Armley LCP Health and Wellbeing profile 2018

Half of the Armley LCP population are living in the second most deprived fifth of Leeds, and the remaining majority in the most deprived fifth of the city. The age structure is quite similar to Leeds except having fewer young adults.

The population of Armley LCP has seen a small increase in the proportion of patients aged 0-9 years old. The elderly population of Armley has become slightly more prevalent too, but many LCPs have seen larger rises – especially those with the least deprivation.

Asthma in children is slightly above average rates (but with some of the highest actual counts of patients). Child obesity has fluctuated quite a lot, ranging from lowest to highest in the city at different times, this is partly due to low numbers of children. Currently the LCP has the highest rate of child obesity (Reception classes) in the city.

In Leeds ethnicity recording by GPs has been improving steadily; fewer patients have no ethnicity record and accuracy is improving which contributes to increases in ethnic categories. The Armley LCP population is predominantly 'White background' (this is also the fastest rising category) and the 'White British' group is almost exclusively contributing to this growth.

Smoking in LCP populations is very strongly linked to deprivation but the good news is the most deprived LCPs that have the highest rates are showing slightly faster declines than the least deprived – smoking cessation efforts are focussed in deprived parts of the city. Smoking rates for this LCP are among the highest in the city, however they are falling steadily and at a similar rate to Leeds. Almost a quarter of smokers in Armley are aged between 30 and 39. Adult obesity in Armley is in the top group of all LCPs, and increasing more quickly than Leeds is. The majority of obese smokers are within the 40 to 49 year old bracket and the number is more or less constant.

Diabetes, Coronary Heart Disease (CHD) and COPD rates are in line with the expected pattern relating rates with population deprivation levels; diabetes is significantly above Leeds and rising slightly more quickly, and CHD is just above Leeds but falling steadily. The COPD rate is high and rising relatively fast compared to other LCPs and the city overall.

The Leeds cancer rate is rising, likely due to improvements in treatment and survival. It is rising in all LCPs, but the some of the highest rates are found in the least deprived. This is thought to be due to early presentation and treatment in less deprived populations who are perhaps more likely to seek early diagnosis. Armley has a below average rate and is rising at the same rate as Leeds.

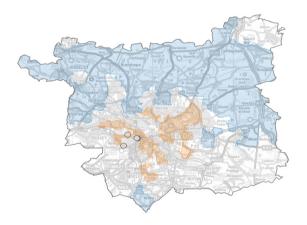
Severe mental health issues such as bipolar disorders, paranoid schizophrenia, and manic episodes are rising slowly in all parts of the city and are generally higher in more deprived areas, Armley LCP has an above average rate but is falling steadily.

Mortality rates generally are falling across the city, and they are clearly related to deprivation, this LCP is showing slightly above average rates and generally following Leeds patterns. Lastly, life expectancy. As expected, the least deprived LCPs have the longest life expectancy, there is some evidence too that the sexes are less different in life expectancy in the least deprived parts of the city. Armley LCP life expectancy is actually quite low – around the same as Harehills and Burmantofts and Richmond Hill.

This report focuses on health indicators for patients of the practices that comprise Armley LCP, because Leeds contains such variation the data for all other LCPs is provided as a backdrop.

Contents

Introduction	1
Contents	2
How to read this report	3
Summary of time series data	4-5
Age structure and deprivation compared to Leeds	6
Ethnicity change over time	7
Population change over time	8
Asthma in children	9
Obesity in children	10
Smoking (16+)	11
Obesity	12
Obese smokers	13
Diabetes	14
Coronary Heart Disease	15
Chronic Obstructive Pulmonary Disease	16
Cancer	17
Common mental health issues	18
Severe mental health issues	19
All Cause mortality (under 75s)	20
Cancer mortality (under 75s)	21
Circulatory disease mortality (under 75s)	22
Respiratory disease mortality (under 75s)	23
Life expectancy	24



This map shows the most and least deprived fifths of Leeds in orange and blue.

The populations of these practices (or branches) make up the data for this LCP: B86003, B86024, B86060, B86071, B86672. They are also shown on the map.

In this report Local Care Partnerships (LCPs) are groups of practices, the patients registered at these practices make up the LCP populations. In a small number of cases branches of a single practice are in more than one LCP, when this happens the practice population of the practice is allocated to the nearest branch to their home address LSOA centroid, and from there attributed to the LCP for that branch. The defintion of LCPs might be switched to a geographical footprint alternative later in 2018, an updated report will be issued should this happen.

Much of the data in this profile is produced with the outputs of the quarterly data extraction programme run by the Public Health Intelligence Team on GP practice systems in Leeds. **Credits:** Quarterly data extraction programme data (populations, ethnicity, mental health, smoking, copd, chd, diabetes, obesity, cancer), supplied by James Womack Public Health Information Manager (Data & Systems). Life expectancy source: ONS deaths extract, GP registered populations by Richard Dixon Public Health Intelligence Manager. Mortality source: ONS and GP registered, by Richard Dixon. Child obesity source: National Child Measurement Programme. Report produced by Adam Taylor - Senior Information Analyst Adam.Taylor@leeds.gov.uk.

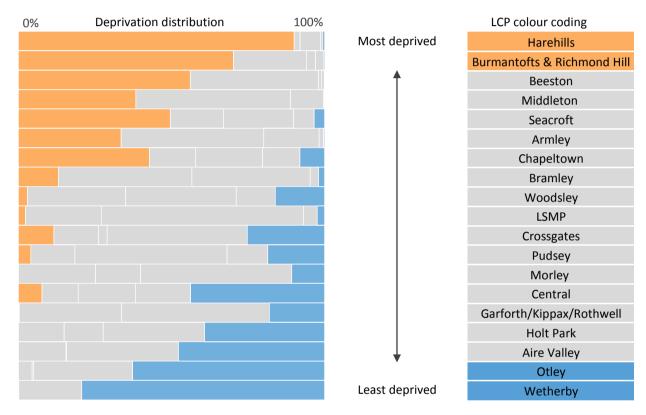
How to read this report

The report highlights a specific LCP throughout while displaying all others for context. Leeds is always represented by a dark grey line, and the most deprived fifth of Leeds as a dotted line.



The proportions of each LCP population who live in these areas are shown below. The LCP classed as the most deprived is 'Harehills' and in the chart around 90% of its population are living in the most deprived 5th of Leeds. The least deprived LCP is 'Wetherby' where almost 80% of patients live in the least deprived fifth of the city.

Leeds is split into five areas by deprivation, from the most deprived 5th of Leeds to the least deprived 5th using these colour codes in this report:



In this way the LCPs have been ranked in order of deprivation, and in this report always appear in that order - from most to least deprived - to illustrate any relationships with deprivation.

Highlighting this LCP: This LCP is highlighted with markers, they also indicate when the LCP is significantly different to Leeds:



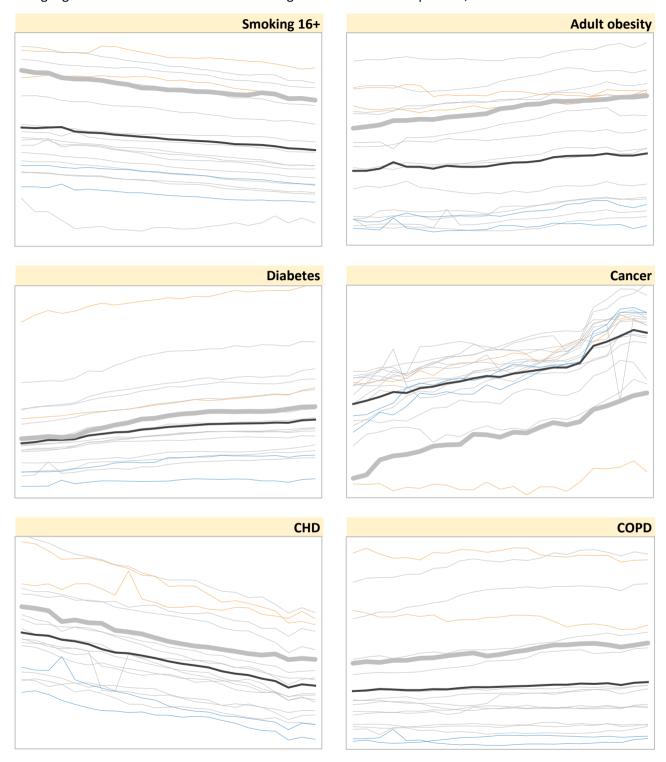
The LCP name will be highlighted in any ranking charts, the LCP will be outlined in any bar charts, and the report text will refer to the LCP.

Deprivation notes: The Index of Multiple Deprivation 2015 was weighted with mid 2015 practice populations to generate the five deprivation areas in Leeds.

Summary of data in this report

All ages unless specified

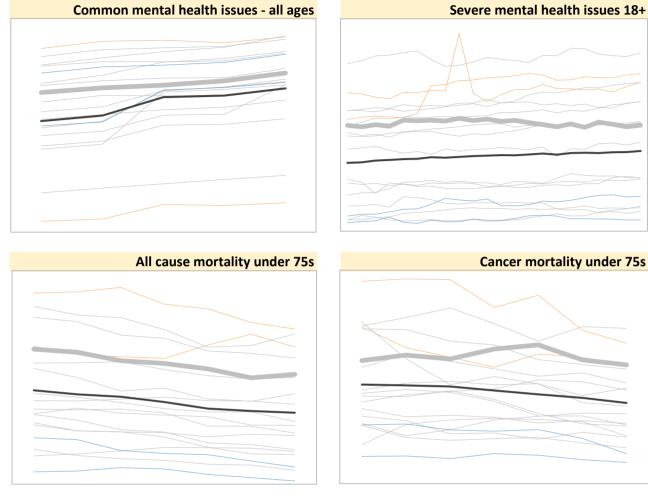
All LCPs are displayed as thin lines showing the range of data in the city. Leeds is a dark grey line. This LCP is highlighted as a thick line. All data here is age standardised rates per 100,000

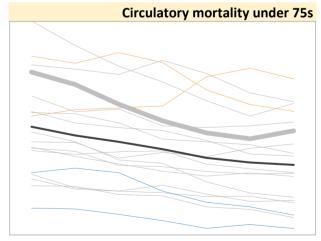


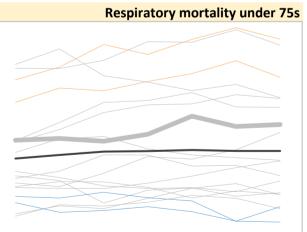
Note: Spikes and drop-outs are commonly the result of incomplete data collections affecting numerators and denominators in certain practices, sometimes due to changeovers in practice software systems.

Summary of data in this report

All LCPs are displayed as thin lines showing the range of data in the city. Leeds is a dark grey line. This LCP is highlighted as a thick line. All data here is age standardised rates per 100,000





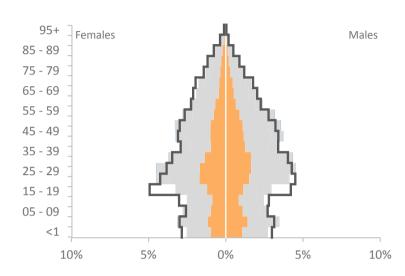


Note: Spikes and drop-outs are commonly the result of incomplete data collections affecting numerators and denominators in certain practices, sometimes due to changeovers in practice software systems.

Age structure and deprivation compared to Leeds (January 2018)

Generally speaking the most deprived LCPs have younger populations than the least deprived.

Age structure of this LCP, compared to Leeds

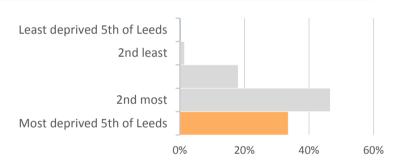


The age and gender proportions of this LCP are shown as shaded areas in colours corresponding to the deprivation fifths of Leeds in the chart below. Leeds is overlaid as a black outline.

Armley LCP age structure is almost identical to that of Leeds, except for slightly fewer young adults.

Deprivation levels are high, the majority live in the most deprived parts of the city.

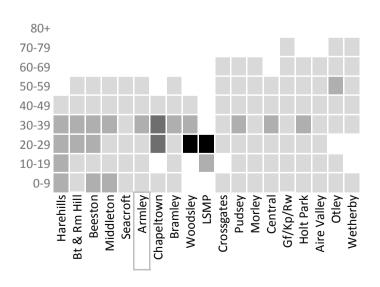
Deprivation in this LCP population



The population of this LCP live in areas of Leeds which can be divided into five groups of most to least deprived.

In Armley LCP 47% of the population live in the 2nd most deprived fifth of Leeds.

Age structures of each LCP compared



This table shows the agebands contributing the most to each LCP population. The most deprived LCPs have a more concentrated younger population, while less deprived LCPs have increasingly older populations.

The 30-39 year ageband in Armley is the largest in this LCP.

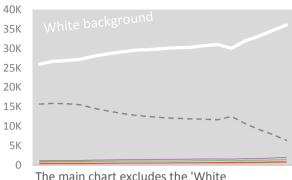
greater than or equal to 25% greater than or equal to 20% greater than or equal to 15% greater than or equal to 11%

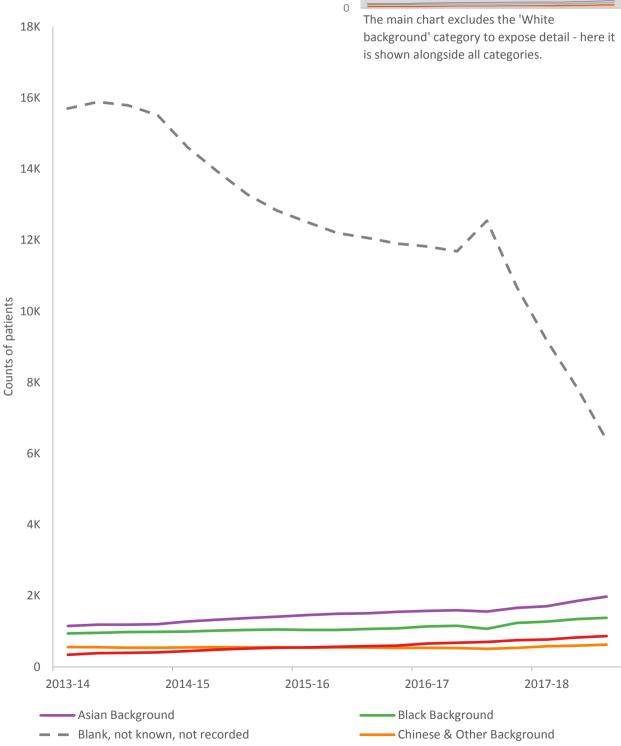
Deprivation notes: The Index of Multiple Deprivation 2015 was weighted with mid 2015 practice populations to generate the five deprivation group areas in Leeds.

LCP ethnicity change over time - categories (mid 2013 to early 2018)

Armley LCP is predominantly 'White background' and that is the category that is rising fastest too. It is the 'White British' group that is causing this growth.

Coding changes have created some artificial peaks in the data. In Leeds only around 12% of patients are without a recorded ethnicity now.





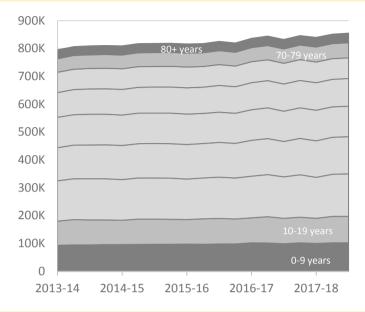
Source: Leeds GPs quarterly data extraction programme

Mixed Background

Population change over time

Most LCPs have a larger population than they had in 2013. Generally speaking the least deprived have seen an increase in elderly patients but barely any change in children, while the opposite is likely in more deprived LCPs.

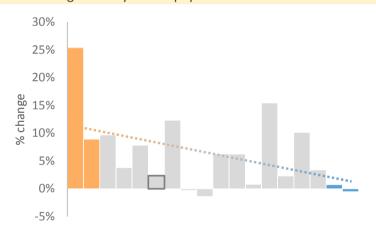
Leeds population size change over time - in 10yr age bands



The population of Leeds (registered with a Leeds GP) over the last four years. The very oldest and youngest age bands are shaded. Overall, Leeds shows a constant increase of around 6% in the time period shown, while the age band to grow the most was the 30-39 year olds.

As usual the variations at local level tell a different story.

LCP % change in 0-9 year old population between 2015 and 2018



There is a visible but weak pattern in the increase of the proportion of young children in the more deprived LCPs, while the less deprived LCPs have seen smaller increases. 'Harehills' stands out as having the largest increases in the city.

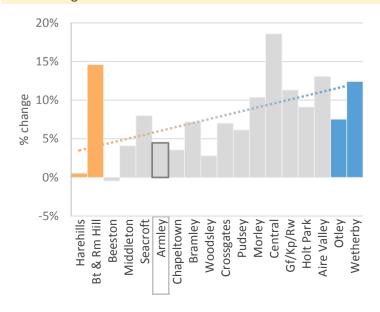
The way the older population of each LCP has changed is slightly different.

Very generally speaking (and overlooking the obvious growth in 'Burmantofts and Richmond Hill' which is a large change in proportion but quite low counts), the least deprived LCPs have seen a larger change in their older populations compared to the more deprived LCPs - 'Harehills' and 'Beeston' have barely changed.

The number of children in this LCP changed from 6,076 to 6,219, while the population aged 70+ has increased by around 200.

Source: Leeds GPs quarterly data extraction programme

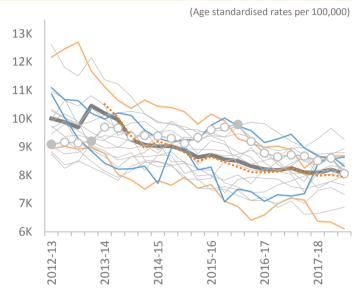
LCP % change in the over 70s



Asthma in children

Rates are generally falling, and change is happening slowest in the least deprived areas but LCP rates are all quite similar.

Change of rates over time

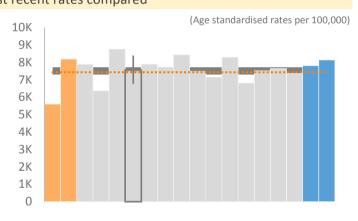


In a time series we can see rates have been falling for many years, and the LCPs are falling at more or less the same rate - except the least deprived ones which are dropping more slowly.

Most recent data shows this LCP not to be significantly different to Leeds.



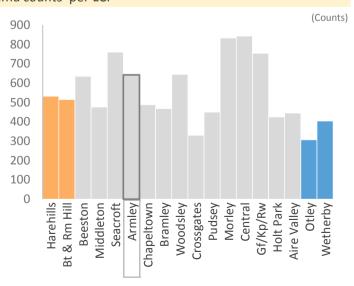
Most recent rates compared



Looking at the most recent data from January 2018 we can see that rates are following a very weak relationship with deprivation.

The LCPs are shown in descending order of deprivation and the bars show a slight increase in size from left to right.

Asthma counts per LCP



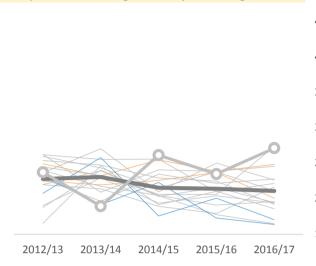
This chart shows the numbers of patients recorded with childhood asthma in the LCPs. Despite similar rates the differing age structures result in a slight drop as deprivation falls, probably reflecting differences in age structure.

Note that LSMP is not shown here, the student medical practice does not contain enough data.

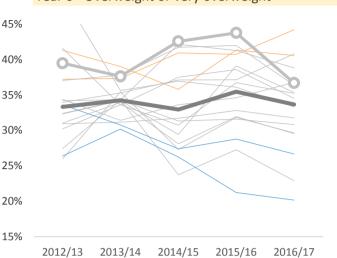
Obesity in children

Rates are generally falling in Reception classes, but Year 6 rates are much more variable with changes related to deprivation levels.

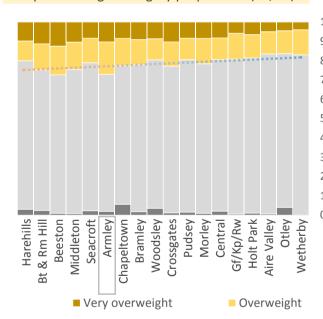
Reception - Overweight or very overweight



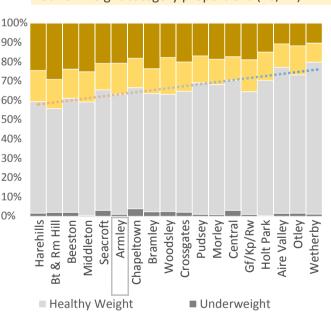
Year 6 - Overweight or very overweight



Reception - weight category proportions (16/17)



Year 6 - weight category proportions (16/17)



Leeds shows a slow reduction in the proportion of Reception children who are classed as 'Overweight or Very Overweight'. The LCPs show quite a lot of variation as numbers are quite low overall. The breakdown of proportions per LCP shows a slight reduction in 'overweight or very overweight' as deprivation falls.

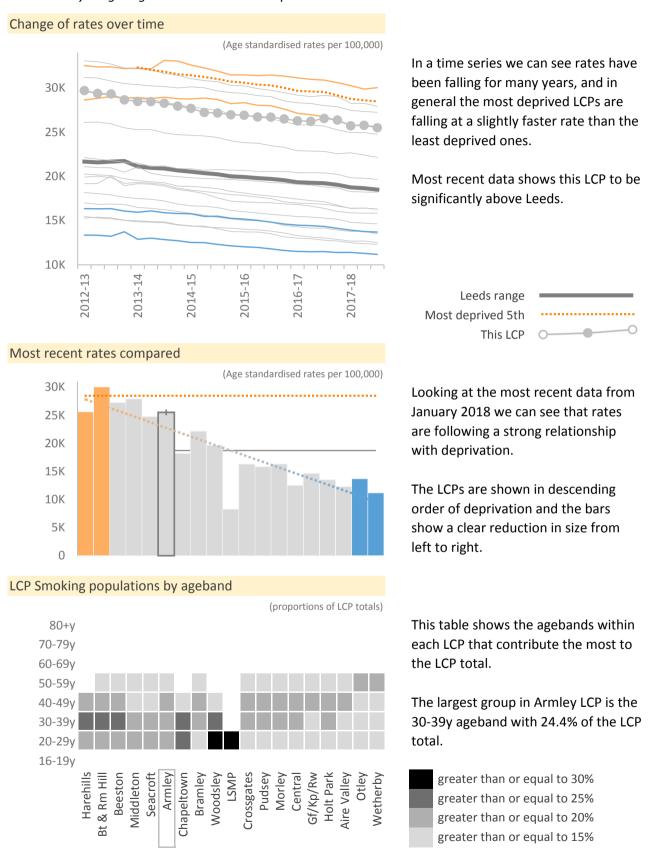
'Overweight or Very Overweight' children in year 6 are becoming slowly more prevalent in Leeds. The LCPs again show quite a lot of fluctuation. There is a strong relationship between deprivation levels and 'Overweight or Very Overweight' proportions.

'Reception' rates are now almost the highest in the city, 'Year 6' rates have been very high in the past.

Source: National Child Measurement Programme. Note that LSMP is not shown here, the student medical practice does not contain enough data for NCMP. NCMP data is aggregated by LSOA to LCP footprint, not by LCP practice membership.

Smoking (16+)

Rates are generally falling, and change is happening fastest in most deprived areas. Smoking is most common in younger age bands in the most deprived areas.



Armley LCP.pdf LCP public health profile

Obesity (adults)

30-39y

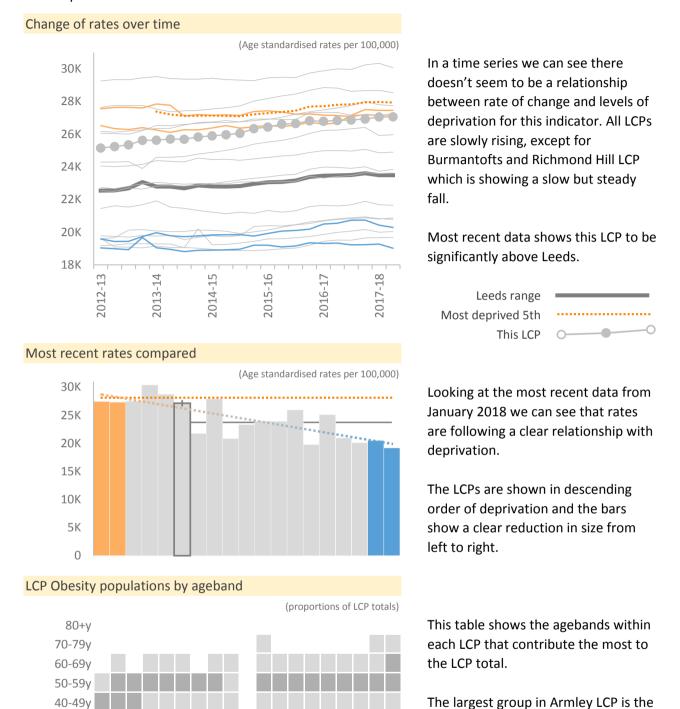
20-29y

16-19y

Rm Hill

જ

Rates are generally climbing, although some areas are showing a levelling off and perhaps a decline in recent quarters.



Chapeltown Middleton Woodsley Crossgates greater than or equal to 15%

This data is collected from practices quarterly and therefore only contains records where patients are presenting and have been questioned. Certain population groups are known to visit their GP rarely.

Bramley

LSMP

Pudsey Morley Central

Armley

Seacroft

50-59y ageband with 22.4% of the LCP

greater than or equal to 30%

greater than or equal to 25%

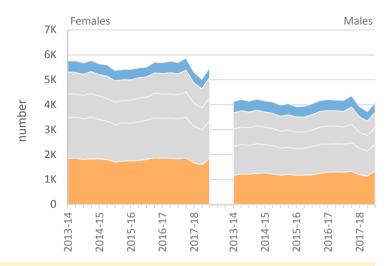
greater than or equal to 20%

total.

Obese smokers (adults for whom both records were updated within 12 months)

There are more women than men who have a BMI above 30 and are current smokers. The gender difference is seen in most LCPs and is slightly more pronounced in the most deprived. (recent large changes in the data are due to data collection issues)

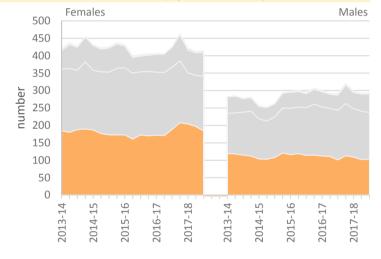
Obese smokers in Leeds, by gender and deprivation



In January 2018 there were 9,573 patients inside Leeds who smoked and were classified as obese.

These charts show the number fluctuating over time, and that there have always been large numbers from more deprived areas (orange layer). Women (who are more likely to be clinically obese) outnumber men in this group.

Obese smokers in this LCP, by gender and deprivation

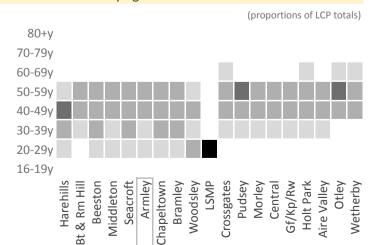


Armley LCP

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

In Armley LCP the growth of both genders has been steady and slow, however the number men in the most deprived fifth of Leeds is dropping slowly.

LCP Obese smokers by age band



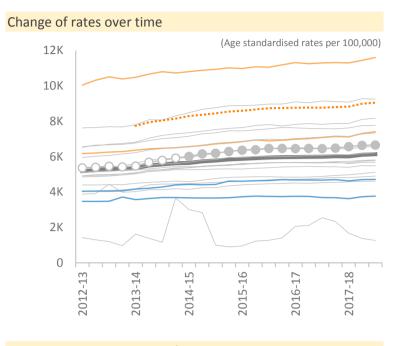
This table shows the agebands within each LCP that contribute the most to each LCP total.

The largest group in Armley LCP is the 40-49y ageband with 23.1% of the LCP total.

greater than or equal to 30% greater than or equal to 25% greater than or equal to 20% greater than or equal to 15%

Diabetes (all ages)

Diabetes in Leeds is very strongly linked to deprivation with the highest rates and fastest rises in the most deprived LCPs, while rates are almost static in Wetherby.

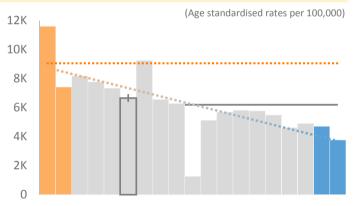


In a time series we can see in general the most deprived LCPs are rising at a much faster rate than the least deprived ones. In Wetherby LCP the rate is virtually static and perhaps now showing a downward trend.

Most recent data shows this LCP to be significantly above Leeds.



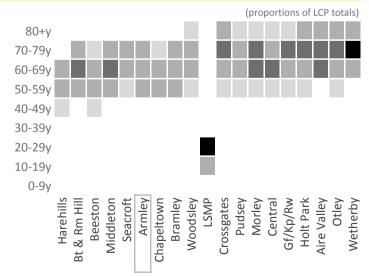
Most recent rates compared



Looking at the most recent data from January 2018 we can see that rates are following a very strong relationship with deprivation.

The LCPs are shown in descending order of deprivation and the bars show a clear reduction in size from left to right.





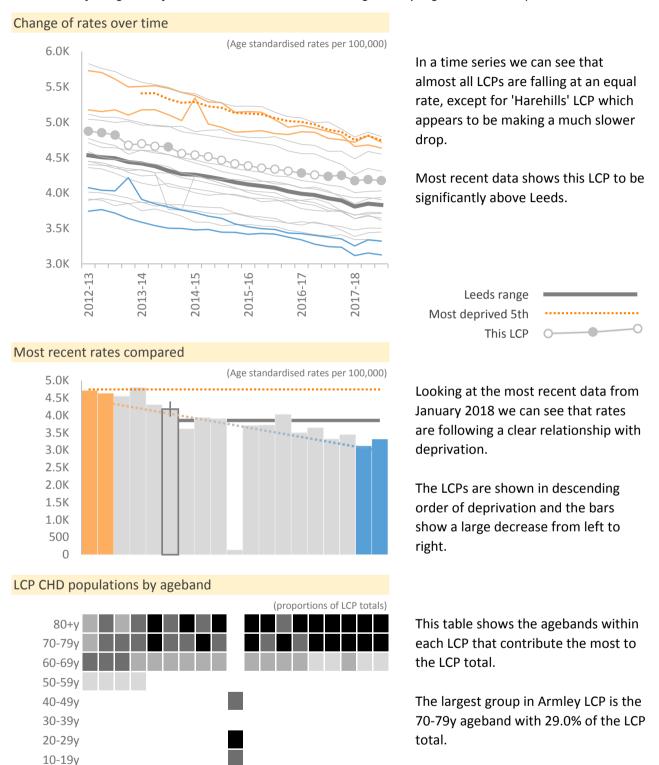
This table shows the agebands within each LCP that contribute the most to the LCP total.

The largest group in Armley LCP is the 60-69y ageband with 24.2% of the LCP total.

greater than or equal to 30% greater than or equal to 25% greater than or equal to 20% greater than or equal to 15%

CHD (all ages)

CHD rates in Leeds are all falling steadily and at the same speed, except for Burmantofts and Richmond Hill which is falling much faster than other LCPs. Rates are generally higher in more deprived areas.



This data is collected from practices quarterly and therefore only contains records where patients are presenting and have been questioned. Certain population groups are known to visit their GP rarely.

Morley

Centra

Crossgates

Armley

Chapeltown Bramley Woodsley

Middleton

0-9y

greater than or equal to 30%

greater than or equal to 25%

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

COPD (all ages)

COPD rates in Leeds are very strongly linked to deprivation with large differences from most to least deprived. Many of the most deprived LCPs have rates which are increasing steadily, but interestingly the two most deprived LCPs are the only in the city to have falling rates.



Cancer (all ages)

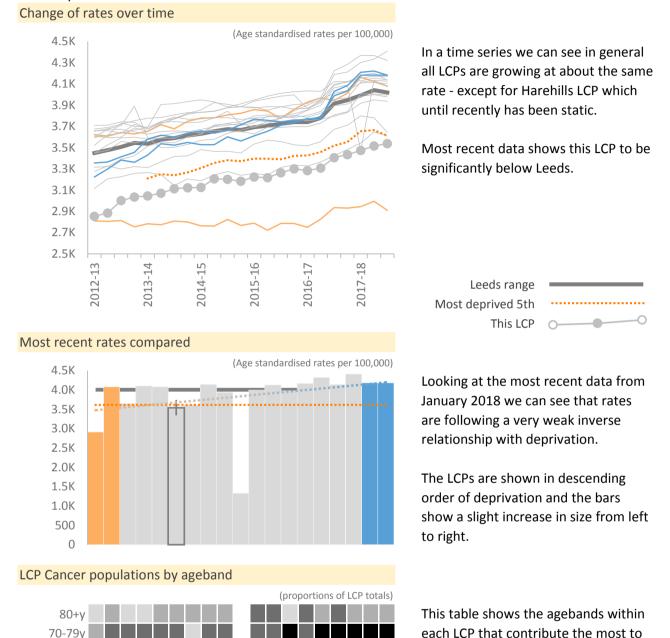
60-69y

50-59y 40-49y

30-39y

20-29y 10-19y 0-9y

Cancer rates in Leeds are linked to deprivation but not in the usual way: the least deprived LCPs have some of the highest rates. This is thought to be due to late diagnosis leading to higher mortality rates in more deprived areas.



Harehills

By Rm Hill

Beeston

Middleton

Middleton

Seacroft

Armley

Chapeltown

Bramley

Woodsley

Contral

Gf/Kp/Rw

Holt Park

Aire Valley

Otley

Wetherby

Otley

Wetherby

Otley

the LCP total.

total.

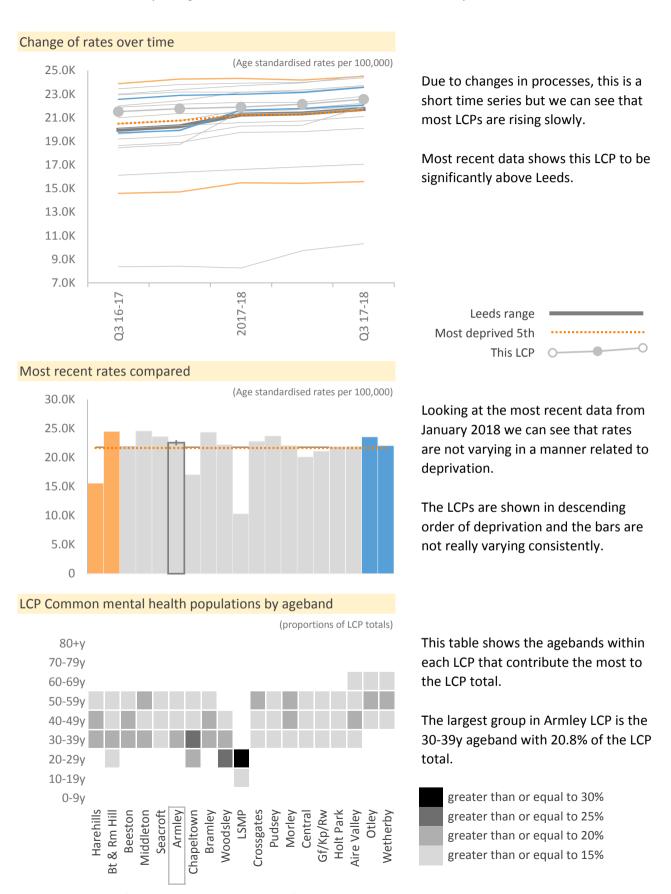
The largest group in Armley LCP is the

70-79y ageband with 28.9% of the LCP

greater than or equal to 30%

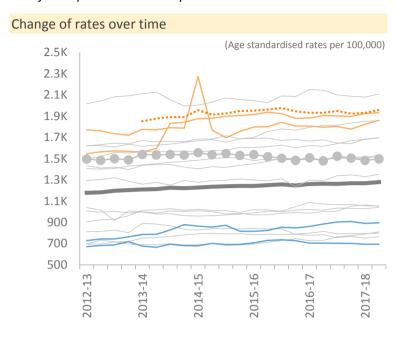
Common mental health issues (all ages)

The Leeds rate is slowly rising, but the time series is too short to draw many other conclusions.



Severe mental health issues (18+)

Severe mental health rates show a strong link to deprivation except for 'Central' LCP that has quite a high rate for its position in the deprivation rank.

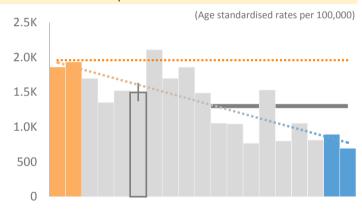


In a time series we can see that all LCPs are following a similar very slow rate of increase.

Most recent data shows this LCP to be significantly above Leeds.



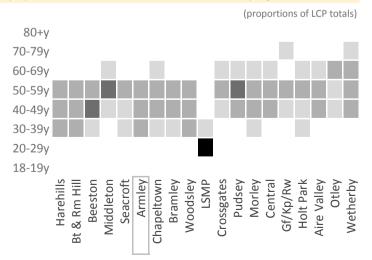
Most recent rates compared



Looking at the most recent data from October 2017 we can see that rates are actually quite strongly related to deprivation, with some exceptions notably 'Central' LCP.

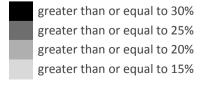
The LCPs are shown in descending order of deprivation and the bars

LCP populations recorded with severe mh, by ageband



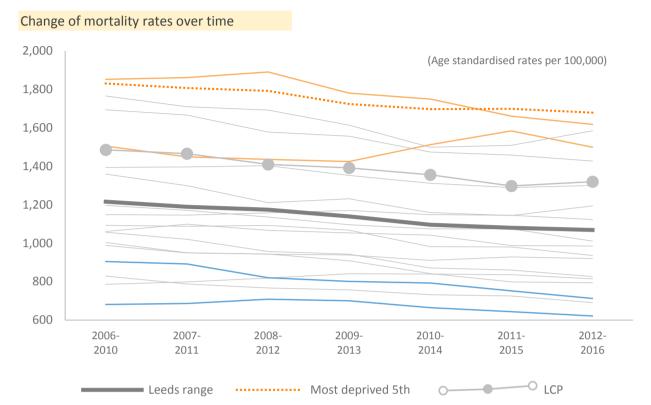
This table shows the agebands within each LCP that contribute the most to the LCP total.

The largest group in Armley LCP is the 30-39y ageband with 20.9% of the LCP total.



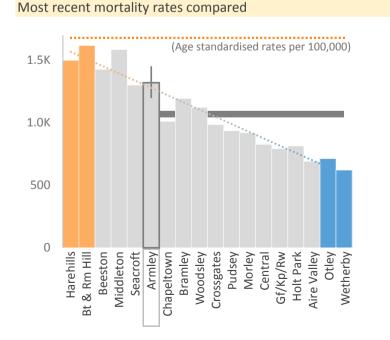
All cause mortality (under 75s)

Mortality rates show a very strong link to deprivation. Most LCPs are falling steadily, and some of those with the highest rates appear to be dropping slightly faster.



In a time series we can see that almost all LCPs are decreasing, with slightly faster drops in those with the highest rates. However the Harehills LCP stands out as for its recent increases.

Most recent data shows the mortality rate at this LCP to be significantly above Leeds.



Looking at the most recent mortality data, we can see that rates are very strongly related to deprivation (except for LSMP which is not shown due to very low rates)

(The LCPs are shown in descending order of deprivation)

Source: ONS, GP registered

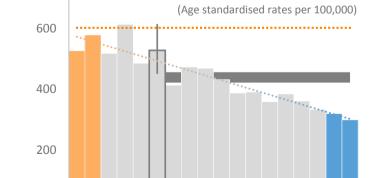
Cancer mortality (under 75s)

Cancer mortality rates show a very strong link to deprivation. LCPs show some variation in change, some rising and some falling. The most deprived seem to be falling slightly faster overall.



In a time series we can see that almost all LCPs are fluctuating, with slightly faster drops in those with the highest rates. However the Chapeltown LCP stands out as for its recent steady increases.

Most recent data shows the mortality rate at this LCP not to be significantly different to Leeds.



Armley

Seacroft

Beeston Middleton Bramley

Woodsley Crossgates

Chapeltown

Morley

Aire Valley

Wetherby

Most recent mortality rates compared

Looking at the most recent mortality data, we can see that rates are very strongly related to deprivation (except for LSMP which is not shown due to very low rates)

(The LCPs are shown in descending order of deprivation)

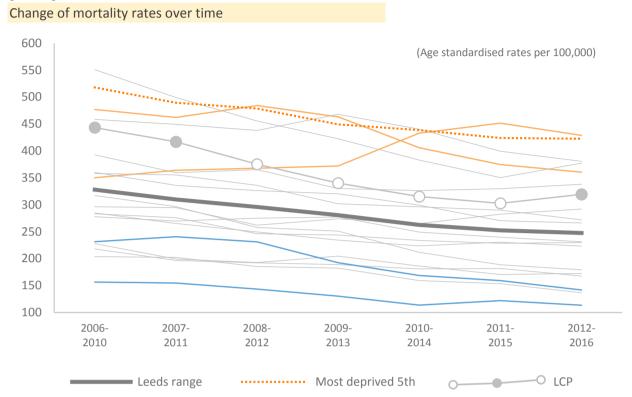
Source: ONS, GP registered

Bt

0

Circulatory disease mortality (under 75s)

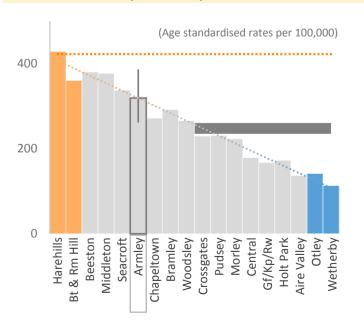
Circulatory mortality rates show an extremely strong link to deprivation. LCPs show some variation in change, some rising and some falling with the most deprived falling slightly faster overall except for the growing Harehills.



In a time series we can see that almost all LCPs are falling slowly, with some recent increases especially 'Harehills' LCP.

Most recent data shows the mortality rate at this LCP to be significantly above Leeds.

Most recent mortality rates compared



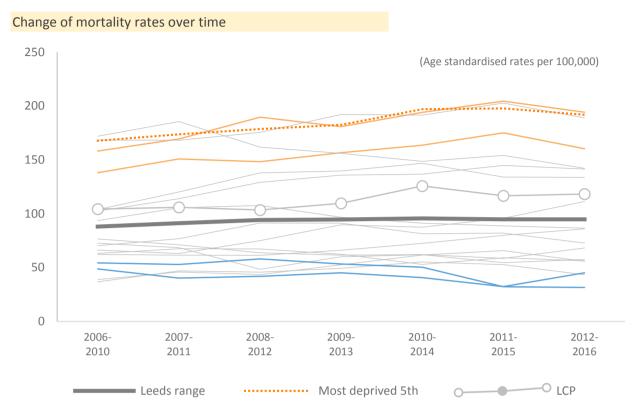
Looking at the most recent mortality data, we can see that rates are extremely strongly related to deprivation (except for LSMP which is not shown due to very low rates)

(The LCPs are shown in descending order of deprivation)

Source: ONS, GP registered

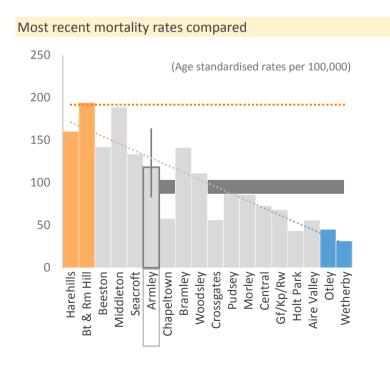
Respiratory disease mortality (under 75s)

Respiratory disease mortality rates show a very strong link to deprivation. There are some stark differences between the most and least deprived LCPs.



In a time series we can see that almost all LCPs are changing steadily, those with the highest rates are climbing fastest.

Most recent data shows the mortality rate at this LCP not to be significantly different to Leeds.



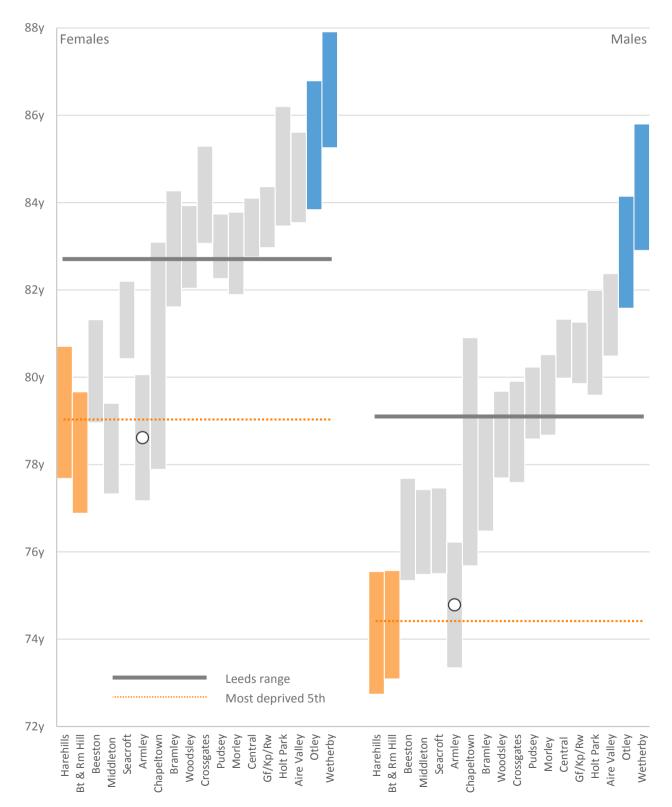
Looking at the most recent mortality data, we can see that rates are very strongly related to deprivation (except for LSMP which is not shown due to very low rates)

(The LCPs are shown in descending order of deprivation)

Source: ONS, GP registered

Life expectancy for women and men, 2014-2016

For both genders there is a clear relationship between deprivation and life expectancy. Male life expectancy is poorer overall and the difference between the sexes is slightly more pronounced in the most deprived LCPs. There is a difference of 3.8 years between the sexes in this LCP.



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.