



GPCLUSTER PROFILES:

Hywel Dda HB



A **technical guide** explaining the data sources and methods used in this profile, plus **interactive spreadsheets** providing the data in charts and tables, are available at:

www.publichealthwalesobservatory.wales.nhs.uk/gpclusters

www.arsvllfaiechvdcvhoedduscvmru.wales.nhs.uk/clvstvrauofeddvgonteulu

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1 Background and aim

Together for Health,¹ the strategy for health care in Wales, places primary and community services at the heart of health care delivery. The strategy emphasises the importance of prevention, early diagnosis and high quality services, with patient feedback as a key driver for continuous service improvement.

This approach progresses the vision described in *Setting the Direction*,² the Primary and Community Services Strategic Delivery Programme. This identified the key role for primary care services in creating a more sustainable health and social care model for the future, with less reliance on institutional forms of care.

A key element of this service model is locality networking, where local services work collaboratively to inform service planning and are responsible for delivery within a population of 30,000 to 50,000 patients. Health boards in Wales have worked with general practitioners (GPs) to identify groupings known officially as GP clusters. GPs in the clusters play a key role in supporting the ongoing work of a locality network (in some areas these are known as neighbourhood networks). GP clusters are charged with working together and with partners to meet local need. This has been made possible by the Quality and Outcomes Framework Quality and Productivity approach, enabling GPs and their teams to review the care of their own patients and work with cluster colleagues to understand and improve local systems of care.

Access to high quality information is essential to ensure that this developing agenda can proceed with pace. These profiles aim to support GP clusters by providing information on a number of key indicators in relation to their registered populations. They are designed to provide an overview of key characteristics allowing comparison with other clusters in their health board and Wales. Section 2 provides further information together with a rationale for the inclusion of each indicator.

2 Indicators

The 'reach' of the cluster

This term is used to refer to the cluster's geographical coverage in terms of where registered patients reside. Clusters do not have specific geographical confines, however the cluster needs to work in partnership with other health and social care agencies as described in *Setting the Direction*, who are confined to administrative, geographical boundaries such as a local authority or health board. Understanding the reach of the cluster will reveal the extent to which the combined registered population is drawn from across these administrative boundaries. This in turn will help the cluster decide who it may need to establish partnerships with. The profiles include a 'reach map' for each cluster showing the percentage of the population in each lower super output area (LSOA) registered with practices in the cluster. In some rural areas, LSOAs may be geographically large, meaning that the reach of the cluster may appear wider than it actually is.

Age and sex breakdown

The age and sex composition of the cluster's patients is an important determinant of the level of need for health care. Older persons are disproportionately affected by chronic conditions. The Welsh Health Survey³ reported that 82 per cent of respondents aged 65 years and over suffered from a chronic condition, of whom 54 per cent suffered from two or more. If current trends continue the number of people living with chronic conditions will continue to increase in the future, with people living longer and developing more than one

chronic condition.⁴ The profiles include a breakdown of the cluster's patients by age and sex, comparing the cluster with the health board average.

Deprivation

The link between deprivation and poor health is well recognised. People in the most deprived areas have higher levels of mental illness, hearing and sight problems, and long-term conditions, particularly chronic respiratory diseases, cardiovascular diseases and arthritis. The Public Health Wales Observatory has reported that healthy life expectancy in males is 19 years lower in the most deprived areas of Wales compared with the least deprived areas; in females the gap is 18 years. The phenomenon known as the *Inverse Care Law*, where the provision of care is inversely related to population need, has been shown to compound these inequities. It is therefore important to bear in mind the socioeconomic characteristics of the cluster's patients when considering the planning and delivery of primary care. For each cluster the profiles show the proportion of its patients who reside in each fifth of deprivation as measured by the Welsh Index of Multiple Deprivation 2011.

Rurality

Population age structures in rural areas are older and often this is compounded by outward migration of younger people and inward migration of older people. Current projections indicate that the increase in the proportion of older people will be greater in rural areas. This will have a significant impact on local service needs and support systems across health and social care. As well as having an older age structure, the population in rural areas is by definition more dispersed leading to difficulties in respect of access to, or the provision of, services. In addition, primary care services are presented with challenges in respect of integrating the services provided for the individual, some of which are NHS based with the remainder emanating from local government. Travelling distances for health and social care staff limit time spent engaged in direct patient contact. This creates tensions between outreach services, which aim to deliver greater access for patients, and centralisation of services which deliver maximum patient contact. The profiles include summary information using the Office for National Statistics (ONS) rural/urban definition and a modelled private transport based travel time analysis based on distance to registered main practice.

Burden of chronic disease

The Welsh Government has reported that managing and treating people with chronic conditions is placing increasing pressures on the National Health Service (NHS) and other public services.⁴ This is particularly true of GP and hospital services, where there is an impact on emergency admissions, length of stay in hospital, quality of patient care and waiting times across the board.

The Welsh Government has quantified the extent of chronic conditions on the population in Wales:⁴

- one third of adults in Wales (an estimated 800,000) reported having at least one chronic condition;
- of people aged over 65 in Wales, two thirds reported having at least one chronic condition, and one third had multiple chronic conditions; and
- over three-quarters of people aged over 85 in Wales reported having a limiting longterm illness.

If current trends continue, the number of people living with chronic conditions will increase with people living longer and developing more than one chronic condition.

Those conditions with high numbers of emergency admissions across Wales that could be reduced through enhanced community care include:⁹

- chronic obstructive pulmonary disease, asthma, chest infections;
- angina, heart failure, hypertension;
- epilepsy, convulsions; and
- diabetes with complications.

The profiles include information on the recorded burden of disease for a modified set of conditions based on data quality and availability:

- chronic obstructive pulmonary disease;
- asthma;
- coronary heart disease;
- heart failure;
- hypertension;
- epilepsy; and
- diabetes.

3 Guide to using the GP cluster profile

The summary (section 5) provides an overview of the GP clusters within Hywel Dda Health Board, in terms of their demographic characteristics and chronic condition registers.

For more detailed information see section 6, where each of the GP clusters is covered individually. A brief guide to interpreting this information is provided at the beginning of the section.

Details of the methods used to produce the information within this profile can be found in the <u>technical quide</u>.

It should be noted that GP clusters do not have physical boundaries since they are based on grouped practice lists rather than grouped residential areas. As a result, information produced for GP clusters cannot directly be compared to information produced for geographically-based boundaries such as local authorities or super output areas.

4 Your feedback and future work

This is the first time that demographic and chronic condition indicators have been presented at the GP cluster level and it is envisaged that ongoing work will be required to support these new entities. In order to assist with this the Observatory would like to gather views on this product as it is recognised that it may stimulate further ideas from the users on what information would support the GP clusters.

Feedback may be left via the Observatory Inbox: publichealthwalesobservatory@wales.nhs.uk

Later in the summer (2013) with the help of project board members, we aim to undertake an evaluation of the profiles. Feedback from users working in health boards and in primary care will be crucial.

5 Summary

5.1 Demographic characteristics of clusters

Table 1 shows that there are seven clusters operating within the health board, with total list sizes ranging from 48,050 (South Ceredigion) to 63,560 (North Pembrokeshire).

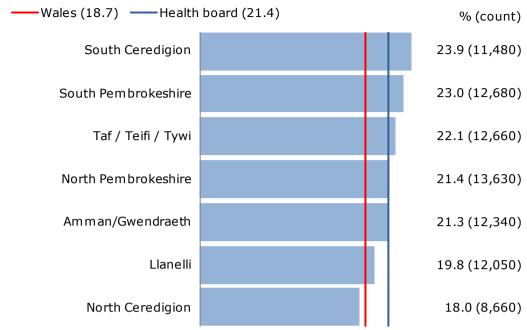
Table 1: Number of practices and total list size, GP clusters in Hywel Dda HB, 2012

GP cluster	No. of practices	Total list size*
Amman/Gwendraeth	8	57,790
Llanelli	8	60,960
North Ceredigion	8	48,080
North Pembrokeshire	9	63,560
South Ceredigion	8	48,050
South Pembrokeshire	6	55,140
Taf / Teifi / Tywi	8	57,160
Health Board	55	390,750
Wales	474	3,174,670

^{*}Rounded to nearest 10 for ease of reading

Older people

Figure 1: Percentage of patients aged 65+, GP clusters in Hywel Dda HB, 2012



Produced by Public Health Wales Observatory, using WDS (NWIS)

Figure 2: Percentage of patients aged 85+, GP clusters in Hywel Dda HB, 2012

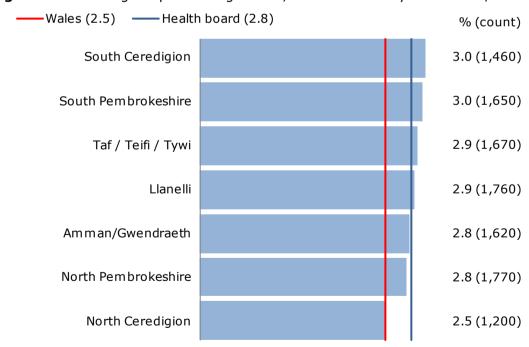
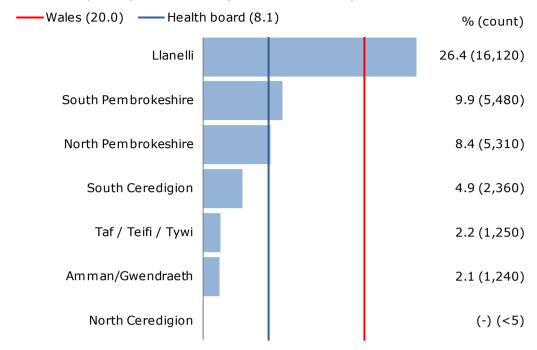


Figure 3: Percentage of patients living in the most deprived fifth of areas in Wales (using Welsh Index of Multiple Deprivation 2011), GP clusters in Hywel Dda HB, 2012

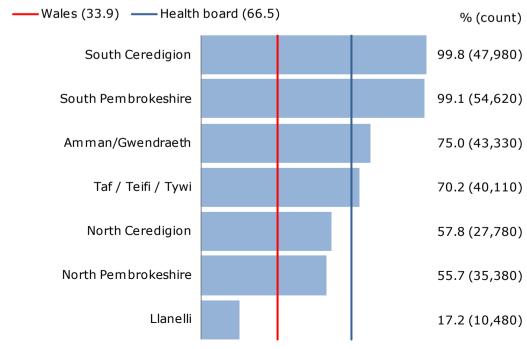


Produced by Public Health Wales Observatory, using WDS (NWIS), WIMD (WG)

Deprivation in the resident population across the health board is shown at LSOA level in figure 5.

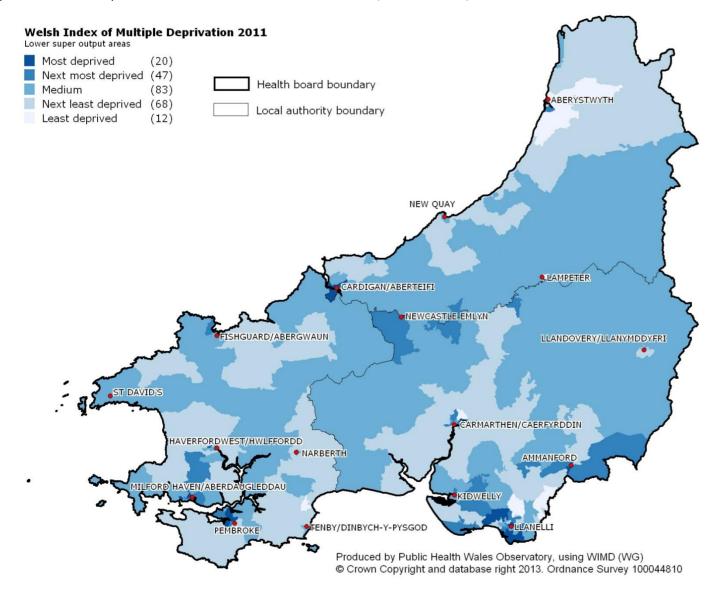
Rurality

Figure 4: Percentage of patients living in areas classified as rural (using 2004 Office for National Statistics definition), GP clusters in Hywel Dda HB, 2012



Produced by Public Health Wales Observatory, using WDS (NWIS), rural/urban classification 2004 (ONS)

Figure 5: LSOA deprivation fifths within health board area, WIMD 2011, all residents



5.2 **Chronic condition registers**

Tables 2 to 4 use data from the Audit+ data repository to show the chronic condition registers within GP clusters across the health board. Data is submitted to Audit+ on a voluntary basis and only three practices in Wales have opted out of installing the Audit + software. For more information on this see the technical guide. There are some technical and organisational issues that mean that we have not been able to collect data from all practices even if the software is installed. On average, the repository receives around a 90 percent return rate from all the practices that have installed Audit+. The composition of practices submitting data does vary from submission to submission. Within this health board data are not included for three practices with a total list size of 31,700[†]. This data source is only used to support the disease burden sections.

It should be noted that these figures can only report on cases of those conditions which have been diagnosed and recorded. For example, there will be a certain number of undiagnosed cases of diabetes or hypertension within all practice populations. This has two key implications:

- The information presented is more likely to underestimate than overestimate the 'true' prevalence of the conditions within the GP cluster.
- A higher number of patients on the register may reflect greater efforts on the behalf of GPs within the cluster to identify patients with the condition.

The technical guide provides further information about the strengths and weaknesses of Audit+ data.

Table 2 shows the actual number of patients on selected chronic condition registers. This information, together with the percentage of patients on each register (see table 3), is clearly useful for service planning purposes.

Table 2: Number of patients on selected chronic condition registers, GP clusters in Hywel Dda HB, 2012

	Number of GP cluster patients on register*									
GP cluster	Asthma	Hypertension	CHD	COPD	Diabetes	Epilepsy	Heart Failure			
Amman/Gwendraeth	4,430	9,510	3,040	1,490	3,590	500	590			
Llanelli	3,970	9,340	2,900	1,120	3,660	450	540			
North Ceredigion	2,260	5,410	1,380	580	1,620	260	430			
North Pembrokeshire	3,290	8,670	1,970	1,120	2,570	360	590			
South Ceredigion	3,080	8,640	2,140	920	2,560	330	450			
South Pembrokeshire	2,860	7,150	1,950	950	2,490	340	430			
Taf / Teifi / Tywi	3,890	9,240	2,390	920	3,100	430	520			
Health Board	23,760	57,970	15,780	7,090	19,580	2,680	3,550			
Wales	206,430	474,760	124,460	64,820	161,470	22,490	28,680			

^{*}Rounded to nearest 10 for ease of reading

^{*} Rounded to nearest 100 for ease of reading

Table 3 shows the percentage of patients on selected registers in each GP cluster. The data is <u>not age-standardised</u>, so clusters with higher proportions of older patients would be expected to have higher percentages of patients with conditions associated with old age. The data therefore shows the recorded burden of disease within each cluster, without taking the age profiles of different clusters into account.

Table 3: Percentage of patients on selected chronic condition registers, GP clusters in Hywel Dda HB, 2012, <u>to indicate the recorded burden of disease across clusters</u>

	Percentage of GP cluster patients on register									
GP cluster	Asthma	Hypertension	CHD	COPD	Diabetes	Epilepsy	Heart Failure			
Amman/Gwendraeth	7.7	16.4	5.3	2.6	6.2	0.9	1.0			
Llanelli	6.5	15.3	4.7	1.8	6.0	0.7	0.9			
North Ceredigion	5.7	13.6	3.5	1.5	4.1	0.7	1.1			
North Pembrokeshire	6.7	17.8	4.0	2.3	5.3	0.7	1.2			
South Ceredigion	6.4	17.9	4.4	1.9	5.3	0.7	0.9			
South Pembrokeshire	6.3	15.7	4.3	2.1	5.5	0.7	0.9			
Taf / Teifi / Tywi	6.8	16.1	4.2	1.6	5.4	0.8	0.9			
Health Board	6.6	16.2	4.4	2.0	5.5	0.7	1.0			
Wales	6.7	15.3	4.0	2.1	5.2	0.7	0.9			

Produced by Public Health Wales Observatory, using Audit+ (NWIS)

Table 4 shows the age-standardised percentage of patients on selected registers in each GP cluster. This enables comparisons of recorded disease burden to be made across GP clusters having taken their different age profiles into account.

Table 4: Age-standardised percentage of patients on selected chronic condition registers , GP clusters in Hywel Dda HB, 2012, <u>to indicate the relative burden of recorded disease across clusters having taken age into account</u>

	Age-standardised percentage of GP cluster patients on register										
GP cluster	Asthma	Hypertension	CHD	COPD	Diabetes	Epilepsy	Heart Failure				
Amman/Gwendraeth	7.1	10.6	3.0	1.6	4.2	0.8	0.6				
Llanelli	6.0	10.6	2.9	1.2	4.4	0.7	0.5				
North Ceredigion	5.5	10.4	2.3	1.1	3.2	0.6	0.7				
North Pembrokeshire	6.6	11.3	2.2	1.4	3.5	0.7	0.6				
South Ceredigion	5.9	10.5	2.3	1.1	3.3	0.6	0.4				
South Pembrokeshire	6.0	9.6	2.3	1.2	3.6	0.7	0.5				
Taf / Teifi / Tywi	6.5	9.9	2.2	0.9	3.5	0.7	0.5				
Health Board	6.3	10.4	2.5	1.2	3.7	0.7	0.5				
Wales	6.4	11.1	2.6	1.4	3.9	0.7	0.6				

6 Information for individual GP clusters

In this section, information is provided for each of the GP clusters within Hywel Dda HB in turn. Details of the methods used to produce this information, along with visual guides to interpretation of charts/maps, can be found in the <u>technical guide</u>.

Notes for interpretation

Geographical 'reach' maps

The areas shaded on the map are called 'Lower Super Output Areas' (LSOAs). These are geographically-defined areas used to show statistical information, with an average population of around 1,500. Each LSOA is shaded according to the percentage of its population that is registered with the GP cluster in question. In some rural areas, LSOAs may be geographically large, meaning that the reach of the cluster may appear wider than it actually is.

Age/sex breakdown

The horizontal bars show the percentage of patients within each age/sex category. The shaded element shows the GP cluster percentage, with the outline providing the comparative health board percentages.

• Deprivation charts

The horizontal bars show the percentage of patients within each deprivation fifth, along with the actual number of people in brackets.

The vertical dotted lines show the comparative percentage of the overall health board registered population within each fifth.

Rurality charts

The horizontal bars show the percentage of patients within each rural/urban category, along with the actual number of people in brackets.

The vertical dotted lines show the comparative percentage of the overall health board registered population within each category.

Chronic condition registers tables/charts

There are two sections to this graphic:

1. Actual recorded burden of disease

This is the percentage of the GP cluster's patients who are on the chronic condition registers. These numbers are <u>not age-standardised</u>, so clusters with higher proportions of older people would be expected to have higher percentages of people with conditions associated with old age. The data therefore shows the actual recorded burden of disease within each cluster, rather than the relative level of disease across clusters.

2. Adjusted recorded burden of disease

This shows the variation of GP cluster values for each condition after standardisation, to adjust for different age structures, and normalisation to allow plotting of different conditions on a single scale. As such it is not possible to make magnitude comparisons between conditions, for this the actual age-standardised rates can be seen in table 4. Within a particular condition, the chart shows whether the cluster is higher or lower than its peers and also whether it is in the middle 50 per cent of values in Wales.

6.1 Amman/Gwendraeth

Geographical 'reach' map

The map fits better on a landscape page and has therefore been inserted on the next page.

Age/sex breakdown of population

Figure 6: Percentage of patients by age and sex (with actual GP cluster counts shown next to bars), showing Amman/Gwendraeth GP cluster and Hywel Dda HB for comparison, 2012

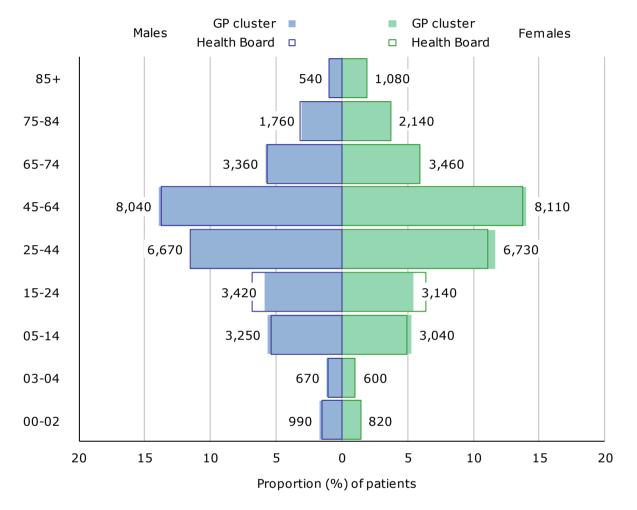
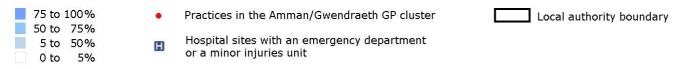
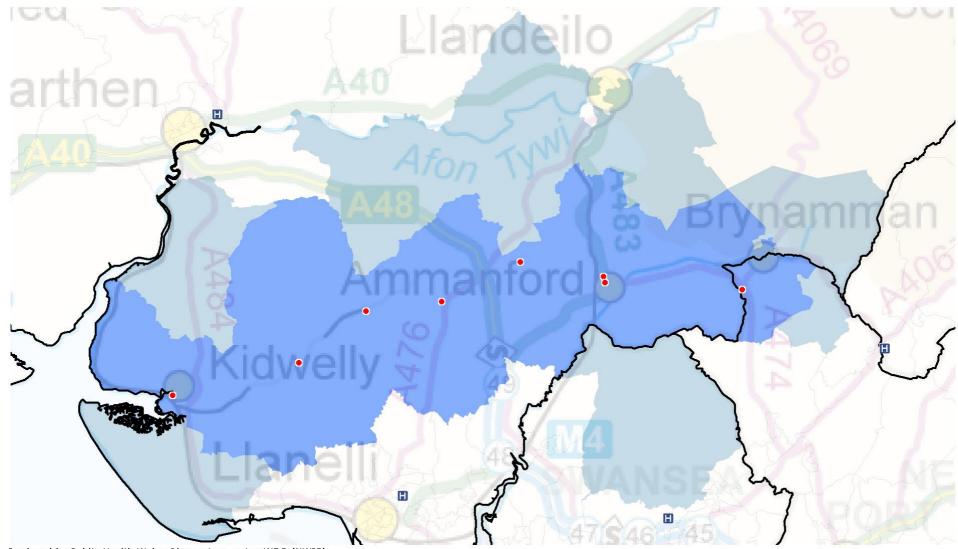


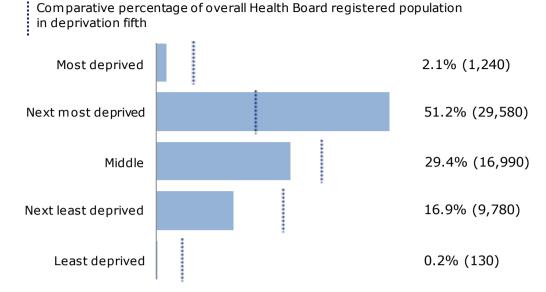
Figure 7: Percentage of population registered with practices in the Amman/Gwendraeth GP cluster, 2012





Produced by Public Health Wales Observatory, using WDS (NWIS)
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Figure 8: Percentage of patients (with count in brackets) by deprivation fifth in Amman/Gwendraeth GP cluster, showing Hywel Dda HB for comparison, 2012



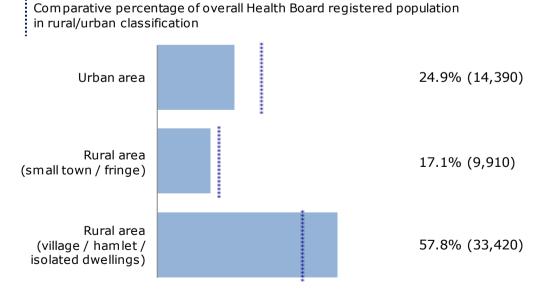
Produced by Public Health Wales Observatory, using WDS (NWIS), WIMD (WG)

N.B. Chart omits 70 patients with postcodes that could not be matched to an area of residence and therefore could not be classified

Rurality

i) Office for National Statistics rural/urban classification

Figure 9: Percentage of patients (with count in brackets) by rural/urban classification in Amman/Gwendraeth GP cluster, showing Hywel Dda HB for comparison, 2012



Produced by Public Health Wales Observatory, using WDS (NWIS), 2004 rural/urban definition (ONS)

N.B. Chart omits 70 patients with postcodes that could not be matched to an area of residence and therefore could not be classified

ii) Time taken to drive to registered practice

Table 5: Modelled percentage of patients living within specified driving times to their registered main practice in Amman/Gwendraeth GP cluster

Time band (Minutes)	Number registered	Percentage
Less than 5	20,650	35.7
5 or more, less than 10	24,930	43.1
10 or more, less than 15	9,740	16.9
15 and over	2,400	4.2
*Unmatched postcode	70	0.1
Total†	57,790	

Produced by Public Health Wales Observatory, using WDS (NWIS), MapInfo Drivetime

Chronic condition registers

Figure 10: Recorded and adjusted recorded burden of disease in Amman/Gwendraeth GP cluster, showing other GP clusters in Hywel Dda HB and Wales for comparison, 2012

		Rec	orded burd	len of disea	Adjusted recorded burden of disease		
Indicator	Your Cluster:				Health Board	Wales	◆ Your Cluster Other Clusters:
21141164161	count	%	min %	max %	%	%	♦ in your Health Board in other Health Boards
Hypertension	9,510	16.4	13.6	17.9	16.2	15.3	
Asthma	4,430	7.7	5.7	7.7	6.6	6.7	•<>> <==================================
Diabetes	3,590	6.2	4.1	6.2	5.5	5.2	◇(00000 0000000000000000000000000000000
CHD	3,040	5.3	3.5	5.3	4.4	4.0	
COPD	1,490	2.6	1.5	2.6	2.0	2.1	
Epilepsy	500	0.9	0.7	0.9	0.7	0.7	
Heart Failure	590	1.0	0.9	1.2	1.0	0.9	♦ ♦ ♦ ♦ ♦ ♦ ♦ ♦ ♦ ♦ ♦ ♦ ♦ ♦ ♦ ♦ ♦ ♦ ♦
Produced by Pul	blic Health	Wales O	bservatory,	using Audit-	+ (NWIS)		Lowest Middle Highest 25% 50% 25%

^{*}Postcode could not be matched to an area of residence and therefore could not be classified or drivetime was not available

[†]Total does not include counts of <5, totals may not match due to rounding

6.2 Llanelli

Geographical 'reach' map

The map fits better on a landscape page and has therefore been inserted on the next page.

Age/sex breakdown of population

Figure 11: Percentage of patients by age and sex (with actual GP cluster counts shown next to bars), showing Llanelli GP cluster and Hywel Dda HB for comparison, 2012

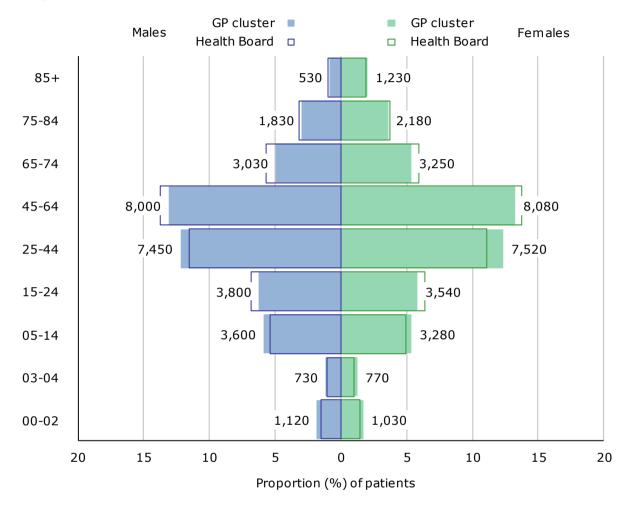


Figure 12: Percentage of population registered with practices in the Llanelli GP cluster, 2012

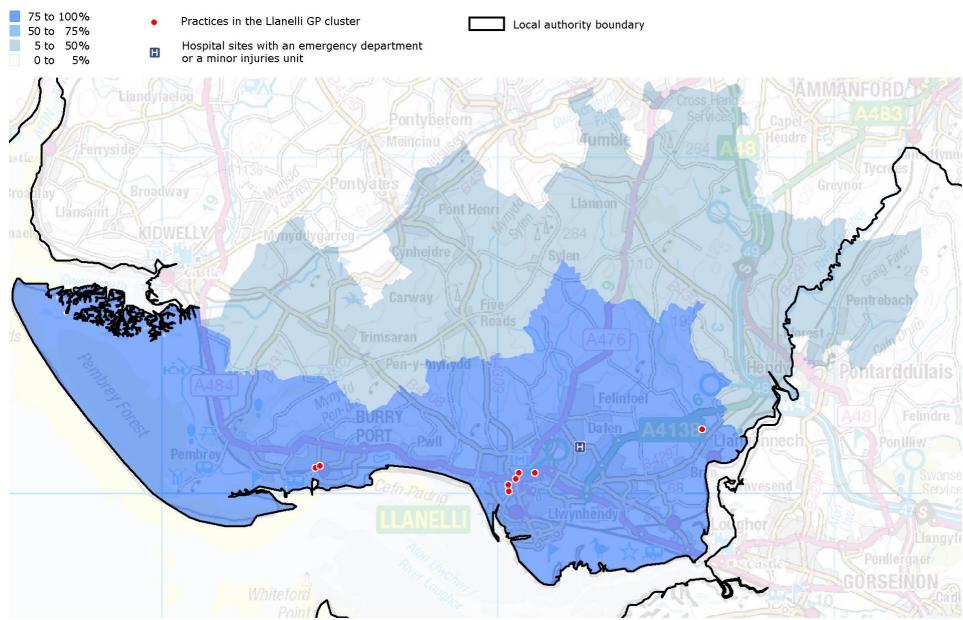
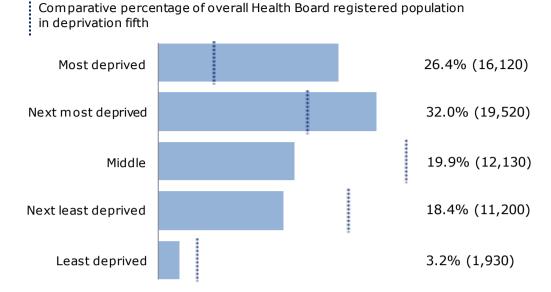


Figure 13: Percentage of patients (with count in brackets) by deprivation fifth in Llanelli GP cluster, showing Hywel Dda HB for comparison, 2012



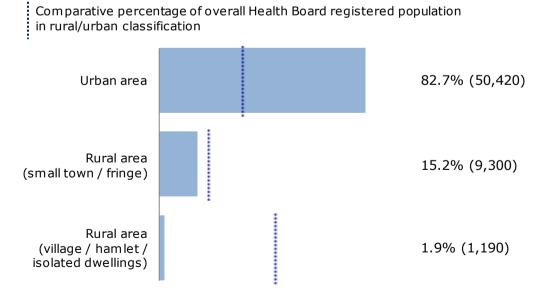
Produced by Public Health Wales Observatory, using WDS (NWIS), WIMD (WG)

N.B. Chart omits 70 patients with postcodes that could not be matched to an area of residence and therefore could not be classified

Rurality

i) Office for National Statistics rural/urban classification

Figure 14: Percentage of patients (with count in brackets) by rural/urban classification in Llanelli GP cluster, showing Hywel Dda HB for comparison, 2012



Produced by Public Health Wales Observatory, using WDS (NWIS), 2004 rural/urban definition (ONS)

N.B. Chart omits 70 patients with postcodes that could not be matched to an area of residence and therefore could not be classified

ii) Time taken to drive to registered practice

Table 6: Modelled percentage of patients living within specified driving times to their registered main practice in Llanelli GP cluster

Time band (Minutes)	Number registered	Percentage
Less than 5	28,260	46.4
5 or more, less than 10	22,940	37.6
10 or more, less than 15	8,870	14.6
15 and over	830	1.4
*Unmatched postcode	70	0.1
Total†	60,960	

Produced by Public Health Wales Observatory, using WDS (NWIS), MapInfo Drivetime

Chronic condition registers

Figure 15: Recorded and adjusted recorded burden of disease in Llanelli GP cluster, showing other GP clusters in Hywel Dda HB and Wales for comparison, 2012

		Rec	orded burd	len of disea	Adjusted recorded	burd	len of disea	ase		
Indicator	Your Cluster:		Other Clusters in your Health Board: Board		Wales	◆Your Cluster Other Clusters:				
Indicator	count	%	min %	max %	%	%	♠ in your Health Board♦ in other Health Board			
Hypertension	9,340	15.3	13.6	17.9	16.2	15.3				
Asthma	3,970	6.5	5.7	7.7	6.6	6.7	•<<>> <	(100)		>
Diabetes	3,660	6.0	4.1	6.2	5.5	5.2	(100000 0000	(32)	> (3636)	\rightarrow
CHD	2,900	4.7	3.5	5.3	4.4	4.0	(3) (100)	(1) (1) (1) (1) (1) (1) (1) (1) (1) (1)		\Diamond
COPD	1,120	1.8	1.5	2.6	2.0	2.1	<) = ♦ [3]		\rightarrow
Epilepsy	450	0.7	0.7	0.9	0.7	0.7	(***)	* 333		\rightarrow
Heart Failure	540	0.9	0.9	1.2	1.0	0.9	♦ < < < < < < < < < < < < < < < < < < <	(*)	> 0 00000	 \tau \tau \tau \tau \tau \tau \tau \tau
Produced by Pu	blic Health	Wales O	bservatory,	using Audit	+ (NWIS)			ddle 0%	Highe 25%	

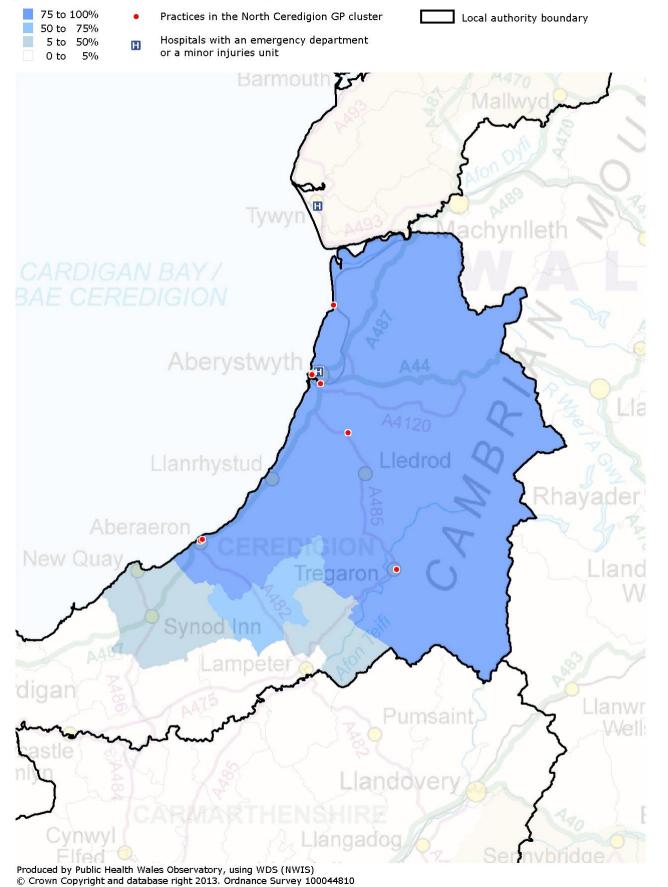
^{*}Postcode could not be matched to an area of residence and therefore could not be classified or drivetime was not available

[†]Total does not include counts of <5, totals may not match due to rounding

6.3 North Ceredigion

Geographical 'reach' map

Figure 16: Percentage of population registered with practices in the North Ceredigion GP cluster, 2012



Age/sex breakdown of population

Figure 17: Percentage of patients by age and sex (with actual GP cluster counts shown next to bars), showing North Ceredigion GP cluster and Hywel Dda HB for comparison, 2012

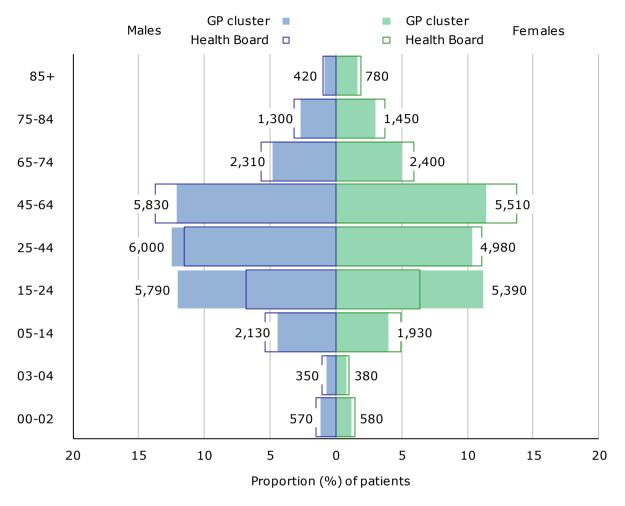
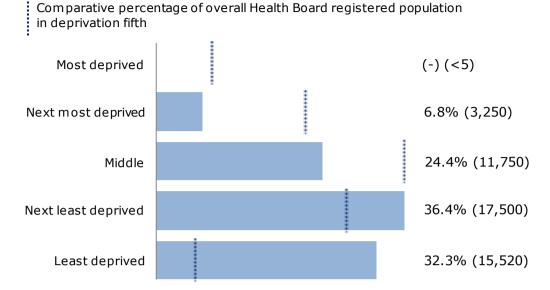


Figure 18: Percentage of patients (with count in brackets) by deprivation fifth in North Ceredigion GP cluster, showing Hywel Dda HB for comparison, 2012



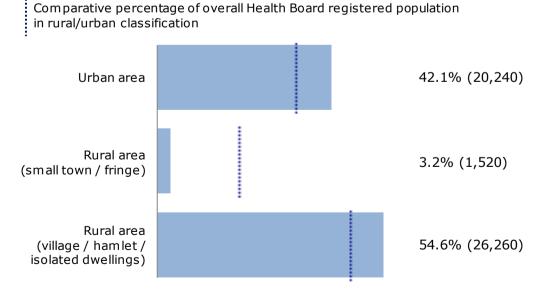
Produced by Public Health Wales Observatory, using WDS (NWIS), WIMD (WG)

N.B. Chart omits 60 patients with postcodes that could not be matched to an area of residence and therefore could not be classified

Rurality

i) Office for National Statistics rural/urban classification

Figure 19: Percentage of patients (with count in brackets) by rural/urban classification in North Ceredigion GP cluster, showing Hywel Dda HB for comparison, 2012



Produced by Public Health Wales Observatory, using WDS (NWIS), 2004 rural/urban definition (ONS)

N.B. Chart omits 60 patients with postcodes that could not be matched to an area of residence and therefore could not be classified

ii) Time taken to drive to registered practice

Table 7: Modelled percentage of patients living within specified driving times to their registered main practice in North Ceredigion GP cluster

Time band (Minutes)	Number registered	Percentage
Less than 5	17,350	36.1
5 or more, less than 10	13,500	28.1
10 or more, less than 15	9,060	18.8
15 and over	8,120	16.9
*Unmatched postcode	60	0.1
Total†	48,080	

Produced by Public Health Wales Observatory, using WDS (NWIS), MapInfo Drivetime

Chronic condition registers

Within this cluster data is missing for 1 practice with a list size of 8800[‡].

Figure 20: Recorded and adjusted recorded burden of disease in North Ceredigion GP cluster, showing other GP clusters in Hywel Dda HB and Wales for comparison, 2012

		Rec	orded burd	len of disea	Adjusted recorded burden of diseas	se		
Indicator	Your Cl	uster:			Health Board	Wales	◆ Your Cluster Other Clusters:	
Indicator	count	%	min %	max %	%	%	♦ in your Health Board ○ in other Health Boards	
Hypertension	5,410	13.6	13.6	17.9	16.2	15.3		
Asthma	2,260	5.7	5.7	7.7	6.6	6.7		
Diabetes	1,620	4.1	4.1	6.2	5.5	5.2	◇(Ф€)Ф€ (30,400 Ф) ◇ (30)>	<
CHD	1,380	3.5	3.5	5.3	4.4	4.0		,
COPD	580	1.5	1.5	2.6	2.0	2.1		>
Epilepsy	260	0.7	0.7	0.9	0.7	0.7		>
Heart Failure	430	1.1	0.9	1.2	1.0	0.9		\
Produced by Pu	blic Health	Wales O	bservatory,	using Audit-	+ (NWIS)		Lowest Middle Highest 25% 50% 25%	:

^{*} Rounded to nearest 100 for ease of reading

GP cluster profile: Hywel Dda Health Board ● Page 22

^{*}Postcode could not be matched to an area of residence and therefore could not be classified or drivetime was not available

[†]Total does not include counts of <5, totals may not match due to rounding

6.4 North Pembrokeshire

Geographical 'reach' map

The map fits better on a landscape page and has therefore been inserted on the next page.

Age/sex breakdown of population

Figure 21: Percentage of patients by age and sex (with actual GP cluster counts shown next to bars), showing North Pembrokeshire GP cluster and Hywel Dda HB for comparison, 2012

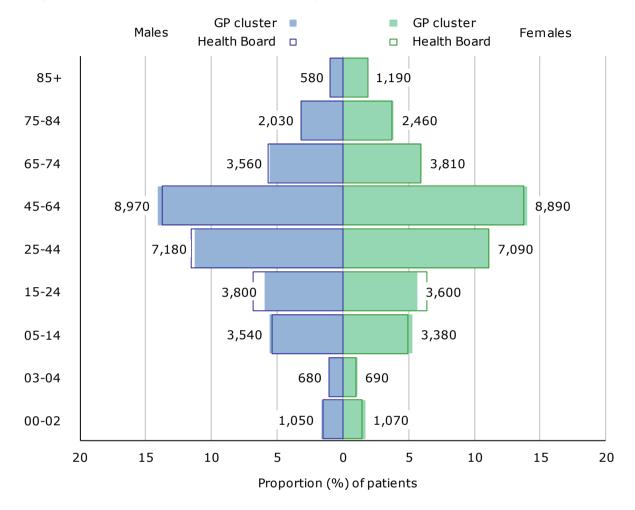


Figure 22: Percentage of population registered with practices in the North Pembrokeshire GP cluster, 2012

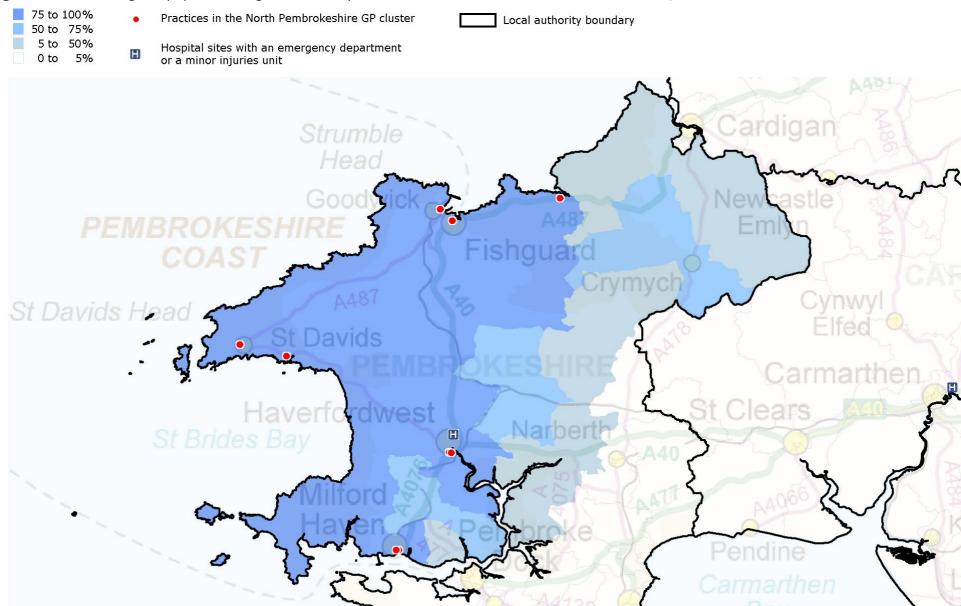
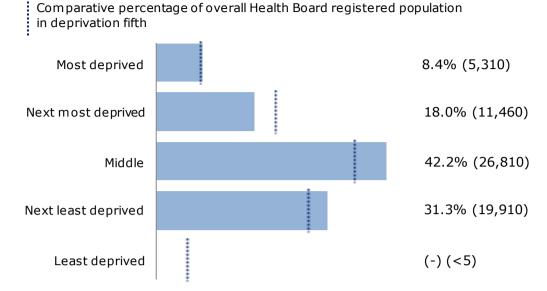


Figure 23: Percentage of patients (with count in brackets) by deprivation fifth in North Pembrokeshire GP cluster, showing Hywel Dda HB for comparison, 2012



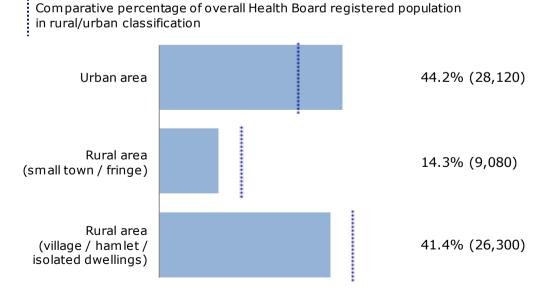
Produced by Public Health Wales Observatory, using WDS (NWIS), WIMD (WG)

N.B. Chart omits 70 patients with postcodes that could not be matched to an area of residence and therefore could not be classified

Rurality

i) Office for National Statistics rural/urban classification

Figure 24: Percentage of patients (with count in brackets) by rural/urban classification in North Pembrokeshire GP cluster, showing Hywel Dda HB for comparison, 2012



Produced by Public Health Wales Observatory, using WDS (NWIS), 2004 rural/urban definition (ONS)

N.B. Chart omits 70 patients with postcodes that could not be matched to an area of residence and therefore could not be classified

ii) Time taken to drive to registered practice

Table 8: Modelled percentage of patients living within specified driving times to their registered main practice in North Pembrokeshire GP cluster

Time band (Minutes)	Number registered	Percentage
Less than 5	21,900	34.5
5 or more, less than 10	20,220	31.8
10 or more, less than 15	10,340	16.3
15 and over	11,040	17.4
*Unmatched postcode	70	0.1
Total†	63,560	

Produced by Public Health Wales Observatory, using WDS (NWIS), MapInfo Drivetime

Chronic condition registers

Within this cluster data is missing for 1 practice with a list size of 14,000[‡].

Figure 25: Recorded and adjusted recorded burden of disease in North Pembrokeshire GP cluster, showing other GP clusters in Hywel Dda HB and Wales for comparison, 2012

		Rec	orded burd	len of disea	Adjusted recorded bur	den of disease		
Indicator	Your Cluster:		Other Clusters in your Health Board:		Health Board	Wales	◆Your Cluster Other Clusters:	
	count	%	min %	max %	%	%	♦ in your Health Board♦ in other Health Boards	
Hypertension	8,670	17.8	13.6	17.9	16.2	15.3		
Asthma	3,290	6.7	5.7	7.7	6.6	6.7	•>>> > > > > > > > > > > > > > > > > >	
Diabetes	2,570	5.3	4.1	6.2	5.5	5.2	<	◆ ◆ ◆ ◆
CHD	1,970	4.0	3.5	5.3	4.4	4.0		00 000
COPD	1,120	2.3	1.5	2.6	2.0	2.1	◇◇◇◇◇◇◇◇	
Epilepsy	360	0.7	0.7	0.9	0.7	0.7	◆○○(800-80) ◆(1000)	(00%) ⟨\$\\$\\$\\$\\$\\$\\$\\$\\$\\$\\$\\$\\$\\$\\$\\$\\$\\$\\$\
Heart Failure	590	1.2	0.9	1.2	1.0	0.9	♦ <> < < < < < < > < < < < > < < < < <	>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>
Produced by Pul	blic Health	Wales O	Lowest Middle 25% 50%	Highest 25%				

GP cluster profile: Hywel Dda Health Board • Page 26

^{*}Postcode could not be matched to an area of residence and therefore could not be classified or drivetime was not available

[†]Total does not include counts of <5, totals may not match due to rounding

^{*} Rounded to nearest 100 for ease of reading

6.5 South Ceredigion

Geographical 'reach' map

The map fits better on a landscape page and has therefore been inserted on the next page.

Age/sex breakdown of population

Figure 26: Percentage of patients by age and sex (with actual GP cluster counts shown next to bars), showing South Ceredigion GP cluster and Hywel Dda HB for comparison, 2012

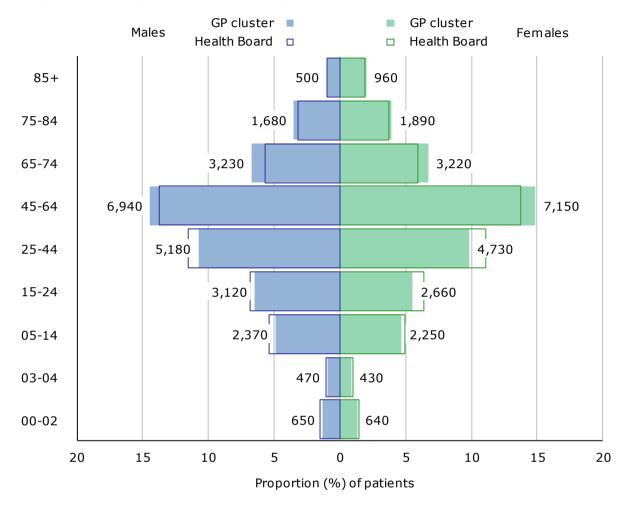


Figure 27: Percentage of population registered with practices in the South Ceredigion GP cluster, 2012

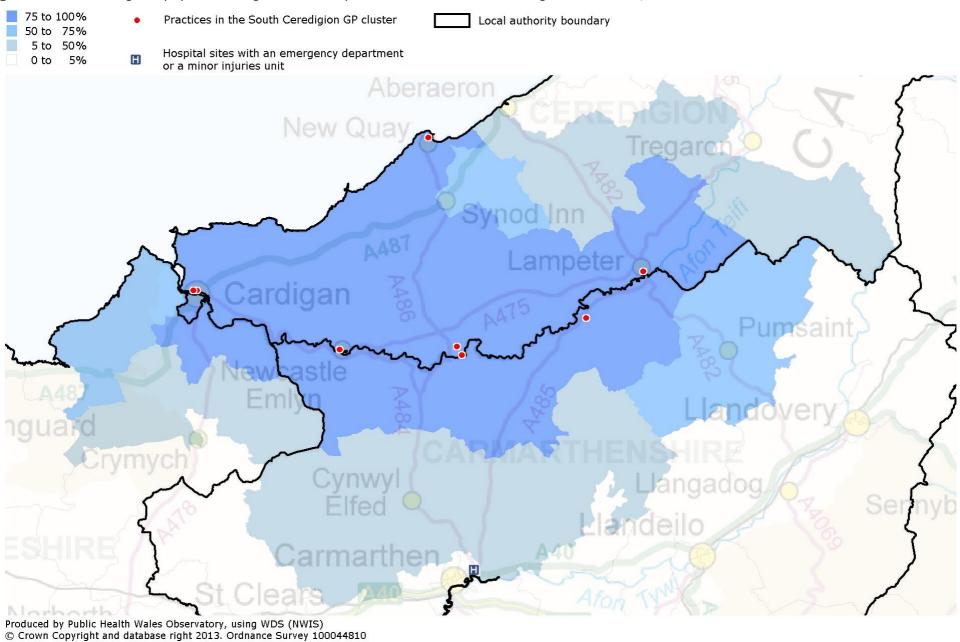
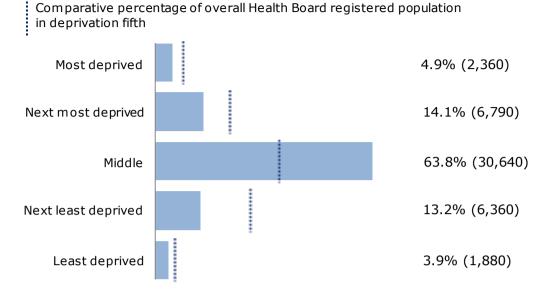


Figure 28: Percentage of patients (with count in brackets) by deprivation fifth in South Ceredigion GP cluster, showing Hywel Dda HB for comparison, 2012



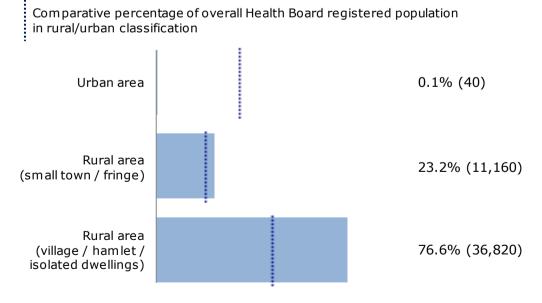
Produced by Public Health Wales Observatory, using WDS (NWIS), WIMD (WG)

N.B. Chart omits 30 patients with postcodes that could not be matched to an area of residence and therefore could not be classified

Rurality

i) Office for National Statistics rural/urban classification

Figure 29: Percentage of patients (with count in brackets) by rural/urban classification in South Ceredigion GP cluster, showing Hywel Dda HB for comparison, 2012



Produced by Public Health Wales Observatory, using WDS (NWIS), 2004 rural/urban definition (ONS)

N.B. Chart omits 30 patients with postcodes that could not be matched to an area of residence and therefore could not be classified

ii) Time taken to drive to registered practice

Table 9: Modelled percentage of patients living within specified driving times to their registered main practice in South Ceredigion GP cluster

Time band (Minutes)	Number registered	Percentage
Less than 5	13,580	28.3
5 or more, less than 10	13,630	28.4
10 or more, less than 15	12,780	26.6
15 and over	8,030	16.7
*Unmatched postcode	30	0.1
Total†	48,050	

Produced by Public Health Wales Observatory, using WDS (NWIS), MapInfo Drivetime

Chronic condition registers

Figure 30: Recorded and adjusted recorded burden of disease in South Ceredigion GP cluster, showing other GP clusters in Hywel Dda HB and Wales for comparison, 2012

		Rec	orded burd	en of disea	Adjusted recor	ded burd	den of dise	ase		
Indicator	Your Cluster:		Other Clusters in your Health Board:		Health V Board	Wales	◆ Your Cluster Other Clusters:			
	count	%	min %	max %	%	%	◆ in your Health E◇ in other Health			
Hypertension	8,640	17.9	13.6	17.9	16.2	15.3				>
Asthma	3,080	6.4	5.7	7.7	6.6	6.7	•< >> <			>
Diabetes	2,560	5.3	4.1	6.2	5.5	5.2	36949		> < 383>	 \tau \tau \tau \tau \tau \tau \tau \tau
CHD	2,140	4.4	3.5	5.3	4.4	4.0			••000	\Q
COPD	920	1.9	1.5	2.6	2.0	2.1	◇◇◇◇◆◆ ®	()		\Q
Epilepsy	330	0.7	0.7	0.9	0.7	0.7	\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\	43(#8 (3)	90(*() (\$)	\Diamond
Heart Failure	450	0.9	0.9	1.2	1.0	0.9	♦ ♦ ♦		> *>>30	\Q
Produced by Pu	Lowest 25%	Middle 50%	Highe 25%							

^{*}Postcode could not be matched to an area of residence and therefore could not be classified or drivetime was not available

[†]Total does not include counts of <5, totals may not match due to rounding

6.6 South Pembrokeshire

Geographical 'reach' map

The map fits better on a landscape page and has therefore been inserted on the next page.

Age/sex breakdown of population

Figure 31: Percentage of patients by age and sex (with actual GP cluster counts shown next to bars), showing South Pembrokeshire GP cluster and Hywel Dda HB for comparison, 2012

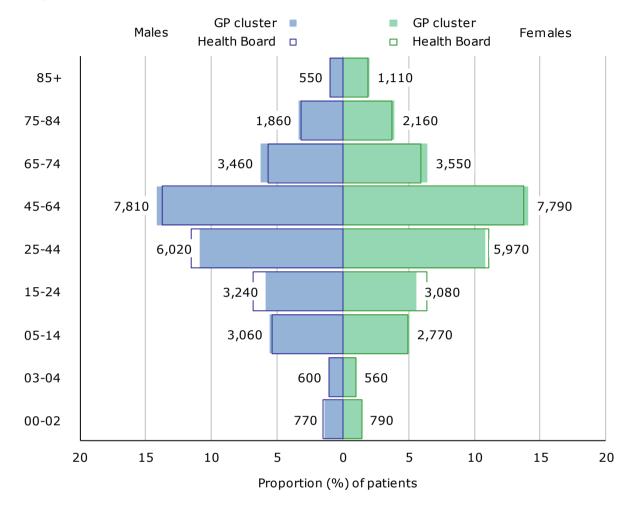


Figure 32: Percentage of population registered with practices in the South Pembrokeshire GP cluster, 2012

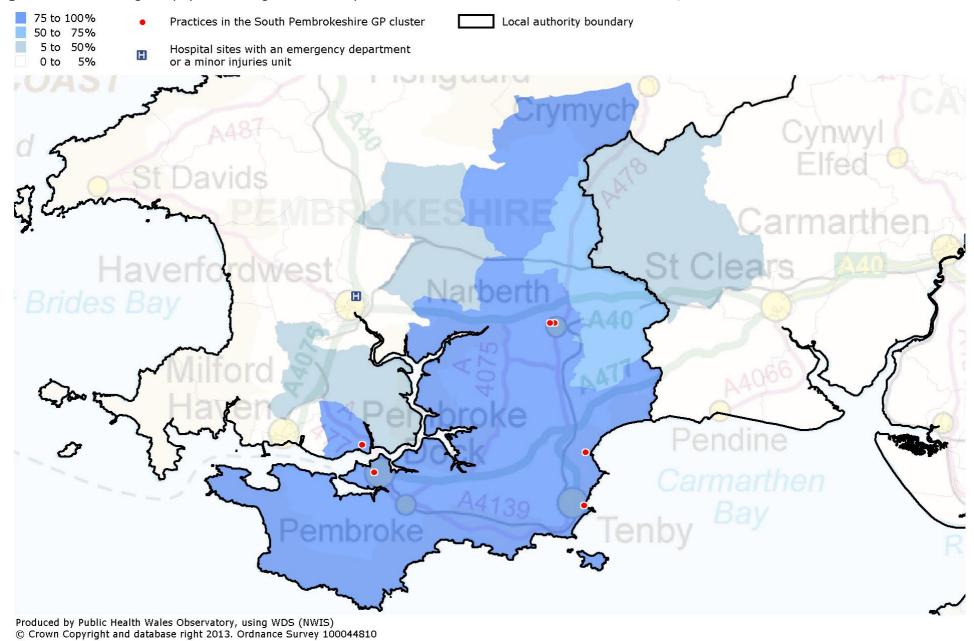
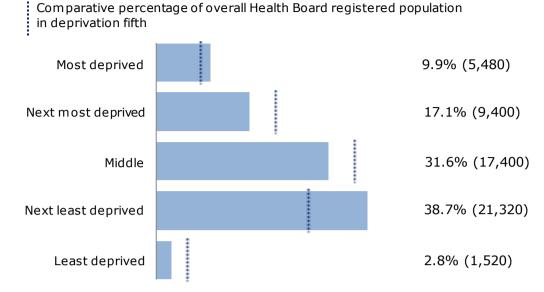


Figure 33: Percentage of patients (with count in brackets) by deprivation fifth in South Pembrokeshire GP cluster, showing Hywel Dda HB for comparison, 2012



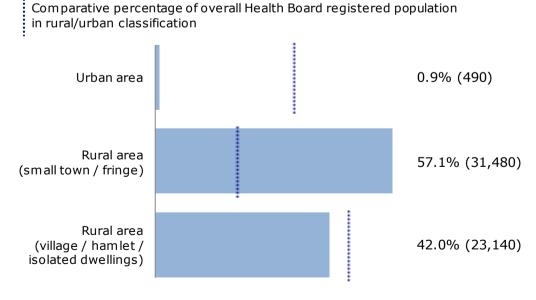
Produced by Public Health Wales Observatory, using WDS (NWIS), WIMD (WG)

N.B. Chart omits 30 patients with postcodes that could not be matched to an area of residence and therefore could not be classified

Rurality

i) Office for National Statistics rural/urban classification

Figure 34: Percentage of patients (with count in brackets) by rural/urban classification in South Pembrokeshire GP cluster, showing Hywel Dda HB for comparison, 2012



Produced by Public Health Wales Observatory, using WDS (NWIS), 2004 rural/urban definition (ONS)

N.B. Chart omits 30 patients with postcodes that could not be matched to an area of residence and therefore could not be classified

ii) Time taken to drive to registered practice

Table 10: Modelled percentage of patients living within specified driving times to their registered main practice in South Pembrokeshire GP cluster

Time band (Minutes)	Number registered	Percentage
Less than 5	15,940	28.9
5 or more, less than 10	23,230	42.1
10 or more, less than 15	10,480	19.0
15 and over	5,470	9.9
*Unmatched postcode	30	0.0
Total†	55,140	

Produced by Public Health Wales Observatory, using WDS (NWIS), MapInfo Drivetime

Chronic condition registers

Within this cluster data is missing for 1 practice with a list size of 8800[‡].

Figure 35: Recorded and adjusted recorded burden of disease in South Pembrokeshire GP cluster, showing other GP clusters in Hywel Dda HB and Wales for comparison, 2012

		Rec	orded burd	len of disea	Adjusted recorded burden	of disease		
Indicator	Your Cl	uster:	Other Clusters in your Health Board:		Health Board	h Wales	◆ Your Cluster Other Clusters:	
	count	%	min %	max %	%	%	♦ in your Health Board in other Health Boards	
Hypertension	7,150	15.7	13.6	17.9	16.2	15.3		00000
Asthma	2,860	6.3	5.7	7.7	6.6	6.7	•385 (***	
Diabetes	2,490	5.5	4.1	6.2	5.5	5.2	♦ 100-600 (00 (00 (00 (00 (00 (00 (00 (00 (00 	33D <
CHD	1,950	4.3	3.5	5.3	4.4	4.0		• 🕸
COPD	950	2.1	1.5	2.6	2.0	2.1	<	××××
Epilepsy	340	0.7	0.7	0.9	0.7	0.7	◆ ○○○○○○○○○○○○○○○○○○○○○○○○○○○○○○○○○○○○	3 000 0
Heart Failure	430	0.9	0.9	1.2	1.0	0.9	♦ ♦ ♦ ♦ ♦ ♦ ♦ ♦ ♦ ♦ ♦ ♦ ♦ ♦ ♦ ♦ ♦ ♦ ♦	00⊗ ♦
Produced by Pul	blic Health	Wales O	bservatory,	using Audit	+ (NWIS)		Lowest Middle 25% 50%	Highest 25%

^{*} Rounded to nearest 100 for ease of reading

GP cluster profile: Hywel Dda Health Board ● Page 34

^{*}Postcode could not be matched to an area of residence and therefore could not be classified or drivetime was not available

[†]Total does not include counts of <5, totals may not match due to rounding

6.7 Taf/Teifi/Tywi

Geographical 'reach' map

The map fits better on a landscape page and has therefore been inserted on the next page.

Age/sex breakdown of population

Figure 36: Percentage of patients by age and sex (with actual GP cluster counts shown next to bars), showing Taf/Teifi/Tywi GP cluster and Hywel Dda HB for comparison, 2012

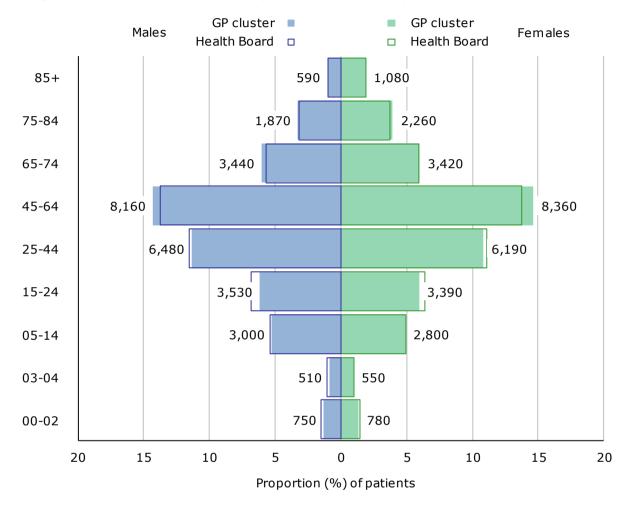


Figure 37: Percentage of population registered with practices in the Taf/Teifi/Tywi GP cluster, 2012

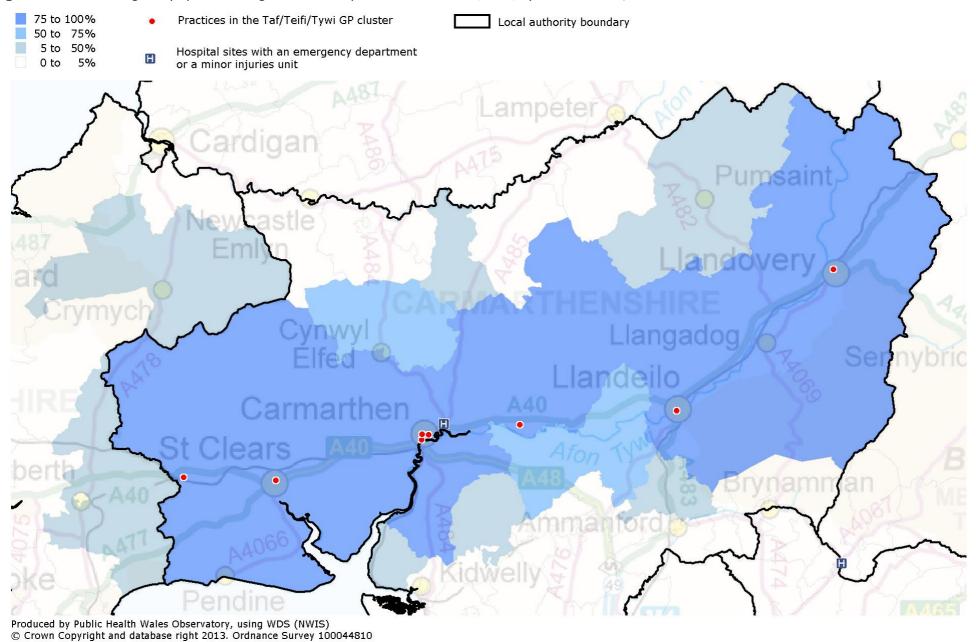
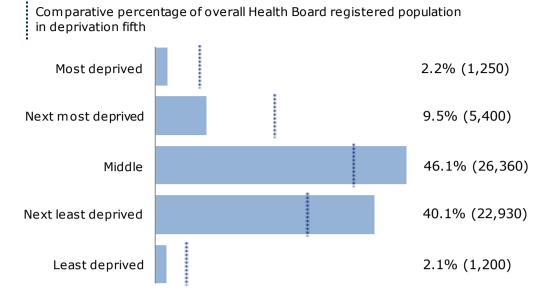


Figure 38: Percentage of patients (with count in brackets) by deprivation fifth in Taf/Teifi/Tywi GP cluster, showing Hywel Dda HB for comparison, 2012



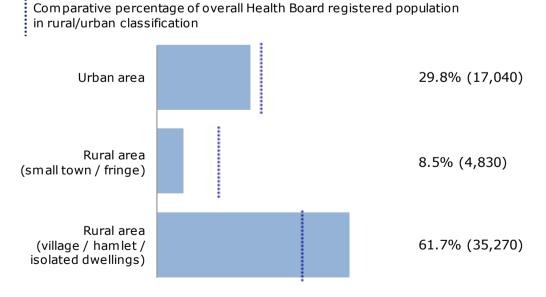
Produced by Public Health Wales Observatory, using WDS (NWIS), WIMD (WG)

N.B. Chart omits 20 patients with postcodes that could not be matched to an area of residence and therefore could not be classified

Rurality

i) Office for National Statistics rural/urban classification

Figure 39: Percentage of patients (with count in brackets) by rural/urban classification in Taf/Teifi/Tywi GP cluster, showing Hywel Dda HB for comparison, 2012



Produced by Public Health Wales Observatory, using WDS (NWIS), 2004 rural/urban definition (ONS)

N.B. Chart omits 20 patients with postcodes that could not be matched to an area of residence and therefore could not be classified

ii) Time taken to drive to registered practice

Table 11: Modelled percentage of patients living within specified driving times to their registered main practice in Taf/Teifi/Tywi GP cluster

Time band (Minutes)	Number registered	Percentage
Less than 5	16,940	29.6
5 or more, less than 10	18,500	32.4
10 or more, less than 15	12,450	21.8
15 and over	9,260	16.2
*Unmatched postcode	20	0.0
Total†	57,160	

Produced by Public Health Wales Observatory, using WDS (NWIS), MapInfo Drivetime

Chronic condition registers

Figure 40: Recorded and adjusted recorded burden of disease in Taf/Teifi/Tywi GP cluster, showing other GP clusters in Hywel Dda HB and Wales for comparison, 2012

							Adjusted recorded burden of disease	
Indicator	Your Cluster:		Other Clusters in your Health Board:		Health Wales Board	◆ Your Cluster Other Clusters:		
	count	%	min %	max %	%	%	♦ in your Health Board o in other Health Boards	
Hypertension	9,240	16.1	13.6	17.9	16.2	15.3		
Asthma	3,890	6.8	5.7	7.7	6.6	6.7	◆385 ◇●● 688 (●● 528 ● 528 ● 528	
Diabetes	3,100	5.4	4.1	6.2	5.5	5.2	◇(0+600 (3)(3) (0) ◇ (3) > ◇	
CHD	2,390	4.2	3.5	5.3	4.4	4.0		
COPD	920	1.6	1.5	2.6	2.0	2.1		
Epilepsy	430	0.8	0.7	0.9	0.7	0.7		
Heart Failure	520	0.9	0.9	1.2	1.0	0.9		
Produced by Pul	olic Health	Wales O	Lowest Middle Highest 25% 50% 25%					

^{*}Postcode could not be matched to an area of residence and therefore could not be classified or drivetime was not available

[†]Total does not include counts of <5, totals may not match due to rounding

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