



**GIG**  
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Iechyd Cyhoeddus  
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Public Health  
Wales

# **Public Health Wales Vaccine Preventable Disease Programme**

## **Uptake of Seasonal Influenza Vaccination – HB specific reports**

**Abertawe Bro Morgannwg University  
HB**

**2010/2011**

## 1. Background

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

In Wales in 2010/11, free seasonal influenza immunisation was offered to all people aged 65 years and over, people aged 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, immunosuppression, and pregnant women), residents of long-stay care homes, and those who were the main carer for an elderly or disabled person whose welfare may be at risk if the carer fell ill.

For the 2010/11 seasonal influenza immunisation campaign the national uptake target was raised to the WHO uptake target of 75% in recommended groups. For the 2010/11 season a 75% uptake target was also put in place for those younger than 65 years in 'at-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 12<sup>th</sup> April 2011, 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.**

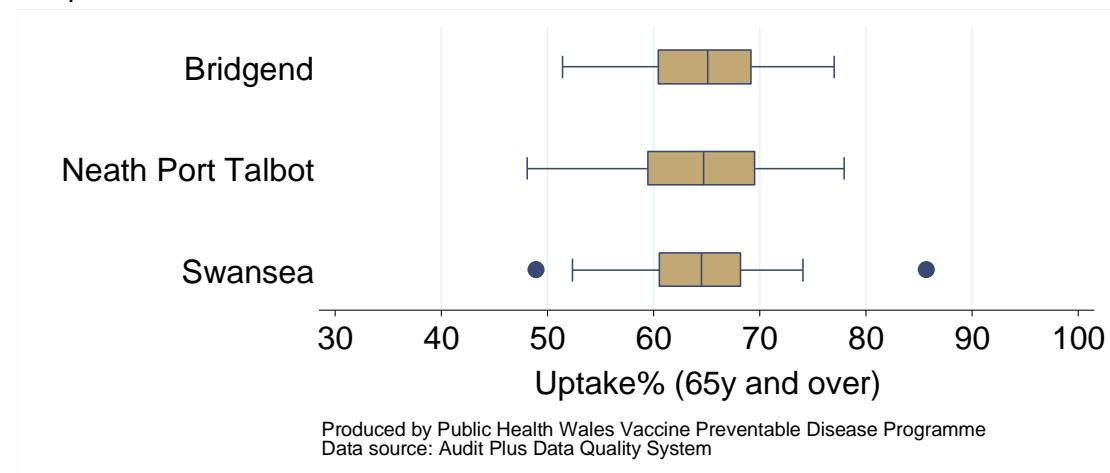
**Table 1.** Summary data for Abertawe Bro Morgannwg Local Authorities.

Patients aged 65y and over						
	Practices achieving 75%	Practices not submitting	Total practices	Lowest practice uptake (%)	Highest practice uptake (%)	Overall LA uptake (%)
Bridgend	3	0	19	51.4	77.0	67.3
Neath Port Talbot	1	0	23	48.1	77.9	63.6
Swansea	1	1	35	49.0	85.7	64.0
<b>ABM total</b>	<b>5</b>	<b>1</b>	<b>77</b>	<b>48.1</b>	<b>85.7</b>	<b>64.8</b>

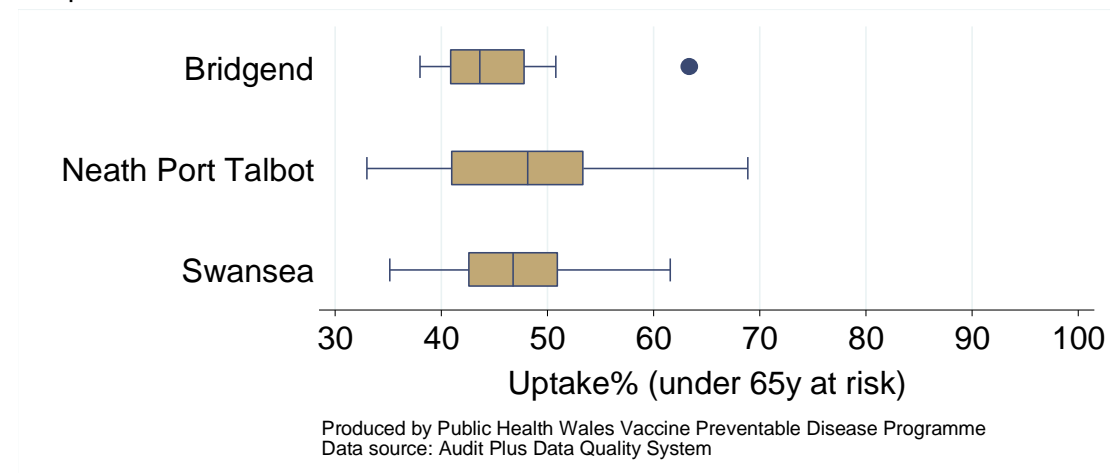
  

Patients aged under 65y at risk						
	Practices achieving 75%	Practices not submitting	Total practices	Lowest practice uptake (%)	Highest practice uptake (%)	Overall LA uptake (%)
Bridgend	0	0	19	38.0	63.4	44.8
Neath Port Talbot	0	0	23	33.0	68.9	46.4
Swansea	0	1	35	35.1	61.5	45.7
<b>ABM total</b>	<b>0</b>	<b>1</b>	<b>77</b>	<b>33.0</b>	<b>68.9</b>	<b>45.6</b>

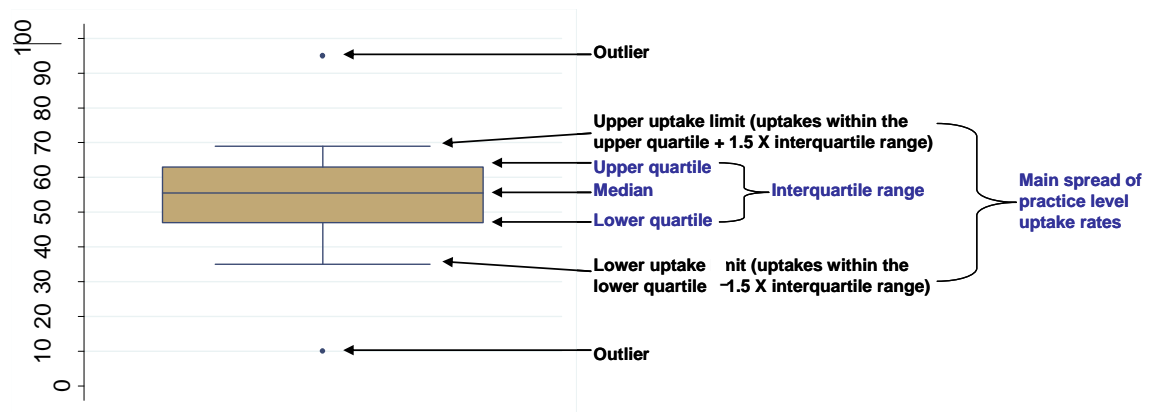
**Figure 1.** Box and whisker plot showing distributions of practice seasonal influenza immunisation uptake rates (patients aged 65y and over). See page 4 for notes on interpretation.



**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.

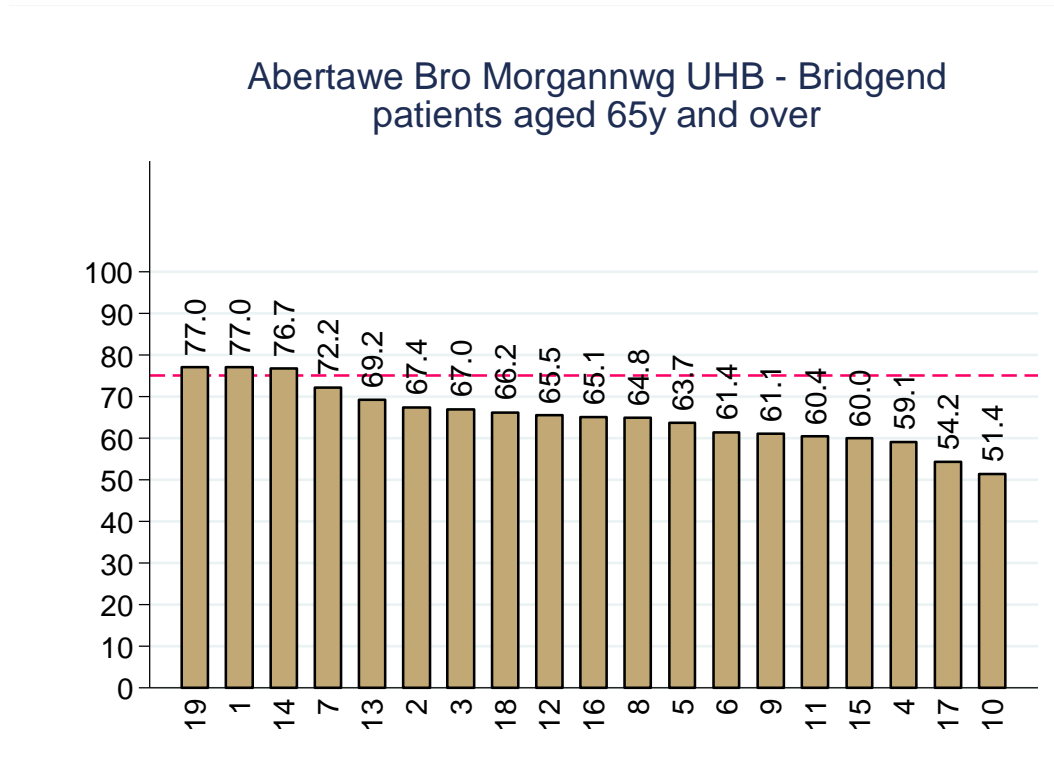
### 3. Practice level data

**Table 2.** Practice level influenza immunisation uptake data for General Practices within Bridgend Local Authority.

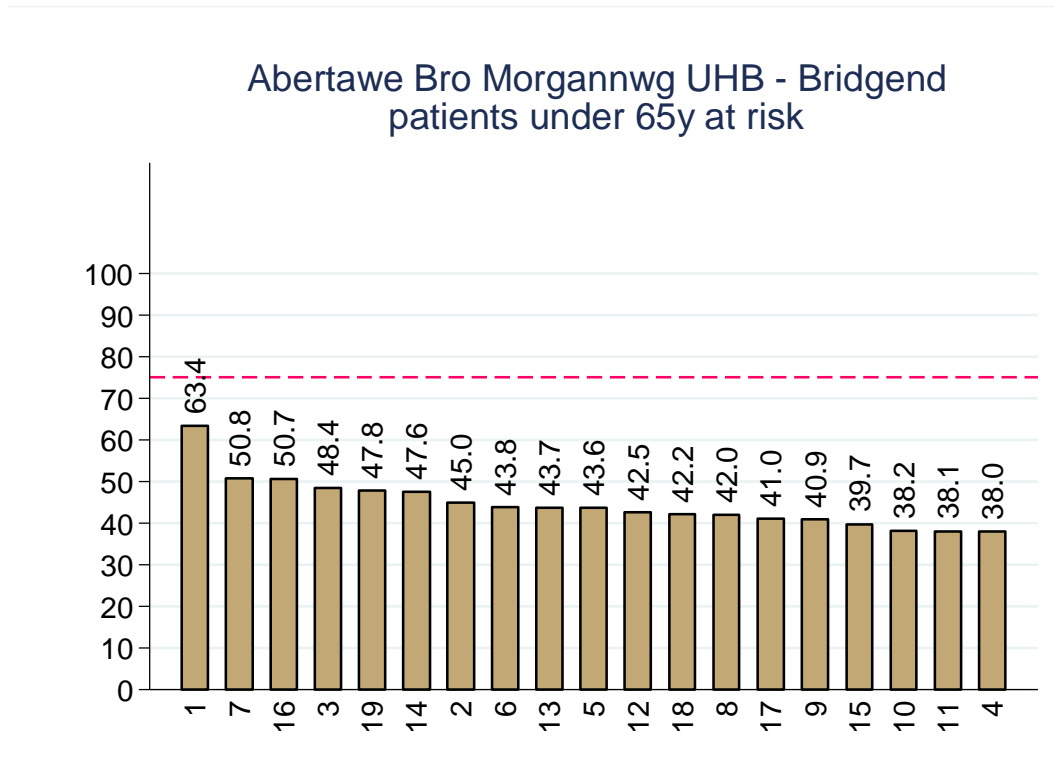
Local Authority	Practice code	Patients 65y and over			Patients under 65y at risk		
		(n)	Immunised		(n)	Immunised	
			(n)	(%)		(n)	(%)
Bridgend	19	2953	2274	77.0	1976	944	47.8
Bridgend	1	951	732	77.0	565	358	63.4
Bridgend	14	1399	1073	76.7	788	375	47.6
Bridgend	7	3746	2704	72.2	1489	756	50.8
Bridgend	13	757	524	69.2	561	245	43.7
Bridgend	2	1667	1124	67.4	1012	455	45.0
Bridgend	3	678	454	67.0	159	77	48.4
Bridgend	18	1761	1165	66.2	1115	470	42.2
Bridgend	12	3044	1993	65.5	1535	653	42.5
Bridgend	16	1237	805	65.1	689	349	50.7
Bridgend	8	1700	1102	64.8	1150	483	42.0
Bridgend	5	1673	1065	63.7	1288	562	43.6
Bridgend	6	1168	717	61.4	1020	447	43.8
Bridgend	9	607	371	61.1	389	159	40.9
Bridgend	11	834	504	60.4	872	332	38.1
Bridgend	15	587	352	60.0	478	190	39.7
Bridgend	4	1281	757	59.1	745	283	38.0
Bridgend	17	531	288	54.2	212	87	41.0
Bridgend	10	700	360	51.4	516	197	38.2

	> 75%
	65% - 75%
	< 65%

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

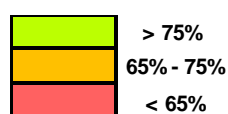


**Figure 5.** Practice level influenza immunisation uptake data for General Practices within Bridgend Local Authority (at risk patients aged under 65 years).

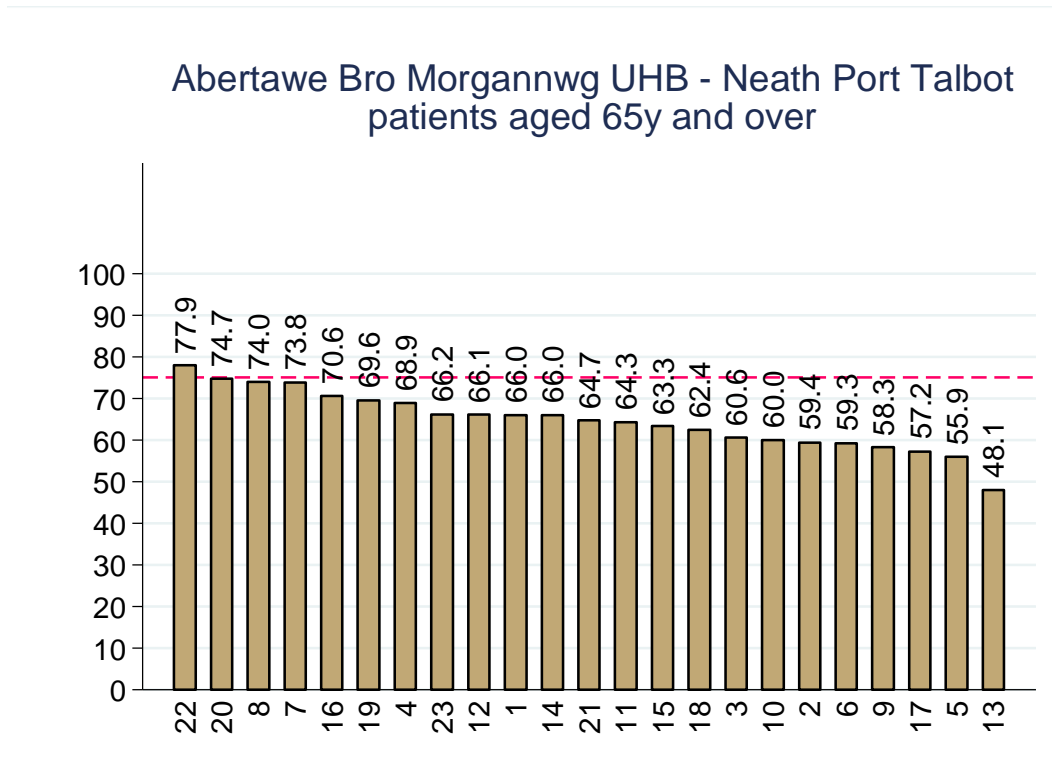


**Table 3.** Practice level influenza immunisation uptake data for General Practices within Neath Port Talbot Local Authority.

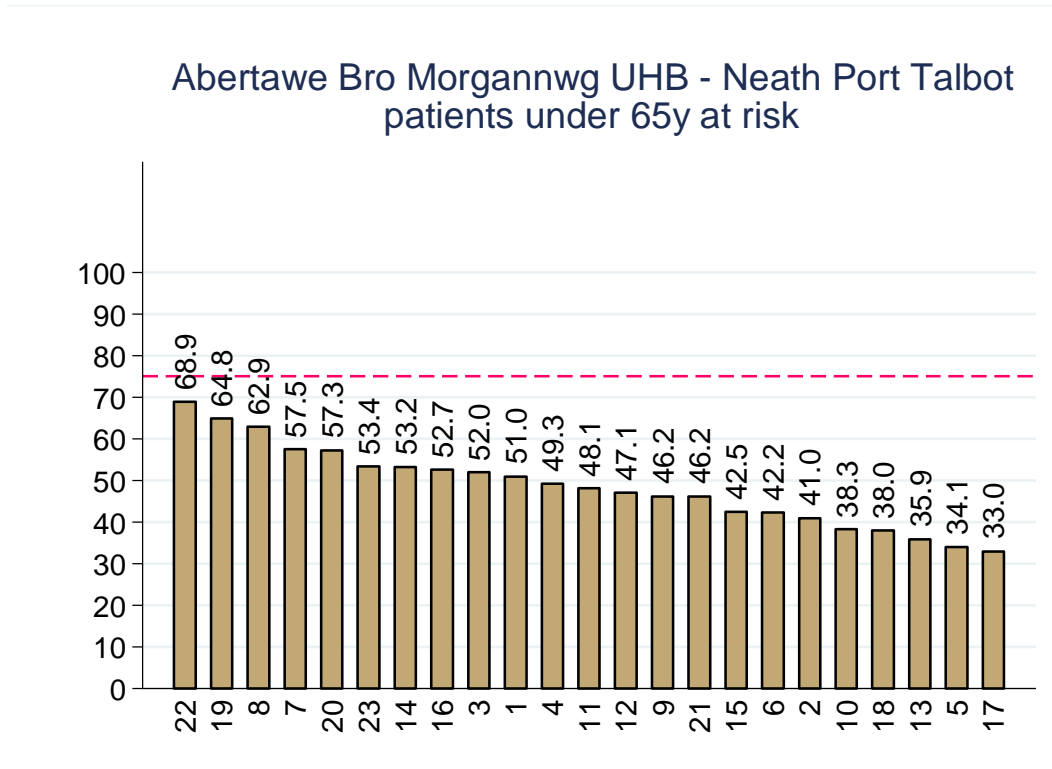
Local Authority	Practice code	Patients 65y and over			Patients under 65y at risk		
		(n)	Immunised		(n)	Immunised	
			(n)	(%)		(n)	(%)
Neath Port Talbot	22	607	473	77.9	421	290	68.9
Neath Port Talbot	20	632	472	74.7	468	268	57.3
Neath Port Talbot	8	146	108	74.0	202	127	62.9
Neath Port Talbot	7	1816	1341	73.8	941	541	57.5
Neath Port Talbot	16	1137	803	70.6	733	386	52.7
Neath Port Talbot	19	424	295	69.6	273	177	64.8
Neath Port Talbot	4	704	485	68.9	485	239	49.3
Neath Port Talbot	23	1247	825	66.2	727	388	53.4
Neath Port Talbot	12	1987	1313	66.1	1207	568	47.1
Neath Port Talbot	1	2156	1424	66.0	1171	597	51.0
Neath Port Talbot	14	377	249	66.0	355	189	53.2
Neath Port Talbot	21	938	607	64.7	723	334	46.2
Neath Port Talbot	11	1765	1135	64.3	958	461	48.1
Neath Port Talbot	15	1232	780	63.3	711	302	42.5
Neath Port Talbot	18	2027	1265	62.4	1159	440	38.0
Neath Port Talbot	3	71	43	60.6	125	65	52.0
Neath Port Talbot	10	1771	1063	60.0	1016	389	38.3
Neath Port Talbot	2	1866	1109	59.4	1128	462	41.0
Neath Port Talbot	6	400	237	59.3	277	117	42.2
Neath Port Talbot	9	616	359	58.3	290	134	46.2
Neath Port Talbot	17	1707	977	57.2	907	299	33.0
Neath Port Talbot	5	683	382	55.9	511	174	34.1
Neath Port Talbot	13	1852	890	48.1	838	301	35.9



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



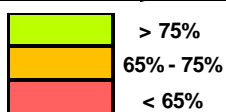
**Figure 7.** Practice level influenza immunisation uptake data for General Practices within Neath Port Talbot Local Authority (at risk patients aged under 65 years).



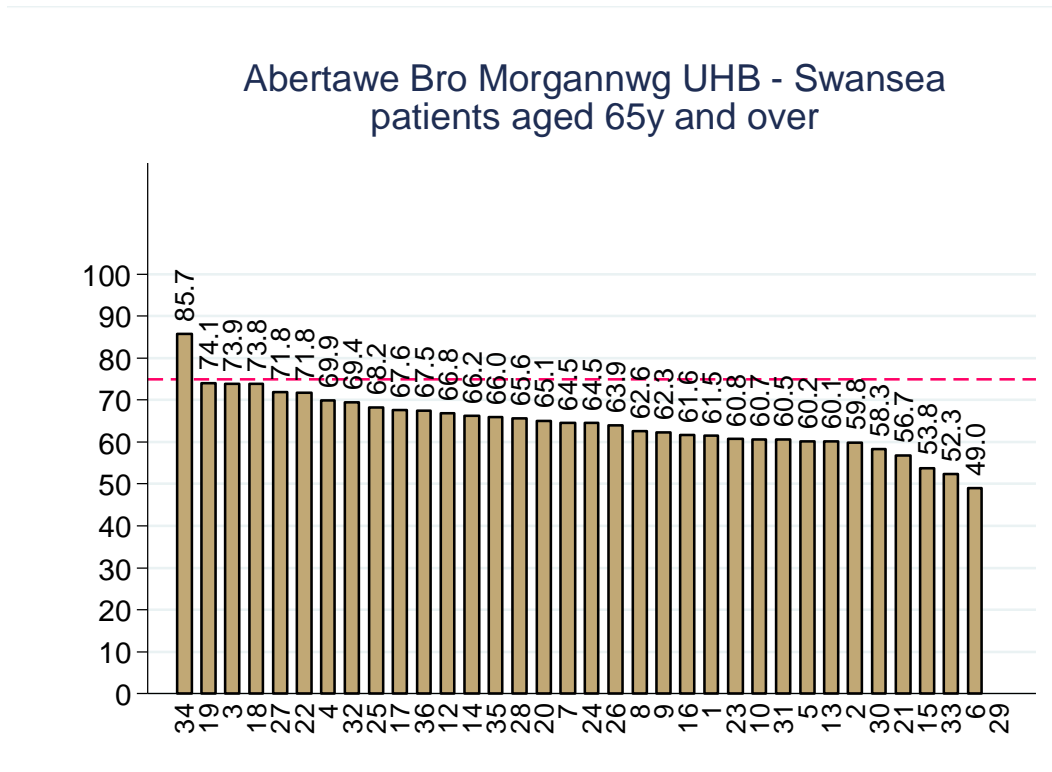
**Table 4.** Practice level influenza immunisation uptake data for General Practices within Swansea Local Authority.



Local Authority	Practice code	Patients 65y and over			Patients under 65y at risk		
		(n)	Immunised		(n)	Immunised	
			(n)	(%)		(n)	(%)
Swansea	34	14	12	85.7	501	194	38.7
Swansea	19	1701	1260	74.1	540	322	59.6
Swansea	3	2364	1747	73.9	1277	630	49.3
Swansea	18	584	431	73.8	475	242	50.9
Swansea	27	447	321	71.8	601	256	42.6
Swansea	22	992	712	71.8	649	313	48.2
Swansea	4	965	675	69.9	324	148	45.7
Swansea	32	1316	913	69.4	1242	563	45.3
Swansea	25	1386	945	68.2	1076	539	50.1
Swansea	17	253	171	67.6	198	112	56.6
Swansea	36	1181	797	67.5	735	367	49.9
Swansea	12	1954	1305	66.8	1002	575	57.4
Swansea	14	1142	756	66.2	714	339	47.5
Swansea	35	288	190	66.0	150	78	52.0
Swansea	28	1075	705	65.6	781	376	48.1
Swansea	20	1183	770	65.1	796	409	51.4
Swansea	7	544	351	64.5	495	255	51.5
Swansea	24	1830	1180	64.5	738	318	43.1
Swansea	26	2560	1636	63.9	601	240	39.9
Swansea	8	2064	1292	62.6	897	342	38.1
Swansea	9	1571	979	62.3	757	303	40.0
Swansea	16	487	300	61.6	252	105	41.7
Swansea	1	1213	746	61.5	763	363	47.6
Swansea	23	1386	842	60.8	980	384	39.2
Swansea	10	1497	908	60.7	909	361	39.7
Swansea	31	4538	2747	60.5	1921	675	35.1
Swansea	5	766	461	60.2	535	267	49.9
Swansea	13	1277	767	60.1	792	341	43.1
Swansea	2	1038	621	59.8	525	272	51.8
Swansea	30	1929	1125	58.3	1101	494	44.9
Swansea	21	1479	839	56.7	678	308	45.4
Swansea	15	658	354	53.8	649	278	42.8
Swansea	33	1047	548	52.3	432	199	46.1
Swansea	6	335	164	49.0	312	192	61.5
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).

