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Public Health Wales Vaccine Preventable Disease Programme

Uptake of Seasonal Influenza Vaccination – HB specific reports

**Abertawe Bro Morgannwg University
HB**

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 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	2	0	19	52.7	75.9	67.6
Neath Port Talbot	2	1	23	54.6	81.0	64.1
Swansea	2	0	35	49.1	76.2	64.7
ABM total	6	1	77	49.1	81.0	65.4

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	34.8	51.8	43.7
Neath Port Talbot	0	1	23	31.8	69.5	45.8
Swansea	0	0	35	34.6	65.5	45.9
ABM total	0	1	77	31.8	69.5	45.2

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.

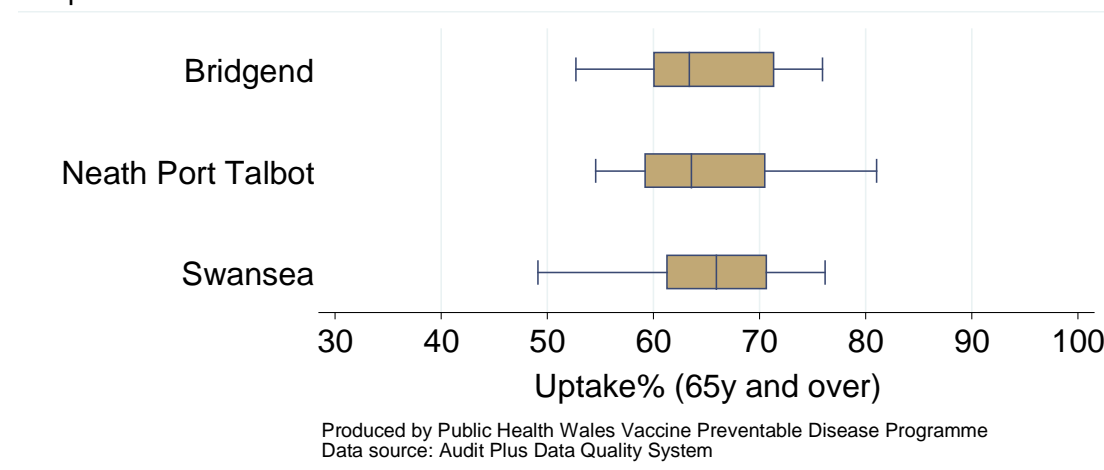


Figure 2. Box and whisker plot showing distributions of practice seasonal influenza immunisation uptake rates (patients aged under 65y at risk). See page 4 for notes on interpretation.

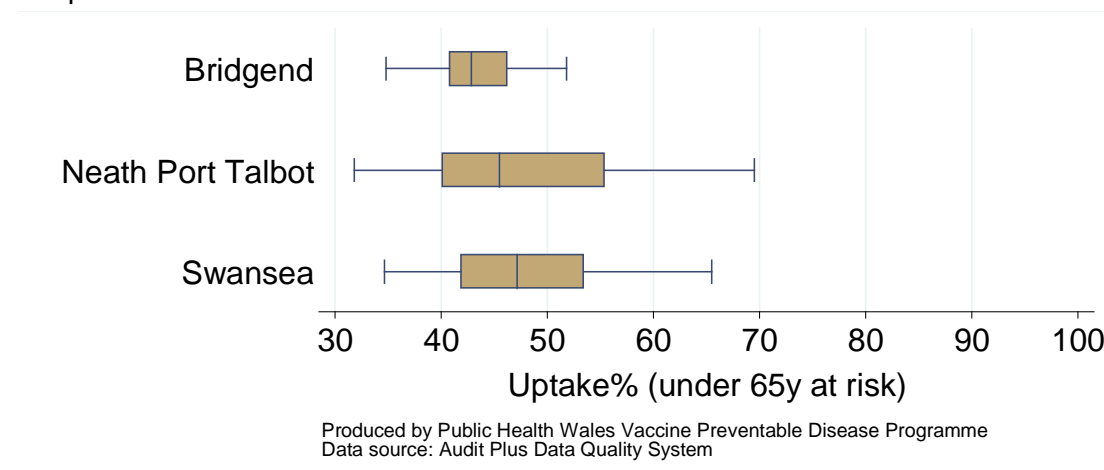
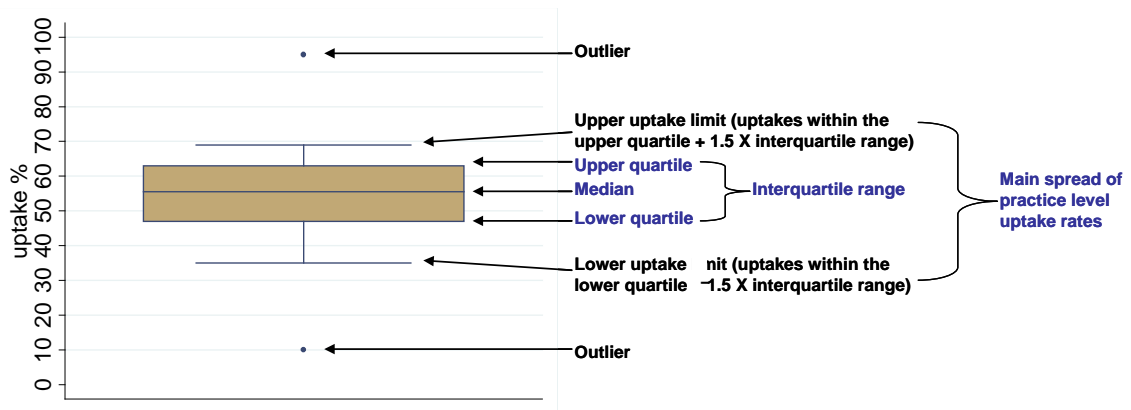


Figure 3. Notes on interpretation - Diagram of a box and whisker plot.



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	13	772	586	75.9	630	307	48.7
Bridgend	19	3175	2403	75.7	2043	981	48.0
Bridgend	7	3910	2840	72.6	1524	708	46.5
Bridgend	14	1489	1064	71.5	831	366	44.0
Bridgend	18	1799	1284	71.4	1183	528	44.6
Bridgend	1	1021	728	71.3	585	303	51.8
Bridgend	12	3198	2246	70.2	1754	811	46.2
Bridgend	2	1825	1259	69.0	1095	477	43.6
Bridgend	5	1886	1209	64.1	1263	519	41.1
Bridgend	16	1385	878	63.4	769	327	42.5
Bridgend	3	718	455	63.4	180	80	44.4
Bridgend	6	1204	755	62.7	1057	453	42.9
Bridgend	8	1812	1132	62.5	1144	442	38.6
Bridgend	15	614	379	61.7	475	202	42.5
Bridgend	4	1392	836	60.1	785	273	34.8
Bridgend	9	608	358	58.9	434	186	42.9
Bridgend	10	724	404	55.8	486	194	39.9
Bridgend	11	893	481	53.9	876	335	38.2
Bridgend	17	535	282	52.7	233	95	40.8

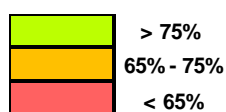


Figure 4. Practice level influenza immunisation uptake data for General Practices within Bridgend Local Authority (patients aged 65 years and over).

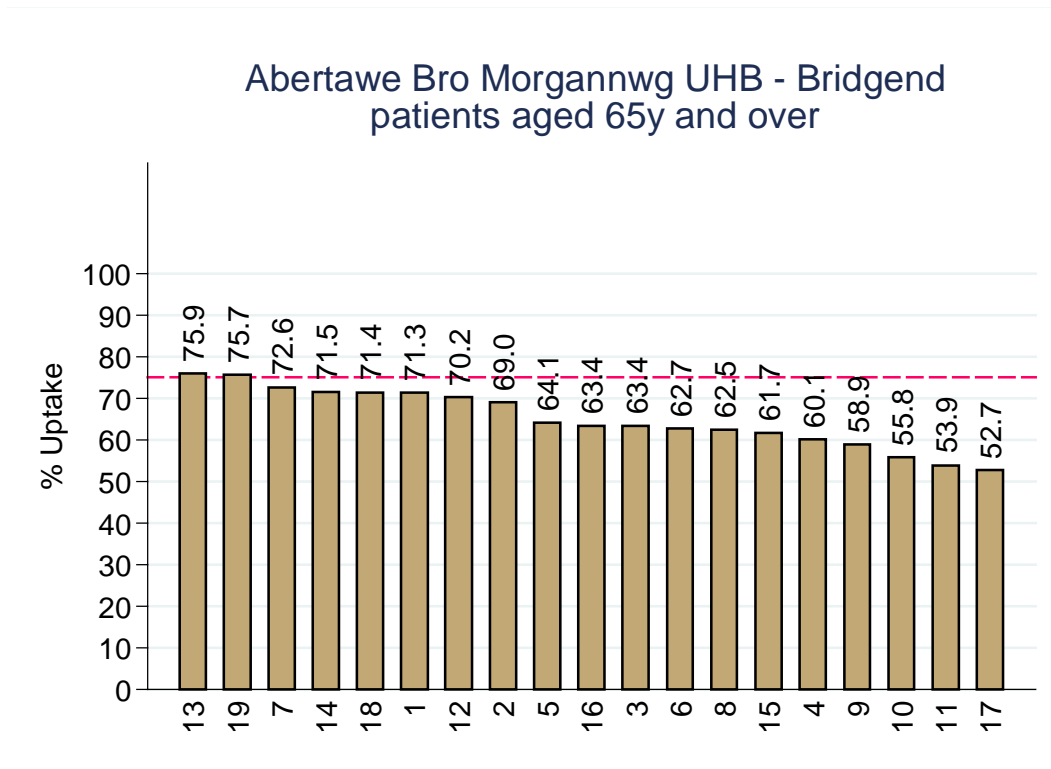


Figure 5. Practice level influenza immunisation uptake data for General Practices within Bridgend Local Authority (at risk patients aged under 65 years).

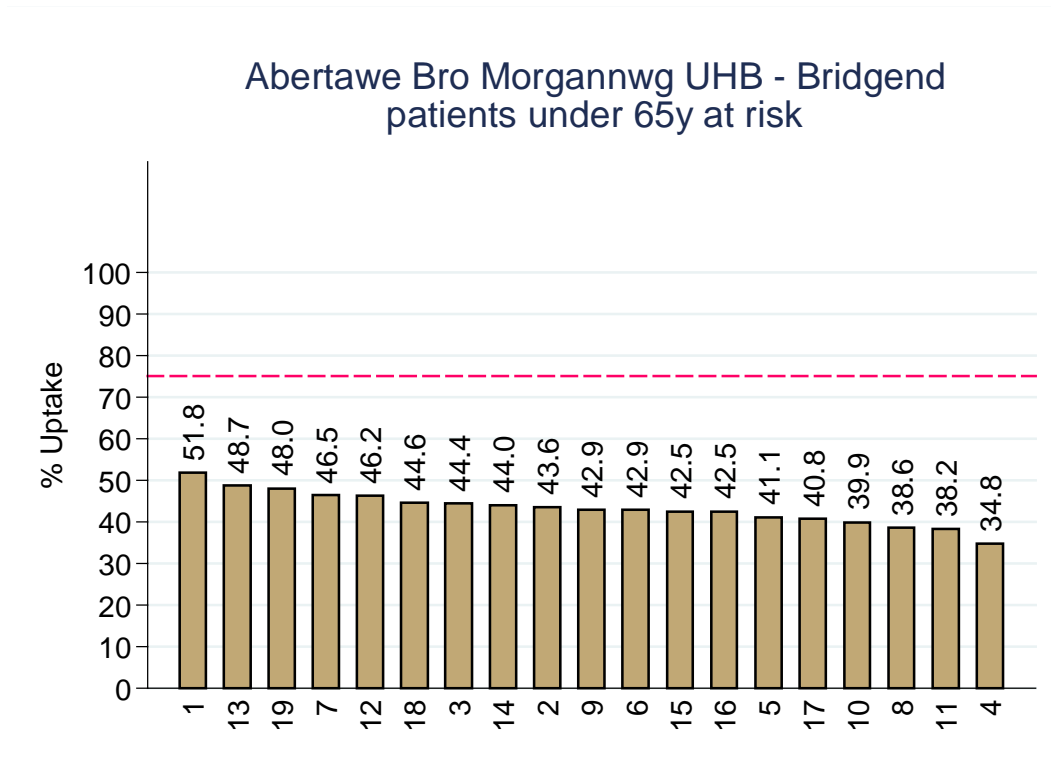


Table 3. Practice level influenza immunisation uptake data for General Practices within Neath Port Talbot Local Authority.

Local Authority	Practice code	Patients 65y and over			Patients under 65y at risk		
		(n)	Immunised		(n)	Immunised	
			(n)	(%)		(n)	(%)
Neath Port Talbot	22	627	508	81.0	430	273	63.5
Neath Port Talbot	20	657	507	77.2	412	272	66.0
Neath Port Talbot	7	1967	1474	74.9	1187	704	59.3
Neath Port Talbot	8	150	112	74.7	217	149	68.7
Neath Port Talbot	19	445	331	74.4	272	189	69.5
Neath Port Talbot	14	427	301	70.5	376	208	55.3
Neath Port Talbot	16	1180	816	69.2	739	386	52.2
Neath Port Talbot	1	2307	1591	69.0	1214	621	51.2
Neath Port Talbot	21	973	628	64.5	862	396	45.9
Neath Port Talbot	11	1835	1177	64.1	969	448	46.2
Neath Port Talbot	4	726	465	64.0	454	184	40.5
Neath Port Talbot	15	1284	810	63.1	706	299	42.4
Neath Port Talbot	23	1325	835	63.0	693	312	45.0
Neath Port Talbot	3	87	54	62.1	118	62	52.5
Neath Port Talbot	18	2106	1304	61.9	1202	382	31.8
Neath Port Talbot	5	749	448	59.8	570	244	42.8
Neath Port Talbot	9	650	385	59.2	301	127	42.2
Neath Port Talbot	10	1866	1103	59.1	1060	401	37.8
Neath Port Talbot	17	1687	988	58.6	908	327	36.0
Neath Port Talbot	2	2028	1167	57.5	1144	412	36.0
Neath Port Talbot	6	442	245	55.4	287	115	40.1
Neath Port Talbot	13	1785	974	54.6	760	301	39.6
Neath Port Talbot	12	Data not present					

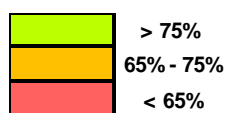


Figure 6. Practice level influenza immunisation uptake data for General Practices within Neath Port Talbot Local Authority (patients aged 65 years and over).

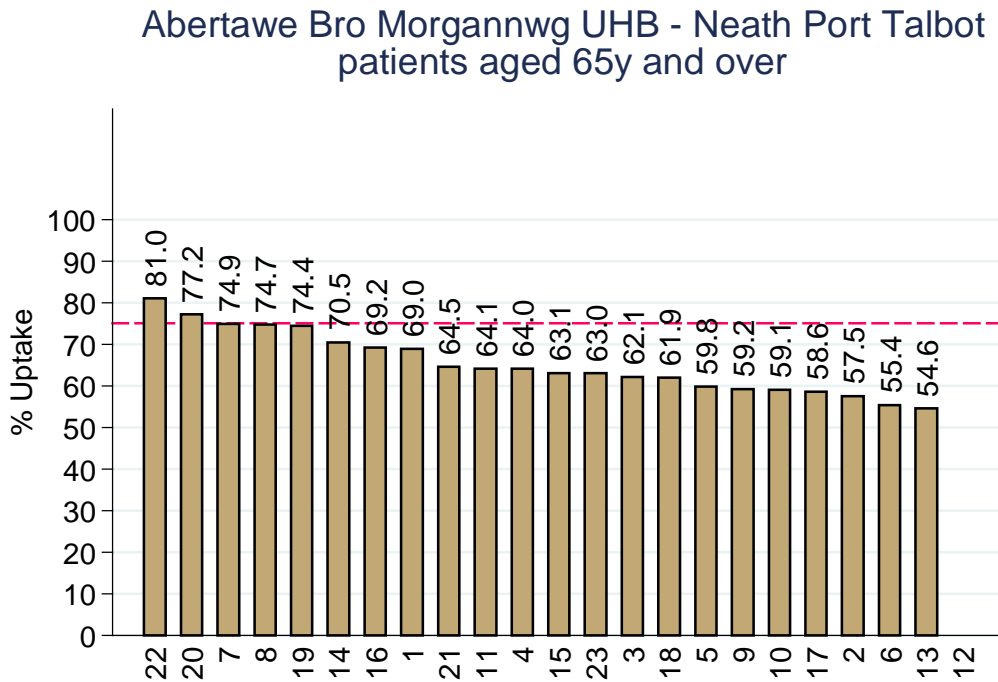


Figure 7. Practice level influenza immunisation uptake data for General Practices within Neath Port Talbot Local Authority (at risk patients aged under 65 years).

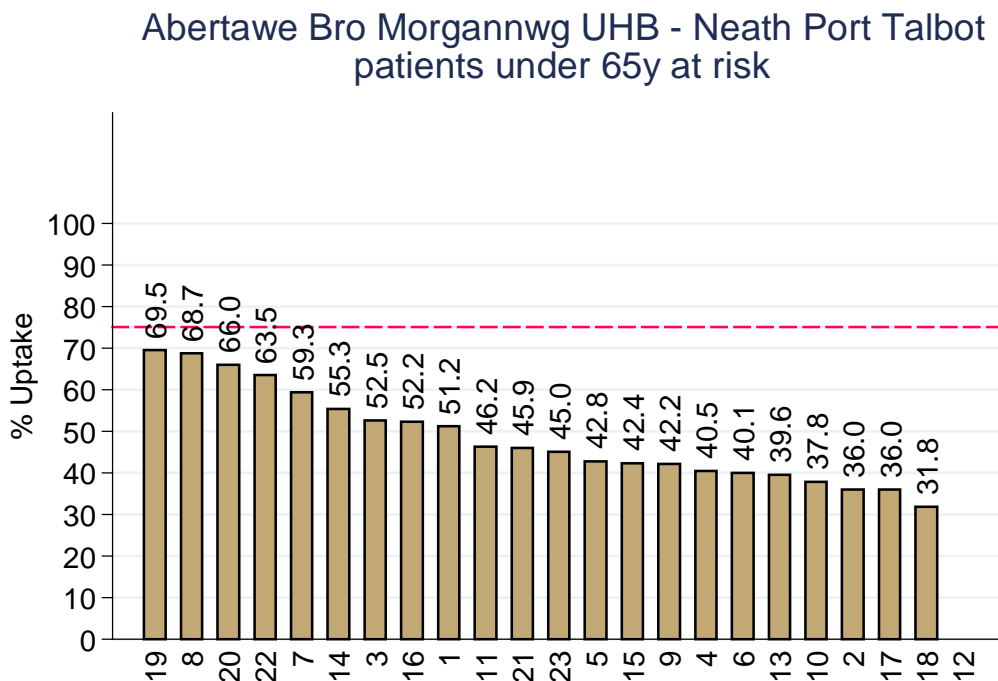


Table 4. Practice level influenza immunisation uptake data for General Practices within Swansea Local Authority.

Local Authority	Practice code	Patients 65y and over			Patients under 65y at risk		
		(n)	Immunised		(n)	Immunised	
			(n)	(%)		(n)	(%)
Swansea	4	1020	777	76.2	305	167	54.8
Swansea	34	24	18	75.0	526	224	42.6
Swansea	27	484	360	74.4	621	294	47.3
Swansea	18	661	487	73.7	508	265	52.2
Swansea	19	1847	1360	73.6	497	285	57.3
Swansea	16	452	327	72.3	223	121	54.3
Swansea	22	1069	764	71.5	687	347	50.5
Swansea	32	1388	984	70.9	1323	573	43.3
Swansea	2	960	678	70.6	507	295	58.2
Swansea	5	849	595	70.1	575	308	53.6
Swansea	14	1093	763	69.8	742	337	45.4
Swansea	17	253	175	69.2	200	131	65.5
Swansea	1	1327	915	69.0	740	416	56.2
Swansea	3	2567	1736	67.6	1278	683	53.4
Swansea	24	2008	1339	66.7	721	340	47.2
Swansea	26	2523	1679	66.5	613	223	36.4
Swansea	12	2099	1387	66.1	1082	558	51.6
Swansea	20	1171	772	65.9	765	381	49.8
Swansea	28	1133	743	65.6	832	348	41.8
Swansea	25	1488	970	65.2	1163	550	47.3
Swansea	9	1666	1068	64.1	734	281	38.3
Swansea	7	552	351	63.6	494	259	52.4
Swansea	8	2195	1393	63.5	891	317	35.6
Swansea	23	1423	883	62.1	962	398	41.4
Swansea	10	1456	903	62.0	969	374	38.6
Swansea	36	1245	764	61.4	732	380	51.9
Swansea	13	1353	829	61.3	761	305	40.1
Swansea	15	673	410	60.9	753	324	43.0
Swansea	35	288	174	60.4	183	76	41.5
Swansea	30	2067	1247	60.3	1171	536	45.8
Swansea	31	4857	2910	59.9	1903	659	34.6
Swansea	21	1551	914	58.9	697	312	44.8
Swansea	6	362	198	54.7	376	216	57.4
Swansea	29	1497	794	53.0	971	428	44.0
Swansea	33	1187	583	49.1	423	182	43.0

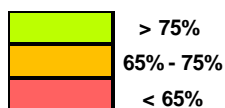


Figure 8. Practice level influenza immunisation uptake data for General Practices within Swansea Local Authority (patients aged 65 years and over).

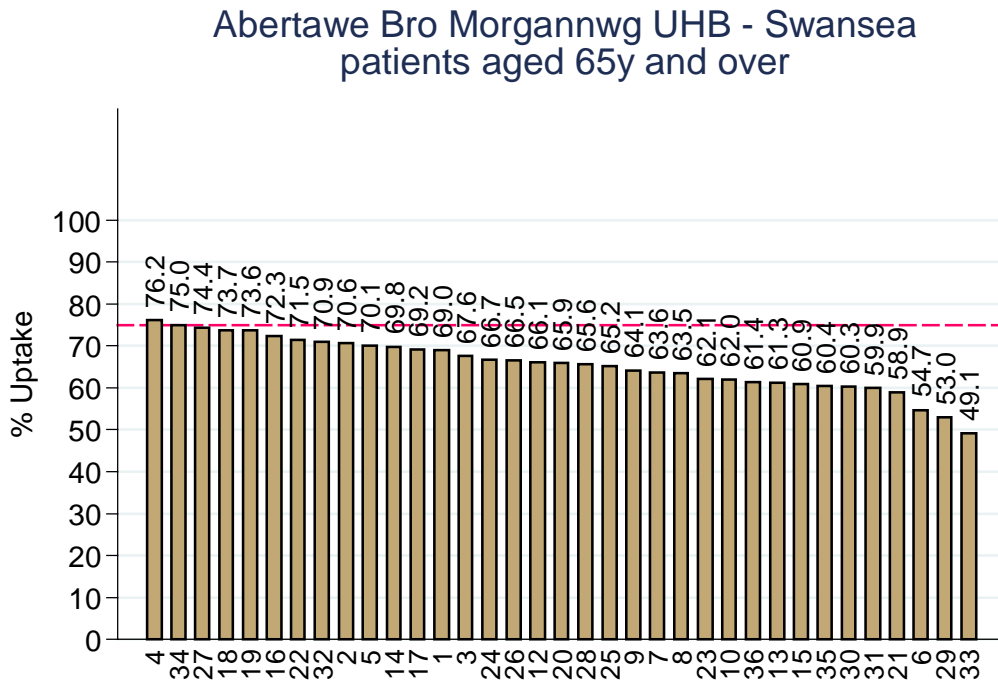


Figure 9. Practice level influenza immunisation uptake data for General Practices within Swansea Local Authority (at risk patients aged under 65 years).

