Vaccine Uptake in Children in Wales COVER Annual Report 2022

GIG CYMRU Cymru Public Health Wales

Data for the year ending 31st March 2022

Key points

- In 2021/22 uptake of the '6 in 1' (DTaP/IPV/Hib/HepB) and pneumococcal conjugate vaccinations in one year old children in Wales was 95.2% and 96.6% respectively.
- MenB vaccine uptake was 94.8% for two doses, and uptake of two doses of rotavirus vaccine was 93.2% at one year.
- MMR uptake was 94.2% for the first dose at two years.
- MenB uptake was 93.8% for the complete course at two years, this is the fourth full cohort of eligible children reported on at two years of age.
- By their fourth birthday, 87.0% of children were up to date with recommended immunisations.
- MMR dose two uptake in children at five years of age was 90.6%, and uptake of the pre-school '4 in 1' (DTaP/IPV) booster in this age-group was 91.2%.
- Human Papillomavirus (HPV) vaccine uptake in children turning 14 years of age during the 2021/22 school year (School Year 9) was 78.9% for the first dose. Uptake of the complete two-dose course in children turning 15 years of age (School Year 10) was 55.1%.
- MMR uptake, for a full two-dose course, was 92.2% and 91.3% for teenagers turning 15 and 16 years of age respectively during the 2021/22 school year.
- MenACWY vaccine uptake in teenagers turning 15 and 16 years of age during the 2021/22 school year was 81.0% and 82.7%.

Background

These annual results for 2021/22 are for one year cohorts of children living in Wales as at 31/03/2022 and reaching their first, second, fourth and fifth birthdays between 01/04/2021 and 31/03/2022. 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 2019). 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 95.2%, compared to 95.6% in the previous year. Uptake ranged by health board (HB) from 92.9% (Cardiff and Vale) to 97.2% (Cwm Taf Morgannwg) and by local authority (LA) from 92.4% (Cardiff) to 97.8% (Bridgend). Thirteen of the 22 LAs achieved the 95% target (Figures 1, 2, 5, 7 and Tables 2, 3).
- 2. Uptake of pneumococcal conjugate vaccination (PCV) in children reaching their first birthday was 96.6%, ranging by HB from 95.0% (Cardiff and Vale) to 98.1% (Cwm Taf Morgannwg) and by LA from 94.6% (Cardiff) to 98.4% (Bridgend) (Figures 1, 2 and Tables 2, 3). This is the first full annual cohort of children to be on the new one dose primary PCV course [1].
- 3. Rotavirus vaccine uptake of two doses in children reaching their first birthday remained stable compared to the previous year at 93.2%. Uptake ranged by HB from 90.0% (Cardiff & Vale) to 96.1% (Cwm Taf Morgannwg) and by LA from 89.4% (Cardiff) to 96.6% (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 94.8%, ranging by HB from 91.7% (Cardiff and Vale) to 97.2% (Cwm Taf Morgannwg) and by LA from 91.3% (Cardiff) to 97.9% (Bridgend) (Table 3).
- **5.** MMR uptake of one dose by two years of age remained stable at 94.2%, compared to 94.8% in the previous year. Uptake ranged by HB from 91.8% (Cardiff and Vale) to 96.3% (Cwm Taf Morgannwg) and by LA from 91.1% (Cardiff) to 96.9% (Bridgend). One HB achieved the target uptake of 95%, and 9 out of 22 LAs exceeded the 95% target (Figures 1, 5, 8 and Tables 2, 4).
- **6.** Pneumococcal Conjugate Vaccine (PCVf) uptake of the final dose by two years of age was 94.1%. Uptake by HB ranged from 91.6% (Cardiff and Vale) to 96.2% (Cwm Taf Morgannwg) and by LA from 90.7% (Cardiff) to 97.0% (Bridgend) (Figure 2 and Tables 2, 4).
- 7. Hib/MenC booster uptake by two years of age was 93.7%, ranging by HB from 91.1% (Cardiff and Vale) to 95.7% (Cwm Taf Morgannwg) and by LA from 90.3% (Cardiff) to 96.8% (Anglesey) (Figures 1, 2 and Tables 2, 4).
- **8.** MenB vaccine uptake of a complete course in children at two years of age was 93.8%, ranging by HB from 90.7% (Cardiff and Vale) to 96.0% (Cwm Taf Morgannwg), and by LA from 89.8% (Cardiff) to 96.8% (Anglesey).
- **9.** Hib/MenC booster coverage in children by their fourth birthday was 94.8% and ranged by HB from 93.4% (Cardiff and Vale) to 95.9% (Cwm Taf Morgannwg) (Table 5).
- **10.** '4 in 1' DTaP/IPV 'pre-school booster' uptake in children by four years of age was 88.2%, this ranged by HB from 86.0% (Cardiff and Vale) to 91.0% (Powys) (Table 5).
- **11.** MMR vaccine uptake of a complete two dose course in children by four years of age was 88.0%, this ranged by HB from 85.7% (Cardiff and Vale) to 90.3% (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 87.0%. This ranged by HB from 84.2% (Cardiff and Vale) to 89.2% (Powys) and by LA from 82% (Newport) to 93.1% (Anglesey) (Figure 4 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 they resided. Nationally, the percentage of children up to date with their routine immunisations by four years of age ranged from 82.1% in the most deprived quintile of LSOAs to 90.6% in the least deprived quintile of LSOAs. The difference in uptake between

¹ DTaP/IPV/Hib/HepB vaccine protects against diphtheria, tetanus, pertussis (Whooping Cough), polio, Hib and Hepatitis B infection.

- the least deprived quintile and the most deprived quintile was 8.5 percentage points (Figures 11, 12 and Table 6).
- **14.** MMR uptake of two doses in children at five years of age was 90.6%, ranging by HB from 88.3% (Cardiff and Vale) to 93.0% (Betsi Cadwaladr). Coverage of one dose of MMR in children at five years of age was 95.9% and ranged by HB from 93.5% (Powys) to 97.1% (Cwm Taf Morgannwg) (Figures 1, 2, 6, 9 and Tables 2, 7).
- **15.** '4 in 1' DTaP/IPV 'pre-school booster' uptake in children reaching their fifth birthday this year was 91.2% (Figures 2, 6, 10 and Tables 2, 7).
- **16.** HPV vaccine uptake in the full 2021/22 School Year 9 group (reaching their 14th birthday between 01/09/21 and 31/08/22) was 78.9%. This is an increase compared to the previous years' cohort, where uptake was 67.4%. Uptake ranged by HB from 73.8% (Betsi Cadwaladr) to 91.1% (Swansea Bay) and by LA from 61.0% (Denbighshire) to 91.5% (Neath Port Talbot). Coverage of two doses of HPV vaccine in girls in the 2021/22 School Year 10 is currently 55.1%, this is a slight decrease compared to the previous school year cohort at the same point last year, where uptake was 56.5% (Figure 13 and Table 8).
- 17. MMR coverage of two doses in teenagers turning 15 years of age between 01/09/21 and 31/08/22 was 92.2%, ranging by HB from 89.7% (Hywel Dda) to 93.7% (Cwm Taf Morgannwg) and by LA from 87.9% (Pembrokeshire) to 95.2% (Torfaen). Coverage of one dose of MMR in 15 year olds was 95.6%, ranging by LA from 93.0% (Pembrokeshire) to 98.2% (Torfaen). A breakdown by sex indicates that 92.5% of girls had received a full (two MMR doses) course of immunisation against rubella and coverage of one dose was 95.8% (Figure 13 and Table 9).
- **18.** Td/IPV 'teenage booster' uptake in teenagers reaching 15 years of age between 01/09/21 and 31/08/22 was 80.9%. Uptake ranged by HB from 74.5% (Aneurin Bevan) to 89.0% (Swansea Bay) and by LA from 68.1% (Blaenau Gwent) to 89.7% (Swansea) (Figure 13 and Table 9).
- **19.** Coverage of MenACWY vaccine in the 2021/22 School Year 10 group is currently 81.0%. Coverage in the 2021/22 School Year 11 group is currently 82.7% (Figure 13, Table 9 and 10).
- 20. MMR coverage of two doses in teenagers turning 16 years of age during the 2021/22 school year was 91.3%, ranging by HB from 87.1% (Powys) to 92.9% (Betsi Cadwaladr) and by LA from 87.1% (Powys) to 94.8% (Caerphilly). Coverage of one dose of MMR in 16 year olds was 94.9%, ranging by LA from 91.6% (Powys) to 97.7% (Caerphilly). A breakdown by sex indicates that 91.8% of girls had received a full (two MMR doses) course of immunisation against rubella and coverage of one dose was 95.3% (Table 10).
- **21.** Td/IPV 'teenage booster' uptake in teenagers reaching 16 years during the 2021/22 school year was 82.5%. Uptake ranged by HB from 77.3% (Hywel Dda) to 90.8% (Cwm Taf Morgannwg) and by LA from 61.3% (Pembrokeshire) to 91.1% (Rhondda Cynon Taf) (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 2022 was 96.9%. Uptake of four doses in children who were at risk of perinatal infection and reached their second birthday in the year ending 31st March 2022 was 74.4%. Uptake of four doses in children who were at risk of perinatal infection and reached their fifth birthday in the year ending 31st March 2022 was 65.9%.

Comment

The majority of children in this report for the April 2021 to March 2022 year would have been due their immunisations during the COVID-19 pandemic. Although coverage for younger children who receive their immunisations in general practice remains positive, there has been a slight decreasing trend over the previous four quarters [2].

For the annual cohort of one year olds, uptake of the '6 in 1' and pneumococcal conjugate vaccines remained above 95%, although uptake continues to vary between health board areas.

Uptake of two doses of Men B vaccine at one year of age was slightly below 95% at 94.8%; with uptake of a complete three-dose course in two year olds slightly lower (93.8%). 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 2022) 93.9% and uptake in the first quarterly cohort (Apr to Jun 2021) 94.8% [2].

The proportion of children who were up to date with their routine immunisations by four years of age decreased slightly this year to 87.0%, from 87.6%. Of all the immunisations that are included in this composite measure, uptake of the second dose of MMR remains the lowest (88.0%), followed by the '4 in 1' preschool booster (88.2%) then Hib/MenC booster (94.8%).

The reported inequality gap in immunisation coverage between four year olds residing in the most and least deprived areas remained stable compared to 2020/21, at 8.5 percentage points. Coverage has decreased across most quintiles, with the exception of the second least deprived quintile where coverage increased slightly. Further work is needed to identify the root cause of these inequalities and identify interventions to reduce this gap in addition to existing enhanced primary care nursing services including Flying Start.

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 were planned. There were no school closures during the 2021/22 school year, but for part of the academic year there was still a requirement to self-isolate following a positive COVID-19 test, which could have disrupted immunisation sessions for some schools. The 2021/22 School Year 9 cohort was the second to include boys as part of the HPV vaccination programme, uptake of one dose in these children is currently 78.9% (82.1% for girls and 75.9% for boys) [3]. Of all the vaccinations given to teenagers, HPV uptake continues to be the most impacted by school closures during the COVID-19 pandemic period.

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 now travel has resumed and there is a need to monitor vaccination uptake more closely and ensure catch up in areas that may be at risk of outbreaks.

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

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

[2] Public Health Wales Health Protection Division. Vaccine uptake in Children in Wales, January to March 2022: COVER report 142, June 2022. Cardiff, Public Health Wales. https://phw.nhs.wales/topics/immunisation-and-vaccines/cover-national-childhood-immunisation-uptake-data/

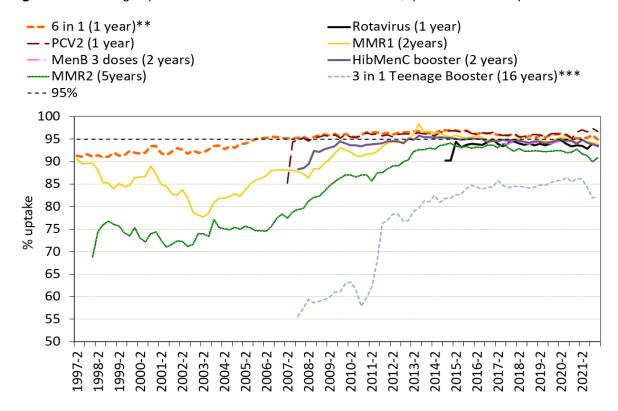
[3] Welsh Health Circular- Changes to the HPV immunisation programme from the academic school year starting September 2019. Available from:

http://www.gpone.wales.nhs.uk/sitesplus/documents/1000/WHC%202019%20020%20%27Changes%20to%20the%20Human%20Papillomavirus%20(HPV)%20Immunisation%20Programme%27%20-%20English.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 Children and Young Persons Integrated System (CYPrIS). 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

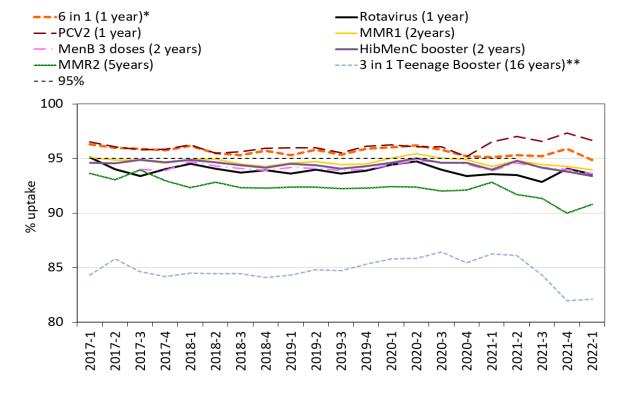
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Figure 1. Percentage uptake of childhood immunisations in Wales, quarter 2 1997 to quarter 1 2022*.



^{*}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 2017 to quarter 1 2022**



^{*} 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 3. Summary of uptake rates for selected immunisations in resident children reaching their 1st, 2nd and 5th birthday between 01/04/21 and 31/03/22 and resident on 31/03/22.

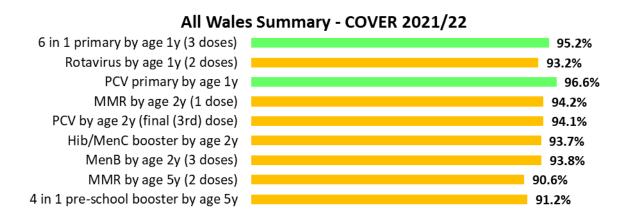


Figure 4. Percentage of resident children reaching their 4th birthday between 01/04/21 and 31/03/22 and are up to date with all scheduled vaccines² by Health Board.



Table 1. Percentage of resident children reaching their 4th birthday and are up to date with all scheduled vaccines by Health Board, annually 2017/18 to 2021/22.

Area	U	p to date ii	n schedule	•	
Alea	2017/18	2018/19	2019/20	2020/21	2021/22
Aneurin Bevan UHB	81.0	84.1	86.6	86.6	86.5
Betsi Cadwaladr UHB	87.9	89.7	90.3	90.1	88.5
Cardiff and Vale UHB	82.6	86.8	86.7	84.5	84.2
Cwm Taf Morgannwg UHB	88.2	87.9	88.6	90.1	88.8
Hywel Dda UHB	84.0	86.3	86.7	86.1	86.7
Powys Teaching HB	86.2	88.9	90.2	90.4	89.2
Swansea Bay UHB	86.2	88.0	87.6	87.0	86.9
Wales	84.9	87.2	88.0	87.6	87.0

 $^{^2}$ 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 01/04/2021 and 31/03/2022 and resident on 31/03/2022.

				Ac	ge 1 yea	г							Age	2 years	3				Age	e 4 years			Age	5 year	s	
Area	Resident									Resident							НіЫМ	1enC	Resident	Up to c	late in	Resident				
	children	6 in	ո 1¹	Me	nB²	P	CV	Rota	virus	children	MN	MR1	PCV	/f³	Me	nB	boo	ster	children	sched	lule⁴	children	MM	IR2	4 ii	n 1¹
Aneurin Bevan University HB	(n)	(n)	(%)	(n)	(%)	(n)	(%)	(n)	(%)	(n)	(n)	(%)	(n)	(%)	(n)	(%)	(n)	(%)	(n)	(n)	(%)	(n)	(n)	(%)	(n)	(%)
Blaenau Gwent LA	655	633	96.6	633	96.6	642	98.0	612	93.4	760	723	95.1	718	94.5	718	94.5	713	93.8	742	642	86.5	725	669	92.3	670	92.4
Caerphilly LA	1583	1533	96.8	1538	97.2	1549	97.9	1508	95.3	1786	1713	95.9	1713	95.9	1711	95.8	1704	95.4	2005	1813	90.4	1996	1844	92.4	1848	92.6
Monmouthshire LA	760	736	96.8	734	96.6	741	97.5	724	95.3	761	736	96.7	736	96.7	733	96.3	731	96.1	861	773	89.8	874	798	91.3	801	91.6
Newport LA	1830	1721	94.0	1712	93.6	1750	95.6	1677	91.6	1874	1739	92.8	1737	92.7	1730	92.3	1731	92.4	2060	1689	82.0	2095	1810	86.4	1832	87.4
Torfaen LA	929	875	94.2	884	95.2	891	95.9	859	92.5	973	916	94.1	920	94.6	919	94.5	911	93.6	1042	889	85.3	1072	993	92.6	1001	93.4
Health Board Total	5757	5498	95.5	5501	95.6	5573	96.8	5380	93.5	6154	5827	94.7	5824	94.6	5811	94.4	5790	94.1	6710	5806	86.5	6762	6114	90.4	6152	91.0
Betsi Cadwaladr University HB																										
Anglesey LA	583	568	97.4	568	97.4	571	97.9	559	95.9	564	543	96.3	544	96.5	546	96.8	546	96.8	691	643	93.1	739	700	94.7	705	95.4
Conwy LA	924	864	93.5	872	94.4	894	96.8	840	90.9	1022	960	93.9	957	93.6	955	93.4	954	93.3	1052	890	84.6	1081	992	91.8	997	92.2
Denbighshire LA	910	860	94.5	859	94.4	875	96.2	829	91.1	963	907	94.2	903	93.8	900	93.5	903	93.8	1002	872	87.0	1072	985	91.9	989	92.3
Flintshire LA	1402	1326	94.6	1327	94.7	1356	96.7	1300	92.7	1400	1331	95.1	1332	95.1	1328	94.9	1326	94.7	1624	1453	89.5	1670	1558	93.3	1574	94.3
Gwynedd LA	1004	950	94.6	941	93.7	966	96.2	925	92.1	1057	1003	94.9	1005	95.1	1002	94.8	1002	94.8	1139	1008	88.5	1177	1097	93.2	1105	93.9
Wrexham LA	1241	1184	95.4	1177	94.8	1204	97.0	1151	92.7	1348	1288	95.5	1289	95.6	1285	95.3	1287	95.5	1512	1344	88.9	1444	1348	93.4	1361	94.3
Health Board Total	6064	5752	94.9	5744	94.7	5866	96.7	5604	92.4	6354	6032	94.9	6030	94.9	6016	94.7	6018	94.7	7020	6210	88.5	7183	6680	93.0	6731	93.7
Cardiff and Vale University HB																										
Cardiff LA	3545	3277	92.4	3235	91.3	3353	94.6	3168	89.4	3737	3403	91.1	3390	90.7	3356	89.8	3375	90.3	4035	3336	82.7	4226	3700	87.6	3730	88.3
Vale of Glamorgan LA	1220	1149	94.2	1133	92.9	1172	96.1	1122	92.0	1271	1196	94.1	1195	94.0	1187	93.4	1188	93.5	1479	1309	88.5	1564	1411	90.2	1412	90.3
Health Board Total	4765	4426	92.9	4368	91.7	4525	95.0	4290	90.0	5008	4599	91.8	4585	91.6	4543	90.7	4563	91.1	5514	4645	84.2	5790	5111	88.3	5142	88.8
Cwm Taf Morgannwg University HB																										
Bridgend LA	1341	1311	97.8	1313	97.9	1320	98.4	1296	96.6	1354	1312	96.9	1313	97.0	1303	96.2	1297	95.8	1528	1380	90.3	1625	1495	92.0	1500	92.3
Merthyr Tydfil LA	605	585	96.7	584	96.5	590	97.5	584	96.5	619	588	95.0	583	94.2	582	94.0	583	94.2	735	636	86.5	712	657	92.3	657	92.3
Rhondda Cynon Taf LA	2283	2216	97.1	2212	96.9	2238	98.0	2182	95.6	2437	2345	96.2	2348	96.3	2347	96.3	2342	96.1	2596	2298	88.5	2678	2488	92.9	2498	93.3
Health Board Total	4229	4112	97.2	4109	97.2	4148	98.1	4062	96.1	4410	4245	96.3	4244	96.2	4232	96.0	4222	95.7	4859	4314	88.8	5015	4640	92.5	4655	92.8
Hywel Dda University HB																										
Carmarthenshire LA	1667	1586	95.1	1580	94.8	1610	96.6	1568	94.1	1718	1602	93.2	1604	93.4	1599	93.1	1600	93.1	1912	1650	86.3	1940	1727	89.0	1742	89.8
Ceredigion LA	517	500	96.7	497	96.1	501	96.9	496	95.9	537	504	93.9	500	93.1	500	93.1	500	93.1	594	526	88.6	615	551	89.6	550	89.4
Pembrokeshire LA	1002	945	94.3	945	94.3	962	96.0	927	92.5	1088	1001	92.0	1001	92.0	996	91.5	996	91.5	1206	1041	86.3	1266	1102	87.0	1105	87.3
Health Board Total	3186	3031	95.1	3022	94.9	3073	96.5	2991	93.9	3343	3107	92.9	3105	92.9	3095	92.6	3096	92.6	3712	3217	86.7	3821	3380	88.5	3397	88.9
Powys Teaching HB																										
Health Board Total	1052	1004	95.4	1004	95.4	1015	96.5	985	93.6	1059	1002	94.6	1007	95.1	1003	94.7	1000	94.4	1204	1074	89.2	1231	1120	91.0	1129	91.7
Swansea Bay University HB																										
Neath Port Talbot LA	1278	1234	96.6	1230	96.2	1253	98.0	1225	95.9	1279	1204	94.1	1206	94.3	1203	94.1	1198	93.7	1517	1327	87.5	1539	1388	90.2	1400	91.0
Swansea LA	2037	1942	95.3	1928	94.6	1960	96.2	1909	93.7	2240	2105	94.0	2099	93.7	2097	93.6	2096	93.6	2488	2152	86.5	2470	2217	89.8	2232	90.4
Health Board Total	3315	3176	95.8	3158	95.3	3213	96.9	3134	94.5	3519	3309	94.0	3305	93.9	3300	93.8	3294	93.6	4005	3479	86.9	4009	3605	89.9	3632	90.6
Unknown	90	85	94.4	85	94.4	84	93.3	84	93.3	83	76	91.6	76	91.6	75	93.8	76	91.6	67	47	70.1	53	42	79.2	44	83.0
Wales Total	28458	27085	95.2	26991	94.8	27497	96.6	26530	93.2	29930	28197	94.2	28176	94.1	28075	93.8	28059	93.7	33091	28792	87.0	33864	30692	90.6	30882	91.2

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 5. (a) Uptake of '6 in 1' vaccine in Welsh Local Authority areas in children reaching their 1st birthday between 01/04/21 and 31/03/22. **(b)** Uptake of at least 1 dose of MMR immunisation in Welsh Local Authority areas in children reaching their 2nd birthday between 01/04/21 and 31/03/22.

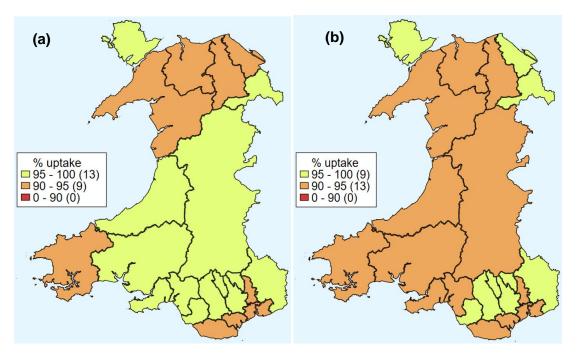


Figure 6. (a) Uptake of two doses of MMR vaccine in Welsh Local Authority areas in children reaching their 5th birthday between 01/04/21 and 31/03/22. **(b)** Uptake of '4 in 1' vaccine in Welsh Local Authority areas in children reaching their 5th birthday between 01/04/21 and 31/03/22.

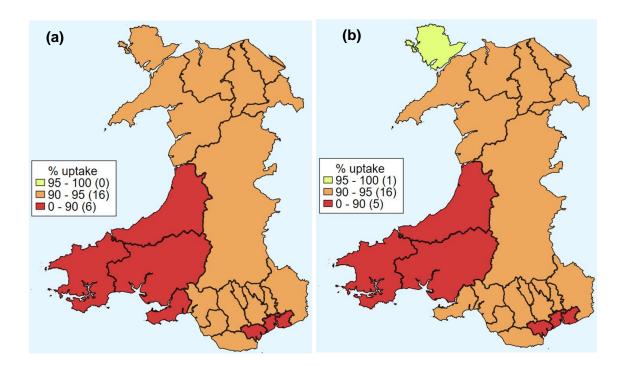
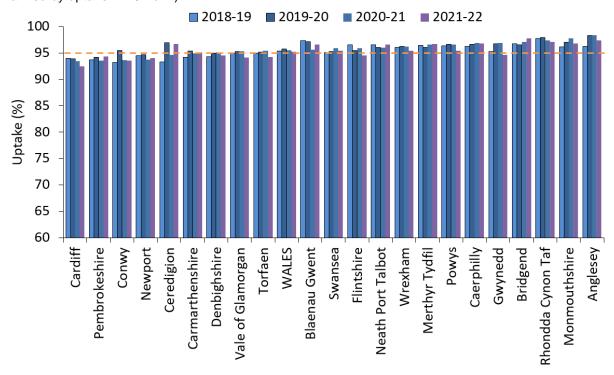


Figure 7. Annual uptake of '5 in 1' or '6 in 1' vaccine by 1 year of age (2018 – 2022 financial years, ranked by uptake in 2021/22).¹



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 8. Annual uptake of 1 dose of MMR by 2 years of age (2018 – 2022 financial years, ranked by uptake in 2021/22).

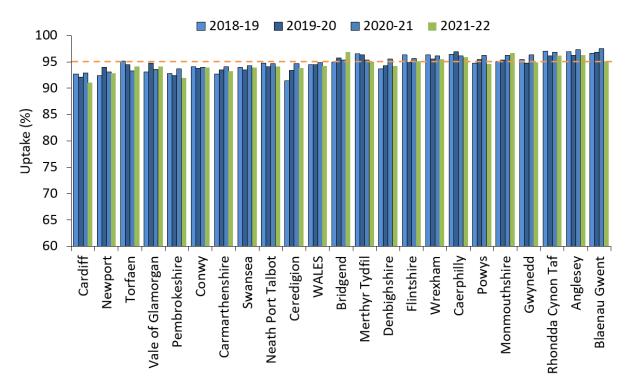


Figure 9. Annual uptake of 2 doses of MMR by 5 years of age (2018 – 2022 financial years, ranked by uptake in 2021/22).

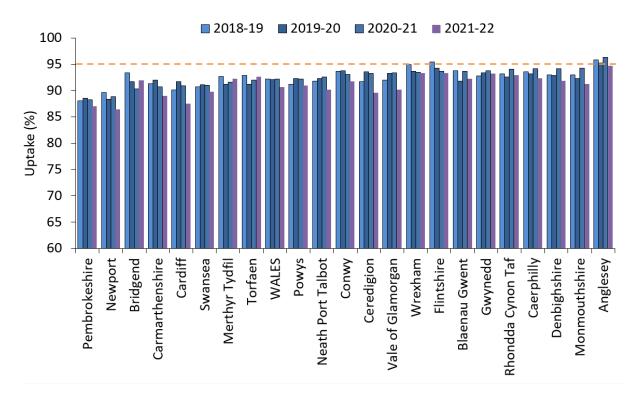


Figure 10. Annual uptake of the '4 in 1' pre-school booster by 5 years of age (2018 – 2022 financial years, ranked by uptake in 2021/22).

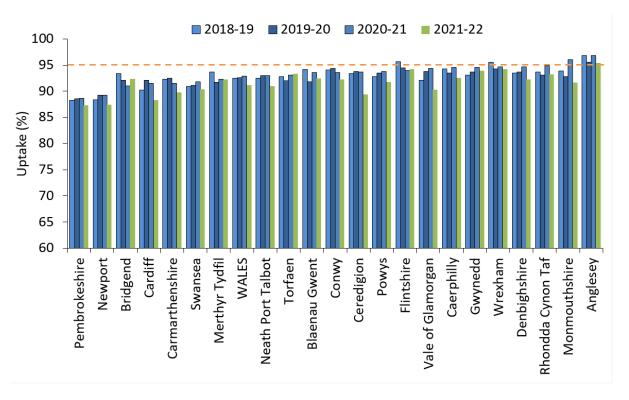
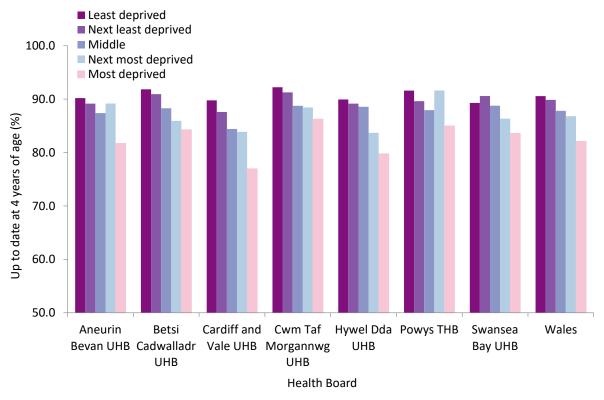
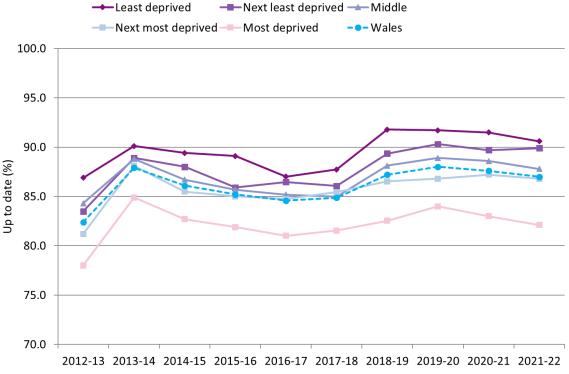


Figure 11. Percentage of children who are up to date with routine immunisations¹ by four years of age, by quintile of deprivation of the Lower Super Output Area in which they reside. Vaccine uptake is presented for children reaching their 4th birthday between 01/04/2021 and 31/03/2022 and resident on 31/03/2022.



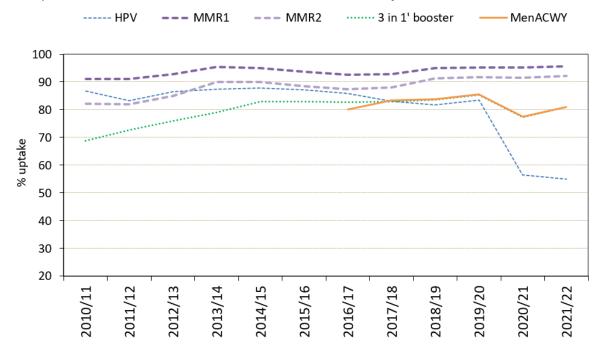
¹ Completed '4 in 1' pre-school booster, the Hib/MenC booster and second MMR dose by four years of age.

Figure 12. Percentage of children who are up to date with routine immunisations¹ by four years of age during 2012-2022 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 13. Percentage uptake of the '3 in 1' Td/IPV teenage booster1 vaccine in resident children and a complete course of HPV² vaccine, in School Year 10 academic years 2010/11 to 2021/22.³



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

²A 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. From 2021/22 a complete two-dose course in school year 10 girls and boys is presented.

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 01/04/2021 and 31/03/2022 and resident on 31/03/2022.

Area	Resident children	D	3	T	3	P	3	Po	3	Hil	o3	Hep	οВ	ММ	R1	Rota	/irus	PC	v	HibN	lenCb	Mer	nB ¹
Aneurin Bevan University HB	(n)	(n)	(%)	(n)	(%)	(n)	(%)	(n)	(%)	(n)	(%)	(n)	(%)	(n)	(%)	(n)	(%)	(n)	(%)	(n)	(%)	(n)	(%)
Blaenau Gwent LA	655	633	96.6	633	96.6	633	96.6	633	96.6	633	96.6	633	96.6	1	0.2	612	93.4	642	98.0	0	0.0	633	96.6
Caerphilly LA	1583	1533	96.8	1533	96.8	1533	96.8	1533	96.8	1533	96.8	1533	96.8	0	0.0	1508	95.3	1549	97.9	0	0.0	1538	97.2
Monmouthshire LA	760	736	96.8	736	96.8	736	96.8	736	96.8	736	96.8	734	96.6	4	0.5	724	95.3	741	97.5	1	0.1	734	96.6
Newport LA	1830	1721	94.0	1721	94	1721	94.0	1721	94.0	1721	94.0	1718	93.9	8	0.4	1677	91.6	1750	95.6	3	0.2	1712	93.6
Torfaen LA	929	875	94.2	875	94.2	875	94.2	875	94.2	875	94.2	875	94.2	1	0.1	859	92.5	891	95.9	1	0.1	884	95.2
Health Board Total	5757	5498	95.5	5498	95.5	5498	95.5	5498	95.5	5498	95.5	5493	95.4	14	0.2	5380	93.5	5573	96.8	5	0.1	5501	95.6
Betsi Cadwaladr University HB																							
Anglesey LA	583	568	97.4	568	97.4	568	97.4	568	97.4	568	97.4	568	97.4	4	0.7	559	95.9	571	97.9	3	0.5	568	97.4
Conwy LA	924	864	93.5	864	93.5	864	93.5	864	93.5	864	93.5	864	93.5	0	0.0	840	90.9	894	96.8	0	0.0	872	94.4
Denbighshire LA	910	860	94.5	860	94.5	860	94.5	860	94.5	860	94.5	859	94.4	1	0.1	829	91.1	875	96.2	1	0.1	859	94.4
Flintshire LA	1402	1326	94.6	1326	94.6	1326	94.6	1326	94.6	1326	94.6	1325	94.5	2	0.1	1300	92.7	1356	96.7	2	0.1	1327	94.7
Gwynedd LA	1004	950	94.6	950	94.6	950	94.6	950	94.6	950	94.6	949	94.5	2	0.2	925	92.1	966	96.2	0	0.0	941	93.7
Wrexham LA	1241	1184	95.4	1184	95.4	1184	95.4	1184	95.4	1184	95.4	1181	95.2	8	0.6	1151	92.7	1204	97.0	7	0.6	1177	94.8
Health Board Total	6064	5752	94.9	5752	94.9	5752	94.9	5752	94.9	5752	94.9	5746	94.8	17	0.3	5604	92.4	5866	96.7	13	0.2	5744	94.7
Cardiff and Vale University HB																							
Cardiff LA	3545	3277	92.4	3277	92.4	3277	92.4	3277	92.4	3277	92.4	3277	92.4	17	0.5	3168	89.4	3353	94.6	13	0.4	3235	91.3
Vale of Glamorgan LA	1220	1149	94.2	1149	94.2	1149	94.2	1149	94.2	1148	94.1	1147	94.0	8	0.7	1122	92.0	1172	96.1	8	0.7	1133	92.9
Health Board Total	4765	4426	92.9	4426	92.9	4426	92.9	4426	92.9	4425	92.9	4424	92.8	25	0.5	4290	90.0	4525	95.0	21	0.4	4368	91.7
Cwm Taf Morgannwg University HB																							
Bridgend LA	1341	1311	97.8	1311	97.8	1311	97.8	1311	97.8	1311	97.8	1311	97.8	7	0.5	1296	96.6	1320	98.4	5	0.4	1313	97.9
Merthyr Tydfil LA	605	585	96.7	585	96.7	585	96.7	585	96.7	585	96.7	586	96.9	0	0.0	584	96.5	590	97.5	0	0.0	584	96.5
Rhondda Cynon Taf LA	2283	2216	97.1	2216	97.1	2216	97.1	2216	97.1	2216	97.1	2215	97.0	4	0.2	2182	95.6	2238	98.0	2	0.1	2212	96.9
Health Board Total	4229	4112	97.2	4112	97.2	4112	97.2	4112	97.2	4112	97.2	4112	97.2	11	0.3	4062	96.1	4148	98.1	7	0.2	4109	97.2
Hywel Dda University HB																							
Carmarthenshire LA	1667	1586	95.1	1586	95.1	1586	95.1	1586	95.1	1585	95.1	1586	95.1	6	0.4	1568	94.1	1610	96.6	5	0.3	1580	94.8
Ceredigion LA	517	500	96.7	500	96.7	500	96.7	500	96.7	500	96.7	501	96.9	2	0.4	496	95.9	501	96.9	2	0.4	497	96.1
Pembrokeshire LA	1002	945	94.3	945	94.3	945	94.3	945	94.3	945	94.3	945	94.3	0	0.0	927	92.5	962	96.0	0	0.0	945	94.3
Health Board Total	3186	3031	95.1	3031	95.1	3031	95.1	3031	95.1	3030	95.1	3032	95.2	8	0.3	2991	93.9	3073	96.5	7	0.2	3022	94.9
Powys Teaching HB																							
Health Board Total	1052	1004	95.4	1004	95.4	1004	95.4	1004	95.4	1004	95.4	1004	95.4	4	0.4	985	93.6	1015	96.5	4	0.4	1004	95.4
Swansea Bay University HB																							
Neath Port Talbot LA	1278	1234	96.6	1234	96.6	1234	96.6	1234	96.6	1234	96.6	1234	96.6	1	0.1	1225	95.9	1253	98.0	1	0.1	1230	96.2
Swansea LA	2037	1943	95.4	1943	95.4	1942	95.3	1943	95.4	1941	95.3	1946	95.5	6	0.3	1909	93.7	1960	96.2	1	0.0	1928	94.6
Health Board Total	3315	3177	95.8	3177	95.8	3176	95.8	3177	95.8	3175	95.8	3180	95.9	7	0.2	3134	94.5	3213	96.9	2	0.1	3158	95.3
Unknown	90	85	94.4	85	94.4	85	94.4	85	94.4	85	94.4	85	80.0	0	0.0	84	93.3	84	93.3	0	0.0	85	94.4
Wales Total	28458	27085	95.2	27085	95.2	27084	95.2	27085	95.2	27081	95.2	27076	95 1	86	0.3	26530	93.2	27/07	96.6	50	0.2	26991	94.8
Intake of two doses of meningococcal serger										Z/ UO I	33.Z	21010	3 3.1	00	0.3	20000	33.Z	21431	30.0	วฮ	0.2	20331	34.0

¹Uptake 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 01/04/2021 and 31/03/2022 and resident on 31/03/2022.

Area	Resident	D	3	Т	3	Р	3	Po	3	Hi	b3	MN	IR1	Mei	nB ¹	PC	V2 ²	PC	Vf ³	HibM	enCb
	children														_		-	. •	••		
Aneurin Bevan University HB	(n)	(n)	(%)	(n)	(%)	(n)	(%)	(n)	(%)												
Blaenau Gwent LA	760	737	97.0	737	97.0	737	97.0	737	97.0	737	97.0	723	95.1	718	94.5	730	96.1	718	94.5	713	93.8
Caerphilly LA	1786	1743	97.6	1743	97.6	1743	97.6	1743	97.6	1743	97.6	1713	95.9	1711	95.8	1731	96.9	1713	95.9	1704	95.4
Monmouthshire LA	761	744	97.8	744	97.8	744	97.8	744	97.8	744	97.8	736	96.7	733	96.3	735	96.6	736	96.7	731	96.1
Newport LA	1874	1772	94.6	1772	94.6	1772	94.6	1772	94.6	1771	94.5	1739	92.8	1730	92.3	1756	93.7	1737	92.7	1731	92.4
Torfaen LA	973	930	95.6	930	95.6	930	95.6	930	95.6	930	95.6	916	94.1	919	94.5	930	95.6	920	94.6	911	93.6
Health Board Total	6154	5926	96.3	5926	96.3	5926	96.3	5926	96.3	5925	96.3	5827	94.7	5811	94.4	5882	95.6	5824	94.6	5790	94.1
Betsi Cadwaladr University HB																					
Anglesey LA	564	552	97.9	552	97.9	552	97.9	552	97.9	552	97.9	543	96.3	546	96.8	547	97.0	544	96.5	546	96.8
Conwy LA	1022	982	96.1	982	96.1	982	96.1	982	96.1	982	96.1	960	93.9	955	93.4	972	95.1	957	93.6	954	93.3
Denbighshire LA	963	929	96.5	929	96.5	929	96.5	929	96.5	929	96.5	907	94.2	900	93.5	914	94.9	903	93.8	903	93.8
Flintshire LA	1400	1359	97.1	1359	97.1	1359	97.1	1358	97.0	1358	97.0	1331	95.1	1328	94.9	1349	96.4	1332	95.1	1326	94.7
Gwynedd LA	1057	1021	96.6	1021	96.6	1021	96.6	1021	96.6	1021	96.6	1003	94.9	1002	94.8	1017	96.2	1005	95.1	1002	94.8
Wrexham LA	1348	1311	97.3	1311	97.3	1311	97.3	1311	97.3	1310	97.2	1288	95.5	1285	95.3	1301	96.5	1289	95.6	1287	95.5
Health Board Total	6354	6154	96.9	6154	96.9	6154	96.9	6153	96.8	6152	96.8	6032	94.9	6016	94.7	6100	96.0	6030	94.9	6018	94.7
Cardiff and Vale University HB																					
Cardiff LA	3737	3522	94.2	3522	94.2	3522	94.2	3523	94.3	3522	94.2	3403	91.1	3356	89.8	3474	93.0	3390	90.7	3375	90.3
Vale of Glamorgan LA	1271	1226	96.5	1226	96.5	1226	96.5	1226	96.5	1226	96.5	1196	94.1	1187	93.4	1209	95.1	1195	94.0	1188	93.5
Health Board Total	5008	4748	94.8	4748	94.8	4748	94.8	4749	94.8	4748	94.8	4599	91.8	4543	90.7	4683	93.5	4585	91.6	4563	91.1
Cwm Taf Morgannwg University HB																					
Bridgend LA	1354	1331	98.3	1331	98.3	1330	98.2	1331	98.3	1330	98.2	1312	96.9	1303	96.2	1315	97.1	1313	97.0	1297	95.8
Merthyr Tydfil LA	619	601	97.1	601	97.1	601	97.1	601	97.1	601	97.1	588	95.0	582	94.0	603	97.4	583	94.2	583	94.2
Rhondda Cynon Taf LA	2437	2388	98.0	2388	98.0	2388	98.0	2388	98.0	2388	98.0	2345	96.2	2347	96.3	2371	97.3	2348	96.3	2342	96.1
Health Board Total	4410	4320	98.0	4320	98.0	4319	97.9	4320	98.0	4319	97.9	4245	96.3	4232	96.0	4289	97.3	4244	96.2	4222	95.7
Hywel Dda University HB																					
Carmarthenshire LA	1718	1649	96.0	1649	96.0	1649	96.0	1649	96.0	1648	95.9	1602	93.2	1599	93.1	1627	94.7	1604	93.4	1600	93.1
Ceredigion LA	537	511	95.2	511	95.2	511	95.2	511	95.2	511	95.2	504	93.9	500	93.1	507	94.4	500	93.1	500	93.1
Pembrokeshire LA	1088	1027	94.4	1027	94.4	1027	94.4	1027	94.4	1027	94.4	1001	92.0	996	91.5	1015	93.3	1001	92.0	996	91.5
Health Board Total	3343	3187	95.3	3187	95.3	3187	95.3	3187	95.3	3186	95.3	3107	92.9	3095	92.6	3149	94.2	3105	92.9	3096	92.6
Powys Teaching HB																					
Health Board Total	1059	1024	96.7	1024	96.7	1024	96.7	1024	96.7	1024	96.7	1002	94.6	1003	94.7	1025	96.8	1007	95.1	1000	94.4
Swansea Bay University HB																					
Neath Port Talbot LA	1279	1233	96.4	1233	96.4	1233	96.4	1233	96.4	1233	96.4	1204	94.1	1203	94.1	1226	95.9	1206	94.3	1198	93.7
Swansea LA	2240	2151	96.0	2151	96.0	2151	96.0	2152	96.1	2150	96.0	2105	94.0	2097	93.6	2124	94.8	2099	93.7	2096	93.6
Health Board Total	3519	3384	96.2	3384	96.2	3384	96.2	3385	96.2	3383	96.1	3309	94.0	3300	93.8	3350	95.2	3305	93.9	3294	93.6
Unknown	83	78	94.0	78	94.0	78	94.0	78	94.0	78	94.0	76	91.6	75	93.8	78	94.0	76	91.6	76	91.6
Wales Total	29930	28821	96.3	28821	96.3	28820	96.3	28822	96.3	28815	96.3	28197	94.2	28075	93.8	28556	95.4	28176	94.1	28059	93.7

¹Uptake of three doses of MenB vaccine scheduled at 2, 4 and 12-13 months of age.
² Full primary 2-dose course of pneumococcal conjugate vaccine
³ Final (booster) dose of pneumococcal conjugate vaccine

Table 5. Vaccine uptake in children reaching their 4th birthday between 01/04/2021 and 31/03/2022 and resident on 31/03/2022.

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	742	649	87.5	709	95.6	648	87.3	642	86.5
Caerphilly LA	2005	1831	91.3	1945	97.0	1831	91.3	1813	90.4
Monmouthshire LA	861	788	91.5	820	95.2	787	91.4	773	89.8
Newport LA	2060	1733	84.1	1903	92.4	1727	83.8	1689	82.0
Torfaen LA	1042	900	86.4	995	95.5	894	85.8	889	85.3
Health Board Total	6710	5901	87.9	6372	95.0	5887	87.7	5806	86.5
Betsi Cadwaladr University HB									
Anglesey LA	691	645	93.3	671	97.1	646	93.5	643	93.1
Conwy LA	1052	900	85.6	994	94.5	900	85.6	890	84.6
Denbighshire LA	1002	880	87.8	954	95.2	878	87.6	872	87.0
Flintshire LA	1624	1470	90.5	1553	95.6	1460	89.9	1453	89.5
Gwynedd LA	1139	1025	90.0	1080	94.8	1018	89.4	1008	88.5
Wrexham LA	1512	1360	89.9	1445	95.6	1358	89.8	1344	88.9
Health Board Total	7020	6280	89.5	6697	95.4	6260	89.2	6210	88.5
Cardiff and Vale University HB									
Cardiff LA	4035	3410	84.5	3746	92.8	3400	84.3	3336	82.7
Vale of Glamorgan LA	1479	1330	89.9	1405	95.0	1325	89.6	1309	88.5
Health Board Total	5514	4740	86.0	5151	93.4	4725	85.7	4645	84.2
Cwm Taf Morgannwg University HB									
Bridgend LA	1528	1399	91.6	1459	95.5	1393	91.2	1380	90.3
Merthyr Tydfil LA	735	649	88.3	699	95.1	647	88.0	636	86.5
Rhondda Cynon Taf LA	2596	2322	89.4	2503	96.4	2313	89.1	2298	88.5
Health Board Total	4859	4370	89.9	4661	95.9	4353	89.6	4314	88.8
Hywel Dda University HB									
Carmarthenshire LA	1912	1664	87.0	1811	94.7	1662	86.9	1650	86.3
Ceredigion LA	594	533	89.7	559	94.1	533	89.7	526	88.6
Pembrokeshire LA	1206	1050	87.1	1123	93.1	1051	87.1	1041	86.3
Health Board Total	3712	3247	87.5	3493	94.1	3246	87.4	3217	86.7
Powys Teaching HB									
Health Board Total	1204	1096	91.0	1143	94.9	1087	90.3	1074	89.2
Swansea Bay University HB									
Neath Port Talbot LA	1517	1342	88.5	1457	96.0	1335	88.0	1327	87.5
Swansea LA	2488	2178	87.5	2332	93.7	2177	87.5	2152	86.5
Health Board Total	4005	3520	87.9	3789	94.6	3512	87.7	3479	86.9
Unknown	67	48	71.6	62	92.5	47	70.1	47	70.1
Wales Total	33091	29202	88.2	31368	94.8	29117	88.0	28792	87.0

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 01/04/2021 and 31/03/2022 and resident on 31/03/2022.

	Le	ast deprive	d	Next	least depri	ved		Middle		Next	most depri	ved	М	ost deprive	d
Health Board	Resident children	Up to da	te by 4y	Resident children	Up to da	ite 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	999	901	90.2	950	847	89.2	1236	1080	87.4	1302	1161	89.2	2223	1817	81.7
Betsi Cadwalladr University	1274	1170	91.8	1688	1535	90.9	1529	1350	88.3	1435	1233	85.9	1094	922	84.3
Cardiff and Vale University	1799	1615	89.8	677	593	87.6	693	585	84.4	682	572	83.9	1663	1280	77.0
Cwm Taf Morgannwg	707	652	92.2	641	585	91.3	640	568	88.8	1486	1314	88.4	1385	1195	86.3
Hywel Dda	149	134	89.9	1078	961	89.1	1225	1085	88.6	815	682	83.7	445	355	79.8
Powys Teaching	119	109	91.6	501	449	89.6	373	328	87.9	131	120	91.6	80	68	85.0
Swansea Bay University	821	733	89.3	478	433	90.6	525	466	88.8	864	746	86.3	1317	1101	83.6
Wales Total	5868	5314	90.6	6013	5403	89.9	6221	5462	87.8	6715	5828	86.8	8207	6738	82.1

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 01/04/2021 and 31/03/2022 and resident on 31/03/2022.

Area	Resident children	D	3	T	3	P	3	Po	3	Hib	3	PC	Vf ¹	HibMe	enCb	ММ	R1	MN	IR2	D	4	T	4	al	•	Po	04
Aneurin Bevan University HB	(n)	(n)	(%)	(n)	(%)	(n)	(%)	(n)	(%)	(n)	(%)	(n)	(%)	(n)	(%)	(n)	(%)	(n)	(%)	(n)	(%)	(n)	(%)	(n)	(%)	(n)	(%)
Blaenau Gwent LA	725	715	98.6	715	98.6	715	98.6	715	98.6	715	98.6	698	96.3	701	96.7	706	97.4	669	92.3	670	92.4	670	92.4	670	92.4	670	92.4
Caerphilly LA	1996	1959	98.1	1959	98.1	1959	98.1	1959	98.1	1959	98.1	1925	96.4	1928	96.6	1950	97.7	1844	92.4	1848	92.6	1848	92.6	1848	92.6	1848	92.6
Monmouthshire LA	874	823	94.2	823	94.2	823	94.2	823	94.2	823	94.2	812	92.9	816	93.4	830	95.0	798	91.3	801	91.6	801	91.6	801	91.6	801	91.6
Newport LA	2095	1967	93.9	1968	93.9	1967	93.9	1970	94.0	1968	93.9	1886	90.0	1900	90.7	1959	93.5	1810	86.4	1832	87.4	1832	87.4	1832	87.4	1832	87.4
Torfaen LA	1072	1048	97.8	1048	97.8	1048	97.8	1048	97.8	1048	97.8	1023	95.4	1021	95.2	1037	96.7	993	92.6	1001	93.4	1001	93.4	1001	93.4	1001	93.4
Health Board Total	6762	6512	96.3	6513	96.3	6512	96.3	6515	96.3	6513	96.3	6344	93.8	6366	94.1	6482	95.9	6114	90.4	6152	91.0	6152	91.0	6152	91.0	6152	91.0
Betsi Cadwaladr University HB																											
Anglesey LA	739	725	98.1	725	98.1	725	98.1	725	98.1	725	98.1	715	96.8	723	97.8	726	98.2	700	94.7	705	95.4	705	95.4	705	95.4	704	95.3
Conwy LA	1081	1048	96.9	1048	96.9	1048	96.9	1048	96.9	1045	96.7	1011	93.5	1035	95.7	1037	95.9	992	91.8	997	92.2	997	92.2	997	92.2	995	92.0
Denbighshire LA	1072	1026	95.7	1026	95.7	1026	95.7	1026	95.7	1026	95.7	1006	93.8	1015	94.7	1021	95.2	985	91.9	989	92.3	989	92.3	989	92.3	989	92.3
Flintshire LA	1670	1612	96.5	1612	96.5	1612	96.5	1612	96.5	1611	96.5	1591	95.3	1609	96.3	1621	97.1	1558	93.3	1574	94.3	1574	94.3	1574	94.3	1574	94.3
Gwynedd LA	1177	1137	96.6	1137	96.6	1137	96.6	1137	96.6	1137	96.6	1112	94.5	1128	95.8	1132	96.2	1097	93.2	1105	93.9	1105	93.9	1105	93.9	1105	93.9
Wrexham LA	1444	1410	97.6	1410	97.6	1410	97.6	1409	97.6	1410	97.6	1377	95.4	1388	96.1	1401	97.0	1348	93.4	1361	94.3	1361	94.3	1361	94.3	1361	94.3
Health Board Total	7183	6958	96.9	6958	96.9	6958	96.9	6957	96.9	6954	96.8	6812	94.8	6898	96.0	6938	96.6	6680	93.0	6731	93.7	6731	93.7	6731	93.7	6728	93.7
Cardiff and Vale University HB																											
Cardiff LA	4226	4034	95.5	4034	95.5	4034	95.5	4035	95.5	4036	95.5	3851	91.1	3913	92.6	4006	94.8	3700	87.6	3730	88.3	3730	88.3	3730	88.3	3731	88.3
Vale of Glamorgan LA	1564	1523	97.4	1523	97.4	1523	97.4	1522	97.3	1522	97.3	1454	93.0	1485	94.9	1501	96.0	1411	90.2	1412	90.3	1412	90.3	1412	90.3	1412	90.3
Health Board Total	5790	5557	96.0	5557	96.0	5557	96.0	5557	96.0	5558	96.0	5305	91.6	5398	93.2	5507	95.1	5111	88.3	5142	88.8	5142	88.8	5142	88.8	5143	88.8
Cwm Taf Morgannwg University HB																											
Bridgend LA	1625	1590	97.8	1590	97.8	1590	97.8	1591	97.9	1590	97.8	1560	96.0	1568	96.5	1574	96.9	1495	92.0	1500	92.3	1500	92.3	1500	92.3	1500	92.3
Merthyr Tydfil LA	712	690	96.9	690	96.9	690	96.9	689	96.8	690	96.9	680	95.5	676	94.9	685	96.2	657	92.3	657	92.3	657	92.3	657	92.3	657	92.3
Rhondda Cynon Taf LA	2678	2614	97.6	2614	97.6	2614	97.6	2614	97.6	2612	97.5	2588	96.6	2590	96.7	2610	97.5	2488	92.9	2498	93.3	2498	93.3	2498	93.3	2498	93.3
Health Board Total	5015	4894	97.6	4894	97.6	4894	97.6	4894	97.6	4892	97.5	4828	96.3	4834	96.4	4869	97.1	4640	92.5	4655	92.8	4655	92.8	4655	92.8	4655	92.8
Hywel Dda University HB																											
Carmarthenshire LA	1940	1868	96.3	1868	96.3	1868	96.3	1868	96.3	1867	96.2	1807	93.1	1835	94.6	1853	95.5	1727	89.0	1742	89.8	1742	89.8	1742	89.8	1742	89.8
Ceredigion LA	615	587	95.4	587	95.4	587	95.4	587	95.4	585	95.1	568	92.4	575	93.5	579	94.1	551	89.6	551	89.6	550	89.4	550	89.4	550	89.4
Pembrokeshire LA	1266	1208	95.4	1208	95.4	1208	95.4	1207	95.3	1207	95.3	1163	91.9	1177	93.0	1196	94.5	1102	87.0	1105	87.3	1105	87.3	1105	87.3	1104	87.2
Health Board Total	3821	3663	95.9	3663	95.9	3663	95.9	3662	95.8	3659	95.8	3538	92.6	3587	93.9	3628	94.9	3380	88.5	3398	88.9	3397	88.9	3397	88.9	3396	88.9
Powys Teaching HB																											
Health Board Total	1231	1165	94.6	1165	94.6	1165	94.6	1165	94.6	1165	94.6	1142	92.8	1146	93.1	1151	93.5	1120	91.0	1129	91.7	1129	91.7	1129	91.7	1129	91.7
Swansea Bay University HB																											
Neath Port Talbot LA	1539	1503	97.7	1503	97.7	1503	97.7	1503	97.7	1503	97.7	1468	95.4	1485	96.5	1490	96.8	1388	90.2	1400	91.0	1400	91.0	1400	91.0	1400	91.0
Swansea LA	2470	2358	95.5	2358	95.5	2358	95.5	2358	95.5	2353	95.3	2278	92.2	2320	93.9	2352	95.2	2217	89.8	2232	90.4	2232	90.4	2232	90.4	2230	90.3
Health Board Total	4009	3861	96.3	3861	96.3	3861	96.3	3861	96.3	3856	96.2	3746	93.4	3805	94.9	3842	95.8	3605	89.9	3632	90.6	3632	90.6	3632	90.6	3630	90.5
Unknown	53	48	90.6	48	90.6	48	90.6	48	90.6	48	90.6	44	83.0	47	88.7	48	90.6	42	79.2	44	83.0	44	83.0	44	83.0	44	83.0
Wales Total	33864	32658	96.4	32659	00.4	32658				32645		04=50		32081						30883		30882		30882		30877	91.2

¹ Final (booster) dose of pneumococcal conjugate vaccine

Table 8. HPV Vaccine uptake in children reaching their 14th, 15th and 16th birthdays between 01/09/2021 and 31/08/2022 and resident on 31/03/2022 (School Year 9, 10 and 11 during 2021/22). Uptake for those reaching 16 years of age is for girls only.

	14 years (202	1-22 Schoo	ol Year 9)	15 ye	ars (2021	-22 Sch	ool Year	10)	16 year	rs (2021-	22 Sch	ool Year	11)
Area	Resident Children	HPV	1 dose	Resident Children	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	841	632	75.1	727	399	54.9	167	23.0	416	363	87.3	318	76.4
Caerphilly LA	2280	1826	80.1	2096	1576	75.2	382	18.2	1030	925	89.8	757	73.5
Monmouthshire LA	1102	809	73.4	1087	821	75.5	227	20.9	528	429	81.3	371	70.3
Newport LA	2246	1558	69.4	2056	1394	67.8	639	31.1	969	799	82.5	580	59.9
Torfaen LA	1157	899	77.7	1133	860	75.9	212	18.7	551	486	88.2	358	65.0
Health Board Total	7626	5724	75.1	7099	5050	71.1	1627	22.9	3494	3002	85.9	2384	68.2
Betsi Cadwaladr University HB													
Anglesey LA	808	630	78.0	785	622	79.2	493	62.8	345	304	88.1	274	79.4
Conwy LA	1256	948	75.5	1217	880	72.3	609	50.0	593	529	89.2	419	70.7
Denbighshire LA	1186	723	61.0	1127	871	77.3	554	49.2	555	470	84.7	388	69.9
Flintshire LA	1833	1317	71.8	1816	1520	83.7	1334	73.5	818	719	87.9	656	80.2
Gwynedd LA	1310	1082	82.6	1294	1133	87.6	1098	84.9	674	621	92.1	607	90.1
Wrexham LA	1687	1261	74.7	1562	1289	82.5	1061	67.9	772	671	86.9	619	80.2
Health Board Total	8080	5961	73.8	7801	6315	81.0	5149	66.0	3757	3314	88.2	2963	78.9
Cardiff and Vale University HB													
Cardiff LA	4515	3348	74.2	4305	3440	79.9	1042	24.2	1995	1715	86.0	1448	72.6
Vale of Glamorgan LA	1698	1283	75.6	1625	1351	83.1	305	18.8	748	701	93.7	607	81.1
Health Board Total	6213	4631	74.5	5930	4791	80.8	1347	22.7	2743	2416	88.1	2055	74.9
Cwm Taf Morgannwg University HB													
Bridgend LA	1712	1465	85.6	1767	1554	87.9	1420	80.4	783	726	92.7	669	85.4
Merthyr Tydfil LA	775	649	83.7	717	585	81.6	531	74.1	326	291	89.3	277	85.0
Rhondda Cynon Taf LA	2939	2508	85.3	2857	2501	87.5	2266	79.3	1414	1315	93.0	1210	85.6
Health Board Total	5426	4622	85.2	5341	4640	86.9	4217	79.0	2523	2332	92.4	2156	85.5
Hywel Dda University HB													
Carmarthenshire LA	2293	1899	82.8	2166	1935	89.3	1718	79.3	1011	911	90.1	870	86.1
Ceredigion LA	647	539	83.3	678	597	88.1	569	83.9	300	266	88.7	261	87.0
Pembrokeshire LA	1371	1064	77.6	1349	1059	78.5	888	65.8	617	548	88.8	471	76.3
Health Board Total	4311	3502	81.2	4193	3591	85.6	3175	75.7	1928	1725	89.5	1602	83.1
Powys Teaching HB													
Health Board Total	1477	1167	79.0	1362	1152	84.6	504	37.0	682	589	86.4	539	79.0
Swansea Bay University HB													
Neath Port Talbot LA	1652	1511	91.5	1633	1525	93.4	1441	88.2	807	777	96.3	744	92.2
Swansea LA	2867	2605	90.9	2730	2522	92.4	2411	88.3	1245	1159	93.1	1133	91.0
Health Board Total	4519	4116	91.1	4363	4047	92.8	3852	88.3	2052	1936	94.3	1877	91.5
Unknown	73	48	65.8	49	36	73.5	27	55.1	36	33	91.7	31	86.1
Wales Total	37725	29771	78.9	36138	29622	82.0	19898	55.1	17215	15347	89.1	13607	79.0

Table 9. Vaccine uptake in children reaching their 15th birthday between 01/09/2021 and 31/08/2022 and resident on 31/03/2022 (with breakdown of MMR1 and MMR2 coverage by sex).

Area	Resident					Teenage	e 3 in 1			Resident	MN	IR1	MN	IR2	HP\	V 2	Resident	MN	IR1	MN	MR2
Area	children	MN	1R1	MN	/IR2	boos	ter ¹	MenA	CWY	girls	(gi	rls)	(gi	rls)	dos	es	boys	(bo	ys)	(bc	oys)
Aneurin Bevan University HB	(n)	(n)	(%)	(n)	(%)	(n)	(%)	(n)	(%)	(n)	(n)	(%)	(n)	(%)	(n)	(%)	(n)	(n)	(%)	(n)	(%)
Blaenau Gwent LA	727	704	96.8	684	94.1	495	68.1	510	70.2	391	376	96.2	365	93.4	167	23.0	336	328	97.6	319	94.9
Caerphilly LA	2096	2043	97.5	1988	94.8	1651	78.8	1655	79.0	1050	1030	98.1	1004	95.6	382	18.2	1046	1013	96.8	984	94.1
Monmouthshire LA	1087	1018	93.7	986	90.7	814	74.9	810	74.5	535	499	93.3	486	90.8	227	20.9	552	519	94.0	500	90.6
Newport LA	2056	1938	94.3	1858	90.4	1460	71.0	1453	70.7	994	941	94.7	906	91.1	639	31.1	1061	997	94.0	952	89.7
Torfaen LA	1133	1113	98.2	1079	95.2	869	76.7	873	77.1	545	537	98.5	522	95.8	212	18.7	588	576	98.0	557	94.7
Health Board Total	7099	6816	96.0	6595	92.9	5289	74.5	5301	74.7	3515	3383	96.2	3283	93.4	1627	22.9	3583	3433	95.8	3312	92.4
Betsi Cadwaladr University HB																					
Anglesey LA	785	758	96.6	737	93.9	616	78.5	613	78.1	369	357	96.7	347	94.0	493	62.8	416	401	96.4	390	93.8
Conwy LA	1217	1159	95.2	1131	92.9	899	73.9	907	74.5	598	572	95.7	566	94.6	609	50.0	619	587	94.8	565	91.3
Denbighshire LA	1127	1071	95.0	1049	93.1	846	75.1	850	75.4	540	516	95.6	503	93.1	554	49.2	586	555	94.7	546	93.2
Flintshire LA	1816	1725	95.0	1678	92.4	1531	84.3	1533	84.4	894	844	94.4	825	92.3	1334	73.5	922	881	95.6	853	92.5
Gwynedd LA	1294	1256	97.1	1222	94.4	1095	84.6	1097	84.8	637	616	96.7	602	94.5	1098	84.9	656	640	97.6	620	94.5
Wrexham LA	1562	1511	96.7	1473	94.3	1230	78.7	1227	78.6	737	719	97.6	699	94.8	1061	67.9	825	792	96.0	774	93.8
Health Board Total	7801	7480	95.9	7290	93.4	6217	79.7	6227	79.8	3775	3624	96.0	3542	93.8	5149	66.0	4024	3856	95.8	3748	93.1
Cardiff and Vale University HB																					
Cardiff LA	4305	4052	94.1	3850	89.4	3173	73.7	3171	73.7	2126	2008	94.4	1901	89.4	1042	24.2	2178	2043	93.8	1948	89.4
Vale of Glamorgan LA	1625	1563	96.2	1499	92.2	1292	79.5	1289	79.3	778	747	96.0	720	92.5	305	18.8	847	816	96.3	779	92.0
Health Board Total	5930	5615	94.7	5349	90.2	4465	75.3	4460	75.2	2904	2755	94.9	2621	90.3	1347	22.7	3025	2859	94.5	2727	90.1
Cwm Taf Morgannwg University HB																					
Bridgend LA	1767	1703	96.4	1622	91.8	1554	87.9	1561	88.3	859	831	96.7	794	92.4	1420	80.4	908	872	96.0	828	91.2
Merthyr Tydfil LA	717	689	96.1	667	93.0	604	84.2	602	84.0	326	314	96.3	301	92.3	531	74.1	391	375	95.9	366	93.6
Rhondda Cynon Taf LA	2857	2782	97.4	2717	95.1	2491	87.2	2489	87.1	1349	1312	97.3	1281	95.0	2266	79.3	1508	1470	97.5	1436	95.2
Health Board Total	5341	5174	96.9	5006	93.7	4649	87.0	4652	87.1	2534	2457	97.0	2376	93.8	4217	79.0	2807	2717	96.8	2630	93.7
Hywel Dda University HB																					
Carmarthenshire LA	2166	2030	93.7	1953	90.2	1844	85.1	1836	84.8	1064	998	93.8	961	90.3	1718	79.3	1102	1032	93.6	992	90.0
Ceredigion LA	678	642	94.7	623	91.9	596	87.9	596	87.9	337	318	94.4	308	91.4	569	83.9	341	324	95.0	315	92.4
Pembrokeshire LA	1349	1255	93.0	1186	87.9	1091	80.9	1085	80.4	666	629	94.4	597	89.6	888	65.8	683	626	91.7	589	86.2
Health Board Total	4193	3927	93.7	3762	89.7	3531	84.2	3517	83.9	2067	1945	94.1	1866	90.3	3175	75.7	2126	1982	93.2	1896	89.2
Powys Teaching HB																					
Health Board Total	1362	1285	94.3	1232	90.5	1171	86.0	1185	87.0	666	627	94.1	603	90.5	504	37.0	695	658	94.7	629	90.5
Swansea Bay University HB																					
Neath Port Talbot LA	1633	1596	97.7	1543	94.5	1433	87.8	1437	88.0	801	787	98.3	761	95.0	1441	88.2	832	809	97.2	782	94.0
Swansea LA	2730	2608	95.5	2517	92.2	2449	89.7	2452	89.8	1331	1277	95.9	1229	92.3	2411	88.3	1399	1331	95.1	1288	92.1
Health Board Total	4363	4204	96.4	4060	93.1	3882	89.0	3889	89.1	2132	2064	96.8	1990	93.3	3852	88.3	2231	2140	95.9	2070	92.8
Unknown	49	43	87.8	43	87.8	38	77.6	38	77.6	25	22	88.0	22	88.0	27	55.1	24	21	87.5	21	87.5
Wales Total	36138	34544	95.6	33337	92.2	29242	80.9	29269	81.0	17618	16877	95.8	16303	92.5	19898	55.1	18515	17666	95.4	17033	92.0

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

Table 10. Vaccine uptake in children reaching their 16th birthday between 01/09/2021 and 31/08/2022 and resident on 31/03/2022 (with breakdown of MMR1 and MMR2 coverage by sex).

Area	Resident					Teenag	e 3 in 1			Resident	MM	IR1	MN	IR2	HP	V 2	Resident	MM	R1	MN	/IR2
Area	children	MN	/IR1	MN	IR2	boos	ster ¹	MenA	CWY	girls	(gir	rls)	(gii	rls)	do	ses	boys	(bo	ys)	(bo	ys)
Aneurin Bevan University HB	(n)	(n)	(%)	(n)	(%)	(n)	(%)	(n)	(%)	(n)	(n)	(%)	(n)	(%)	(n)	(%)	(n)	(n)	(%)	(n)	(%)
Blaenau Gwent LA	782	760	97.2	740	94.6	655	83.8	658	84.1	416	410	98.6	400	96.2	318	76.4	366	350	95.6	340	92.9
Caerphilly LA	2140	2091	97.7	2029	94.8	1778	83.1	1778	83.1	1030	1017	98.7	986	95.7	757	73.5	1110	1074	96.8	1043	94.0
Monmouthshire LA	1106	1014	91.7	984	89.0	850	76.9	854	77.2	528	494	93.6	480	90.9	371	70.3	578	520	90.0	504	87.2
Newport LA	1929	1820	94.3	1733	89.8	1511	78.3	1510	78.3	969	920	94.9	881	90.9	580	59.9	959	900	93.8	852	88.8
Torfaen LA	1141	1102	96.6	1056	92.6	867	76.0	871	76.3	551	531	96.4	514	93.3	358	65.0	590	571	96.8	542	91.9
Health Board Total	7098	6787	95.6	6542	92.2	5661	79.8	5671	79.9	3494	3372	96.5	3261	93.3	2384	68.2	3603	3415	94.8	3281	91.1
Betsi Cadwaladr University HB																					
Anglesey LA	720	691	96.0	671	93.2	613	85.1	606	84.2	345	332	96.2	322	93.3	274	79.4	375	359	95.7	349	93.1
Conwy LA	1241	1168	94.1	1141	91.9	1048	84.4	1051	84.7	593	549	92.6	534	90.1	419	70.7	648	619	95.5	607	93.7
Denbighshire LA	1118	1066	95.3	1033	92.4	872	78.0	879	78.6	555	529	95.3	507	91.4	388	69.9	563	537	95.4	526	93.4
Flintshire LA	1692	1614	95.4	1553	91.8	1294	76.5	1299	76.8	818	781	95.5	751	91.8	656	80.2	874	833	95.3	802	91.8
Gwynedd LA	1348	1299	96.4	1271	94.3	1172	86.9	1169	86.7	674	655	97.2	639	94.8	607	90.1	674	644	95.5	632	93.8
Wrexham LA	1564	1508	96.4	1472	94.1	1216	77.7	1223	78.2	772	748	96.9	733	94.9	619	80.2	792	760	96.0	739	93.3
Health Board Total	7683	7346	95.6	7141	92.9	6215	80.9	6227	81.0	3757	3594	95.7	3486	92.8	2963	78.9	3926	3752	95.6	3655	93.1
Cardiff and Vale University HB																					
Cardiff LA	4162	3893	93.5	3652	87.7	3205	77.0	3205	77.0	1995	1862	93.3	1739	87.2	1448	72.6	2167	2031	93.7	1913	88.3
Vale of Glamorgan LA	1509	1442	95.6	1383	91.7	1282	85.0	1282	85.0	748	718	96.0	691	92.4	607	81.1	761	724	95.1	692	90.9
Health Board Total	5671	5335	94.1	5035	88.8	4487	79.1	4487	79.1	2743	2580	94.1	2430	88.6	2055	74.9	2928	2755	94.1	2605	89.0
Cwm Taf Morgannwg University HB																					
Bridgend LA	1623	1542	95.0	1473	90.8	1472	90.7	1476	90.9	783	747	95.4	717	91.6	669	85.4	839	794	94.6	755	90.0
Merthyr Tydfil LA	710	671	94.5	648	91.3	640	90.1	640	90.1	326	307	94.2	293	89.9	277	85.0	384	364	94.8	355	92.4
Rhondda Cynon Taf LA	2882	2771	96.1	2686	93.2	2625	91.1	2633	91.4	1414	1363	96.4	1327	93.8	1210	85.6	1467	1408	96.0	1359	92.6
Health Board Total	5215	4984	95.6	4807	92.2	4737	90.8	4749	91.1	2523	2417	95.8	2337	92.6	2156	85.5	2690	2566	95.4	2469	91.8
Hywel Dda University HB																					
Carmarthenshire LA	2121	1974	93.1	1919	90.5	1797	84.7	1802	85.0	1011	947	93.7	919	90.9	870	86.1	1110	1027	92.5	1000	90.1
Ceredigion LA	607	577	95.1	559	92.1	533	87.8	533	87.8	300	283	94.3	276	92.0	261	87.0	307	294	95.8	283	92.2
Pembrokeshire LA	1376	1295	94.1	1237	89.9	843	61.3	839	61.0	617	588	95.3	564	91.4	471	76.3	759	707	93.1	673	88.7
Health Board Total	4104	3846	93.7	3715	90.5	3173	77.3	3174	77.3	1928	1818	94.3	1759	91.2	1602	83.1	2176	2028	93.2	1956	89.9
Powys Teaching HB																					
Health Board Total	1373	1257	91.6	1196	87.1	1135	82.7	1149	83.7	682	626	91.8	594	87.1	539	79.0	690	631	91.4	602	87.2
Swansea Bay University HB																					
Neath Port Talbot LA	1637	1577	96.3	1525	93.2	1458	89.1	1462	89.3	807	785	97.3	760	94.2	744	92.2	830	792	95.4	765	92.2
Swansea LA	2640	2504	94.8	2398	90.8	2368	89.7	2382	90.2	1245	1182	94.9	1139	91.5	1133	91.0	1395	1322	94.8	1259	90.3
Health Board Total	4277	4081	95.4	3923	91.7	3826	89.5	3844	89.9	2052	1967	95.9	1899	92.5	1877	91.5	2225	2114	95.0	2024	91.0
Unknown	77	68	88.3	65	84.4	60	77.9	60	77.9	36	34	94.4	34	94.4	31	86.1	41	34	82.9	31	75.6
Wales Total	35498	33704	94.9	32424	91.3	29294	82.5	29361	82.7	17215	16408	95.3	15800	91.8	13607	79.0	18279	17295	94.6	16623	90.9

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 01/04/2021 and 31/03/2022 and resident on 31/03/2022.

		•	1yr					2yrs						5yrs			
	Resident	Babies at risk of	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	perinatal				children	of perinatal					children	of perinatal				
		infection					infection						infection			,	
	(n)	(n)	(%)	(%)	(%)	(n)	(n)	(%)	(%)	(%)	(%)	(n)	(n)	(%)	(%)	(%)	(%)
Aneurin Bevan	5757	6	100.0	100.0	100.0	6154	12	100.0	100.0	100.0	83.3	6762	9	100.0	88.9	88.9	44.4
Betsi Cadwalladr University	6064	3	100.0	100.0	100.0	6354	5	100.0	100.0	100.0	100.0	7183	6	100.0	100.0	100.0	100.0
Cardiff and Vale University	4765	16	93.8	100.0	100.0	5008	15	100.0	100.0	100.0	73.3	5790	18	100.0	100.0	88.9	61.1
Cwm Taf Morgannwg	4229	3	100.0	100.0	100.0	4410	1	100.0	100.0	100.0	100.0	5015	2	100.0	100.0	100.0	0.0
Hywel Dda	3186	1	100.0	100.0	100.0	3343	0	0.0	0.0	0.0	0.0	3821	0	0.0	0.0	0.0	0.0
Powys Teaching	1052	0	0.0	0.0	0.0	1059	0	0.0	0.0	0.0	0.0	1231	0	0.0	0.0	0.0	0.0
Swansea Bay University	3315	3	100.0	100.0	100.0	3519	5	100.0	100.0	100.0	40.0	4009	9	100.0	100.0	100.0	88.9
Unknown	90	0	0.0	0.0	0.0	83	0	0.0	0.0	0.0	0.0	53	0	0.0	0.0	0.0	0.0
Wales	28458	32	96.9	100.0	100.0	29930	39	100.0	97.4	97.4	74.4	33864	44	100.0	97.7	93.2	65.9

¹Data reflects immunisations given and recorded on the Public Health Wales All Wales Neonatal Hepatitis B database of babies born to hepatitis B positive mothers.

Links

Public Health Wales Vaccination and Immunisation intranet (NHS Wales only): https://nhswales365.sharepoint.com/sites/PHW VPDPComms

Public Health Wales internet: https://phw.nhs.wales/

Report Team

Report prepared by Public Health Wales Vaccine Preventable Disease Programme (VPDP) and Communicable Disease Surveillance Centre (CDSC), in collaboration with Digital Health and Care Wales (DHCW).

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