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Public Health Wales Vaccine Preventable Disease Programme

Uptake of Seasonal Influenza Vaccination – HB specific reports

**Abertawe Bro Morgannwg University
HB**

2011/2012

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 2011/12, 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), 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. During the 2011/12 season, free seasonal influenza immunisation was also offered to all pregnant women.

For 2011/12 the Welsh Government target immunisation uptake rate was 75% for people aged 65 years and over, and those aged under 65 years in clinical risk groups.

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 April 2012, collated via Audit+. Data were received from 98.7% of practices in Abertawe Bro Morgannwg University HB.

2. Summary of uptake in Abertawe Bro Morgannwg University HB.

Table 1. Summary data for Abertawe Bro Morgannwg Local Authorities.

Patients aged 65y and over						
	Practices achieving 75%	Practices not submitting	Total practices	Lowest practice uptake (%)	Highest practice uptake (%)	Overall LA uptake (%)
Bridgend	1	0	19	54.5	76.7	67.6
Neath Port Talbot	3	0	23	52.7	82.0	63.6
Swansea	3	1	35	47.1	83.3	64.9
ABM total	7	1	77	47.1	83.3	65.3

Patients aged under 65y at risk						
	Practices achieving 75%	Practices not submitting	Total practices	Lowest practice uptake (%)	Highest practice uptake (%)	Overall LA uptake (%)
Bridgend	0	0	19	36.8	55.9	44.9
Neath Port Talbot	0	0	23	33.5	65.7	44.7
Swansea	0	1	35	33.9	60.2	45.4
ABM total	0	1	77	33.5	65.7	45.1

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.

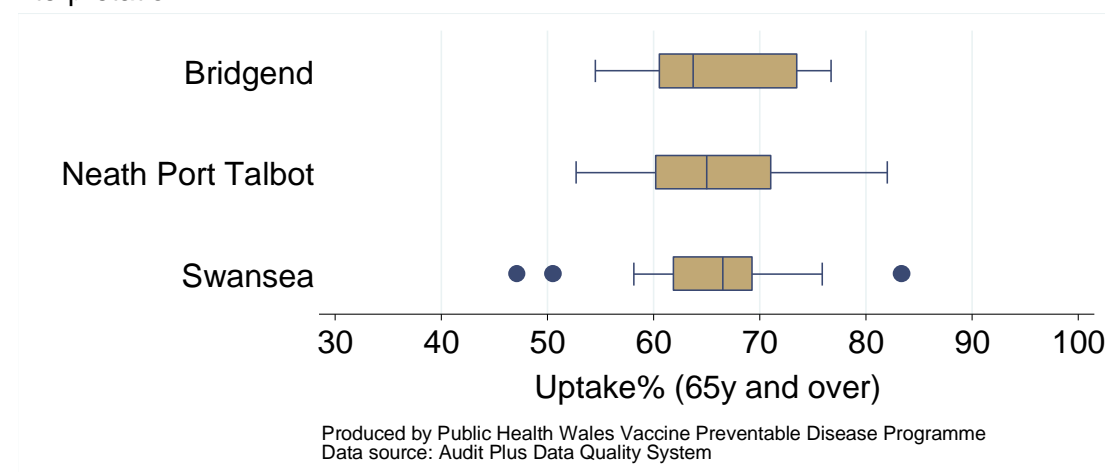


Figure 2. Box and whisker plot showing distributions of practice seasonal influenza immunisation uptake rates (patients aged under 65y at risk). See page 4 for notes on interpretation.

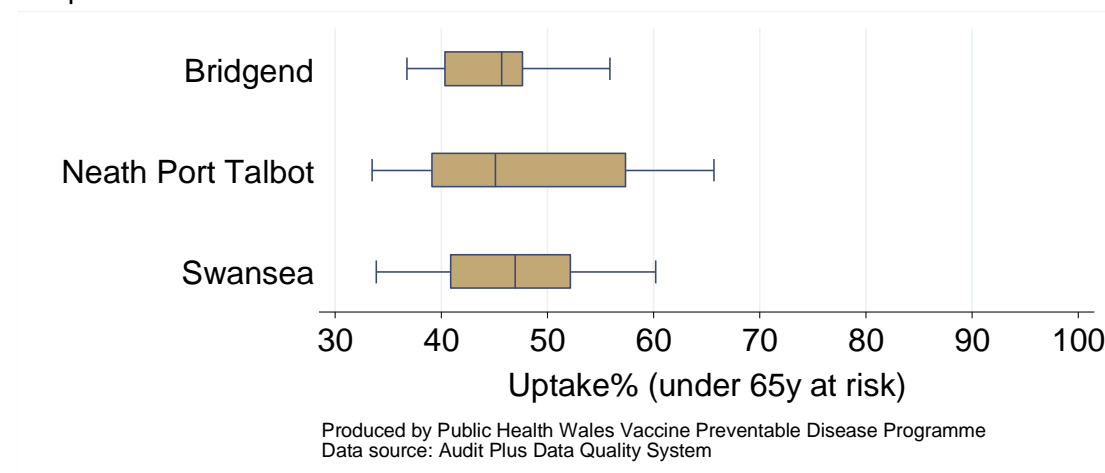
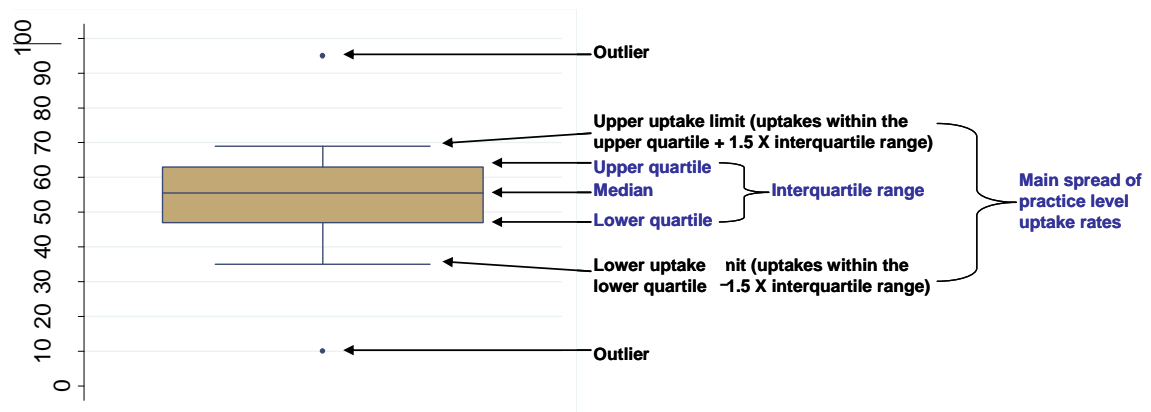


Figure 3. Notes on interpretation - Diagram of a box and whisker plot.



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 General Practices within Bridgend Local Authority.

Local Authority	Practice code	Patients 65y and over			Patients under 65y at risk		
		(n)	Immunised		(n)	Immunised	
			(n)	(%)		(n)	(%)
Bridgend	19	3056	2344	76.7	1987	967	48.7
Bridgend	14	1423	1058	74.3	800	387	48.4
Bridgend	1	993	736	74.1	585	327	55.9
Bridgend	13	747	550	73.6	596	300	50.3
Bridgend	18	1742	1280	73.5	1155	536	46.4
Bridgend	7	3820	2774	72.6	1471	701	47.7
Bridgend	2	1738	1202	69.2	1031	477	46.3
Bridgend	5	1775	1153	65.0	1266	578	45.7
Bridgend	6	1177	754	64.1	1040	466	44.8
Bridgend	3	678	432	63.7	165	77	46.7
Bridgend	16	1297	823	63.5	767	354	46.2
Bridgend	12	3116	1971	63.3	1595	643	40.3
Bridgend	8	1755	1081	61.6	1160	455	39.2
Bridgend	15	602	367	61.0	478	208	43.5
Bridgend	9	616	373	60.6	412	183	44.4
Bridgend	4	1333	807	60.5	772	308	39.9
Bridgend	11	855	517	60.5	902	345	38.2
Bridgend	10	722	397	55.0	506	186	36.8
Bridgend	17	532	290	54.5	211	96	45.5

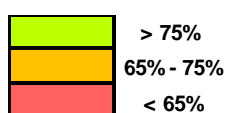


Figure 4. Practice level influenza immunisation uptake data for General Practices within Bridgend Local Authority (patients aged 65 years and over).

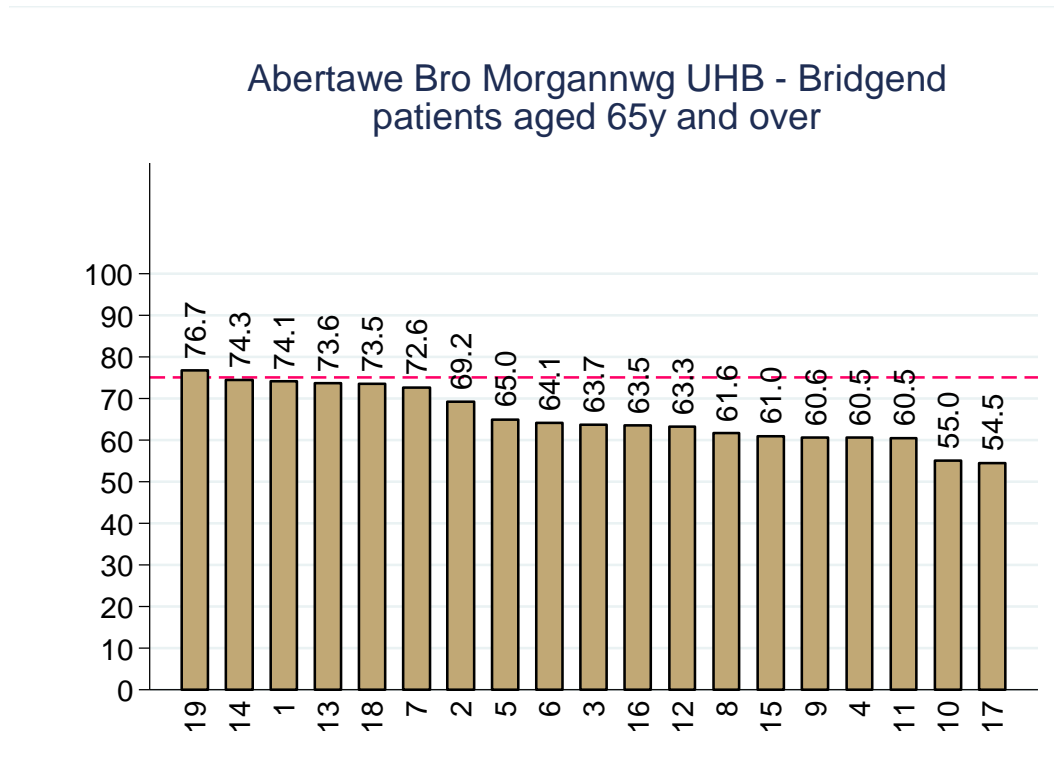


Figure 5. Practice level influenza immunisation uptake data for General Practices within Bridgend Local Authority (at risk patients aged under 65 years).

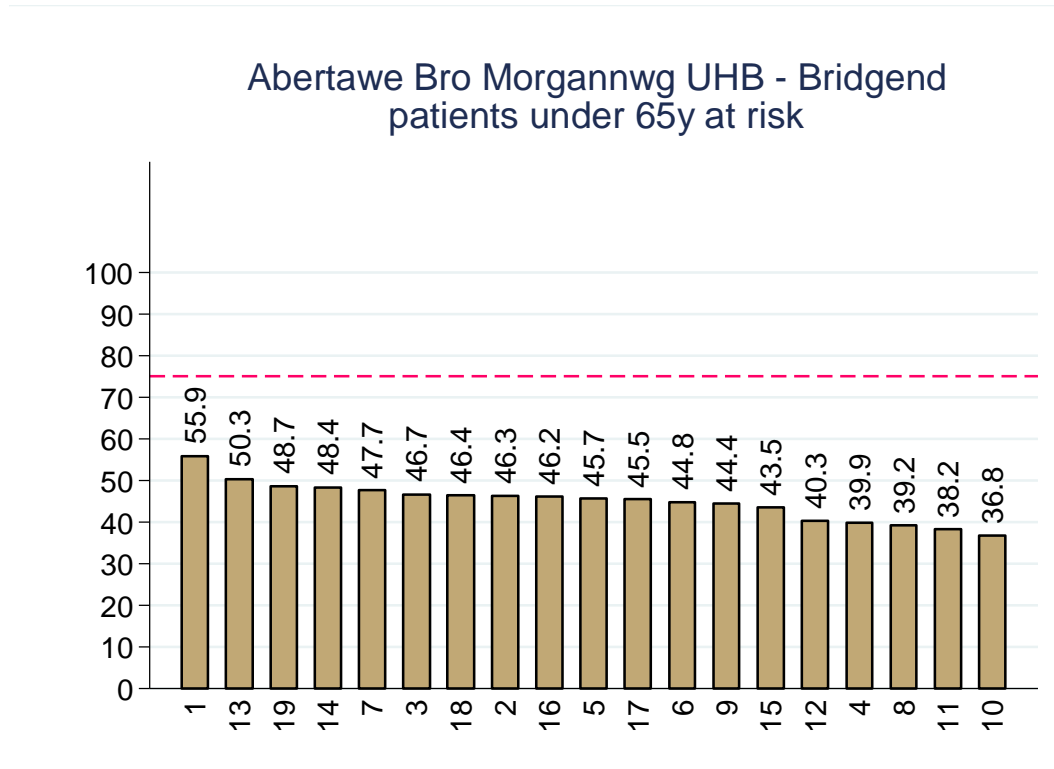


Table 3. Practice level influenza immunisation uptake data for General Practices within Neath Port Talbot Local Authority.

Local Authority	Practice code	Patients 65y and over			Patients under 65y at risk		
		(n)	Immunised		(n)	Immunised	
			(n)	(%)		(n)	(%)
Neath Port Talbot	22	617	506	82.0	431	261	60.6
Neath Port Talbot	8	150	114	76.0	199	129	64.8
Neath Port Talbot	7	1868	1416	75.8	1102	653	59.3
Neath Port Talbot	19	442	328	74.2	274	180	65.7
Neath Port Talbot	20	631	463	73.4	418	240	57.4
Neath Port Talbot	14	397	282	71.0	366	218	59.6
Neath Port Talbot	16	1147	800	69.7	735	362	49.3
Neath Port Talbot	1	2249	1482	65.9	1170	536	45.8
Neath Port Talbot	3	78	51	65.4	128	73	57.0
Neath Port Talbot	23	1300	848	65.2	702	344	49.0
Neath Port Talbot	4	715	466	65.2	463	207	44.7
Neath Port Talbot	21	968	629	65.0	794	358	45.1
Neath Port Talbot	15	1259	811	64.4	728	326	44.8
Neath Port Talbot	11	1800	1158	64.3	966	420	43.5
Neath Port Talbot	9	622	376	60.5	305	136	44.6
Neath Port Talbot	10	1777	1073	60.4	1054	412	39.1
Neath Port Talbot	18	2054	1239	60.3	1182	406	34.3
Neath Port Talbot	6	417	251	60.2	274	131	47.8
Neath Port Talbot	17	1667	994	59.6	915	312	34.1
Neath Port Talbot	2	1936	1131	58.4	1122	424	37.8
Neath Port Talbot	12	2109	1226	58.1	1197	487	40.7
Neath Port Talbot	5	706	391	55.4	544	182	33.5
Neath Port Talbot	13	1752	923	52.7	785	294	37.5

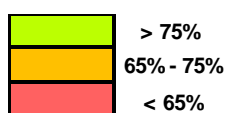


Figure 6. Practice level influenza immunisation uptake data for General Practices within Neath Port Talbot Local Authority (patients aged 65 years and over).

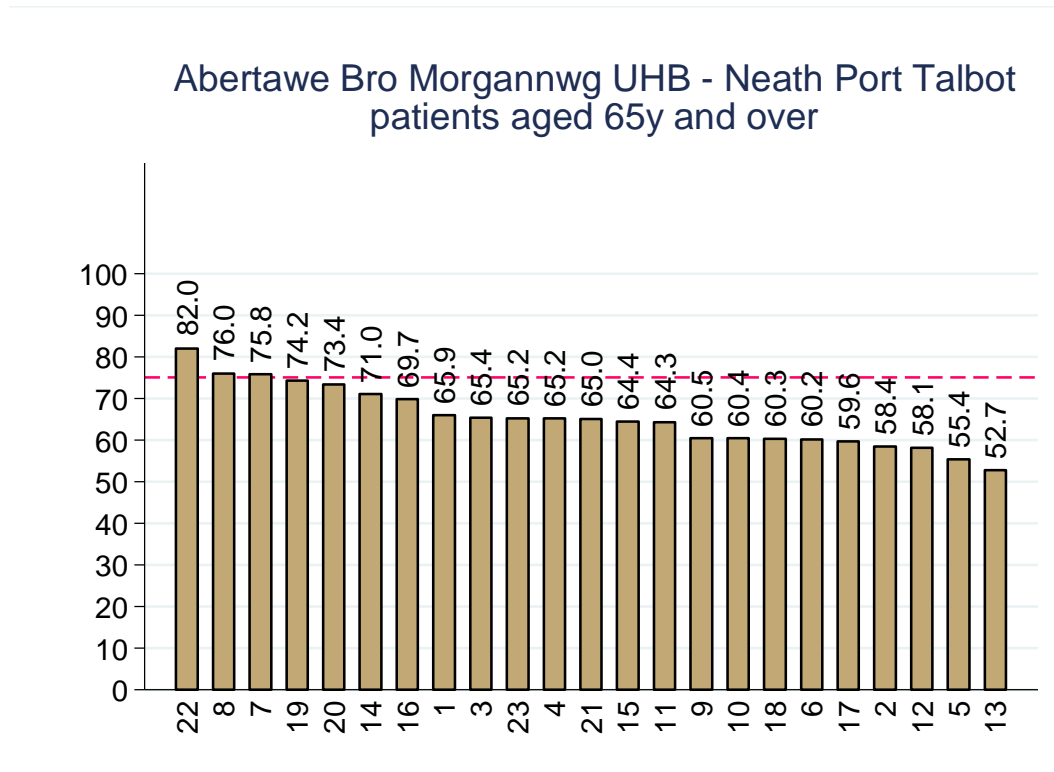


Figure 7. Practice level influenza immunisation uptake data for General Practices within Neath Port Talbot Local Authority (at risk patients aged under 65 years).

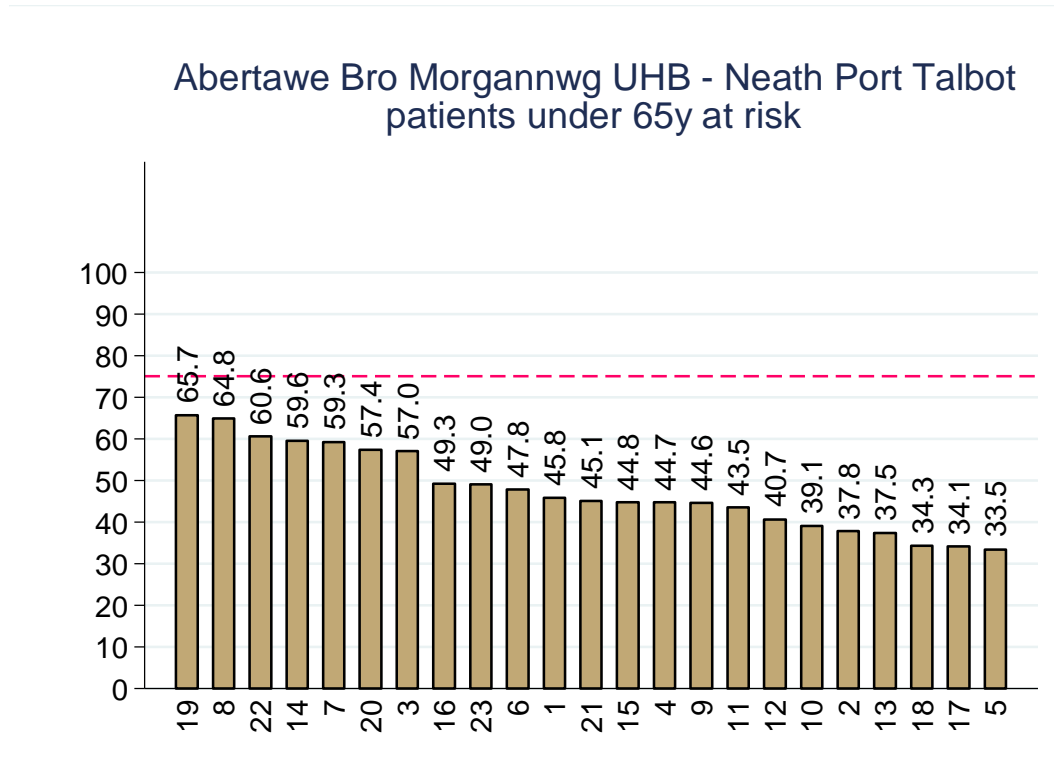


Table 4. Practice level influenza immunisation uptake data for General Practices within Swansea Local Authority.

Local Authority	Practice code	Patients 65y and over			Patients under 65y at risk		
		(n)	Immunised		(n)	Immunised	
			(n)	(%)		(n)	(%)
Swansea	34	18	15	83.3	528	221	41.9
Swansea	27	473	359	75.9	623	249	40.0
Swansea	19	1769	1329	75.1	533	316	59.3
Swansea	22	1032	742	71.9	693	365	52.7
Swansea	18	610	438	71.8	498	262	52.6
Swansea	4	1026	734	71.5	304	154	50.7
Swansea	16	477	335	70.2	249	137	55.0
Swansea	3	2423	1692	69.8	1314	674	51.3
Swansea	14	1102	763	69.2	740	354	47.8
Swansea	20	1140	786	68.9	778	397	51.0
Swansea	2	1009	692	68.6	532	296	55.6
Swansea	32	1349	912	67.6	1281	579	45.2
Swansea	36	1204	810	67.3	736	384	52.2
Swansea	25	1437	965	67.2	1116	557	49.9
Swansea	17	248	166	66.9	191	115	60.2
Swansea	26	2451	1639	66.9	617	234	37.9
Swansea	28	1098	732	66.7	803	368	45.8
Swansea	1	1294	859	66.4	714	381	53.4
Swansea	24	1907	1260	66.1	735	345	46.9
Swansea	12	2026	1330	65.6	1040	551	53.0
Swansea	7	553	358	64.7	524	268	51.1
Swansea	23	1341	860	64.1	962	393	40.9
Swansea	8	2114	1339	63.3	886	300	33.9
Swansea	10	1534	951	62.0	983	367	37.3
Swansea	9	1619	1003	62.0	754	277	36.7
Swansea	35	283	175	61.8	166	78	47.0
Swansea	5	812	496	61.1	581	272	46.8
Swansea	31	4688	2838	60.5	1884	646	34.3
Swansea	13	1309	791	60.4	779	317	40.7
Swansea	21	1501	887	59.1	688	312	45.3
Swansea	30	1994	1170	58.7	1126	473	42.0
Swansea	15	645	375	58.1	738	285	38.6
Swansea	33	1113	562	50.5	426	184	43.2
Swansea	6	348	164	47.1	361	176	48.8
Swansea	29	Data not present					

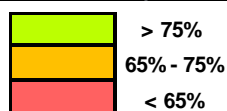


Figure 8. Practice level influenza immunisation uptake data for General Practices within Swansea Local Authority (patients aged 65 years and over).

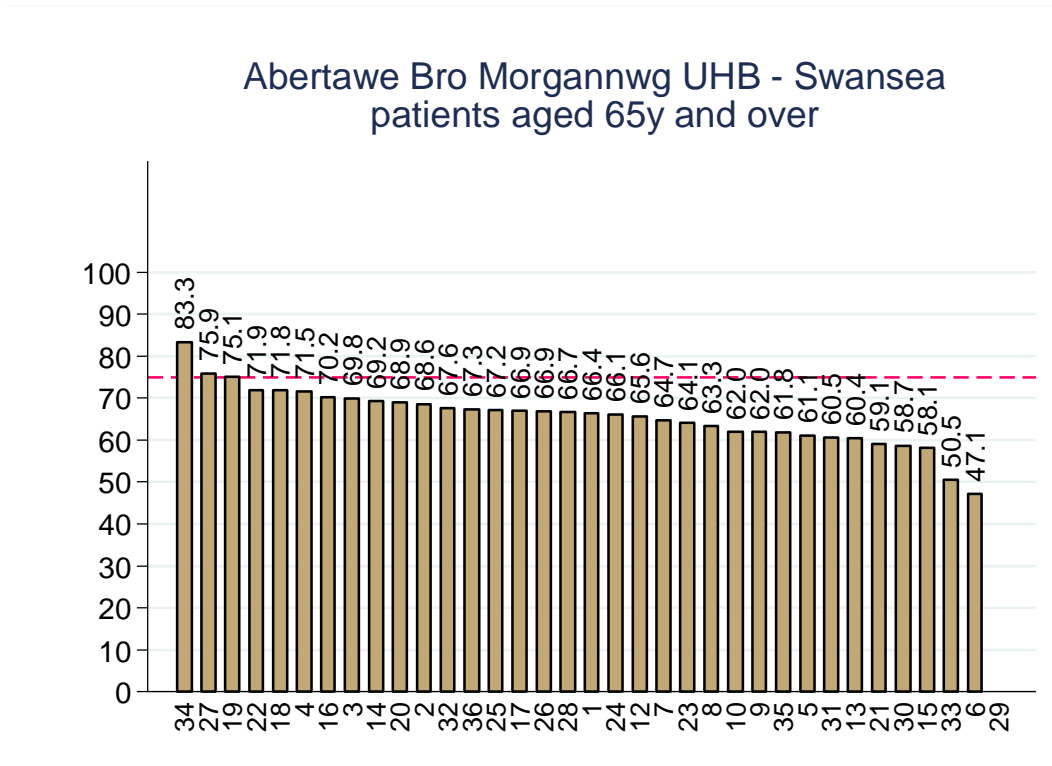


Figure 9. Practice level influenza immunisation uptake data for General Practices within Swansea Local Authority (at risk patients aged under 65 years).

