LS25 / LS26 Primary Care Network introduction

Summary of report

This PCN has fewer children, and adults aged below 45, and more elderly patients. Most of the patients live in the mid or least deprived parts of Leeds and are "White British" ethnicity. The proportion of the population aged more than 70 is increasing steadily.

GP recorded health conditions are almost all significantly better than Leeds, the exceptions are obesity and cancer which are both significantly higher than Leeds. Cancer rates tend to be higher in less deprived populations, this is thought to be due to earlier presentation and improved survival rates.

Mortality rates for the under 75s are very low, and life expectancy is generally good although female life expectancy recently dropped.

Practices in this PCN when this report data was made

This report uses GP recorded data for groups of practices called Primary care networks (PCNs). Most of the data in this report represents the combined registered populations of the practices making up the PCN. Collating and producing data for this report was concluded in early 2020 when the PCN memberships had been stable for some time. The following practices were aggregated to create PCN data for this profile:

B86006 Oulton, B86020 Lofthouse Surgery, B86036 Gibson Lane Practice, B86048 Garforth Medical Practice, B86089 Nova Scotia, B86092 Kippax Hall, B86658 Moorfield House

PCN footprints

PCN footprints: Some data - Life Expectancy for instance - cannot be made by registered populations and instead is produced for the *area* that the PCN covers which is called its *footprint*. A PCN footprint is the area of Leeds where the PCN has more registered patients than eny other PCN. Data reported by footprints represents all patients living in the area regardless of which PCN they are registered to. PCN footprints do not overlap and cover the entirety of Leeds.

Deprivation in this report

The Index of Multiple Deprivation 2019 (IMD2019) is used in this report to relate differences in health data to variations in patient environments. Each PCN has a calculated deprivation score which is created using the **July 2015** practice population size and locations, PCNs are ranked by their deprivation score in many charts to investigate relationships with deprivation. July 2015 population data is used because it matches the denominators used by the IMD2019 itself.

Note that PCN *registered* populations can live far from their GP practice and experience a wide variety of deprivation conditions.

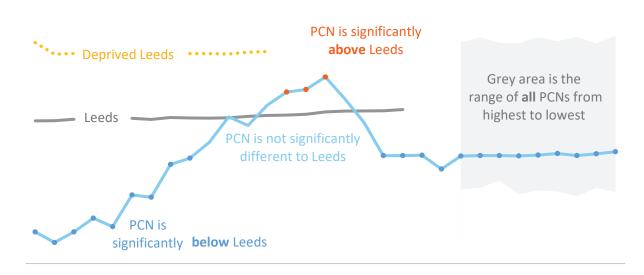
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* Some datasets cannot be grouped by practice and are shown by PCN *footprint* area instead. See Introduction page for more details.

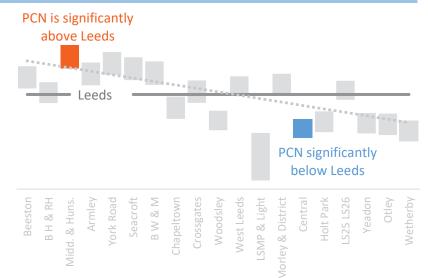
About the charts used in this profile

Charts use consistent colours throughout this profile, and text about the PCN will be in blue. Colours have been chosen to work with the most common forms of colour blindness.

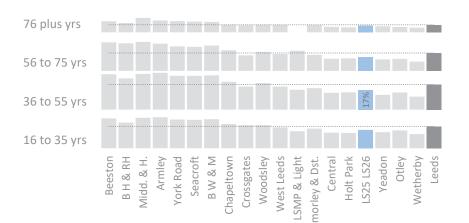
Time series chart example



Comparing rates, PCNs ranked by deprivation example



% of agebands with condition example



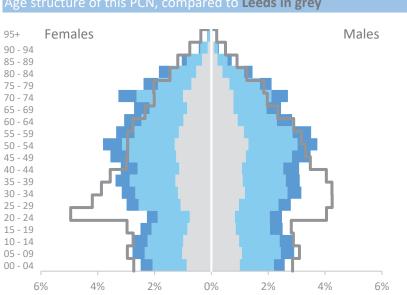
In this chart PCNs are shown in order of deprivation with the **most deprived on the left**. Middleton & Hunslet PCN is orange because it is significantly higher than Leeds, Central PCN is significantly lower than Leeds and therefore blue.

The dotted line is a best fit through all PCN rates and in this case slopes downward because less deprived PCN populations have lower rates.

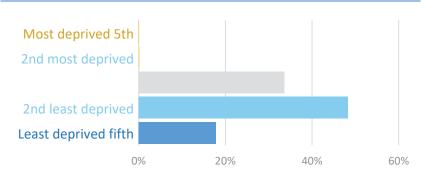
The proportion of each ageband with this condition. In this example more deprived PCN populations have larger rates in all agebands but the rate is quite steady for over 75s in all PCNS.

Leeds is shown as dark grey bars and dotted lines, the chosen PCN is highlighted in blue and the ageband with the highest prevalence in the PCN is labelled with prevalence percentage.

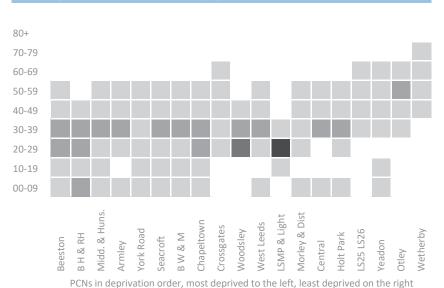
Age structure and deprivation compared to Leeds











The age and genders proportions of this PCN are shown as shaded areas. The colours correspond to deprivation levels in Leeds as in the chart below.

LS25 / LS26 Primary Care Network is very different to Leeds with slightly fewer young children, and far fewer aged 20-34, there are more elderly patients though.

Leeds can be divided into five groups, from most to least deprived.

The majority of the PCN patients live in the second least and mid range deprivation fifths of Leeds.

This table shows the agebands that dominate PCN populations. The least deprived PCNs have populations that are less diverse in age.

The 50-59 ageband is the largest in this PCN.

greater than or equal to 30% greater than or equal to 20% greater than or equal to 15% greater than or equal to 11%

PCN ethnicity change over time

Ethnicity is recorded in very high detail by Leeds GPs, when aggregated it can provide a simple picture of the population changing over time.

How these details are grouped to make Black and minority ethnic (BAME) can effect the outcome. These charts compare the "White British" group with all remaining ethnic types combined into BAME. The third category shows patients with no recorded ethnicity, this has steadily improved in Leeds helping to reveal the true picture.

PCN BAME change over time

In 2020 this PCN has a very much smaller proportion of BAME patients than Leeds. 6% compared to 29%

The PCN has a very low BAME proportion and improvements in recording have only added "White British" to the picture.

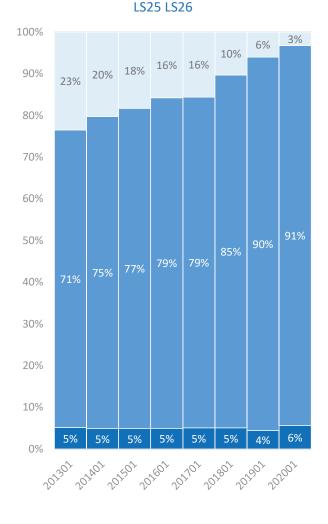
Leeds BAME change over time

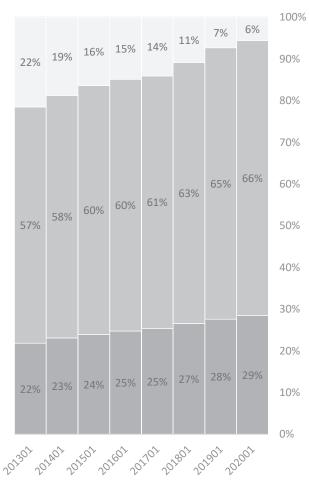
29% of the Leeds registered population falls into the BAME category in 2020.

Improvements in recording have resulted in increases for both the "White British" and "BAME" categories.









Leeds overall

Population change over time - the very young, and the elderly

PCN population age change over time In 2020 this PCN has a smaller proportion of young patients than Leeds, 11% compared to 12%

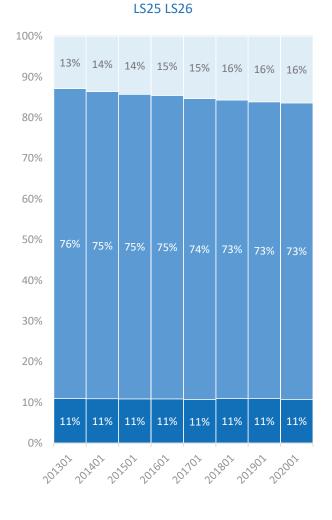
In terms of the older population, 16% of the PCN are aged 70 or more - larger than Leeds at 11%

Leeds population age change over time

Leeds registered patients are remarkably stable in terms of the overall proportions of the youngest and oldest agebands.

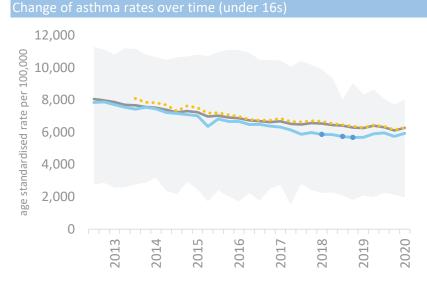
The over 70s group has only increased from 10% to 10.6% in the chart below but that is a change in number of people from 80,465 to 92,065.





100% 10% 10% 10% 10% 11% 11% 10% 10% 90% 80% 70% 60% 78% 78% 78% 78% 78% 78% 78% 78% 50% 40% 30% 20% 10% 12% 0% 201901 202001

Leeds overall



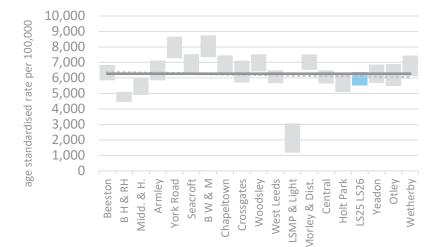
In a time series we can see that generally rates have been falling for many years.

This PCN has followed the Leeds trajectory for years and is usually not significantly different to it.

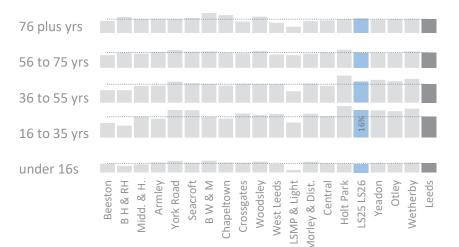
Deprived Leeds is barely different to Leeds overall, and falling at the same speed.

Overall, in January 2020, rates of asthma in children don't display a relationship with deprivation - the grey dotted line is virtually horizontal.

Under 16s rates compared (January 2020) - ranked by deprivation



Asthma is more common in less deprived populations (January 2020)



The proportion of each ageband who have asthma. In general it is more prevalent in middle aged groups in less deprived PCN populations.

This PCN has average asthma rates in most agebands but the 16-35 rate is high.

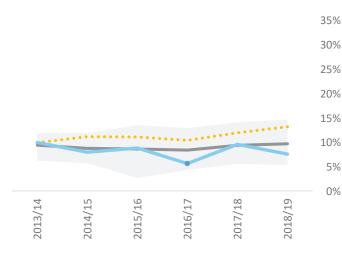
The ageband with the highest asthma rate in this PCN is 16 to 35 years, with a rate of 16%

Child obesity in Reception and Year 6

Obesity % - Reception over time

Leeds has hovered around 10% obesity in Reception classes for years. Deprived areas are higher and rising steadily, while the PCNs are slowly diverging.

Reception rates are mainly around Leeds level, with fluctuations which took it significantly lower in 2016/17.



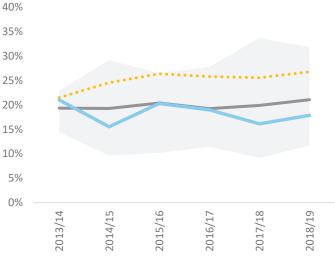
Obesity % - PCNs reception in 2018-2019

Reception rates of obesity are higher for more deprived PCNs and lower for less deprived - the chart generally slopes from left to right. The relationship is clear but not that strong.



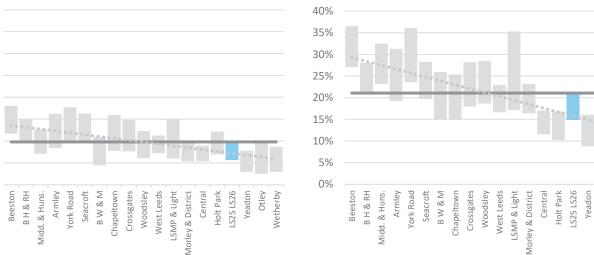
Leeds has risen a little from around 19% to 21% in the chart below, and rates in deprived areas are much higher.

Overall, Year 6 rates appear to be trending downwards with some fluctuation, recent data shows the PCN to be moving upwards at the same speed as Leeds.



Obesity % - PCNs Year 6 in 2018-2019

The Year 6 data has a much stronger relationship with deprivation - the dashed line slopes steeply, and around half of PCNs have a higher Year 6 rate than the highest Reception rate.



PCN NCMP data shows the students resident inside the PCN footprint, regardless of where their school is located. NCMP data is collected annually and sent to NHS Digital for national collation. NHS Digital return the processed data to local authorities and this is presented here.

Otle) Vetherby

Smoking (adults)

35,000

30,000

25,000

20,000

15,000

10,000

5,000

2013

Beeston

B H & RH Midd. & Huns. Armley York Road Seacroft B W & M Chapeltown Crossgates Woodsley West Leeds LSMP & Light Morlev & District Morlev & District

age standardised rate per 100,000

2019

2018

Central Holt Park S25 LS26 Yeadon

2017

2020

Otley

Wetherby

This PCN has been well below the Leeds trajectory for years but recently it has begun to increase.

Deprived Leeds is very different to Leeds overall with much higher rates of smoking, however it is falling more quickly than Leeds overall.

Overall, in January 2020, rates of smoking display an extremely strong relationship with deprivation - the grey dotted line slopes sharply.

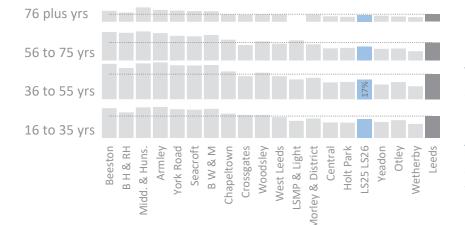
Adult rates compared (January 2020) - ranked by deprivation

2016

2015

2014

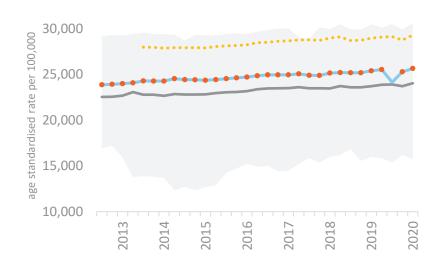
Smoking is more common in all age groups as deprivation increases



The proportion of each ageband who smoke. More deprived PCN populations generally have larger smoking rates in all agebands.

This PCN has well below average smoking rates in all agebands, except 76plus which is average.

The ageband with the highest smoking rate is 36 to 55 years, with a rate of 17%



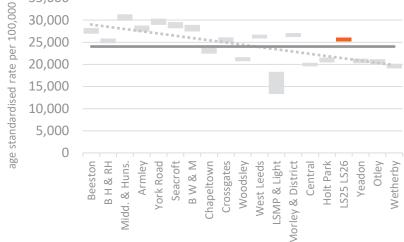
In a time series we can see that rates have been rising slowly for many years.

This PCN has been significantly above the Leeds trajectory for years and is increasing at the same rate.

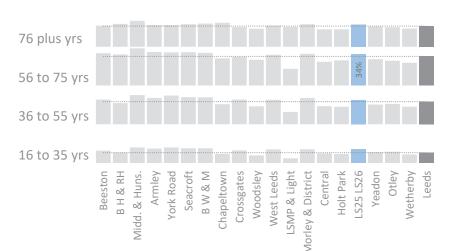
Deprived Leeds is much higher than Leeds overall, and rising at the same speed.

Overall, in January 2020, rates of adult obesity display a reasonably strong relationship with deprivation - the grey dotted line is sloped but there is variation.

35,000



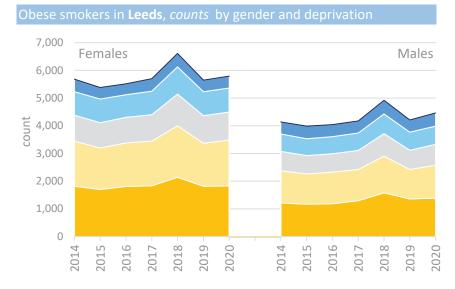
Obesity is more common in middle age as deprivation increases



The proportion of each ageband who are obese. More deprived PCN populations generally have larger obesity rates in all agebands. Older agebands tend to be more obese.

This PCN has slightly above average obesity rates for all agebands.

The ageband with the highest Obesity rate is 56 to 75 years, with a rate of 34%

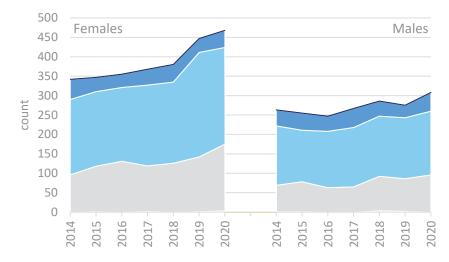


In January 2020 there were 10,252 Leeds registered and resident patients recorded as being obese and current smokers.

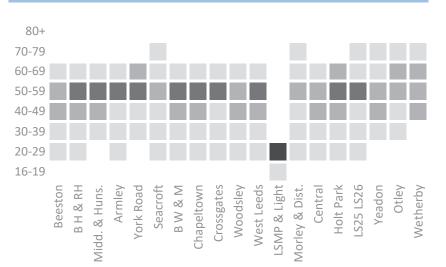
56% of these patients are female.

These charts show the numbers gradually rising since 2014, and the most deprived 5th of Leeds (dark orange) has always had the most patients.

Obese smokers, counts in this PCN by gender and deprivation



Obese smokers are older in less deprived PCNs



In this PCN...

These charts show the number of obese smokers in this PCN, by gender and deprivation.

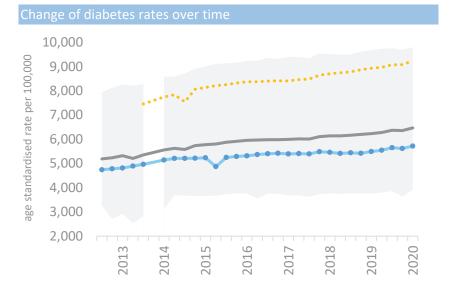
In this PCN female obese smokers outnumber males and are increasing in number more quickly.

None of the growth in numbers is coming from the least deprived areas.

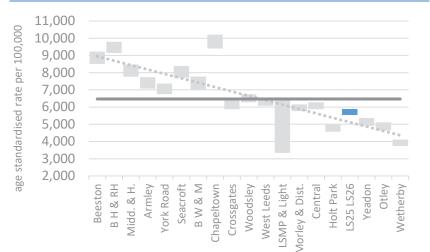
This table shows the agebands within each PCN that contribute the most to the PCN total of obese smokers.

For instance, the 50-59 ageband contains between 25% and 30% of the obese smoker population for most PCNs.

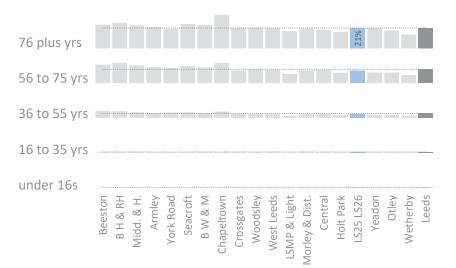
greater than or equal to 30% greater than or equal to 25% greater than or equal to 20% greater than or equal to 10%



Rates compared (January 2020) - ranked by deprivation







In a time series we can see that rates have been rising steadily for many years.

This PCN has been significantly below the Leeds trajectory for years and is increasing at the same rate.

Deprived Leeds is much higher than Leeds overall, and rising more quickly.

Overall, in January 2020, rates of adult diabetes display a very strong relationship with deprivation - the grey dotted line is clearly sloped.

The proportion of each ageband recorded with diabetes. In general it is more prevalent in older age groups in more deprived PCN populations.

This PCN has average diabetes rates for all agebands.

The ageband with the highest diabetes rate is 76 plus years, with a rate of 21%

Coronary heart disease (CHD) all ages

Change of CHD rates over time

In a time series we can see that rates have been falling slowly for many years. This PCN has been below the

Leeds trajectory for years and has possibly levelled off recently.

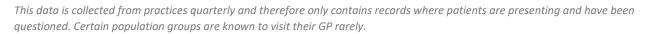
Deprived Leeds is much higher than Leeds overall, and falling slightly more quickly.

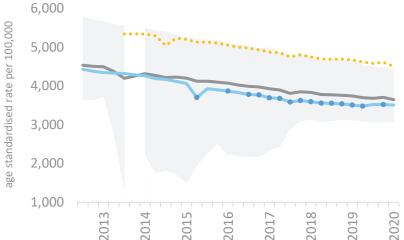
Overall, in January 2020, rates of CHD display a clear relationship with deprivation the grey dotted line is clearly sloping.

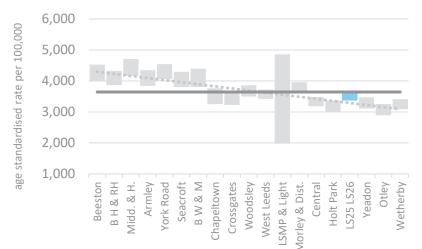
The proportion of each ageband recorded with CHD. It is very prevalent in the oldest age groups, slightly more so in more deprived PCN populations.

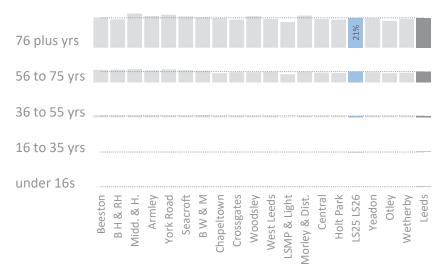
This PCN has average CHD rates for all agebands.

The ageband with the highest CHD rate is 76 plus years, with a rate of 21%

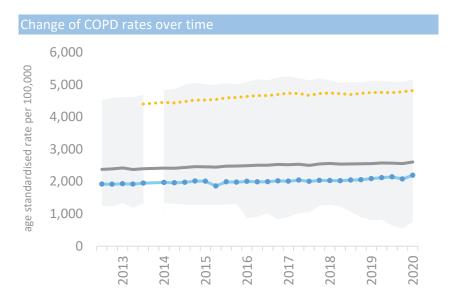




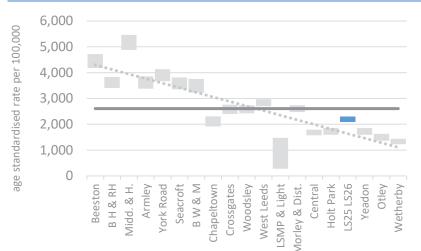




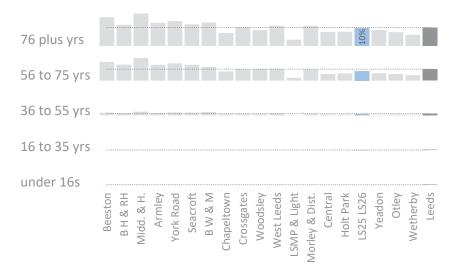
Chronic obstructive pulmonary disorder (COPD) all ages



Rates compared (January 2020) - ranked by deprivation



COPD is more common in older more deprived populations



In a time series we can see that rates have been very slowly increasing for many years.

This PCN has been below the Leeds trajectory for years and recently has begin to climb more quickly than the city.

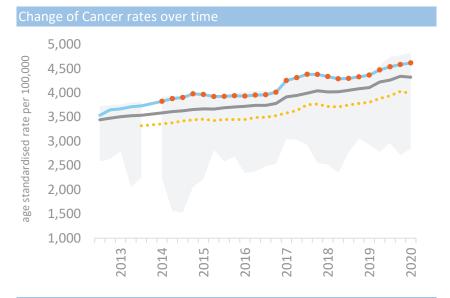
Deprived Leeds is much higher than Leeds overall, and rising while Leeds is almost static.

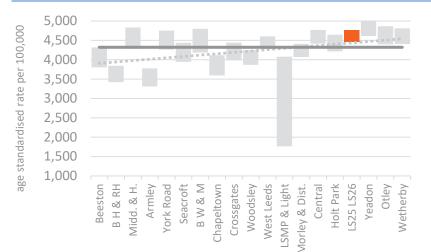
Overall, in January 2020, rates of COPD display a very strong relationship with deprivation the grey dotted line is clearly sloping.

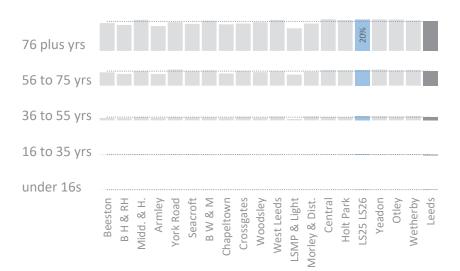
The proportion of each ageband recorded with COPD. It is very prevalent in the oldest age groups, less so in the least deprived PCN populations.

This PCN has average COPD rates for all agebands.

The ageband with the highest COPD rate is 76 plus years, with a rate of 10%







In a time series we can see that rates have been climbing steadily for many years.

This PCN has been well above the Leeds trajectory for years and following the same general trend.

Deprived Leeds is lower than Leeds overall, this is thought to be due to higher cancer mortality, possibly a result of late diagnosis.

Overall, in January 2020, rates of cancer display a weak inverted relationship with deprivation - the grey dotted line is sloped slightly showing lower rates in more deprived PCN populations.

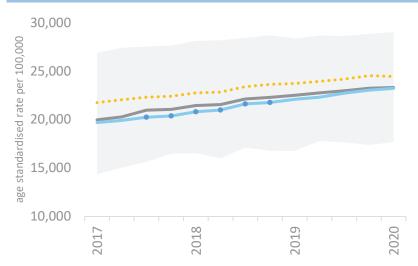
The proportion of each ageband recorded with cancer. It is very prevalent in the oldest age groups, more so in the least deprived PCN populations.

This PCN has average cancer rates in all agebands.

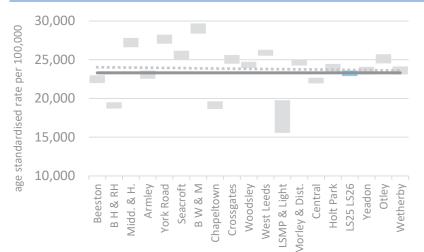
The ageband in this PCN with the highest Cancer rate is 76 plus years, with a rate of 20%

Common mental health issues (CMH) all ages

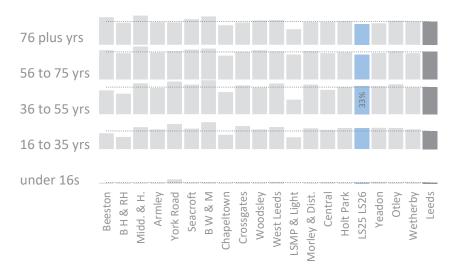
Change of common mental health rates over time



Rates compared (January 2020) - ranked by deprivation



CMH does not vary much by age group or deprivation



In a time series we can see that rates have been climbing steadily for many years.

This PCN has been very close to the Leeds trajectory for years and may be rising more quickly.

Deprived Leeds is higher than Leeds overall and increasing at the same rate.

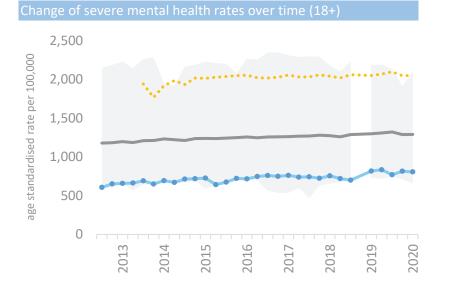
Overall, in January 2020, rates of common mental health don't really display a relationship with deprivation - the grey dotted line barely slopes and PCN rates vary a lot. This may indicate low recording or presentations in some areas.

The proportion of each ageband recorded with common mental health issues. It is very prevalent in most age groups.

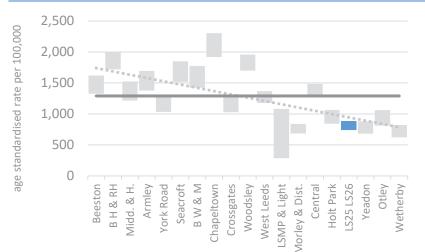
This PCN has average CMH rates for all agebands.

The ageband in this PCN with the highest rate of recorded common mental health issues is 36 to 55 years, with a rate of 33%

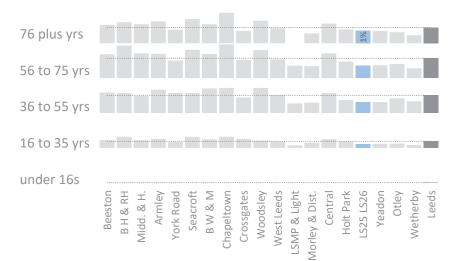
Severe mental health issues (SMH) ages 18+



Rates compared (January 2020) - ranked by deprivation



SMH is more common in older more deprived populations



In a time series we can see that rates have been climbing very slowly for many years.

This PCN has been just about the lowest in Leeds for years, and is rising at about the same rate.

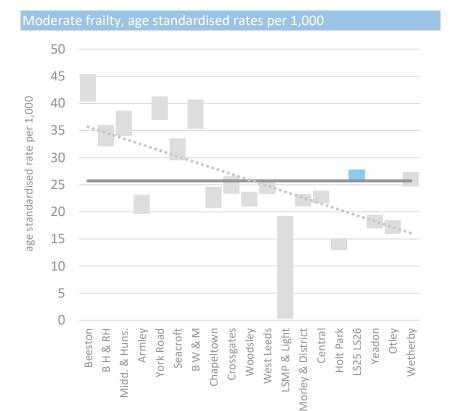
Deprived Leeds is much higher than Leeds overall and increasing at the same slow rate.

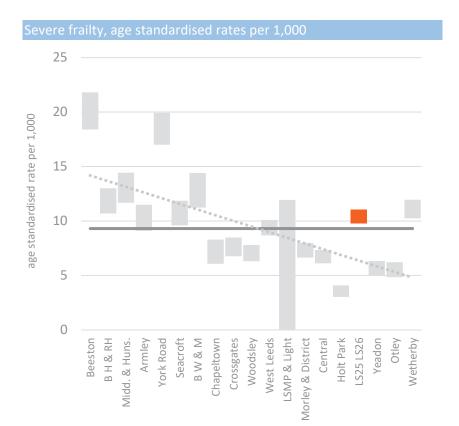
Overall, in January 2020, rates of severe mental health display a very strong relationship with deprivation - the grey dotted line slopes steeply.

The proportion of each ageband recorded with serious mental health issues. It is prevalent in the older age groups, more so in the most deprived PCN populations.

This PCN has below average SMH rates for all agebands especially younger ones.

The ageband in this PCN with the highest rate of recorded severe mental health issues is 76 plus years, with a rate of 1%





Moderate frailty rates per 1,000 show a strong relationship with deprivation.

Despite outliers the picture is of higher rates in more deprived PCN populations, and lower rates in less deprived PCNs.

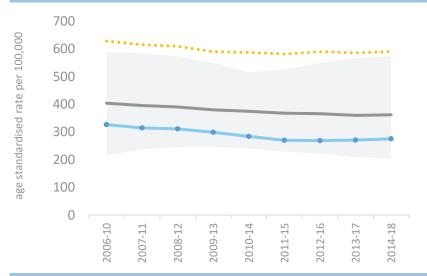
'LSMP & The Light' PCN has a very low rate and a very wide range of confidence, the population contains few elderly patients hence the wide range.

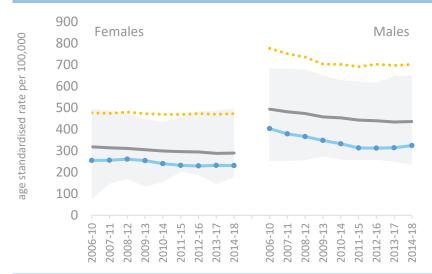
Wetherby PCN however has an average rate of frailty despite its position as least deprived PCN population in the city.

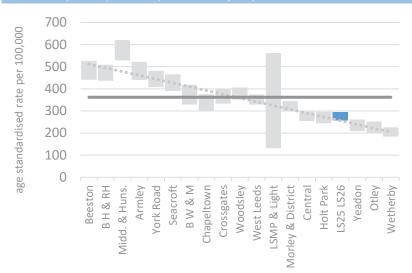
Severe frailty also has a strong relationship with deprivation, and again Wetherby PCN stands out as having a rate well above average.

Age standardisation of this data has removed age as a factor in differences so there is another reason for this. It could perhaps be improved recording or presentation by patients.

Source: Leeds Data model March 2019







In a time series we can see that rates have been dropping very slowly for many years.

This PCN has always been significantly below the city average, and until recently was falling more quickly than Leeds.

Deprived Leeds is much higher than Leeds overall and decreasing at the same slow rate.

An overall mortality rate often hides very different rates for the different sexes. Here are the separate female and male rates.

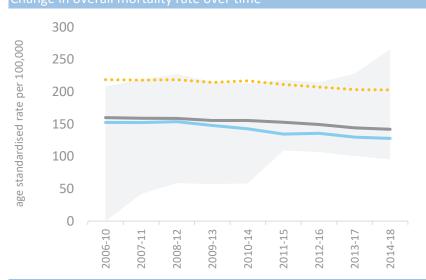
Both mortality rates are far below Leeds, but the male rate is beginning to increase in recent years.

Overall mortality rates are shown here for all PCNs. there is a strong and consistent link with deprivation where less deprived PCN populations have lower mortality rates.

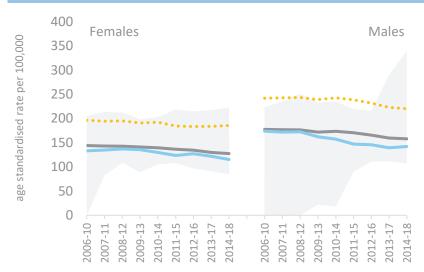
This PCN is where we expect it to be, and is significantly lower than several more deprived PCNs.

Source: ONS, GP registered populations

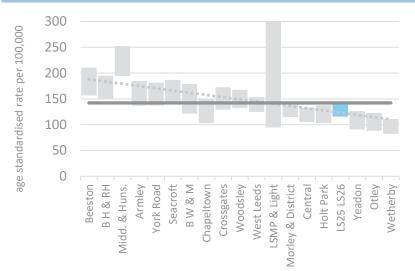
Cancer mortality (under 75s)



Female and male rates over time



Rates compared (2014-18) - ranked by deprivation



In a time series we can see that rates have been falling very slowly for many years.

This PCN has been near the Leeds rate for many years, and has been falling a little more quickly.

Deprived Leeds is much higher than Leeds overall and decreasing at the same slow rate.

An overall mortality rate often hides very different rates for the different sexes. Here are the separate female and male rates.

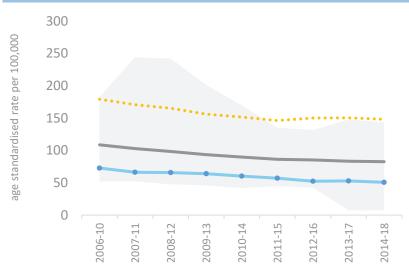
Neither sex are significantly different to Leeds in the recent past, female rates are following the same trends as Leeds but male rates seem to have levelled off.

Overall mortality rates are shown here for all PCNs, there is a clear and consistent link with deprivation where less deprived PCN populations have lower mortality rates.

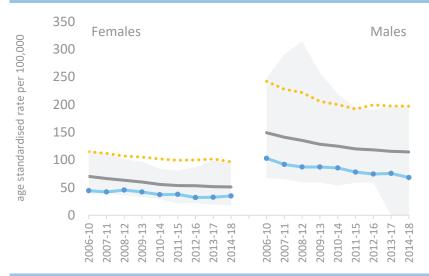
This PCN has an average rate, and is significantly below four more deprived PCNs.

Source: ONS, GP registered populations

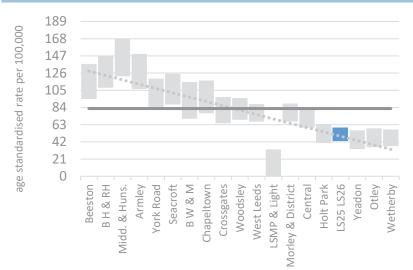




Female and male rates over time



Rates compared (2014-18) - ranked by deprivation



In a time series we can see that rates have been falling very slowly for many years.

This PCN has been significantly below the Leeds rate for many years, and has been falling at more or less the same rate.

Deprived Leeds is much higher than Leeds overall and decreasing at the same slow rate.

An overall mortality rate often hides very different rates for the different sexes. Here are the separate female and male rates.

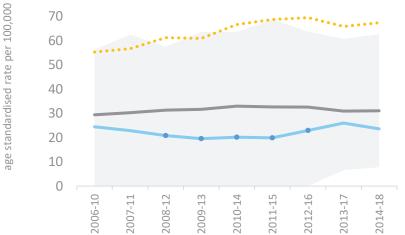
Rates for both sexes have been significantly below those of Leeds for years, female rates though may have flattened off in recent years.

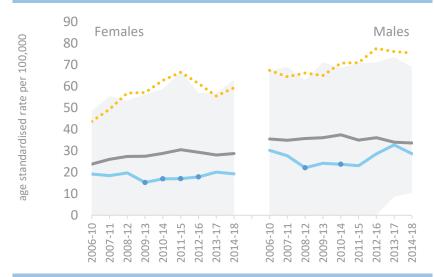
Overall mortality rates are shown here for all PCNs, there is a clear and consistent link with deprivation where less deprived PCN populations have lower mortality rates.

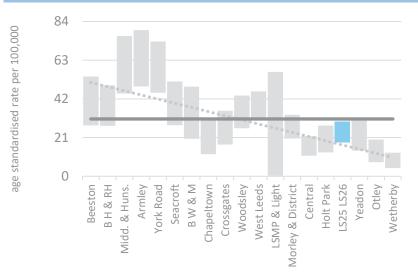
This PCN has a well below average rate that is significantly below twelve more deprived PCNs.

Source: ONS, GP registered populations









Source: ONS, GP registered populations

In a time series we can see that the Leeds rate has been rising very slowly for many years.

This PCN was significantly below the Leeds rate for many years, recent increases mean it has an average rate close to that of Leeds.

Deprived Leeds is much higher than Leeds overall and increasing much more quickly.

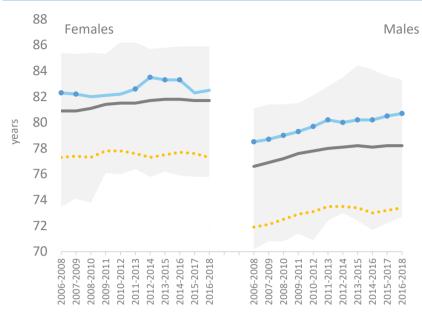
An overall mortality rate often hides very different rates for the different sexes. Here are the separate female and male rates.

Female rates are increasing more slowly than Leeds, but while citywide male rates are falling, in this PCN they are increasing or static at best.

Overall mortality rates are shown here for all PCNs, there is a relatively consistent link with deprivation where less deprived PCN populations have lower mortality rates.

There is a clear and strong link between deprivation and mortality. This PCN has an average rate that is a bit higher than expected and only significantly lower than four other more deprived PCNs.





In a time series we can see that rates have been climbing slowly for many years. Male figures are improving more quickly but still generally lower than females.

This PCN has been significantly above Leeds levels for a long time, male data is improving more quickly than Leeds, but female LE is static.

Deprived Leeds is much lower than Leeds overall and more or less static while Leeds slowly improves.

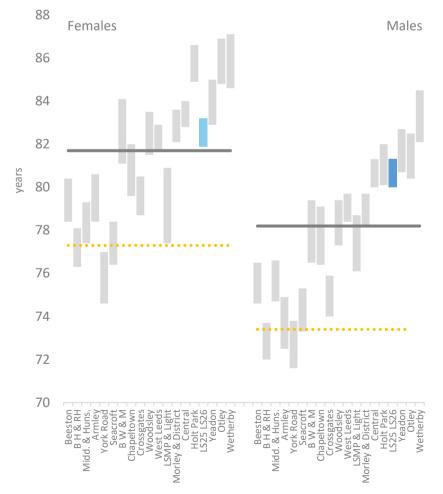
Life expectancy 95% confidence interval ranges are shown here. PCNs are ranked by *footprint* deprivation scores and those with lower deprivation have much higher life expectancy.

The link to deprivation is especially clear for males.

In 2016-18 male life expectancy is quite close to female in this PCN footprint, primarily due to recent drops in female figures.

Male life expectancy however is significantly ahead of similar PCN Morley & District.





Bars in this chart encompass 95% confidence intervals, Leeds and deprived Leeds have very narrow confidence intervals and can be illustrated with a line. Source: ONS deaths extract, GP registered populations.

