual Report 2021

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Data for the year ending 31st March 2021

Key points

- In 2020/21 uptake of the '6 in 1' (DTaP/IPV/Hib/HepB) and pneumococcal conjugate vaccinations in one year old children in Wales was 95.6% and 96.0% respectively.
- MenB vaccine uptake was 95.4% for two doses, and uptake of two doses of rotavirus vaccine was 93.8% at one year.
- MMR uptake was 94.8% for the first dose at two years.
- MenB uptake was 94.3% for the complete course at two years, this is the third full cohort of eligible children reported on at two years of age.
- By their fourth birthday, 87.6% of children were up to date with recommended immunisations.
- MMR dose two uptake in children at five years of age was 92.2%, and uptake of the pre-school '4 in 1' (DTaP/IPV) booster in this age-group was 92.9%.
- Human Papillomavirus (HPV) vaccine uptake in girls turning 14 years of age during the 2020/21 school year (School Year 9) was 67.4% for the first dose. Uptake of the complete two-dose course in girls turning 15 years of age (School Year 10) was 56.5%.
- MMR uptake, for a full two-dose course, was 91.6% and 91.5% for teenagers turning 15 and 16 years of age respectively during the 2020/21 school year.
- MenACWY vaccine uptake in teenagers turning 15 and 16 years of age during the 2020/21 school year was 77.4% and 86.1%.

Background

These annual results for 2020/21 are for one year cohorts of children living in Wales as at 31st March 2021 and reaching their first, second, fourth and fifth birthdays between 01/04/2020 and 31/03/2021. Uptake of vaccinations in those reaching 15 and 16 years of age are presented by school year.

Inequalities in uptake of routine vaccinations at four years of age are also presented. National quintiles of deprivation were calculated according to the Lower Super Output Area (LSOA) rankings contained in the Welsh Index of Multiple Deprivation (WIMD 2014). Deprivation rankings contained in the WIMD are relative, not absolute values, and they refer to an overall composite measure of factors related to deprivation for all residents in the LSOA as a whole, not the circumstances of individual residents within the LSOA.

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 at the end of 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. '6 in 1' DTaP/IPV/Hib/HepB¹ vaccine uptake (all three doses) in children reaching their first birthday remained stable at 95.6%, compared to 95.8% in the previous year. Uptake ranged by health board (HB) from 94.0% (Cardiff and Vale) to 97.2% (Cwm Taf Morgannwg) and by local authority (LA) from 93.5% (Cardiff) to 98.4% (Anglesey). Sixteen of the 22 LAs achieved the 95% target (Figures 1, 2, 4, 6 and Tables 2, 3).
- 2. Pneumococcal conjugate vaccination (PCV²) uptake of a complete primary course in children at one year of age was 96.0%, ranging by HB from 94.6% (Cardiff and Vale and Hywel Dda) to 97.6% (Cwm Taf Morgannwg) and by LA from 93.9% (Pembrokeshire) to 97.8% (Anglesey) (Figures 1, 2 and Tables 2, 3). Children born 1st January 2020 to March 2020 would have been offered the revised one dose primary course [1].
- 3. Rotavirus vaccine uptake of two doses in children reaching their first birthday remained stable compared to the previous year at 93.8%. Uptake ranged by HB from 92.1% (Cardiff & Vale) to 96.3% (Cwm Taf Morgannwg) and by LA from 90.7% (Newport) to 96.5% (Bridgend) (Figures 1, 2 and Tables 2, 3).
- **4.** Meningococcal serotype B vaccination (MenB) uptake of two doses in children at one year of age was 95.4%, ranging by HB from 93.6% (Cardiff and Vale) to 97.4% (Cwm Taf Morgannwg) and by LA from 93.2% (Cardiff) to 98.2% (Anglesey) (Table 3).
- 5. MMR³ uptake of one dose by two years of age remained stable at 94.8%, compared to 94.5% in the previous year. Uptake ranged by HB from 93.1% (Cardiff and Vale) to 96.2% (Cwm Taf Morgannwg and Powys) and by LA from 92.9% (Cardiff) to 97.5% (Blaenau Gwent). Three HBs achieved the target uptake of 95%, and 12 out of 22 LAs exceeded the 95% target (Figures 1, 4, 7 and Tables 2, 4).
- **6.** Pneumococcal Conjugate Vaccine (PCVf) uptake of the final dose by two years of age was 94.8%. Uptake by HB ranged from 92.6% (Cardiff and Vale) to 96.4% (Powys) and by LA from 92.5% (Cardiff) to 97.5% (Anglesey) (Figure 2 and Tables 2, 4).
- **7.** Hib/MenC⁴ booster uptake by two years of age was 94.4%, ranging by HB from 92.2% (Cardiff and Vale) to 95.9% (Cwm Taf Morgannwg and Powys) and by LA from 92.0% (Cardiff) to 97.2% (Anglesey) (Figures 1, 2 and Tables 2, 4).
- **8.** MenB vaccine uptake of a complete course in children at two years of age was 94.3%, ranging by HB from 91.4% (Cardiff and Vale) to 96.1% (Powys), and by LA from 91.1% (Cardiff) to 97.0 (Blaenau Gwent Rhondda Cynon Taf).
- **9.** Hib/MenC booster coverage in children by their fourth birthday was 95.2% and ranged by HB from 94.0% (Cardiff and Vale) to 96.7% (Cwm Taf Morgannwg) (Table 5).
- **10.** '4 in 1' DTaP/IPV⁵ 'pre-school booster' uptake in children by four years of age was 88.9%, this ranged by HB from 86.2% (Cardiff and Vale) to 91.7% (Powys) (Table 5).
- **11.** MMR vaccine uptake of a complete two dose course in children by four years of age was 88.5%, this ranged by HB from 85.9% (Cardiff and Vale) to 90.9% (Powys) (Table 5).
- **12.** The percentage of children who were up to date with their Hib/MenC booster, '4 in 1' DTaP/IPV pre-school booster and MMR vaccines by four years of age was 87.6%. This ranged by HB from 84.5% (Cardiff and Vale) to 90.4% (Powys) and by LA from 82.4% (Newport) to 93.8% (Anglesey) (Figure 3 and Tables 1, 2, 5).
- **13.** The percentage of children who were up to date with their routine vaccinations by four years of age varied according to the national quintile of deprivation of the LSOA in which

¹ DTaP/IPV/Hib/HepB vaccine protects against diphtheria, tetanus, pertussis (Whooping Cough), polio, Hib and Hepatitis B infection. The majority of one year olds referred to in this report would have been eligible for the '6 in 1' vaccine, replacing the '5 in 1' vaccine due at four, eight and 12 months.

² PCV protects against pneumococcal meningitis, bacteraemia, pneumonia and otitis media. Children reaching one year of age would have been offered one dose of PCV at 2 months of age and one dose at 4 months of age. Children reaching two years would have been offered their third and final PCV dose at 12-13 months of age.

³ MMR protects against measles, mumps and rubella

⁴ Hib/MenC vaccine protects against Hib and MenC infections and a routine dose should be offered at 12-13 months of age.

they resided. Nationally, the percentage of children up to date with their routine immunisations by four years of age ranged from 83.0% in the most deprived quintile of LSOAs to 91.5% in the least deprived quintile of LSOAs. The difference in uptake between the least deprived quintile and the most deprived quintile was 8.5% (Figures 10, 11 and Table 6).

- **14.** MMR uptake of two doses in children at five years of age was 92.2%, ranging by HB from 90.4% (Hywel Dda) to 93.9% (Betsi Cadwaladr). Coverage of one dose of MMR in children at five years of age was 96.6% and ranged by HB from 95.0% (Powys) to 97.5% (Cwm Taf Morgannwg) (Figures 1, 2, 5, 8 and Tables 2, 7).
- **15.** '4 in 1' DTaP/IPV 'pre-school booster' uptake in children reaching their fifth birthday this year was 92.9% (Figures 2, 5, 9 and Tables 2, 7).
- 16. The 2020/21 School Year 9 group included the first cohort of boys to be offered the HPV vaccine in addition to girls [2]. HPV vaccine uptake in the full 2020/21 School Year 9 group (reaching their 14th birthday between 01/09/20 and 31/08/21) was 67.4%. This is a decrease compared to the previous years' girls only cohort where uptake was 87.3%. Uptake ranged by HB from 5.9% (Powys) to 90.4% (Swansea Bay) and by LA from 5.9% (Powys) to 90.4% (Swansea). Coverage of two doses of HPV vaccine in girls in the 2020/21 School Year 10 is currently 56.5%, this is a significant decrease from the previous year which had an uptake of 83.5%. (Figure 12 and Table 8).
- 17. MMR coverage of two doses in teenagers turning 15 years of age between 01/09/20 and 31/08/21 was 91.6%, ranging by HB from 88.3% (Powys) to 92.8% (Aneurin Bevan) and by LA from 88.3% (Powys) to 95.2% (Caerphilly). Coverage of one dose of MMR in 15 year olds was 95.3%, ranging by LA from 92.7% (Powys) to 98.0% (Caerphilly). A breakdown by sex indicates that 92.0% of girls had received a full (two MMR doses) course of immunisation against rubella and coverage of one dose was 95.5% (Figure 12 and Table 9).
- **18.** Td/IPV⁶ 'teenage booster' uptake in teenagers reaching 15 years of age between 01/09/20 and 31/08/21 was 77.2%. Uptake ranged by HB from 65.5% (Hywel Dda) to 88.4% (Cwm Taf Morgannwg) and by LA from 59.4% (Pembrokeshire) to 89.0% (Rhondda Cynon Taf) (Figure 12 and Table 9).
- **19.** Coverage of MenACWY vaccine in the 2020/21 School Year 10 group is currently 77.4%. Coverage in the 2020/21 School Year 11 group, is currently 86.1% (Figure 12, Table 9 and 10).
- 20. MMR coverage of two doses in teenagers turning 16 years of age during the 2020/21 school year was 91.5%, ranging by HB from 88.8% (Powys) to 93.4% (Aneurin Bevan) and by LA from 88.2% (Cardiff) to 95.0% (Torfaen). Coverage of one dose of MMR in 16 year olds was 95.1%, ranging by LA from 93.2% (Powys) to 97.4% (Caerphilly). A breakdown by sex indicates that 91.9% of girls had received a full (two MMR doses) course of immunisation against rubella and coverage of one dose was 95.4% (Table 10).
- **21.** Td/IPV 'teenage booster' uptake in teenagers reaching 16 years during the 2020/21 school year was 86.0%. Uptake ranged by HB from 78.5% (Cardiff and Vale) to 91.6% (Swansea Bay) and by LA from 77.0% (Cardiff) to 92.1% (Neath Port Talbot) (Table 10).
- 22. Uptake of hepatitis B immunisation in babies at risk of perinatal infection, extracted from the Public Health Wales All Wales Neonatal Hepatitis B immunisation database, is presented in Table 11. The database was developed to assist the Public Health Wales Health Protection Team in the monitoring and follow up of hepatitis B immunisation of babies born to hepatitis B positive mothers and to provide a source for statistics on uptake of hepatitis B immunisation in this group. Uptake of three doses in children who were at risk of perinatal infection and reached their first birthday in the year ending 31st March 2021 was 95.2%. Uptake of four doses in children who were at risk of perinatal infection and reached their second birthday in the year ending 31st March 2021 was 64.6%. Uptake of four doses in children who were at risk of perinatal infection and reached their fifth birthday in the year ending 31st March 2021 was 77.4%.

Comment

The majority of children in this report for the year to March 2021 would have been due their final immunisations reported here during the COVID-19 pandemic, however vaccination uptake in Wales remains at high levels. Uptake of routine vaccinations reported on at two and five years of age have increased compared to 2019/20, whilst uptake of routine vaccinations reported on at one and four years of age has remained stable.

Uptake of the '6 in 1' (or '5 in 1') vaccine and pneumococcal conjugate vaccines remained above 95% in children at one year of age for the thirteenth consecutive year. Uptake varies between health board areas.

Uptake of two doses of Men B vaccine at one year of age was also over 95%, with uptake of a complete three dose course in eligible two year olds slightly lower (94.3%). Uptake of MMR1 at two years of age remains slightly below 95% for the full year cohort with uptake in the most recent quarterly cohort (Jan to Mar 2021) 94.3% and uptake in the first quarterly cohort (Apr to Jun 2020) 95.5% [3].

The proportion of children who were up to date with their routine immunisations by four years of age decreased slightly this year to 87.6%. Last year saw the highest coverage since this measure was first reported on (88.0%). Of all the immunisations that are included in this composite measure, uptake of the second dose of MMR remains the lowest (88.5%), followed by the '4 in 1' preschool booster (88.9%) then Hib/MenC booster (95.2%).

The reported inequality gap in immunisation coverage between four year olds residing in the most and least deprived areas increased compared to 2019/20, from 7.7 to 8.5 percentage points. Coverage in the most deprived quintile has decreased whilst coverage in the other four quintiles has remained stable. Further work is needed to identify the root cause of these inequalities and identify interventions to reduce this gap in addition to exiting enhanced primary care nursing services including Flying Start.

Although coverage for younger children who receive their immunisations in general practice remains positive, coverage of immunisations in teenagers is lower compared to previous years. School based vaccination sessions were disrupted during the 2020/21 academic year due to school closures and catch-up activities have been planned. The 2020/21 School Year 9 cohort was the first to include boys as part of the HPV vaccination programme, uptake of one dose in these children is currently 67.4% (71.1% for girls and 64.0% for boys) [2]. Of all the vaccinations given to teenagers, HPV uptake appears to be the most impacted by school closures over the past year.

During early 2020 there was an increase in notifications of mumps to Public Health Wales Health Protection Teams, with the highest number of cases in 10 to 19 year olds. Week 4 of 2020 (week commencing 20th January) saw 222 mumps notifications, and the number of notifications remained relatively high until week 16 (week commencing 13th April) when notifications declined [4]. During 2020 there were no confirmed cases of measles in Wales (provisional data). Social distancing measures implemented in response to the COVID-19 pandemic, reducing transmission of infections and reduced reporting during this time has led to fewer notifications of vaccine preventable disease. However, there remains potential for outbreaks in Wales following importation from people acquiring measles virus abroad when travel resumes and there is a need to monitor vaccination uptake more closely as routine appointments may have been missed.

The Vaccine Preventable Disease Programme have been producing a monthly enhanced immunisation report to monitor the impact on uptake and timeliness of routine immunisations in infants and young children during the COVID-19 pandemic [5]. These reports suggest that, overall, timeliness of immunisations has remained stable, despite a slight decline over the winter period whilst practices were prioritising influenza vaccination sessions. The impact of the extra workload from the COVID-19 vaccine roll out on general practices in combination with COVID-19 restrictions may result in further decreases in timeliness. Delays in data entry should also be taken into account when interpreting this data.

Parents should be reminded that routine immunisation appointments are important medical reasons to leave the home.

[1] Welsh Health Circular- Changes to the infant pneumococcal conjugate vaccine (PCV) immunisation schedule. Available from:

 $\underline{https://gov.wales/sites/default/files/publications/2019-12/changes-to-the-infant-pneumococcal-conjugate-vaccine-immunisation-schedule.pdf}$

[2] Welsh Health Circular- Changes to the HPV immunisation programme from the academic school year starting September 2019. Available from:

[3] Public Health Wales Health Protection Division. Vaccine uptake in Children in Wales, January to March 2021: COVER report 138, June 2021. Cardiff, Public Health Wales.

http://www.wales.nhs.uk/sites3/page.cfm?orgid=457&pid=54144

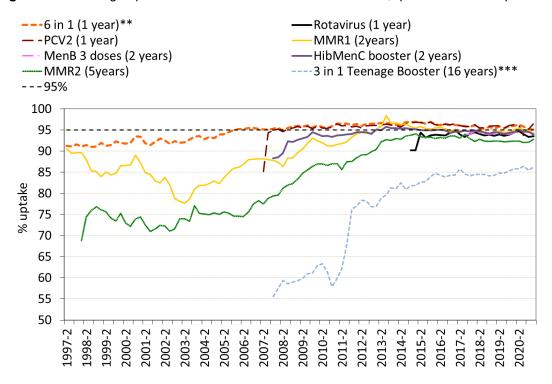
[4] Public Health Wales Weekly Notification of Mumps Dashboard. May 2021:

https://public.tableau.com/app/profile/public.health.wales.health.protection/viz/NotificationsofMUMPSinWales2018-2021/Dashboard2

[5] Public Health Wales Immunisation and Vaccine Preventable Disease Programme, COVID-19 and immunisation programmes http://nww.immunisation.wales.nhs.uk/covid-19-and-immunisation-programmes [NHS access only]

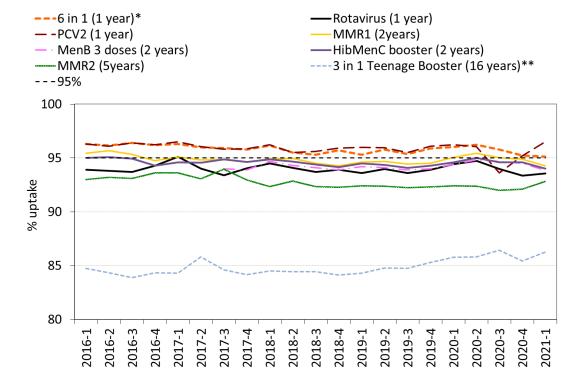
Report prepared by Public Health Wales Vaccine Preventable Disease Programme and Communicable Disease Surveillance Centre. Data for this report was provided by NHS Wales Informatics Service from the National Community Child Health Database (NCCHD). The data was sourced from Community Child Health databases maintained by local Child Health Office staff in Trusts throughout Wales based on regular returns from doctors and nurses who immunise or advise on immunisation. Uptake data presented throughout are for LHB resident population, not for LHB GP practice populations. The maps, graphs and Table 2 are best viewed in colour

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



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

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



^{*} Uptake of pertussis used as proxy.

^{**}Uptake of pertussis used as a proxy.

^{***}Teenage booster dose of diphtheria, tetanus and polio (diphtheria 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 2. Summary of uptake rates for selected immunisations in resident children reaching their 1st, 2nd and 5th birthday between 01/04/20 and 31/03/21 and resident on 31/03/21.

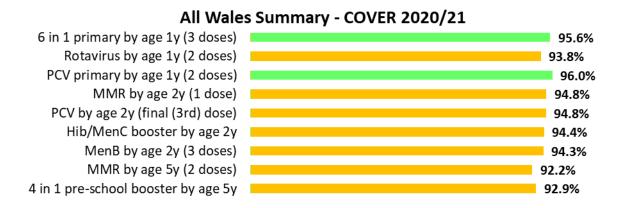


Figure 3. Percentage of resident children reaching their 4th birthday between 01/04/20 and 31/03/21 and are up to date with all scheduled vaccines³ by Health Board.

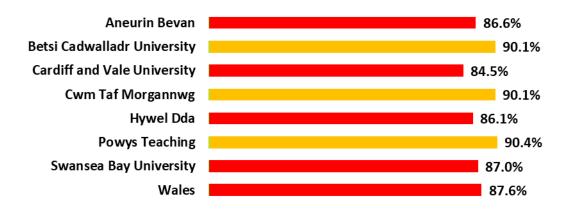


Table 1. Percentage of resident children reaching their 4th birthday and are up to date with all scheduled vaccines by Health Board, annually 2016/17 to 2020/21.

Area	U	o to date ii	n schedule	2	
Alea	2016/17	2017/18	2018/19	2019/20	2020/21
Aneurin Bevan UHB	80.7	81.0	84.1	86.6	86.6
Betsi Cadwaladr UHB	88.3	87.9	89.7	90.3	90.1
Cardiff and Vale UHB	81.7	82.6	86.8	86.7	84.5
Cwm Taf UHB	87.3	88.2	87.9	88.6	90.1
Hywel Dda UHB	83.0	84.0	86.3	86.7	86.1
Powys Teaching HB	86.2	86.2	88.9	90.2	90.4
Swansea Bay University HB	86.3	86.2	88.0	87.6	87.0
Wales	84.6	84.9	87.2	88.0	87.6

 $^{^3}$ Completed '4 in 1' pre-school booster, the Hib/MenC booster and second MMR dose by four years of age.

Table 2. Summary table with uptake of selected immunisations in resident children reaching their 1st, 2nd, 4th and 5th birthday between 01/04/2020 and 31/03/2021 and resident on 31/03/2021.

				Αç	ge 1 year								Age	2 years					Age	4 years			Age	e 5 year	s	
Area	Resident									Resident							Hib/N	lenC	Resident	Up to c	late in	Resident				
	children	6 in	1 ¹	Me	nB²	PC	v	Rota	virus	children	MN	IR1	PC\	Vf ³	Me	nB	boo	ster	children	sche	dule ⁴	children	MM	R2	4 ir	n 1 ¹
Aneurin Bevan University HB	(n)	(n)	(%)	(n)	(%)	(n)	(%)	(n)	(%)	(n)	(n)	(%)	(n)	(%)	(n)	(%)	(n)	(%)	(n)	(n)	(%)	(n)	(n)	(%)	(n)	(%)
Blaenau Gwent LA	749	716	95.6	722	96.4	722	96.4	701	93.6	693	676	97.5	675	97.4	672	97.0	670	96.7	727	645	88.7	712	667	93.7	666	93.5
Caerphilly LA	1783	1728	96.9	1731	97.1	1732	97.1	1695	95.1	1855	1784	96.2	1786	96.3	1782	96.1	1778	95.8	1979	1742	88.0	2114	1991	94.2	1999	94.6
Monmouthshire LA	736	720	97.8	713	96.9	718	97.6	705	95.8	771	742	96.2	743	96.4	737	95.6	742	96.2	841	744	88.5	904	852	94.2	868	96.0
Newport LA	1884	1766	93.7	1767	93.8	1777	94.3	1708	90.7	1954	1819	93.1	1818	93.0	1812	92.7	1807	92.5	2048	1687	82.4	2175	1932	88.8	1942	89.3
Torfaen LA	954	910	95.4	913	95.7	920	96.4	876	91.8	990	924	93.3	926	93.5	926	93.5	921	93.0	1073	959	89.4	1118	1029	92.0	1041	93.1
Health Board Total	6106	5840	95.6	5846	95.7	5869	96.1	5685	93.1	6263	5945	94.9	5948	95.0	5929	94.7	5918	94.5	6668	5777	86.6	7023	6471	92.1	6516	92.8
Betsi Cadwaladr University HB																										
Anglesey LA	554	545	98.4	544	98.2	542	97.8	534	96.4	636	619	97.3	620	97.5	613	96.4	618	97.2	738	692	93.8	703	677	96.3	681	96.9
Conwy LA	1036	970	93.6	970	93.6	984	95.0	953	92.0	1015	954	94.0	962	94.8	953	93.9	955	94.1	1068	925	86.6	1153	1073	93.1	1079	93.6
Denbighshire LA	959	912	95.1	913	95.2	915	95.4	877	91.4	934	892	95.5	890	95.3	886	94.9	892	95.5	1069	946	88.5	1052	991	94.2	996	94.7
Flintshire LA	1381	1325	95.9	1319	95.5	1332	96.5	1306	94.6	1495	1430	95.7	1430	95.7	1426	95.4	1425	95.3	1617	1456	90.0	1634	1530	93.6	1535	93.9
Gwynedd LA	1041	1009	96.9	1004	96.4	1008	96.8	980	94.1	1057	1018	96.3	1018	96.3	1015	96.0	1017	96.2	1143	1049	91.8	1198	1124	93.8	1133	94.6
Wrexham LA	1360	1308	96.2	1302	95.7	1309	96.3	1268	93.2	1369	1316	96.1	1318	96.3	1312	95.8	1313	95.9	1458	1321	90.6	1509	1411	93.5	1428	94.6
Health Board Total	6331	6069	95.9	6052	95.6	6090	96.2	5918	93.5	6506	6229	95.7	6238	95.9	6205	95.4	6220	95.6	7093	6389	90.1	7249	6806	93.9	6852	94.5
Cardiff and Vale University HB																										
Cardiff LA	3733	3490	93.5	3480	93.2	3523	94.4	3422	91.7	3886	3611	92.9	3594	92.5	3540	91.1	3576	92.0	4185	3500	83.6	4401	4003	91.0	4029	91.5
Vale of Glamorgan LA	1230	1173	95.4	1163	94.6	1171	95.2	1150	93.5	1334	1249	93.6	1241	93.0	1232	92.4	1239	92.9	1532	1329	86.7	1517	1416	93.3	1431	94.3
Health Board Total	4963	4663	94.0	4643	93.6	4694	94.6	4572	92.1	5220	4860	93.1	4835	92.6	4772	91.4	4815	92.2	5717	4829	84.5	5918	5419	91.6	5460	92.3
Cwm Taf Morgannwg University HB																										
Bridgend LA	1324	1285	97.1	1286	97.1	1290	97.4	1277	96.5	1501	1431	95.3	1430	95.3	1422	94.7	1417	94.4	1611	1448	89.9	1596	1442	90.4	1452	91.0
Merthyr Tydfil LA	617	596	96.6	599	97.1	603	97.7	592	95.9	672	641	95.4	640	95.2	638	94.9	637	94.8	705	639	90.6	764	700	91.6	705	92.3
Rhondda Cynon Taf LA	2422	2359	97.4	2366	97.7	2367	97.7	2334	96.4	2591	2509	96.8	2512	97.0	2513	97.0	2514	97.0	2676	2409	90.0	2784	2618	94.0	2642	94.9
Health Board Total	4363	4240	97.2	4251	97.4	4260	97.6	4203	96.3	4764	4581	96.2	4582	96.2	4573	96.0	4568	95.9	4992	4496	90.1	5144	4760	92.5	4799	93.3
Hywel Dda University HB																										
Carmarthenshire LA	1671	1586	94.9	1581	94.6	1587	95.0	1580	94.6	1782	1677	94.1	1667	93.5	1659	93.1	1666	93.5	1948	1692	86.9	1990	1806	90.8	1822	91.6
Ceredigion LA	521	493	94.6	492	94.4	494	94.8	482	92.5	565	535	94.7	534	94.5	532	94.2	534	94.5	603	530	87.9	653	609	93.3	612	93.7
Pembrokeshire LA	1054	986	93.5	985	93.5	990	93.9	977	92.7	1082	1014	93.7	1014	93.7	1008	93.2	1007	93.1	1254	1055	84.1	1265	1116	88.2	1122	88.7
Health Board Total	3246	3065	94.4	3058	94.2	3071	94.6	3039	93.6	3429	3226	94.1	3215	93.8	3199	93.3	3207	93.5	3805	3277	86.1	3908	3531	90.4	3556	91.0
Powys Teaching HB																										
Health Board Total	1030	995	96.6	991	96.2	1001	97.2	987	95.8	1130	1087	96.2	1089	96.4	1086	96.1	1084	95.9	1187	1073	90.4	1245	1148	92.2	1167	93.7
Swansea Bay University HB																										
Neath Port Talbot LA	1270	1219	96.0	1217	95.8	1226	96.5	1205	94.9	1393	1318	94.6	1321	94.8	1316	94.5	1315	94.4	1537	1335	86.9	1543	1429	92.6	1435	93.0
Swansea LA	2221	2130	95.9	2119	95.4	2131	95.9	2100	94.6	2334	2200	94.3	2197	94.1	2193	94.0	2188	93.7	2432	2120	87.2	2604	2370	91.0	2391	91.8
Health Board Total	3491	3349	95.9	3336	95.6	3357	96.2	3305	94.7	3727	3518	94.4	3518	94.4	3509	94.2	3503	94.0	3969	3455	87.0	4147	3799	91.6	3826	92.3
Unknown	44	41	93.2	41	93.2	41	93.2	37	84.1	63	54	85.7	54	85.7	55	94.2	53	84.1	37	33	89.2	35	33	94.3	33	94.3
Wales Total	29574	28262	95.6	28218	95.4	28383	96.0	27746	93.8	31102	29500	94.8	29479	94.8	29328	94.3	29368	94.4	33468	29329	87.6	34669	31967	92.2	32209	92.9

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

Figure 4. (a) Uptake of '6 in 1' vaccine¹ in Welsh Local Authority areas in children reaching their 1st birthday between 01/04/20 and 31/03/21. **(b)** Uptake of at least 1 dose of MMR immunisation in Welsh Local Authority areas in children reaching their 2nd birthday between 01/04/20 and 31/03/21.

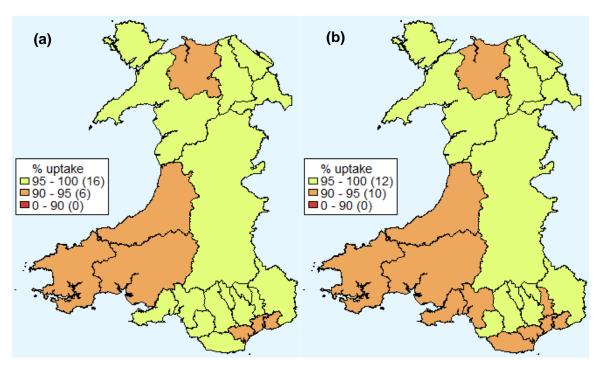
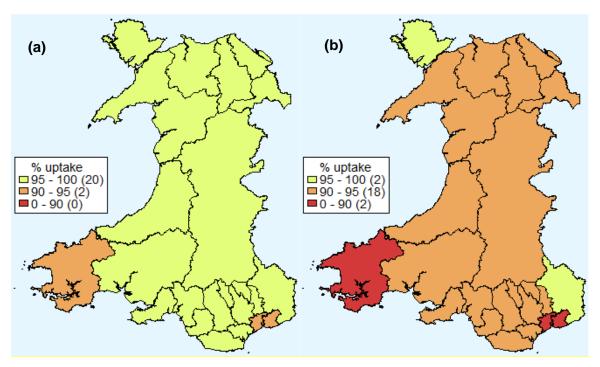
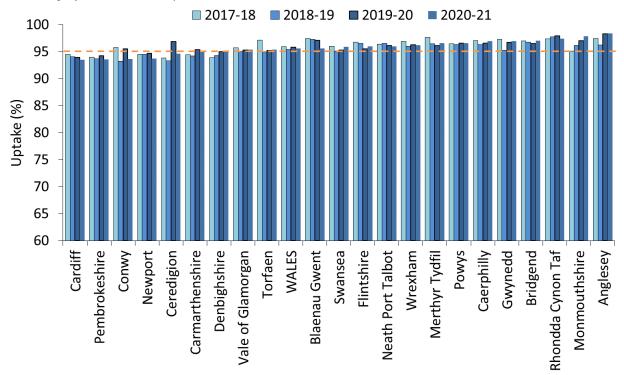


Figure 5. (a) Uptake of two doses of MMR vaccine in Welsh Local Authority areas in children reaching their 5^{th} birthday between 01/04/20 and 31/03/21. **(b)** Uptake of '4 in 1' vaccine in Welsh Local Authority areas in children reaching their 5^{th} birthday between 01/04/20 and 31/03/21.



¹Although the majority of one year olds referred to in this report would have been eligible for the '6 in 1' vaccine, a proportion of infants would have received the '5 in 1'.

Figure 6. Annual uptake of '5 in 1' or '6 in 1' vaccine by 1 year of age (2017 – 2021 financial years, ranked by uptake in 2020/21).¹



¹ During 2018-19 the majority of one year olds would have been eligible for the '6 in 1' vaccine, a proportion of infants would have received the '5 in 1'.

Figure 7. Annual uptake of 1 dose of MMR by 2 years of age (2017 – 2021 financial years, ranked by uptake in 2020/21).

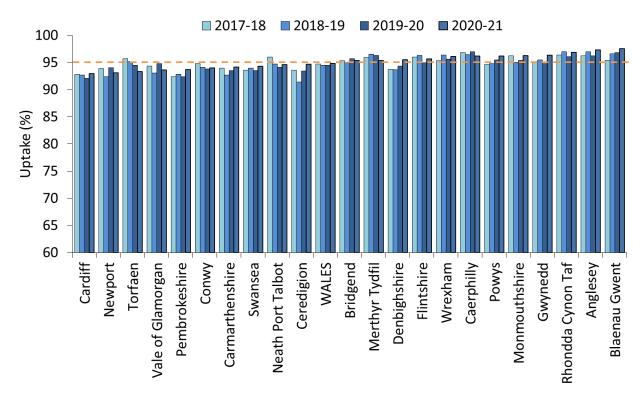


Figure 8. Annual uptake of 2 doses of MMR by 5 years of age (2017 – 2021 financial years, ranked by uptake in 2020/21).

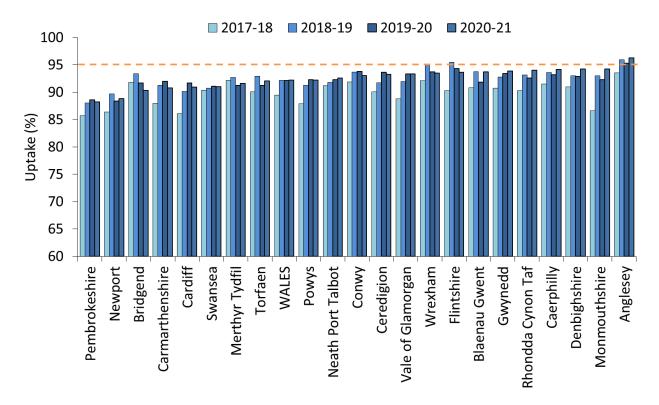


Figure 9. Annual uptake of the '4 in 1' pre-school booster by 5 years of age (2017 – 2021 financial years, ranked by uptake in 2020/21).

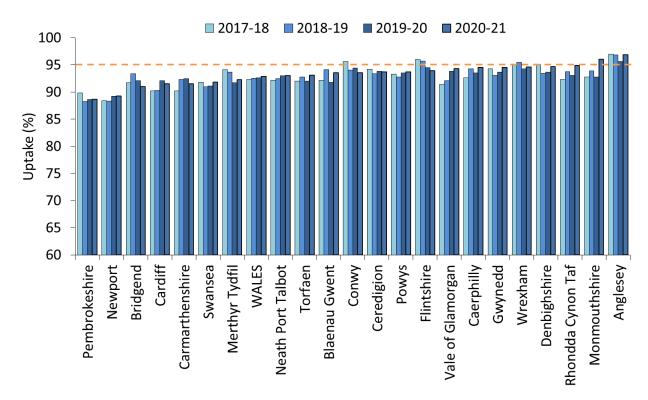
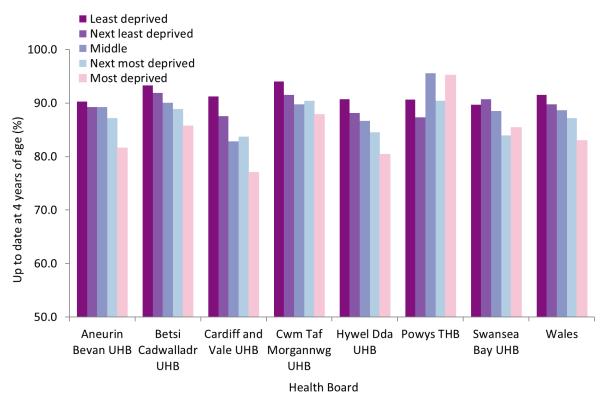
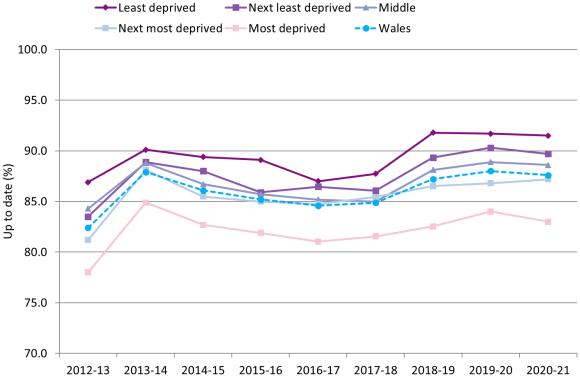


Figure 10. Percentage of children who are up to date with routine immunisations¹ by four years of age, by quintile of deprivation of the Lower Super Output Area in which they reside. Vaccine uptake is presented for children reaching their 4th birthday between 01/04/2020 and 31/03/2021 and resident on 31/03/2021.



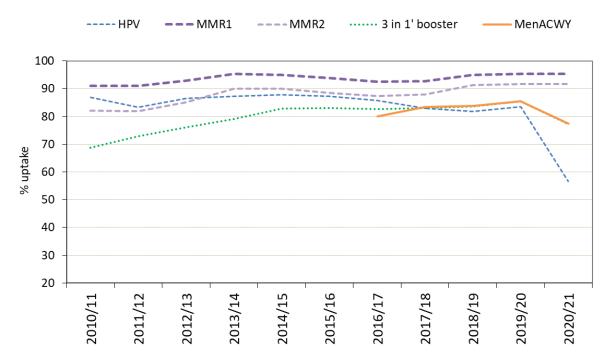
¹ Completed '4 in 1' pre-school booster, the Hib/MenC booster and second MMR dose by four years of age.

Figure 11. Percentage of children who are up to date with routine immunisations¹ by four years of age during 2012-2021 financial years, by quintile of deprivation of the Lower Super Output Area in which they reside.



¹ Completed '4 in 1' pre-school booster, the Hib/MenC booster and second MMR dose by four years of age.

Figure 12. Percentage uptake of the '3 in 1' Td/IPV teenage booster2 vaccine in resident children and a complete course of HPV1 vaccine in resident girls, in School Year 10 academic years 2010/11 to 2020/21.3



¹A complete three dose course of HPV vaccine in 2010/11 to 2015/16 school year 10 girls and a complete two dose course in 2016/17 to 2020/21 school year 10 girls.

²Teenage booster dose of diphtheria, tetanus and polio (diphtheria used as proxy)
³Data in resident children as at 31st March of the academic year reported on.

Table 3. Vaccine uptake in children reaching their 1st birthday between 01/04/2020 and 31/03/2021 and resident on 31/03/2021.

Area	Resident children	D	3	T	3	P	3	Po	3	Hil	3	Нер	oB ¹	ММ	R1	Rotav	/irus	PC	V ²	HibN	lenCb	Ме	nB³
Aneurin Bevan University HB	(n)	(n)	(%)	(n)	(%)	(n)	(%)	(n)	(%)	(n)	(%)	(n)	(%)	(n)	(%)	(n)	(%)	(n)	(%)	(n)	(%)	(n)	(9
Blaenau Gwent LA	749	716	95.6	716	95.6	716	95.6	716	95.6	716	95.6	716	95.6	0	0.0	701	93.6	722	96.4	0	0.0	722	96
Caerphilly LA	1783	1728	96.9	1728	96.9	1728	96.9	1728	96.9	1728	96.9	1727	96.9	4	0.2	1695	95.1	1732	97.1	4	0.2	1731	97
Monmouthshire LA	736	720	97.8	720	97.8	720	97.8	720	97.8	720	97.8	717	97.4	5	0.7	705	95.8	718	97.6	3	0.4	713	9
Newport LA	1884	1766	93.7	1766	93.7	1766	93.7	1766	93.7	1765	93.7	1764	93.6	7	0.4	1708	90.7	1777	94.3	3	0.2	1767	9
Torfaen LA	954	910	95.4	910	95.4	910	95.4	910	95.4	910	95.4	910	95.4	1	0.1	876	91.8	920	96.4	0	0.0	913	9
Health Board Total	6106	5840	95.6	5840	95.6	5840	95.6	5840	95.6	5839	95.6	5834	95.5	17	0.3	5685	93.1	5869	96.1	10	0.2	5846	9
Betsi Cadwaladr University HB																							
Anglesey LA	554	545	98.4	545	98.4	545	98.4	545	98.4	545	98.4	545	98.4	5	0.9	534	96.4	542	97.8	3	0.5	544	9
Conwy LA	1036	970	93.6	970	93.6	970	93.6	970	93.6	970	93.6	970	93.6	6	0.6	953	92.0	984	95.0	5	0.5	970	9
Denbighshire LA	959	912	95.1	912	95.1	912	95.1	912	95.1	912	95.1	910	94.9	5	0.5	877	91.4	915	95.4	3	0.3	913	9
Flintshire LA	1381	1325	95.9	1325	95.9	1325	95.9	1325	95.9	1325	95.9	1324	95.9	5	0.4	1306	94.6	1332	96.5	4	0.3	1319	9
Gwynedd LA	1041	1009	96.9	1009	96.9	1009	96.9	1009	96.9	1009	96.9	1009	96.9	8	0.8	980	94.1	1008	96.8	8	8.0	1004	9
Wrexham LA	1360	1308	96.2	1308	96.2	1308	96.2	1308	96.2	1308	96.2	1305	96.0	5	0.4	1268	93.2	1309	96.3	5	0.4	1302	9
Health Board Total	6331	6069	95.9	6069	95.9	6069	95.9	6069	95.9	6069	95.9	6063	95.8	34	0.5	5918	93.5	6090	96.2	28	0.4	6052	9
Cardiff and Vale University HB																							
Cardiff LA	3733	3490	93.5	3490	93.5	3490	93.5	3490	93.5	3490	93.5	3490	93.5	15	0.4	3422	91.7	3523	94.4	9	0.2	3480	9
Vale of Glamorgan LA	1230	1173	95.4	1173	95.4	1173	95.4	1172	95.3	1172	95.3	1170	95.1	7	0.6	1150	93.5	1171	95.2	5	0.4	1163	94
Health Board Total	4963	4663	94.0	4663	94	4663	94.0	4662	93.9	4662	93.9	4660	93.9	22	0.4	4572	92.1	4694	94.6	14	0.3	4643	9:
Cwm Taf Morgannwg University HB																							
Bridgend LA	1324	1285	97.1	1285	97.1	1285	97.1	1285	97.1	1285	97.1	1284	97.0	2	0.2	1277	96.5	1290	97.4	1	0.1	1286	9
Merthyr Tydfil LA	617	596	96.6	596	96.6	596	96.6	596	96.6	596	96.6	596	96.6	0	0.0	592	95.9	603	97.7	0	0.0	599	9
Rhondda Cynon Taf LA	2422	2359	97.4	2359	97.4	2359	97.4	2359	97.4	2359	97.4	2359	97.4	8	0.3	2334	96.4	2367	97.7	7	0.3	2366	9
Health Board Total	4363	4240	97.2	4240	97.2	4240	97.2	4240	97.2	4240	97.2	4239	97.2	10	0.2	4203	96.3	4260	97.6	8	0.2	4251	9
Hywel Dda University HB																							
Carmarthenshire LA	1671	1586	94.9	1586	94.9	1586	94.9	1586	94.9	1585	94.9	1586	94.9	2	0.1	1580	94.6	1587	95.0	1	0.1	1581	9
Ceredigion LA	521	493	94.6	493	94.6	493	94.6	493	94.6	493	94.6	490	94.0	1	0.2	482	92.5	494	94.8	0	0.0	492	9
Pembrokeshire LA	1054	986	93.5	986	93.5	986	93.5	986	93.5	986	93.5	986	93.5	0	0.0	977	92.7	990	93.9	0	0.0	985	9
Health Board Total	3246	3065	94.4	3065	94.4	3065	94.4	3065	94.4	3064	94.4	3062	94.3	3	0.1	3039	93.6	3071	94.6	1	0.0	3058	9
Powys Teaching HB																							
Health Board Total	1030	995	96.6	995	96.6	995	96.6	994	96.5	995	96.6	992	96.3	3	0.3	987	95.8	1001	97.2	2	0.2	991	9
Swansea Bay University HB																							
Neath Port Talbot LA	1270	1219	96.0	1219	96	1219	96.0	1219	96.0	1219	96.0	1219	96.0	2	0.2	1205	94.9	1226	96.5	1	0.1	1217	9
Swansea LA	2221	2130	95.9	2130	95.9	2130	95.9	2129	95.9	2130	95.9	2130	95.9	6	0.3	2100	94.6	2131	95.9	4	0.2	2119	9
Health Board Total	3491	3349	95.9	3349	95.9	3349	95.9	3348	95.9	3349	95.9	3349	95.9	8	0.2	3305	94.7	3357	96.2	5	0.1	3336	9
Jnknown	44	41	93.2	41	93.2	41	93.2	41	93.2	41	93.2	41	80.0	0	0.0	37	84.1	41	93.2	0	0.0	41	9
Wales Total	29574			28262										97		07740	00.0	28383	~~ ~	68	0.2	28218	9:

¹Although the majority of one year olds referred to in this report would have been eligible for the '6 in 1' vaccine, a proportion of infants would have received the '5 in 1'.

² Full primary two dose course of pneumococcal conjugate vaccine.

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

Table 4. Vaccine uptake in children reaching their 2nd birthday between 01/04/2020 and 31/03/2021 and resident on 31/03/2021.

Area	Resident children	D	3	Т	3	Р	3	Po	3	Hi	b3	MM	IR1	Mer	nB ¹	PC	V2 ²	РС	Vf ³	HibM	enC
Aneurin Bevan University HB	(n)	(n)	(%)	(n)	(%)	(n)	(%)	(n)	(%												
Blaenau Gwent LA	693	681	98.3	681	98.3	681	98.3	680	98.1	680	98.1	676	97.5	672	97.0	676	97.5	675	97.4	670	96
Caerphilly LA	1855	1815	97.8	1815	97.8	1815	97.8	1815	97.8	1815	97.8	1784	96.2	1782	96.1	1801	97.1	1786	96.3	1778	95
Monmouthshire LA	771	753	97.7	753	97.7	753	97.7	753	97.7	753	97.7	742	96.2	737	95.6	749	97.1	743	96.4	742	96
Newport LA	1954	1867	95.5	1867	95.5	1867	95.5	1868	95.6	1867	95.5	1819	93.1	1812	92.7	1847	94.5	1818	93.0	1807	92
Torfaen LA	990	951	96.1	951	96.1	951	96.1	950	96.0	951	96.1	924	93.3	926	93.5	940	94.9	926	93.5	921	93
Health Board Total	6263	6067	96.9	6067	96.9	6067	96.9	6066	96.9	6066	96.9	5945	94.9	5929	94.7	6013	96.0	5948	95.0	5918	94
Betsi Cadwaladr University HB																					
Anglesey LA	636	630	99.1	630	99.1	630	99.1	631	99.2	630	99.1	619	97.3	613	96.4	625	98.3	620	97.5	618	9
Conwy LA	1015	984	96.9	984	96.9	984	96.9	984	96.9	983	96.8	954	94.0	953	93.9	968	95.4	962	94.8	955	9
Denbighshire LA	934	898	96.1	898	96.1	898	96.1	898	96.1	898	96.1	892	95.5	886	94.9	889	95.2	890	95.3	892	9
Flintshire LA	1495	1443	96.5	1443	96.5	1443	96.5	1442	96.5	1443	96.5	1430	95.7	1426	95.4	1433	95.9	1430	95.7	1425	9
Gwynedd LA	1057	1035	97.9	1035	97.9	1035	97.9	1035	97.9	1035	97.9	1018	96.3	1015	96.0	1023	96.8	1018	96.3	1017	96
Wrexham LA	1369	1335	97.5	1335	97.5	1335	97.5	1335	97.5	1335	97.5	1316	96.1	1312	95.8	1327	96.9	1318	96.3	1313	9
Health Board Total	6506	6325	97.2	6325	97.2	6325	97.2	6325	97.2	6324	97.2	6229	95.7	6205	95.4	6265	96.3	6238	95.9	6220	9
Cardiff and Vale University HB																					
Cardiff LA	3886	3723	95.8	3723	95.8	3723	95.8	3723	95.8	3719	95.7	3611	92.9	3540	91.1	3648	93.9	3594	92.5	3576	9:
Vale of Glamorgan LA	1334	1281	96.0	1281	96.0	1281	96.0	1281	96.0	1281	96.0	1249	93.6	1232	92.4	1267	95.0	1241	93.0	1239	9:
Health Board Total	5220	5004	95.9	5004	95.9	5004	95.9	5004	95.9	5000	95.8	4860	93.1	4772	91.4	4915	94.2	4835	92.6	4815	92
Cwm Taf Morgannwg University HB																					
Bridgend LA	1501	1463	97.5	1463	97.5	1463	97.5	1463	97.5	1463	97.5	1431	95.3	1422	94.7	1446	96.3	1430	95.3	1417	94
Merthyr Tydfil LA	672	651	96.9	651	96.9	651	96.9	652	97.0	651	96.9	641	95.4	638	94.9	648	96.4	640	95.2	637	94
Rhondda Cynon Taf LA	2591	2548	98.3	2548	98.3	2548	98.3	2548	98.3	2548	98.3	2509	96.8	2513	97.0	2541	98.1	2512	97.0	2514	97
Health Board Total	4764	4662	97.9	4662	97.9	4662	97.9	4663	97.9	4662	97.9	4581	96.2	4573	96.0	4635	97.3	4582	96.2	4568	9
Hywel Dda University HB																					
Carmarthenshire LA	1782	1718	96.4	1718	96.4	1718	96.4	1718	96.4	1718	96.4	1677	94.1	1659	93.1	1707	95.8	1667	93.5	1666	93
Ceredigion LA	565	548	97.0	548	97.0	548	97.0	548	97.0	547	96.8	535	94.7	532	94.2	543	96.1	534	94.5	534	94
Pembrokeshire LA	1082	1034	95.6	1034	95.6	1034	95.6	1034	95.6	1034	95.6	1014	93.7	1008	93.2	1022	94.5	1014	93.7	1007	93
Health Board Total	3429	3300	96.2	3300	96.2	3300	96.2	3300	96.2	3299	96.2	3226	94.1	3199	93.3	3272	95.4	3215	93.8	3207	93
Powys Teaching HB																					
Health Board Total	1130	1100	97.3	1100	97.3	1100	97.3	1100	97.3	1100	97.3	1087	96.2	1086	96.1	1091	96.5	1089	96.4	1084	95
Swansea Bay University HB																					
Neath Port Talbot LA	1393	1352	97.1	1352	97.1	1352	97.1	1352	97.1	1352	97.1	1318	94.6	1316	94.5	1340	96.2	1321	94.8	1315	94
Swansea LA	2334	2252	96.5	2252	96.5	2252	96.5	2251	96.4	2252	96.5	2200	94.3	2193	94.0	2205	94.5	2197	94.1	2188	93
Health Board Total	3727	3604	96.7	3604	96.7	3604	96.7	3603	96.7	3604	96.7	3518	94.4	3509	94.2	3545	95.1	3518	94.4	3503	94
Unknown	63	58	92.1	58	92.1	58	92.1	58	92.1	58	92.1	54	85.7	55	94.2	56	88.9	54	85.7	53	84
Wales Total	31102	30120	96.8	30120	96.8	30120	96.8	30119	96.8	30113	96.8	29500	94.8	29328	94.3	29792	95.8	29479	94.8	29368	94
	0.102	30.20	00.0	30.20	50.5	20.20	50.5	500	30.0	500	00.0	_0000	55		5 1.5	_U. UL	50.5	_00	5 1.5	_0000	

Table 5. Vaccine uptake in children reaching their 4th birthday between 01/04/2020 and 31/03/2021 and resident on 31/03/2021.

Area	Resident Children	4 in 1 Presch	nool booster ¹	HibMe	enCb	MMR	dose 2	Up to date i	n schedule ²
Aneurin Bevan University HB	(n)	(n)	(%)	(n)	(%)	(n)	(%)	(n)	(%)
Blaenau Gwent LA	727	653	89.8	703	96.7	650	89.4	645	88.7
Caerphilly LA	1979	1763	89.1	1910	96.5	1762	89.0	1742	88.0
Monmouthshire LA	841	760	90.4	794	94.4	754	89.7	744	88.5
Newport LA	2048	1737	84.8	1886	92.1	1728	84.4	1687	82.4
Torfaen LA	1073	975	90.9	1024	95.4	970	90.4	959	89.4
Health Board Total	6668	5888	88.3	6317	94.7	5864	87.9	5777	86.6
Betsi Cadwaladr University HB									
Anglesey LA	738	696	94.3	721	97.7	693	93.9	692	93.8
Conwy LA	1068	937	87.7	1027	96.2	932	87.3	925	86.6
Denbighshire LA	1069	950	88.9	1018	95.2	951	89.0	946	88.5
Flintshire LA	1617	1471	91.0	1555	96.2	1462	90.4	1456	90.0
Gwynedd LA	1143	1063	93.0	1103	96.5	1056	92.4	1049	91.8
Wrexham LA	1458	1341	92.0	1406	96.4	1328	91.1	1321	90.6
Health Board Total	7093	6458	91.0	6830	96.3	6422	90.5	6389	90.1
Cardiff and Vale University HB									
Cardiff LA	4185	3584	85.6	3918	93.6	3563	85.1	3500	83.6
Vale of Glamorgan LA	1532	1344	87.7	1457	95.1	1349	88.1	1329	86.7
Health Board Total	5717	4928	86.2	5375	94.0	4912	85.9	4829	84.5
Cwm Taf Morgannwg University HB									
Bridgend LA	1611	1463	90.8	1552	96.3	1460	90.6	1448	89.9
Merthyr Tydfil LA	705	646	91.6	676	95.9	646	91.6	639	90.6
Rhondda Cynon Taf LA	2676	2427	90.7	2601	97.2	2420	90.4	2409	90.0
Health Board Total	4992	4536	90.9	4829	96.7	4526	90.7	4496	90.1
Hywel Dda University HB									
Carmarthenshire LA	1948	1721	88.3	1850	95.0	1708	87.7	1692	86.9
Ceredigion LA	603	536	88.9	566	93.9	536	88.9	530	87.9
Pembrokeshire LA	1254	1070	85.3	1168	93.1	1065	84.9	1055	84.1
Health Board Total	3805	3327	87.4	3584	94.2	3309	87.0	3277	86.1
Powys Teaching HB									
Health Board Total	1187	1088	91.7	1128	95.0	1079	90.9	1073	90.4
Swansea Bay University HB									
Neath Port Talbot LA	1537	1349	87.8	1479	96.2	1339	87.1	1335	86.9
Swansea LA	2432	2159	88.8	2300	94.6	2146	88.2	2120	87.2
Health Board Total	3969	3508	88.4	3779	95.2	3485	87.8	3455	87.0
Unknown	37	33	89.2	36	97.3	33	89.2	33	89.2
Wales Total	33468	29766	88.9	31878	95.2	29630	88.5	29329	87.6

Uptake of acellular pertussis used as proxy
 Completed '4 in 1' preschool booster, the Hib/MenC booster and second MMR dose by four years of age.

Table 6. Percentages of children who are up to date with routine immunisations¹ by four years of age, by quintile of deprivation of the Lower Super Output Area in which they reside. Vaccine uptake is presented for children reaching their 4th birthday between 01/04/2020 and 31/03/2021 and resident on 31/03/2021.

	Le	ast deprive	d	Next	t least depri	ved		Middle		Next	most depri	ved	M	ost deprive	d
Health Board	Resident children	Up to da	ite by 4y	Resident children	Up to da	te by 4y	Resident children	Up to da	ite by 4y	Resident children	Up to da	te by 4y	Resident children	Up to da	ite by 4y
	(n)	(n)	(%)	(n)	(n)	(%)	(n)	(n)	(%)	(n)	(n)	(%)	(n)	(n)	(%)
Aneurin Bevan	985	889	90.3	880	785	89.2	1306	1165	89.2	1519	1324	87.2	1978	1614	81.6
Betsi Cadwalladr University	1188	1108	93.3	1706	1568	91.9	1643	1480	90.1	1348	1198	88.9	1208	1035	85.7
Cardiff and Vale University	1847	1685	91.2	721	631	87.5	582	482	82.8	806	675	83.7	1761	1356	77.0
Cwm Taf Morgannwg	621	584	94.0	542	496	91.5	714	641	89.8	1532	1385	90.4	1583	1390	87.8
Hywel Dda	216	196	90.7	985	868	88.1	1336	1158	86.7	865	731	84.5	403	324	80.4
Powys Teaching	128	116	90.6	567	495	87.3	294	281	95.6	156	141	90.4	42	40	95.2
Swansea Bay University	796	714	89.7	421	382	90.7	663	587	88.5	810	680	84.0	1279	1092	85.4
Wales Total	5781	5292	91.5	5822	5225	89.7	6538	5794	88.6	7036	6134	87.2	8254	6851	83.0

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

Table 7. Vaccine uptake in children reaching their 5th birthday between 01/04/2020 and 31/03/2021 and resident on 31/03/2021.

Area	Resident children	D	3	т	3	Р	3	Po	3	Hil	b3	Me	nC	РС	Vf ¹	HibM	enCb	ММ	IR1	MN	IR2	D	04	Т	4	al	-	Po	54
Aneurin Bevan University HB	(n)	(n)	(%)	(n)	(%)	(n)	(%)	(n)	(%)	(n)	(%)	(n)	(%)	(n)	(%)	(n)	(%)	(n)	(%)										
Blaenau Gwent LA	712	705	99.0	705	99.0	705	99.0	705	99.0	705	99.0	685	96.21	689	96.8	686	96.3	692	97.2	667	93.7	666	93.5	666	93.5	666	93.5	666	93.5
Caerphilly LA	2114	2070	97.9	2070	97.9	2070	97.9	2070	97.9	2069	97.9	1995	94.37	2030	96.0	2040	96.5	2065	97.7	1991	94.2	1999	94.6	1999	94.6	1999	94.6	1999	94.6
Monmouthshire LA	904	862	95.4	862	95.4	862	95.4	861	95.2	860	95.1	833	92.15	855	94.6	862	95.4	884	97.8	852	94.2	868	96.0	868	96.0	868	96.0	868	96.0
Newport LA	2175	2060	94.7	2061	94.8	2059	94.7	2061	94.8	2055	94.5	1902	87.4	1992	91.6	1979	91.0	2057	94.6	1932	88.8	1942	89.3	1942	89.3	1942	89.3	1941	89.2
Torfaen LA	1118	1098	98.2	1098	98.2	1098	98.2	1098	98.2	1098	98.2	1067	95.44	1074	96.1	1067	95.4	1085	97.0	1029	92.0	1041	93.1	1041	93.1	1041	93.1	1041	93.1
Health Board Total	7023	6795	96.8	6796	96.8	6794	96.7	6795	96.8	6787	96.6	6482	92.3	6640	94.5	6634	94.5	6783	96.6	6471	92.1	6516	92.8	6516	92.8	6516	92.8	6515	92.8
Betsi Cadwaladr University HB																													
Anglesey LA	703	695	98.9	695	98.9	695	98.9	695	98.9	695	98.9	660	93.9	682	97.0	688	97.9	691	98.3	677	96.3	681	96.9	681	96.9	681	96.9	681	96.9
Conwy LA	1153	1120	97.1	1120	97.1	1120	97.1	1118	97.0	1120	97.1	1046	90.7	1095	95.0	1103	95.7	1114	96.6	1073	93.1	1079	93.6	1079	93.6	1079	93.6	1079	93.6
Denbighshire LA	1052	1025	97.4	1025	97.4	1025	97.4	1025	97.4	1025	97.4	964	91.6	994	94.5	1019	96.9	1021	97.1	991	94.2	996	94.7	996	94.7	996	94.7	996	94.7
Flintshire LA	1634	1593	97.5	1593	97.5	1593	97.5	1593	97.5	1592	97.4	1486	90.9	1562	95.6	1572	96.2	1583	96.9	1530	93.6	1536	94.0	1536	94.0	1535	93.9	1536	94.0
Gwynedd LA	1198	1160	96.8	1160	96.8	1160	96.8	1160	96.8	1160	96.8	1044	87.1	1141	95.2	1144	95.5	1156	96.5	1124	93.8	1133	94.6	1133	94.6	1133	94.6	1133	94.6
Wrexham LA	1509	1463	97.0	1463	97.0	1463	97.0	1461	96.8	1463	97.0	1382	91.6	1429	94.7	1443	95.6	1462	96.9	1411	93.5	1428	94.6	1428	94.6	1428	94.6	1428	94.6
Health Board Total	7249	7056	97.3	7056	97.3	7056	97.3	7052	97.3	7055	97.3	6582	90.8	6903	95.2	6969	96.1	7027	96.9	6806	93.9	6853	94.5	6853	94.5	6852	94.5	6853	94.5
Cardiff and Vale University HB																													
Cardiff LA	4401	4224	96.0	4224	96.0	4224	96.0	4224	96.0	4220	95.9	3868	87.9	4054	92.1	4149	94.3	4233	96.2	4003	91.0	4029	91.5	4029	91.5	4029	91.5	4034	91.7
Vale of Glamorgan LA	1517	1476	97.3	1476	97.3	1476	97.3	1476	97.3	1475	97.2	1394	91.9	1426	94.0	1462	96.4	1481	97.6	1416	93.3	1431	94.3	1431	94.3	1431	94.3	1431	94.3
Health Board Total	5918	5700	96.3	5700	96.3	5700	96.3	5700	96.3	5695	96.2	5262	88.9	5480	92.6	5611	94.8	5714	96.6	5419	91.6	5460	92.3	5460	92.3	5460	92.3	5465	92.3
Cwm Taf Morgannwg University HB																													
Bridgend LA	1596	1554	97.4	1554	97.4	1554	97.4	1552	97.2	1552	97.2	1469	92.0	1511	94.7	1517	95.1	1543	96.7	1442	90.4	1452	91.0	1452	91.0	1452	91.0	1451	90.9
Merthyr Tydfil LA	764	745	97.5	745	97.5	745	97.5	745	97.5	745	97.5	728	95.3	723	94.6	722	94.5	737	96.5	700	91.6	706	92.4	705	92.3	705	92.3	705	92.3
Rhondda Cynon Taf LA	2784	2750	98.8	2751	98.8	2750	98.8	2751	98.8	2750	98.8	2676	96.1	2714	97.5	2706	97.2	2736	98.3	2618	94.0	2642	94.9	2642	94.9	2642	94.9	2642	94.9
Health Board Total	5144	5049	98.2	5050	98.2	5049	98.2	5048	98.1	5047	98.1	4873	94.7	4948	96.2	4945	96.1	5016	97.5	4760	92.5	4800	93.3	4799	93.3	4799	93.3	4798	93.3
Hywel Dda University HB																													
Carmarthenshire LA	1990	1935	97.2	1935	97.2	1935	97.2	1935	97.2	1933	97.1	1829	91.9	1881	94.5	1886	94.8	1927	96.8	1806	90.8	1822	91.6	1822	91.6	1822	91.6	1820	91.5
Ceredigion LA	653	625	95.7	625	95.7	625	95.7	624	95.6	623	95.4	589	90.2	606	92.8	614	94.0	621	95.1	609	93.3	612	93.7	612	93.7	612	93.7	612	93.7
Pembrokeshire LA	1265	1203	95.1	1203	95.1	1203	95.1	1204	95.2	1202	95.0	1125	88.9	1171	92.6	1181	93.4	1191	94.2	1116	88.2	1122	88.7	1122	88.7	1122	88.7	1122	88.7
Health Board Total	3908	3763	96.3	3763	96.3	3763	96.3	3763	96.3	3758	96.2	3543	90.7	3658	93.6	3681	94.2	3739	95.7	3531	90.4	3556	91.0	3556	91.0	3556	91.0	3554	90.9
Powys Teaching HB																													
Health Board Total	1245	1192	95.7	1192	95.7	1192	95.7	1192	95.7	1192	95.7	1132	90.9	1165	93.6	1174	94.3	1183	95.0	1148	92.2	1167	93.7	1167	93.7	1167	93.7	1167	93.7
Swansea Bay University HB																													
Neath Port Talbot LA	1543	1520	98.5	1520	98.5	1520	98.5	1520	98.5	1520	98.5	1461	94.7	1487	96.4	1498	97.1	1503	97.4	1429	92.6	1435	93.0	1435	93.0	1435	93.0	1435	93.0
Swansea LA	2604	2510	96.4	2510	96.4	2509	96.4	2509	96.4	2503	96.1	2337	89.7	2437	93.6	2460	94.5	2497	95.9	2370	91.0	2391	91.8	2391	91.8	2391	91.8	2391	91.8
Health Board Total	4147	4030	97.2	4030	97.2	4029	97.2	4029	97.2	4023	97.0	3798	91.6	3924	94.6	3958	95.4	4000	96.5	3799	91.6	3826	92.3	3826	92.3	3826	92.3	3826	92.3
Unknown	35	34	97.1	34	97.1	34	97.1	34	97.1	34	97.1	30	85.7	33	94.3	34	97.1	34	97.1	33	94.3	33	94.3	33	94.3	33	94.3	33	94.3
Wales Total	34669	22640	07.0		07.0	22647	07.0	22642	07.0	22504	06.0	24702	01.4		04.5	22000	05.0		06.0		02.2	22244	02.0	22240	02.0	22200			
Vales I otal				33621	97.0	33617	97.0	33613	97.0	JJ591	90.9	31702	91.4	32/51	94.5	33006	95.2	33496	90.6	31967	92.2	32211	92.9	32210	92.9	32209	92.9	32211	92.9

¹ Final (booster) dose of pneumococcal conjugate vaccine

Table 8. HPV Vaccine uptake in children reaching their 14th, 15th and 16th birthdays between 01/09/2020 and 31/08/2021 and resident on 31/03/2021 (School Year 9, 10 and 11 during 2019/20). Uptake for those reaching 15 and 16 years of age is for girls only.

	14 years (202	0-21 Scho	ol Year 9)	15 yea	ars (2020	0-21 Sch	ool Year	10)	16 year	s (2020-	21 Sch	ool Year	r 11)
Area	Resident Children	HPV	1 dose	Resident girls	HPV 1	dose	HPV 2	doses	Resident girls	HPV 1	dose	HPV 2	doses
Aneurin Bevan University HB		(n)	(%)		(n)	(%)	(n)	(%)		(n)	(%)	(n)	(%)
Blaenau Gwent LA	724	315	43.5	414	359	86.7	274	66.2	342	312	91.2	293	85.7
Caerphilly LA	2093	1168	55.8	1028	921	89.6	541	52.6	1014	930	91.7	881	86.9
Monmouthshire LA	1056	324	30.7	519	423	81.5	250	48.2	528	419	79.4	389	73.7
Newport LA	2033	963	47.4	959	788	82.2	378	39.4	955	793	83.0	756	79.2
Torfaen LA	1130	570	50.4	551	486	88.2	303	55.0	548	479	87.4	457	83.4
Health Board Total	7036	3340	47.5	3471	2977	85.8	1746	50.3	3387	2933	86.6	2776	82.0
Betsi Cadwaladr University HB													
Anglesey LA	778	578	74.3	342	295	86.3	247	72.2	344	298	86.6	288	83.7
Conwy LA	1211	707	58.4	596	528	88.6	328	55.0	535	492	92.0	463	86.5
Denbighshire LA	1109	643	58.0	545	461	84.6	340	62.4	533	473	88.7	442	82.9
Flintshire LA	1811	1385	76.5	824	709	86.0	606	73.5	814	738	90.7	661	81.2
Gwynedd LA	1329	1112	83.7	678	620	91.4	586	86.4	634	570	89.9	554	87.4
Wrexham LA	1562	1149	73.6	768	664	86.5	566	73.7	739	670	90.7	620	83.9
Health Board Total	7800	5574	71.5	3753	3277	87.3	2673	71.2	3599	3241	90.1	3028	84.1
Cardiff and Vale University HB													
Cardiff LA	4285	3159	73.7	1988	1719	86.5	1398	70.3	1998	1747	87.4	1638	82.0
Vale of Glamorgan LA	1614	1283	79.5	743	692	93.1	581	78.2	764	687	89.9	664	86.9
Health Board Total	5899	4442	75.3	2731	2411	88.3	1979	72.5	2762	2434	88.1	2302	83.3
Cwm Taf Morgannwg University HB													
Bridgend LA	1749	1260	72.0	795	729	91.7	13	1.6	793	727	91.7	677	85.4
Merthyr Tydfil LA	710	452	63.7	323	290	89.8	14	4.3	355	329	92.7	306	86.2
Rhondda Cynon Taf LA	2848	2025	71.1	1407	1311	93.2	45	3.2	1402	1309	93.4	1234	88.0
Health Board Total	5307	3737	70.4	2525	2330	92.3	72	2.9	2550	2365	92.7	2217	86.9
Hywel Dda University HB													
Carmarthenshire LA	2148	1840	85.7	1011	903	89.3	828	81.9	979	893	91.2	863	88.2
Ceredigion LA	704	589	83.7	301	266	88.4	247	82.1	298	256	85.9	254	85.2
Pembrokeshire LA	1345	714	53.1	614	541	88.1	281	45.8	620	548	88.4	506	81.6
Health Board Total	4197	3143	74.9	1926	1710	88.8	1356	70.4	1897	1697	89.5	1623	85.6
Powys Teaching HB													
Health Board Total	1347	79	5.9	686	590	86.0	44	6.4	677	572	84.5	527	77.8
Swansea Bay University HB													
Neath Port Talbot LA	1632	1474	90.3	802	774	96.5	709	88.4	828	780	94.2	754	91.1
Swansea LA	2701	2443	90.4	1228	1152	93.8	1101	89.7	1185	1085	91.6	1052	88.8
Health Board Total	4333	3917	90.4	2030	1926	94.9	1810	89.2	2013	1865	92.6	1806	89.7
Unknown	70	40	57.1	32	27	84.4	19	59.4	45	39	86.7	38	84.4
Wales Total	35989	24272	67.4	17154	15248	88.9	9699	56.5	16930	15146	89.5	14317	84.6

Table 9. Vaccine uptake in children reaching their 15th birthday between 01/09/2020 and 31/08/2021 and resident on 31/03/2021 (with breakdown of MMR1 and MMR2 coverage by sex).

Area	Resident					Teenage	e 3 in 1			Resident	ММ	R1	MM	IR2	HP	V 2	Resident	MN	IR1	MN	MR2
Area	children	MM	IR1	MN	IR2	boos	ter ¹	MenA	CWY	girls	(gir	ls)	(gir	ls)	dos	ses	boys	(bo	ys)	(bo	oys)
Aneurin Bevan University HB	(n)	(n)	(%)	(n)	(%)	(n)	(%)	(n)	(%)	(n)	(n)	(%)	(n)	(%)	(n)	(%)	(n)	(n)	(%)	(n)	(%)
Blaenau Gwent LA	776	756	97.4	737	95.0	648	83.5	649	83.6	414	408	98.6	398	96.1	274	66.2	362	348	96.1	339	93.6
Caerphilly LA	2140	2098	98.0	2037	95.2	1744	81.5	1746	81.6	1028	1017	98.9	987	96.0	541	52.6	1112	1081	97.2	1050	94.4
Monmouthshire LA	1080	1006	93.1	974	90.2	817	75.6	820	75.9	519	491	94.6	476	91.7	250	48.2	561	515	91.8	498	88.8
Newport LA	1918	1823	95.0	1739	90.7	1468	76.5	1474	76.9	959	916	95.5	879	91.7	378	39.4	958	907	94.7	860	89.8
Torfaen LA	1139	1103	96.8	1056	92.7	853	74.9	855	75.1	551	532	96.6	514	93.3	303	55.0	588	571	97.1	542	92.2
Health Board Total	7053	6786	96.2	6543	92.8	5530	78.4	5544	78.6	3471	3364	96.9	3254	93.7	1746	50.3	3581	3422	95.6	3289	91.8
Betsi Cadwaladr University HB																					
Anglesey LA	719	687	95.5	666	92.6	552	76.8	543	75.5	342	326	95.3	316	92.4	247	72.2	377	361	95.8	350	92.8
Conwy LA	1231	1160	94.2	1136	92.3	978	79.4	981	79.7	596	551	92.4	537	90.1	328	55.0	634	608	95.9	598	94.3
Denbighshire LA	1094	1053	96.3	1017	93.0	805	73.6	812	74.2	545	526	96.5	502	92.1	340	62.4	549	527	96.0	515	93.8
Flintshire LA	1695	1609	94.9	1549	91.4	1052	62.1	1054	62.2	824	776	94.2	748	90.8	606	73.5	871	833	95.6	801	92.0
Gwynedd LA	1354	1295	95.6	1258	92.9	1045	77.2	1035	76.4	678	654	96.5	630	92.9	586	86.4	676	641	94.8	628	92.9
Wrexham LA	1569	1513	96.4	1475	94.0	1083	69.0	1090	69.5	768	746	97.1	731	95.2	566	73.7	801	767	95.8	744	92.9
Health Board Total	7662	7317	95.5	7101	92.7	5515	72.0	5515	72.0	3753	3579	95.4	3464	92.3	2673	71.2	3908	3737	95.6	3636	93.0
Cardiff and Vale University HB																					
Cardiff LA	4133	3881	93.9	3652	88.4	3160	76.5	3162	76.5	1988	1866	93.9	1749	88.0	1398	70.3	2145	2015	93.9	1903	88.7
Vale of Glamorgan LA	1507	1444	95.8	1385	91.9	1269	84.2	1268	84.1	743	714	96.1	688	92.6	581	78.2	764	730	95.5	697	91.2
Health Board Total	5640	5325	94.4	5037	89.3	4429	78.5	4430	78.5	2731	2580	94.5	2437	89.2	1979	72.5	2909	2745	94.4	2600	89.4
Cwm Taf Morgannwg University HB																					
Bridgend LA	1637	1557	95.1	1488	90.9	1434	87.6	1435	87.7	795	758	95.3	729	91.7	13	1.6	841	798	94.9	758	90.1
Merthyr Tydfil LA	702	667	95.0	644	91.7	618	88.0	618	88.0	323	305	94.4	291	90.1	14	4.3	379	362	95.5	353	93.1
Rhondda Cynon Taf LA	2869	2761	96.2	2669	93.0	2552	89.0	2559	89.2	1407	1360	96.7	1324	94.1	45	3.2	1462	1401	95.8	1345	92.0
Health Board Total	5208	4985	95.7	4801	92.2	4604	88.4	4612	88.6	2525	2423	96.0	2344	92.8	72	2.9	2682	2561	95.5	2456	91.6
Hywel Dda University HB																					
Carmarthenshire LA	2118	1981	93.5	1929	91.1	1394	65.8	1398	66.0	1011	955	94.5	928	91.8	828	81.9	1107	1026	92.7	1001	90.4
Ceredigion LA	608	580	95.4	563	92.6	474	78.0	472	77.6	301	287	95.3	279	92.7	247	82.1	307	293	95.4	284	92.5
Pembrokeshire LA	1368	1285	93.9	1227	89.7	812	59.4	807	59.0	614	583	95.0	560	91.2	281	45.8	754	702	93.1	667	88.5
Health Board Total	4094	3846	93.9	3719	90.8	2680	65.5	2677	65.4	1926	1825	94.8	1767	91.7	1356	70.4	2168	2021	93.2	1952	90.0
Powys Teaching HB																					
Health Board Total	1356	1257	92.7	1197	88.3	1102	81.3	1110	81.9	686	636	92.7	604	88.0	44	6.4	670	621	92.7	593	88.5
Swansea Bay University HB																					
Neath Port Talbot LA	1622	1567	96.6	1517	93.5	1337	82.4	1343	82.8	802	782	97.5	757	94.4	709	88.4	820	785	95.7	760	92.7
Swansea LA	2611	2492	95.4	2387	91.4	2023	77.5	2037	78.0	1228	1168	95.1	1125	91.6	1101	89.7	1383	1324	95.7	1262	91.3
Health Board Total	4233	4059	95.9	3904	92.2	3360	79.4	3380	79.8	2030	1950	96.1	1882	92.7	1810	89.2	2203	2109	95.7	2022	91.8
Unknown	78	74	94.9	72	92.3	60	76.9	59	75.6	32	31	96.9	31	96.9	19	59.4	46	43	93.5	41	89.1
Wales Total	35324	33649	95.3	32374	91.6	27280	77.2	27327	77.4	17154	16388	95.5	15783	92.0	9699	56.5	18167	17259	95.0	16589	91.3

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

Table 10. Vaccine uptake in children reaching their 16th birthday between 01/09/2020 and 31/08/2021 and resident on 31/03/2021 (with breakdown of MMR1 and MMR2 coverage by sex).

Area						_	e 3 in 1			Resident	MN			IR2	HP		Resident	MM			MR2
1-1-1	children	MN		MM		boos		Men/	ACWY	girls	(gi		(gi	ris)	dos		boys	(bo		(bo	oys)
Aneurin Bevan University HB	(n)	(n)	(%)	(n)	(%)	(n)	(%)	(n)	(%)	(n)	(n)	(%)	(n)	(%)	(n)	(%)	(n)	(n)	(%)	(n)	(%
Blaenau Gwent LA	689	669	97.1	653	94.8	606	88.0	605	87.8	342	332	97.1	324	94.7	293	85.7	347	337	97.1	329	94
Caerphilly LA	2076	2023	97.4	1971	94.9	1801	86.8	1806	87.0	1014	993	97.9	970	95.7	881	86.9	1062	1030	97.0	1001	94.
Monmouthshire LA	1102	1035	93.9	1006	91.3	878	79.7	883	80.1	528	496	93.9	482	91.3	389	73.7	574	539	93.9	524	91.
Newport LA	1914	1823	95.2	1753	91.6	1577	82.4	1585	82.8	955	910	95.3	880	92.1	756	79.2	956	911	95.3	873	91.
Torfaen LA	1122	1092	97.3	1066	95.0	983	87.6	969	86.4	548	532	97.1	524	95.6	457	83.4	574	560	97.6	542	94.
Health Board Total	6903	6642	96.2	6449	93.4	5845	84.7	5848	84.7	3387	3263	96.3	3180	93.9	2776	82.0	3513	3377	96.1	3269	93.
Betsi Cadwaladr University HB																					
Anglesey LA	711	668	94.0	648	91.1	600	84.4	594	83.5	344	325	94.5	315	91.6	288	83.7	367	343	93.5	333	90.
Conwy LA	1172	1111	94.8	1079	92.1	1039	88.7	1047	89.3	535	510	95.3	497	92.9	463	86.5	637	601	94.3	582	91.
Denbighshire LA	1109	1037	93.5	999	90.1	913	82.3	923	83.2	533	500	93.8	482	90.4	442	82.9	576	537	93.2	517	89.
Flintshire LA	1649	1563	94.8	1513	91.8	1374	83.3	1376	83.4	814	774	95.1	750	92.1	661	81.2	835	789	94.5	763	91.
Gwynedd LA	1260	1220	96.8	1189	94.4	1108	87.9	1107	87.9	634	620	97.8	601	94.8	554	87.4	626	600	95.8	588	93.
Wrexham LA	1504	1456	96.8	1413	93.9	1251	83.2	1257	83.6	739	715	96.8	688	93.1	620	83.9	765	741	96.9	725	94.
Health Board Total	7405	7055	95.3	6841	92.4	6285	84.9	6304	85.1	3599	3444	95.7	3333	92.6	3028	84.1	3806	3611	94.9	3508	92.
Cardiff and Vale University HB																					
Cardiff LA	4031	3763	93.4	3557	88.2	3105	77.0	3099	76.9	1998	1877	93.9	1784	89.3	1638	82.0	2032	1886	92.8	1773	87.
Vale of Glamorgan LA	1518	1449	95.5	1383	91.1	1251	82.4	1251	82.4	764	724	94.8	690	90.3	664	86.9	753	725	96.3	693	92.
Health Board Total	5549	5212	93.9	4940	89.0	4356	78.5	4350	78.4	2762	2601	94.2	2474	89.6	2302	83.3	2785	2611	93.8	2466	88.
Cwm Taf Morgannwg University HB																					
Bridgend LA	1693	1621	95.7	1552	91.7	1543	91.1	1549	91.5	793	763	96.2	737	92.9	677	85.4	900	858	95.3	815	90.
Merthyr Tydfil LA	711	681	95.8	651	91.6	637	89.6	640	90.0	355	339	95.5	324	91.3	306	86.2	356	342	96.1	327	91.
Rhondda Cynon Taf LA	2879	2763	96.0	2652	92.1	2649	92.0	2642	91.8	1402	1350	96.3	1302	92.9	1234	88.0	1476	1413	95.7	1350	91.
Health Board Total	5283	5065	95.9	4855	91.9	4829	91.4	4831	91.4	2550	2452	96.2	2363	92.7	2217	86.9	2732	2613	95.6	2492	91.
lywel Dda University HB																					
Carmarthenshire LA	2018	1920	95.1	1873	92.8	1789	88.7	1786	88.5	979	939	95.9	912	93.2	863	88.2	1039	981	94.4	961	92.
Ceredigion LA	660	627	95.0	603	91.4	582	88.2	580	87.9	298	280	94.0	268	89.9	254	85.2	362	347	95.9	335	92.
Pembrokeshire LA	1261	1208	95.8	1146	90.9	1067	84.6	1058	83.9	620	596	96.1	561	90.5	506	81.6	641	612	95.5	585	91.
Health Board Total	3939	3755	95.3	3622	92.0	3438	87.3	3424	86.9	1897	1815	95.7	1741	91.8	1623	85.6	2042	1940	95.0	1881	92.
Powys Teaching HB																					
Health Board Total	1406	1310	93.2	1249	88.8	1230	87.5	1238	88.1	677	638	94.2	615	90.8	527	77.8	729	672	92.2	634	87.
Swansea Bay University HB																					
Neath Port Talbot LA	1661	1584	95.4	1502	90.4	1529	92.1	1536	92.5	828	787	95.0	754	91.1	754	91.1	833	797	95.7	748	89
Swansea LA	2552	2393	93.8	2291	89.8	2329	91.3	2344	91.8	1185	1112	93.8	1061	89.5	1052	88.8	1367	1281	93.7	1230	90.
Health Board Total	4213	3977	94.4	3793	90.0	3858	91.6	3880	92.1	2013	1899	94.3	1815	90.2	1806	89.7	2200	2078	94.5	1978	89
Jnknown	93	86	92.5	84	90.3	78	83.9	76	81.7	45	41	91.1	40	88.9	38	84.4	48	45	93.8	44	91
Vales Total	34791	33102	95.1	31833	91.5	29919	86.0	29951	86.1	16930	16153	95.4	15561	91.9	14317	84.6	17855	16947	94.9	16272	91

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

Table 11. Uptake of hepatitis B immunisation in children born to hepatitis B positive mothers reaching their 1st, 2nd and 5th birthdays during 01/04/2020 and 31/03/2021 and resident on 31/03/2021.¹

			1yr					2yrs						5yrs			
	Resident	Babies at risk	1 dose	2 doses	3 doses	Resident	Babies at risk	1 dose	2 doses	3 doses	4 doses	Resident	Babies at risk	1 dose	2 dose	3 doses	4 doses
Area	children	of perinatal				children	of perinatal					children	of perinatal				
		infection					infection				_		infection				
	(n)	(n)	(%)	(%)	(%)	(n)	(n)	(%)	(%)	(%)	(%)	(n)	(n)	(%)	(%)	(%)	(%)
Aneurin Bevan	6106	13	100.0	100.0	100.0	6263	11	100.0	100.0	100.0	36.4	7023	7	100.0	100.0	85.7	28.6
Betsi Cadwalladr University	6331	5	100.0	100.0	100.0	6506	6	100.0	100.0	100.0	100.0	7249	6	100.0	100.0	100.0	100.0
Cardiff and Vale University	4963	17	100.0	100.0	94.1	5220	20	100.0	100.0	100.0	55.0	5918	25	100.0	100.0	100.0	84.0
Cwm Taf Morgannwg	4363	1	100.0	100.0	100.0	4764	2	100.0	100.0	100.0	100.0	5144	6	100.0	100.0	100.0	66.7
Hywel Dda	3246	0	0.0	0.0	0.0	3429	1	100.0	100.0	100.0	0.0	3908	1	100.0	100.0	100.0	100.0
Powys Teaching	1030	0	0.0	0.0	0.0	1130	1	100.0	100.0	100.0	100.0	1245	1	100.0	100.0	100.0	100.0
Swansea Bay University	3491	5	100.0	100.0	100.0	3727	6	100.0	100.0	100.0	100.0	4147	6	100.0	100.0	100.0	83.3
Unknown	44	0	0.0	0.0	0.0	63	0	0.0	0.0	0.0	0.0	35	0	0.0	0.0	0.0	0.0
Wales	29574	42	100.0	97.6	95.2	31102	48	100.0	100.0	100.0	64.6	34669	53	100.0	100.0	98.1	77.4

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.

Links

Public Health Wales Vaccination and Immunisation intranet (NHS Wales only): http://howis.wales.nhs.uk/sites3/home.cfm?orgid=474

Public Health Wales Health Protection internet: https://phw.nhs.wales/services-and-teams/health-protection/

Report Team

Report prepared by Public Health Wales Vaccine Preventable Disease Programme (VPDP) and Communicable Disease Surveillance Centre (CDSC), in collaboration with NHS Wales Informatics Service Community Applications Team.

Jessica Beer Public Health Wales VPDP/ CDSC Public Health Wales VPDP/ CDSC Harvey Carman Charlotte McDermott Public Health Wales VPDP/ CDSC Public Health Wales VPDP/ CDSC Craig Hogg Jana Zitha Public Health Wales VPDP/ CDSC Richard Lewis Public Health Wales VPDP/ CDSC Public Health Wales VPDP/ CDSC Caroline Harris Public Health Wales VPDP/ CDSC Malorie Perry Simon Cottrell Public Health Wales VPDP/ CDSC

Public Health Wales VPDP Richard Roberts

Comment and queries relating to this report should be addressed to Public Health Wales VPDP:

Tel: 029 2010 4484

Email: surveillance.requests@wales.nhs.uk

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