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Public Health Wales Vaccine Preventable Disease Programme

Uptake of Seasonal Influenza Vaccination – HB specific reports

Aneurin Bevan Health Board

2012/2013

1. Background

The aim of the Welsh Government seasonal influenza immunisation campaign policy is to minimise flu related morbidity, mortality, and hospital admissions.

In Wales in 2012/13, free seasonal influenza immunisation was offered to all people aged 65 years and over, and people between 6 months and 65 years in clinical risk groups (chronic respiratory disease, chronic heart disease, chronic renal disease, chronic liver disease, chronic neurological conditions, diabetes mellitus, and immunosuppression), all pregnant women, residents of long-stay care homes, and those who were a main carer for an elderly or disabled person whose welfare may be at risk if the carer fell ill.

For 2012/13 the Welsh Government target immunisation uptake rate was 75% for people aged 65 years and over, those aged under 65 years in clinical risk groups, and all pregnant women. For 2013/14 Welsh Government has elevated influenza vaccine uptake to a Tier 1 target.

This report has been prepared using influenza immunisation data collected directly from practices using the Audit+ Data Quality System. The report provides a description of the spread in uptake of influenza immunisation at General Practice level and allows HB Immunisation Coordinators, Nursing and Medical leads, Directors of Public Health, and Public Health Wales to identify possible problems with return of immunisation data or low uptake of influenza immunisation.

This report reflects data on immunisations given and recorded on GP systems up to 12th March 2013, collated via Audit+. Data was received from 100% of practices in Aneurin Bevan HB.

2. Summary of uptake in Aneurin Bevan HB

Table 1. Summary data for Aneurin Bevan Local Authorities (patients aged 65y and over and patients aged under 65y at risk).

Patients aged 65y and over						
	Practices achieving 75%	Practices not submitting	Total practices	Lowest practice uptake (%)	Highest practice uptake (%)	Overall LA uptake (%)
Blaenau Gwent	2	0	14	57.8	80.7	64.9
Caerphilly	3	0	27	58.3	82.4	66.5
Monmouthshire	8	0	14	56.5	86.0	70.8
Newport	3	0	21	58.2	83.5	70.8
Torfaen	1	0	13	60.1	77.5	68.2
Aneurin Bevan total	17	0	89	56.5	86.0	68.4

Patients aged under 65y at risk						
	Practices achieving 75%	Practices not submitting	Total practices	Lowest practice uptake (%)	Highest practice uptake (%)	Overall LA uptake (%)
Blaenau Gwent	0	0	14	40.0	73.1	51.6
Caerphilly	0	0	27	22.5	63.4	46.3
Monmouthshire	1	0	14	36.5	76.2	52.0
Newport	0	0	21	43.7	66.7	54.5
Torfaen	0	0	13	39.9	65.5	49.9
Aneurin Bevan total	1	0	89	22.5	76.2	50.3

Figure 1. Box and whisker plot showing distributions of practice seasonal influenza immunisation uptake rates (patients aged 65y and over). See page 4 for notes on interpretation.

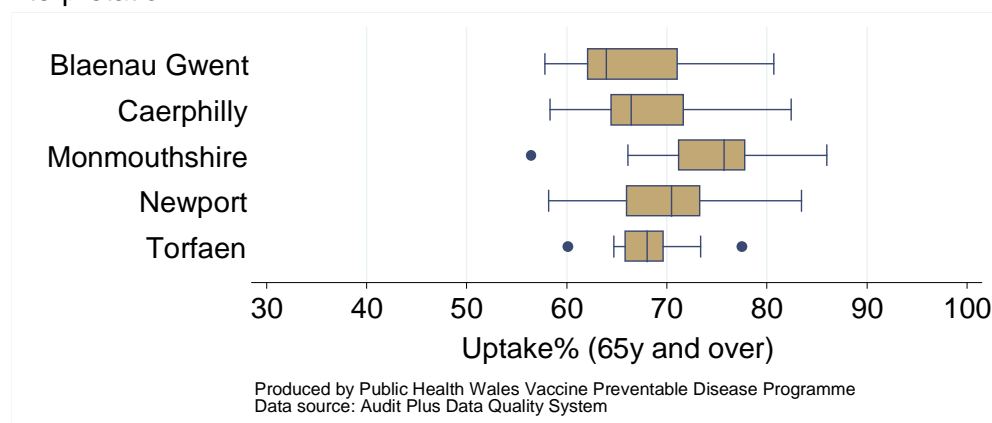


Figure 2. Box and whisker plot showing distributions of practice seasonal influenza immunisation uptake rates (patients aged under 65y at risk). See page 4 for notes on interpretation.

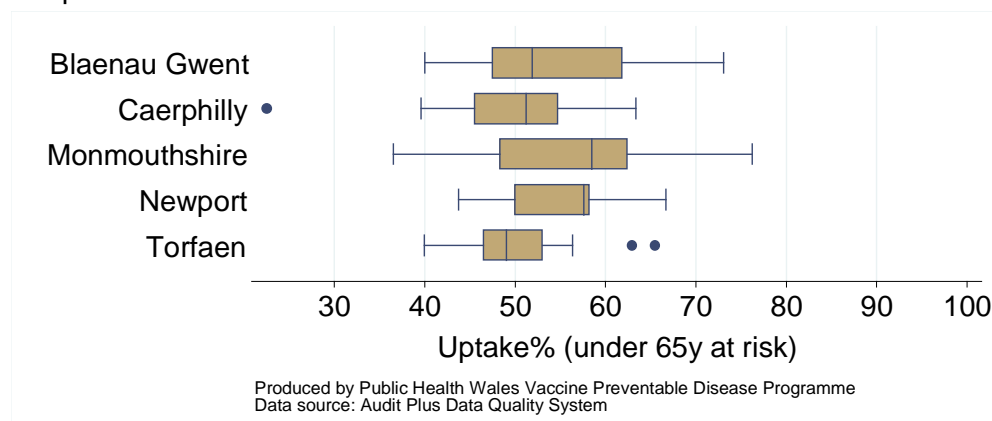
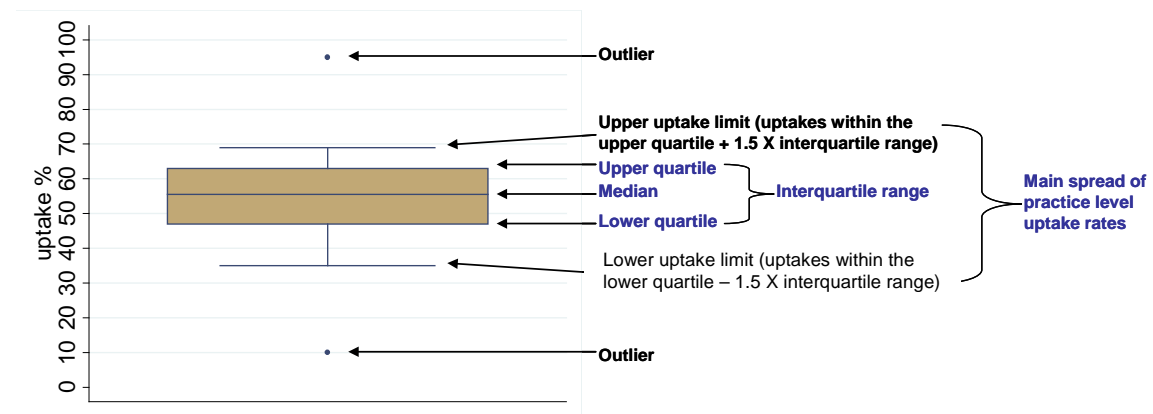


Figure 3. Notes on interpretation - Diagram of a box and whisker plot.



Figures 1 and 2 summarise the range of uptake rates within practices based in LHB Local Authority areas. Figure 3 provides an illustration as to how the box and whisker plots are constructed.

The box and whisker plots above show the spread of uptake rates of practices within HB Local Authority (LA) areas. The line inside the shaded box represents the median practice uptake rate (half of the LA practices have an uptake higher than the median value and half have an uptake lower than the median value). The shaded box represents the spread in uptake rates of the central 50% of practices, this is called the interquartile range. The whiskers extending above and below the shaded box represent the spread in practice uptake rates for the majority of practices within the LA. Any practices with uptake rates that are very different from the majority of practices within the LA are termed 'outliers' and appear as dots outside the whiskers.

3. Practice level data

Table 2. Practice level influenza immunisation uptake data for Blaenau Gwent Local Authority based practices.

Local Authority	Practice code	Patients 65y and over			Patients under 65y at risk		
		(n)	Immunised		(n)	Immunised	
			(n)	(%)		(n)	(%)
Blaenau Gwent	1	642	518	80.7	308	225	73.1
Blaenau Gwent	5	602	485	80.6	493	305	61.9
Blaenau Gwent	7	1518	1081	71.2	1084	544	50.2
Blaenau Gwent	12	384	273	71.1	255	159	62.4
Blaenau Gwent	10	555	368	66.3	202	121	59.9
Blaenau Gwent	15	1551	1010	65.1	955	595	62.3
Blaenau Gwent	17	653	424	64.9	443	242	54.6
Blaenau Gwent	16	796	501	62.9	457	217	47.5
Blaenau Gwent	3	1008	632	62.7	498	267	53.6
Blaenau Gwent	4	1130	705	62.4	803	401	49.9
Blaenau Gwent	8	1033	642	62.1	729	292	40.0
Blaenau Gwent	13	1235	739	59.8	700	326	46.6
Blaenau Gwent	9	1356	796	58.7	769	370	48.1
Blaenau Gwent	2	1195	691	57.8	860	347	40.3

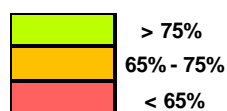


Figure 3. Practice level influenza immunisation uptake data for Blaenau Gwent Local Authority based practices (patients aged 65 years and over).

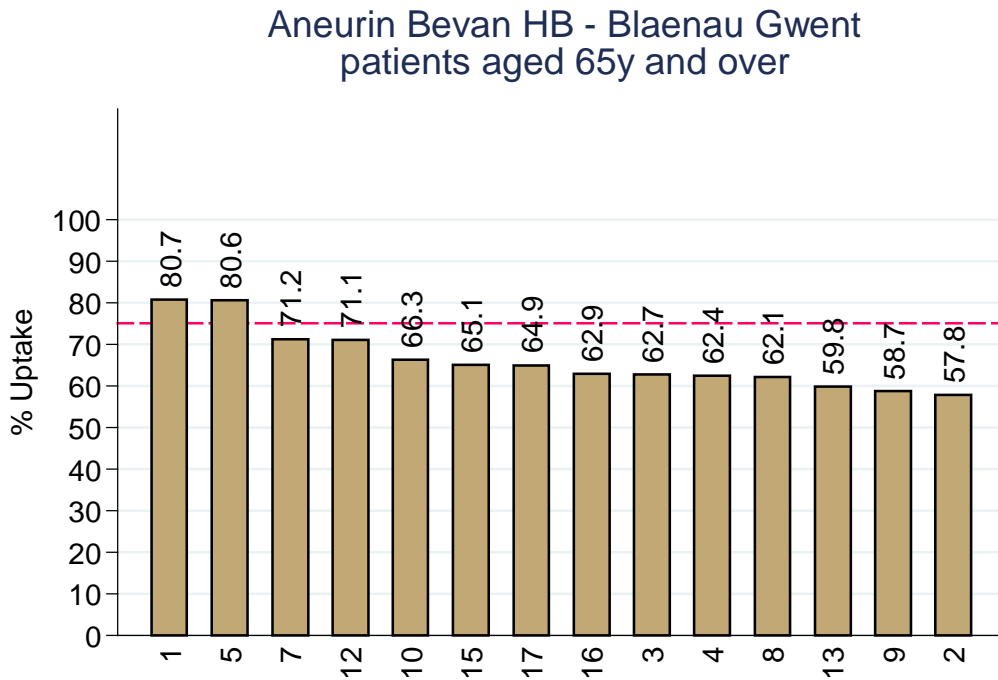


Figure 4. Practice level influenza immunisation uptake data for Blaenau Gwent Local Authority based practices (at risk patients aged under 65 years).

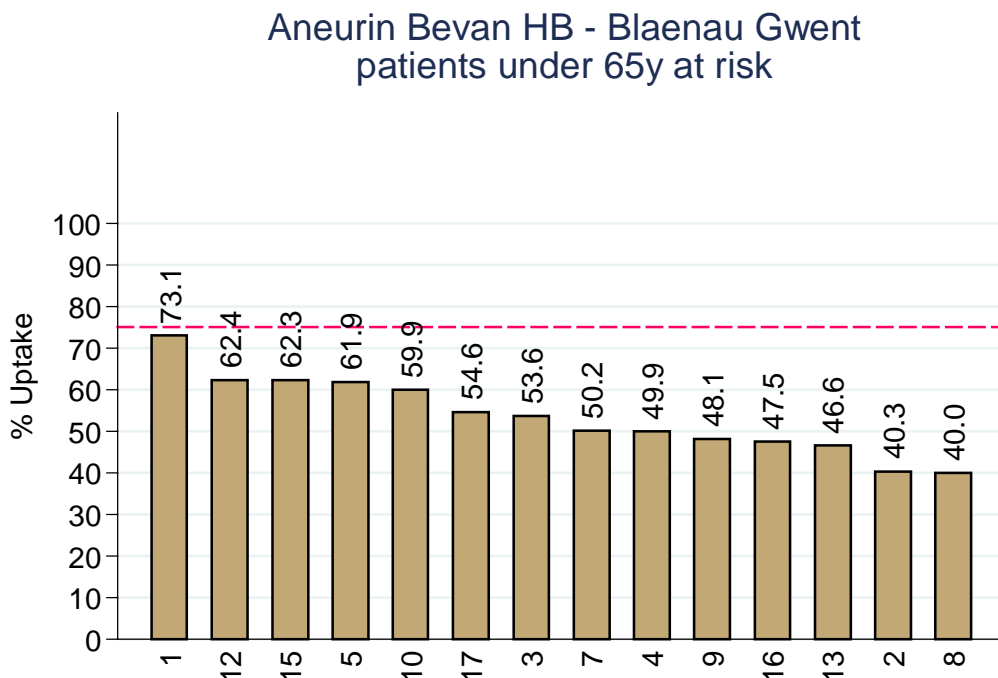


Table 3. Practice level influenza immunisation uptake data for Caerphilly Local Authority based practices.

Local Authority	Practice code	Patients 65y and over			Patients under 65y at risk		
		(n)	Immunised		(n)	Immunised	
			(n)	(%)		(n)	(%)
Caerphilly	13	591	487	82.4	586	327	55.8
Caerphilly	19	474	374	78.9	284	180	63.4
Caerphilly	21	377	283	75.1	370	229	61.9
Caerphilly	22	928	675	72.7	780	427	54.7
Caerphilly	12	343	249	72.6	392	225	57.4
Caerphilly	4	2637	1892	71.7	1320	662	50.2
Caerphilly	5	1000	717	71.7	503	297	59.0
Caerphilly	3	392	277	70.7	261	141	54.0
Caerphilly	20	1268	878	69.2	910	490	53.8
Caerphilly	28	1991	1362	68.4	935	497	53.2
Caerphilly	29	426	288	67.6	184	100	54.3
Caerphilly	26	1560	1040	66.7	1037	481	46.4
Caerphilly	9	1934	1289	66.6	1207	618	51.2
Caerphilly	24	2338	1553	66.4	1548	754	48.7
Caerphilly	14	1078	715	66.3	798	383	48.0
Caerphilly	15	1716	1126	65.6	1240	593	47.8
Caerphilly	17	1216	795	65.4	568	310	54.6
Caerphilly	6	1524	995	65.3	1210	545	45.0
Caerphilly	7	1081	705	65.2	892	353	39.6
Caerphilly	10	618	399	64.6	458	252	55.0
Caerphilly	1	874	563	64.4	512	255	49.8
Caerphilly	16	1173	739	63.0	784	342	43.6
Caerphilly	11	1166	733	62.9	713	365	51.2
Caerphilly	18	1105	687	62.2	592	266	44.9
Caerphilly	25	1205	739	61.3	767	349	45.5
Caerphilly	30	2831	1674	59.1	3000	676	22.5
Caerphilly	2	545	318	58.3	342	154	45.0

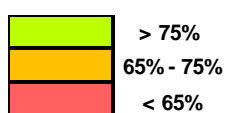


Figure 5. Practice level influenza immunisation uptake data for Caerphilly Local Authority based practices (patients aged 65 years and over).

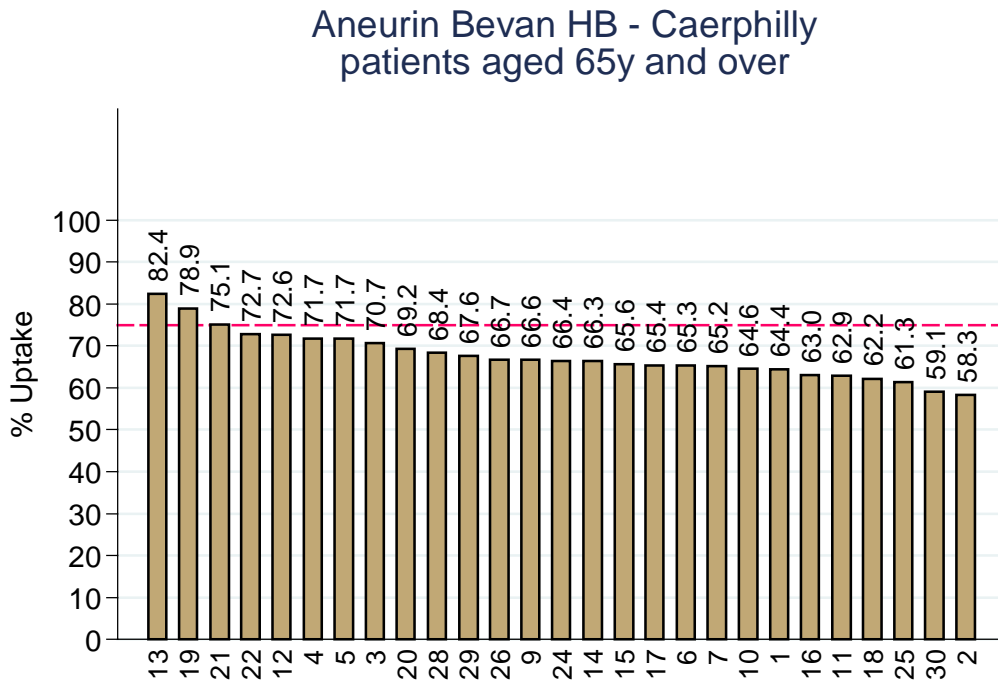


Figure 6. Practice level influenza immunisation uptake data for Caerphilly Local Authority based practices (at risk patients aged under 65 years).

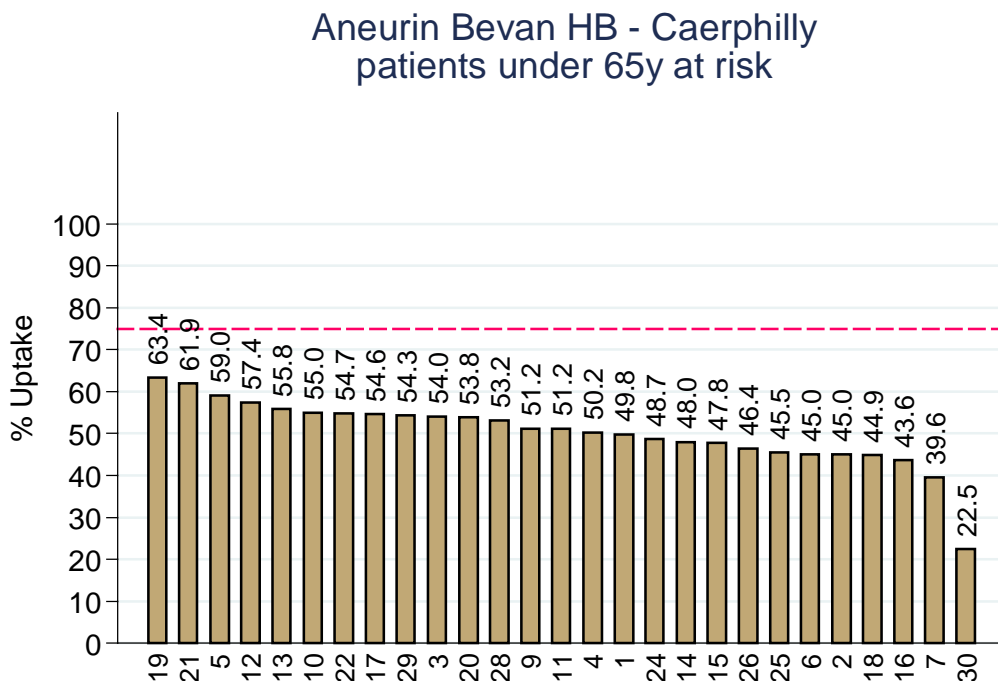


Table 4. Practice level influenza immunisation uptake data for Monmouthshire Local Authority based practices.

Local Authority	Practice code	Patients 65y and over			Patients under 65y at risk		
		(n)	Immunised		(n)	Immunised	
			(n)	(%)		(n)	(%)
Monmouthshire	5	400	344	86.0	202	154	76.2
Monmouthshire	8	653	513	78.6	222	138	62.2
Monmouthshire	10	515	402	78.1	190	122	64.2
Monmouthshire	7	2429	1890	77.8	1149	727	63.3
Monmouthshire	15	1417	1096	77.3	705	430	61.0
Monmouthshire	3	601	461	76.7	345	165	47.8
Monmouthshire	4	1913	1461	76.4	832	430	51.7
Monmouthshire	12	1121	842	75.1	454	241	53.1
Monmouthshire	9	1698	1234	72.7	853	504	59.1
Monmouthshire	11	1024	744	72.7	402	251	62.4
Monmouthshire	2	593	422	71.2	299	173	57.9
Monmouthshire	6	2927	2068	70.7	1093	528	48.3
Monmouthshire	14	2215	1464	66.1	928	420	45.3
Monmouthshire	1	3781	2135	56.5	1880	687	36.5

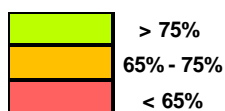


Figure 7. Practice level influenza immunisation uptake data for Monmouthshire Local Authority based practices (patients aged 65 years and over).

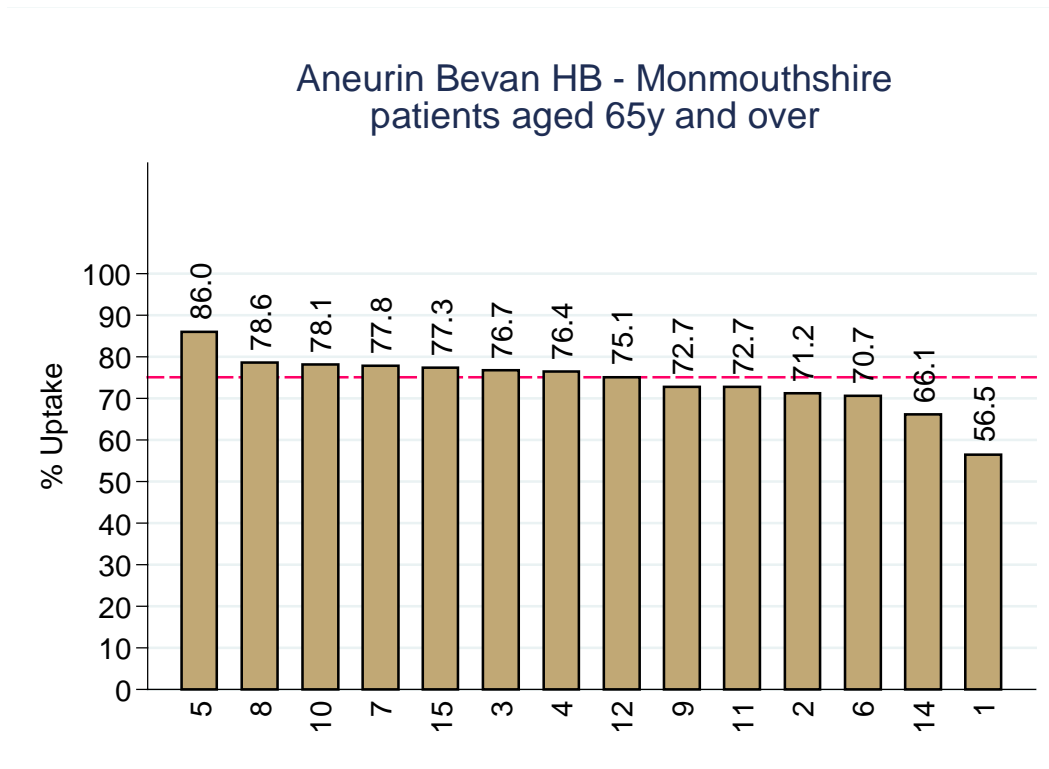


Figure 8. Practice level influenza immunisation uptake data for Monmouthshire Local Authority based practices (at risk patients aged under 65 years).

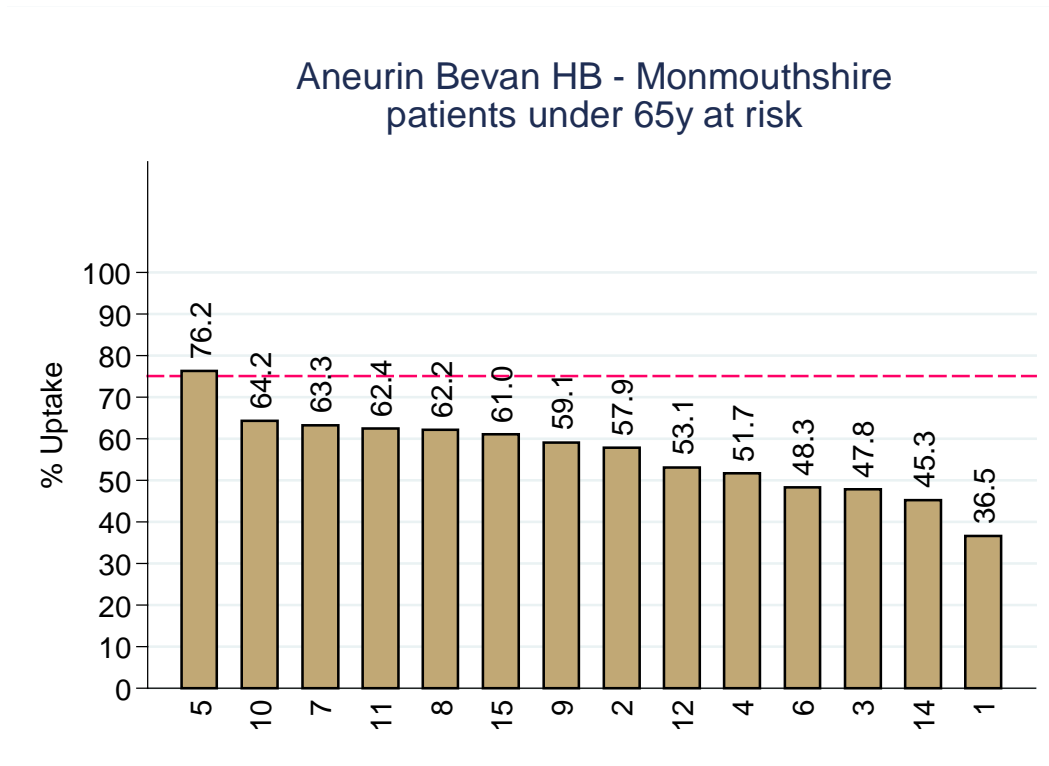


Table 5. Practice level influenza immunisation uptake data for Newport Local Authority based practices.

Local Authority	Practice code	Patients 65y and over			Patients under 65y at risk		
		(n)	Immunised		(n)	Immunised	
			(n)	(%)		(n)	(%)
Newport	W93045	1505	1256	83.5	768	512	66.7
Newport	W93640	595	475	79.8	470	272	57.9
Newport	W93061	2222	1712	77.0	915	527	57.6
Newport	W93051	1325	977	73.7	999	579	58.0
Newport	W93116	492	361	73.4	399	230	57.6
Newport	W93053	2166	1588	73.3	1457	728	50.0
Newport	W93125	539	390	72.4	367	219	59.7
Newport	W93628	490	351	71.6	382	252	66.0
Newport	W93048	2105	1487	70.6	1662	999	60.1
Newport	W93046	756	534	70.6	457	265	58.0
Newport	W93054	2328	1641	70.5	1117	611	54.7
Newport	W93041	703	491	69.8	564	348	61.7
Newport	W93018	1786	1232	69.0	797	393	49.3
Newport	W93040	893	607	68.0	611	309	50.6
Newport	W93052	932	628	67.4	579	268	46.3
Newport	W93050	426	281	66.0	227	132	58.1
Newport	W93047	1293	850	65.7	654	286	43.7
Newport	W93043	1240	814	65.6	551	299	54.3
Newport	W93049	1875	1218	65.0	1263	584	46.2
Newport	W93044	1043	674	64.6	737	344	46.7
Newport	W93039	452	263	58.2	511	278	54.4

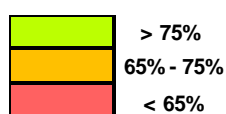


Figure 9. Practice level influenza immunisation uptake data for Newport Local Authority based practices (patients aged 65 years and over).

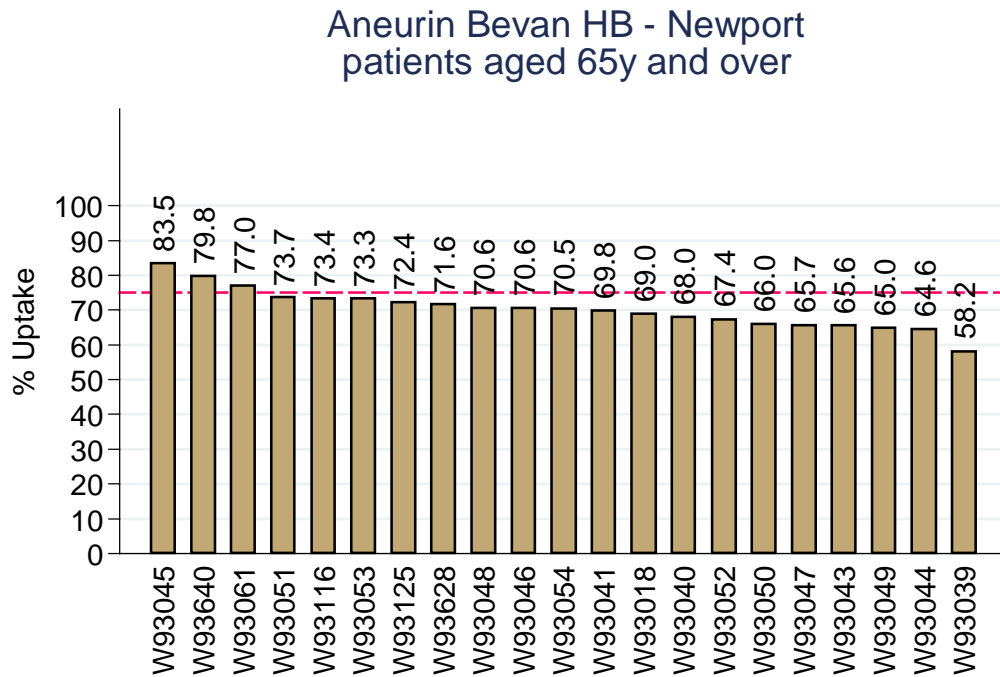


Figure 10. Practice level influenza immunisation uptake data for Newport Local Authority based (at risk patients aged under 65 years).

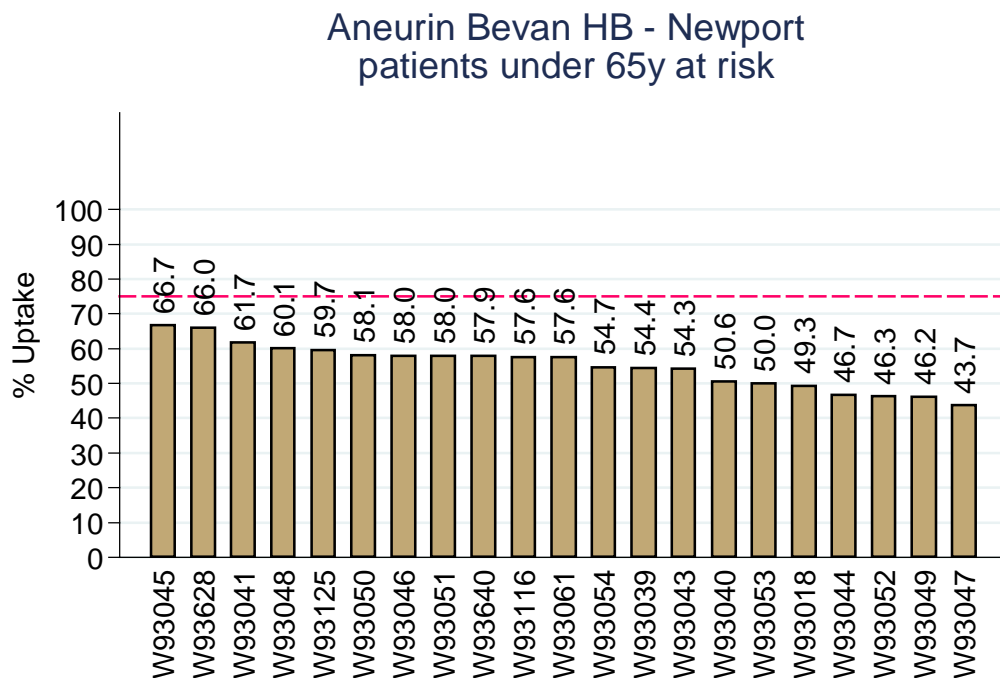


Table 6. Practice level influenza immunisation uptake data for Torfaen Local Authority based practices.

Local Authority	Practice code	Patients 65y and over			Patients under 65y at risk		
		(n)	Immunised		(n)	Immunised	
			(n)	(%)		(n)	(%)
Torfaen	10	867	672	77.5	745	488	65.5
Torfaen	7	1228	901	73.4	749	422	56.3
Torfaen	9	1049	748	71.3	440	277	63.0
Torfaen	6	1064	741	69.6	786	417	53.1
Torfaen	2	1701	1178	69.3	1000	465	46.5
Torfaen	8	2597	1785	68.7	1339	629	47.0
Torfaen	13	1696	1154	68.0	1134	556	49.0
Torfaen	1	796	540	67.8	776	310	39.9
Torfaen	4	1150	763	66.3	711	349	49.1
Torfaen	11	1104	727	65.9	566	277	48.9
Torfaen	3	1413	929	65.7	821	368	44.8
Torfaen	12	1882	1218	64.7	1416	697	49.2
Torfaen	5	862	518	60.1	501	223	44.5

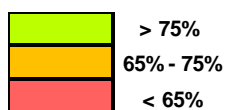


Figure 11. Practice level influenza immunisation uptake data for Torfaen Local Authority based practices (patients aged 65 years and over).

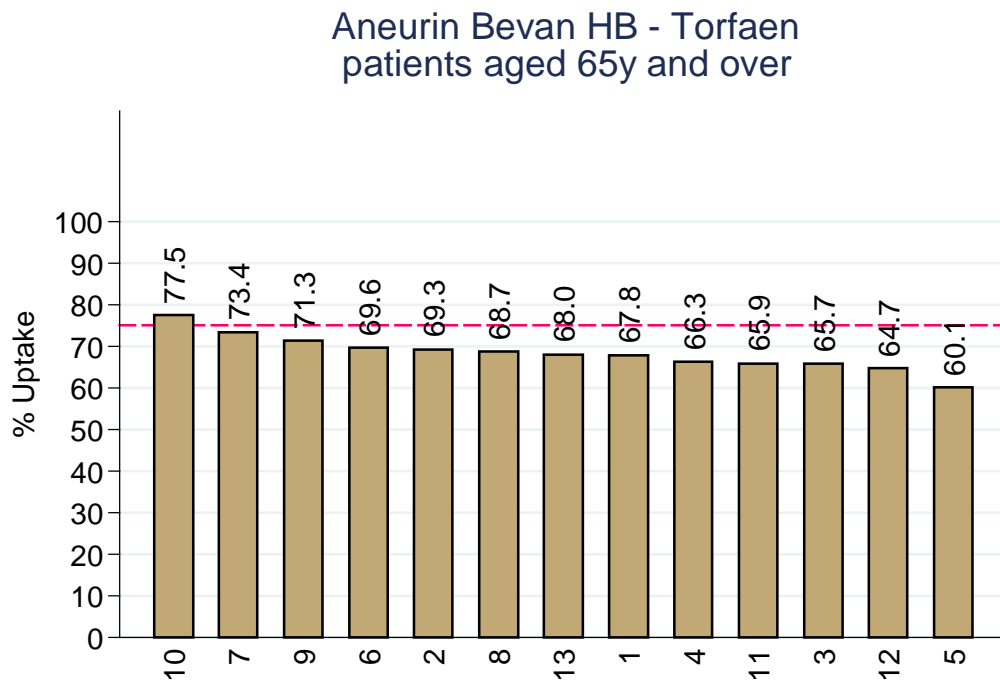


Figure 12. Practice level influenza immunisation uptake data for Torfaen Local Authority based practices (at risk patients aged under 65 years).

