



# Cardiovascular Disease

CCG and Local Authority Level data for Bradford District & Craven

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# What does the data tell us?

- Mortality rates for Cardiovascular Diseases in Bradford District are higher than those for England and one of the highest in Yorkshire & the Humber.
- In terms of preventable mortality for under 75s, Bradford District rate is significantly higher than England and is the highest in Yorkshire & the Humber.
- Males in Bradford District have a higher mortality rate than females in the District for Cardiovascular Diseases.



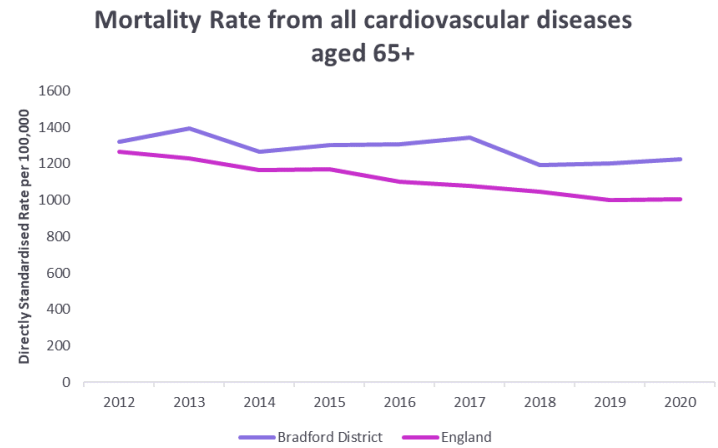
For both Coronary Heart Disease and Stroke, prevalence is lower, but outcomes are worse than other CCGs in Yorkshire & the Humber.

Bradford District has high rates for inpatient admissions for Vascular Dementia and has one of the highest rates in Yorkshire & the Humber.

Bradford District has high rates for emergency hospital admissions for Myocardial Infarction.

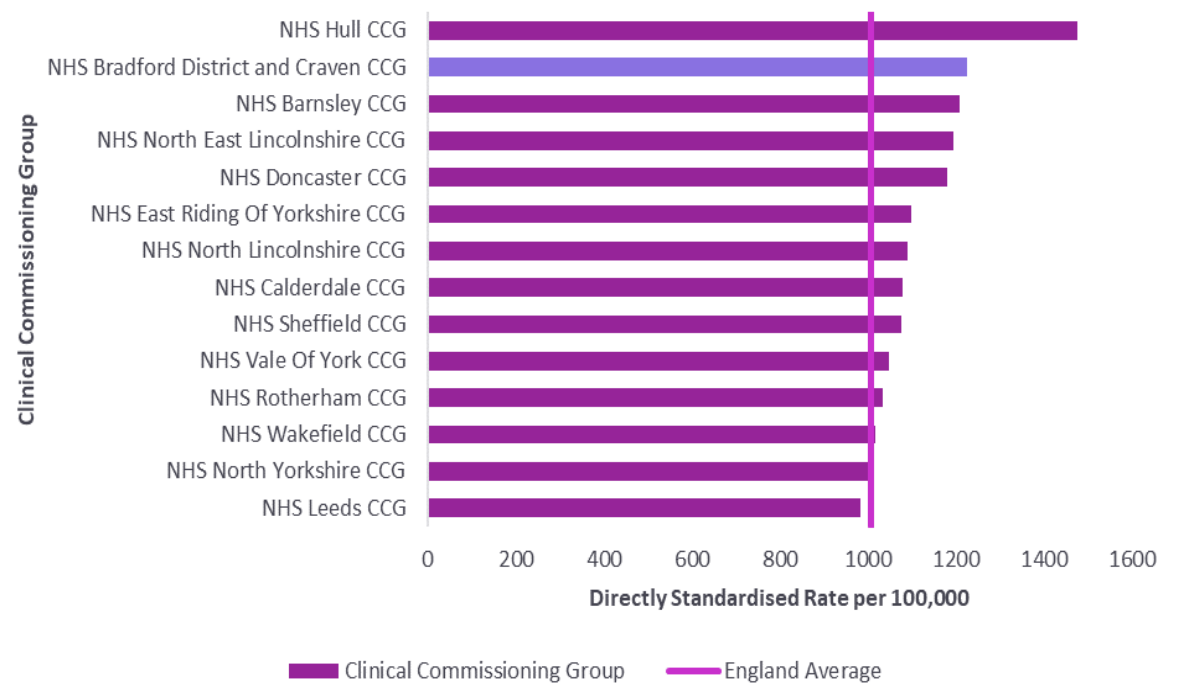
Risk factors with the highest prevalence in Bradford District and Diabetes and physical inactivity.

Bradford District & Craven has the **second highest** mortality rate for CCGs across Yorkshire & the Humber (1225 per 100,000) for all Cardiovascular diseases. This has consistently been higher than the national average and remained **significantly higher in 2020** (1007 per 100,000).



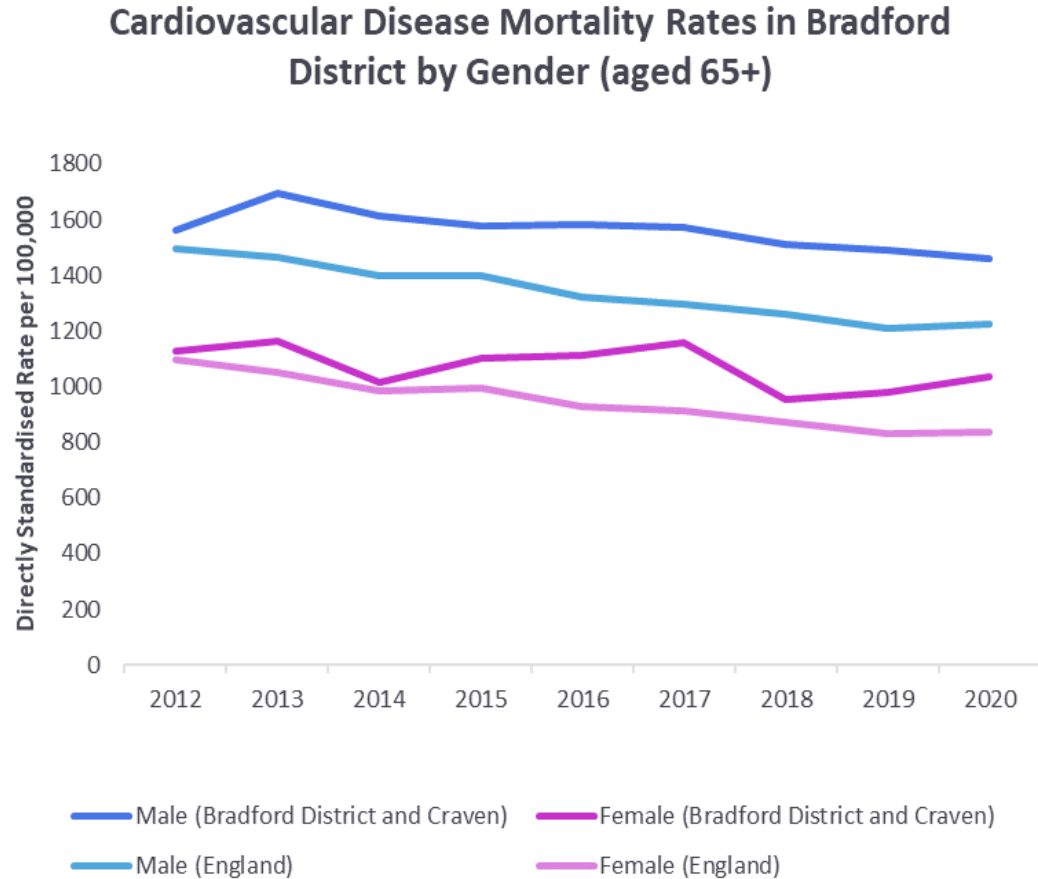
In 2020, Bradford District & Craven had the **4<sup>th</sup> highest** mortality rate for Cardiovascular Diseases out of 106 CCGs. This is the **worst** it has been for 8 years.

Mortality rate for cardiovascular diseases aged 65+ across Yorkshire & the Humber CCGs



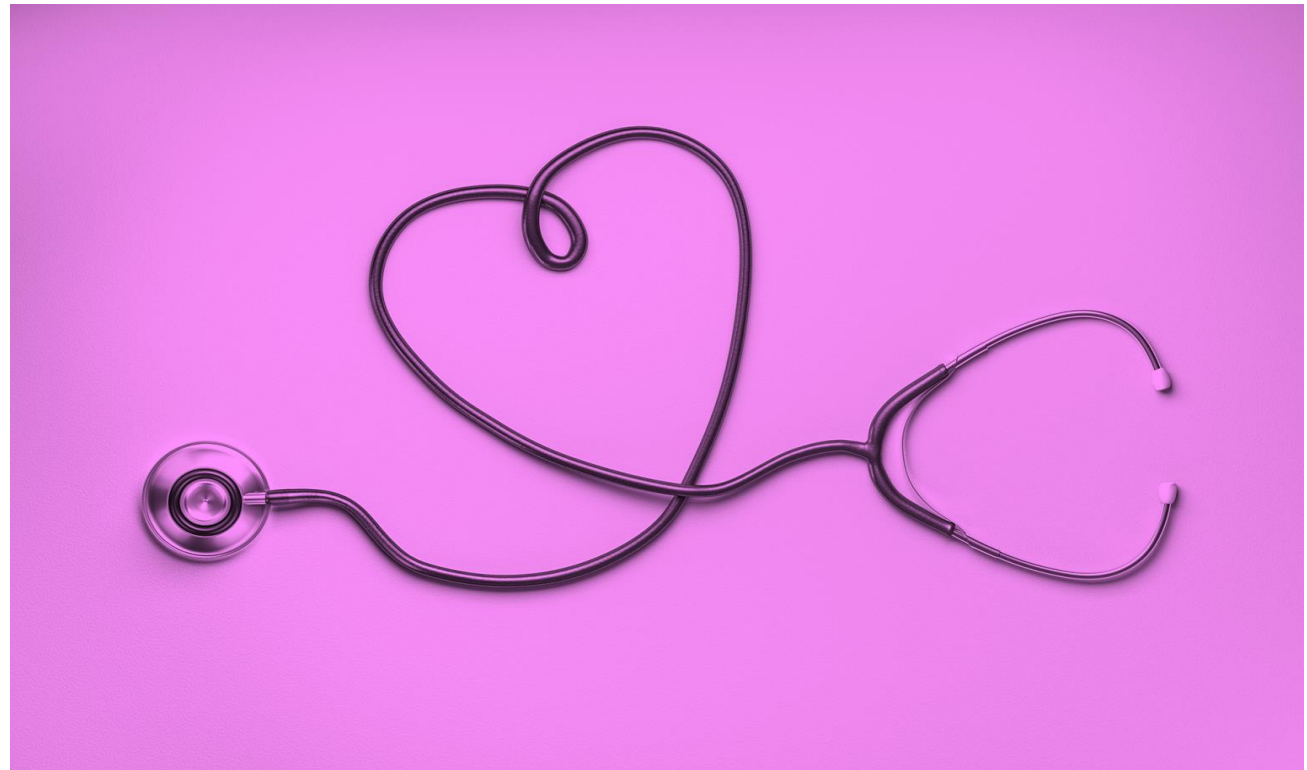
# Mortality Rates for Cardiovascular Diseases

# Mortality Rates for Cardiovascular Diseases



With a rate of 1458 per 100,000, males have a **significantly higher** rate than females in Bradford District & Craven (1036) and a **higher** rate than the England average for Males (1224). Females in Bradford District have a **higher** rate than the national average for females (834).

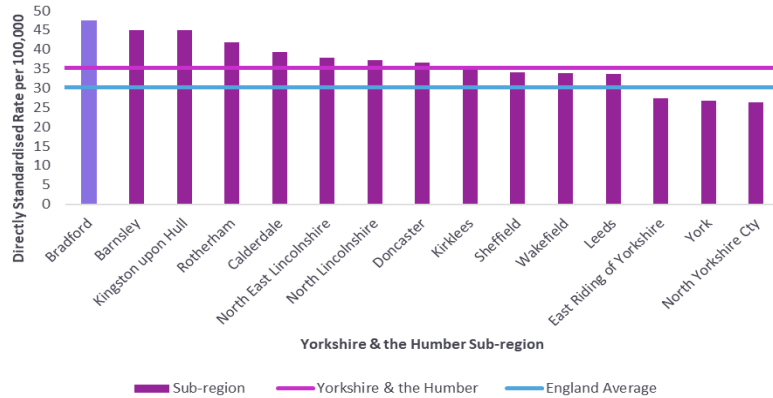
The trend is **similar** for all males and for the national average for females. However, the rate for females in Bradford District & Craven deviates from this pattern, displaying more fluctuations and ticking up in 2020.





# Under 75 mortality for Cardiovascular Diseases considered preventable

Under 75 rate for cardiovascular diseases considered preventable 2021



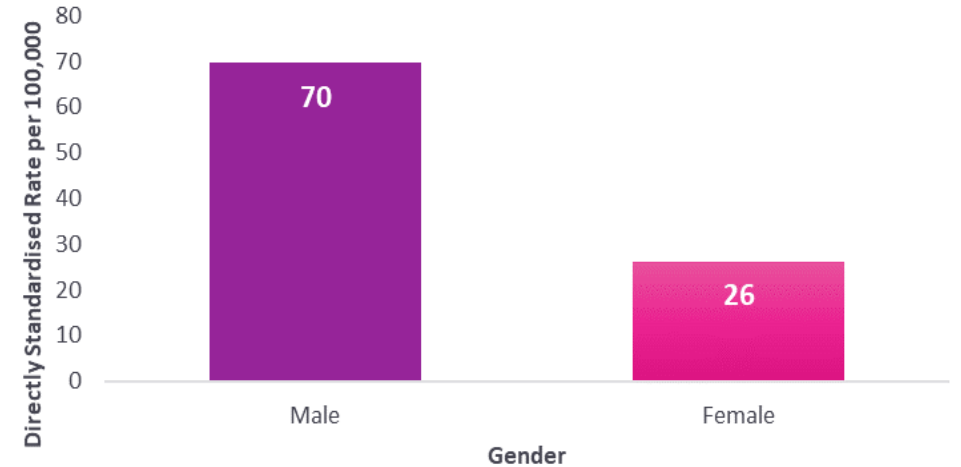
In terms of mortality rates for under 75s considered preventable, CCG level data is unavailable, so the data is Local Authority level. Bradford District rate per 100,000 population (48) is **significantly higher** than both the regional (35) and national (30) rates and is the **highest in all Yorkshire & the Humber sub-regions**.

Bradford District is ranked **11<sup>th</sup> highest** of 150 Local Authorities for under 75 mortality rate for Cardiovascular Disease considered preventable

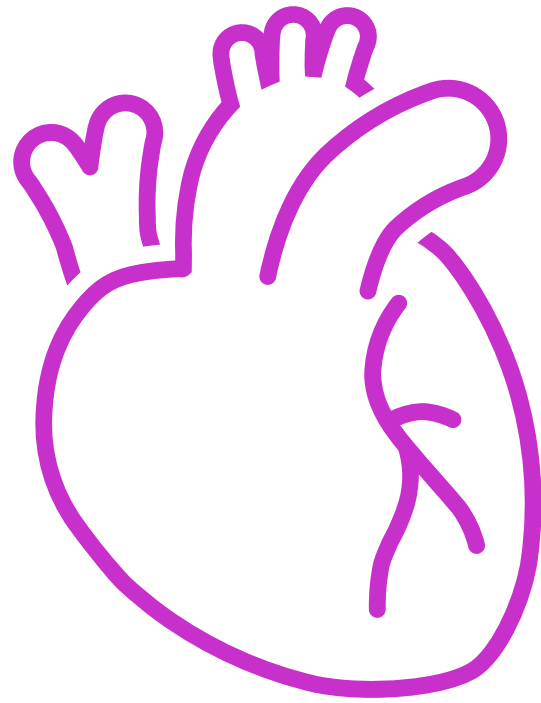
Males in Bradford District have the **5<sup>th</sup> highest** under 75 mortality rate for cardiovascular diseases considered preventable of 150 Local Authorities

Females in Bradford District have the **14<sup>th</sup> highest** under 75 mortality rate for cardiovascular diseases considered preventable of 150 Local Authorities

Under 75 mortality rates for cardiovascular diseases considered preventable in Bradford District by gender



In Bradford District the rate for males per 100,000 (70) is **significantly higher** than for females (26). Both male and female rates in the District are **higher** than the national averages for males (44) and females (17), though this is not statistically significant.



# Cardiovascular Diseases



# Types of Cardiovascular diseases

There are many varieties of Cardiovascular disease. The four main types are:

- Coronary Heart Disease: can lead to Angina, heart attack and heart failure
- Stroke or Transient Ischaemic Attack (TIA)
- Peripheral Arterial Disease (PAD)
- Aortic Disease

Other types include:

- Vascular Dementia
- Myocardial Infarction (Heart Attack)
- Atrial Fibrillation
- Heart Failure

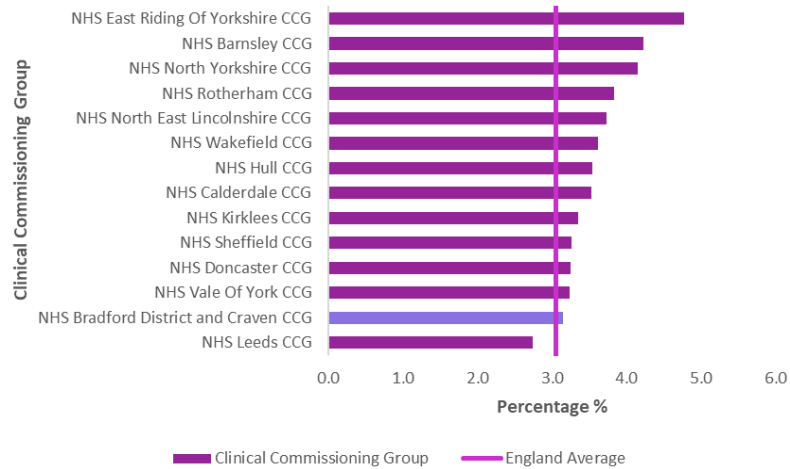




# Coronary Heart Disease: Prevalence and admissions



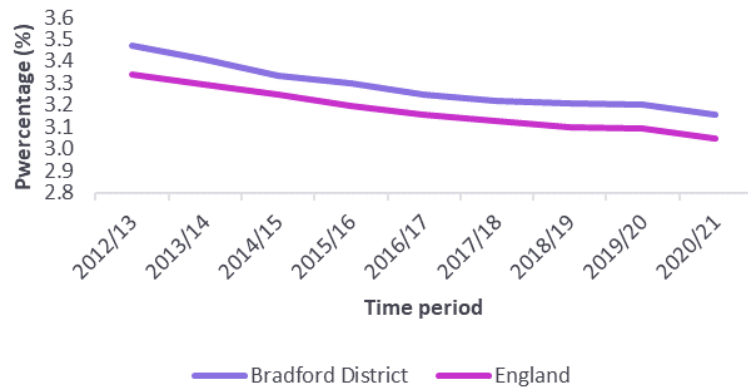
Coronary Heart Disease: QOF Prevalence (all ages) 2020/21



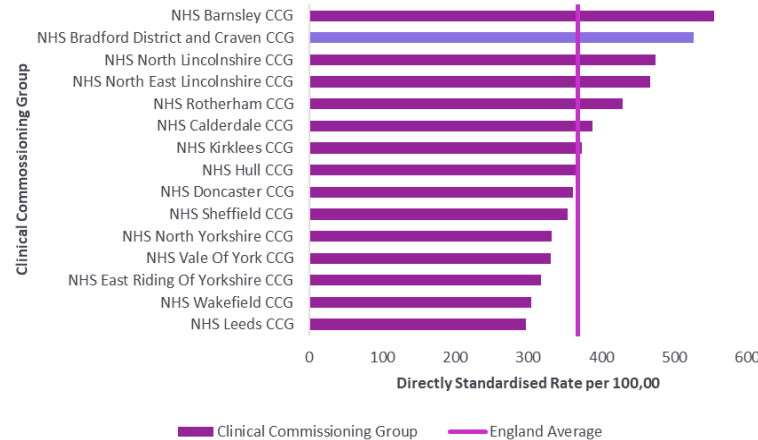
Bradford District & Craven is **similar** to the England average for Coronary Heart Disease with a prevalence of 3.2% compared to England's 3%. This is the **second lowest** in Yorkshire & the Humber.

There has been a steady decline from 2012/13 – 2020/21 which mirrors the England average.

Coronary Heart Disease: QOF Prevalence (all ages)



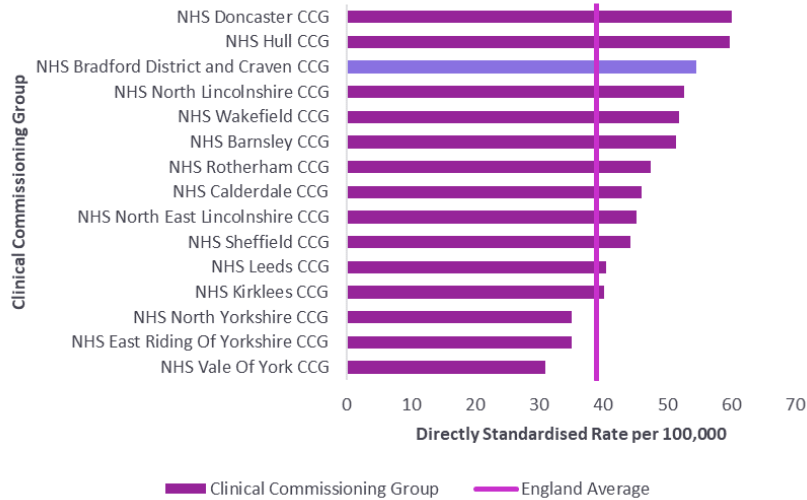
Coronary Heart Disease all age admissions across Yorkshire & the Humber 2020/21



Though prevalence is similar to the national average for Coronary Heart Disease, admissions were **significantly higher** in 2020/21 than the England average with a rate of 526 per 100,000 population compared with 368 for England. This is the **second highest rate** in Yorkshire & the Humber.

# Coronary Heart Disease: Mortality Rates

Coronary Heart Disease mortality rates (under 75) across Yorkshire & the Humber

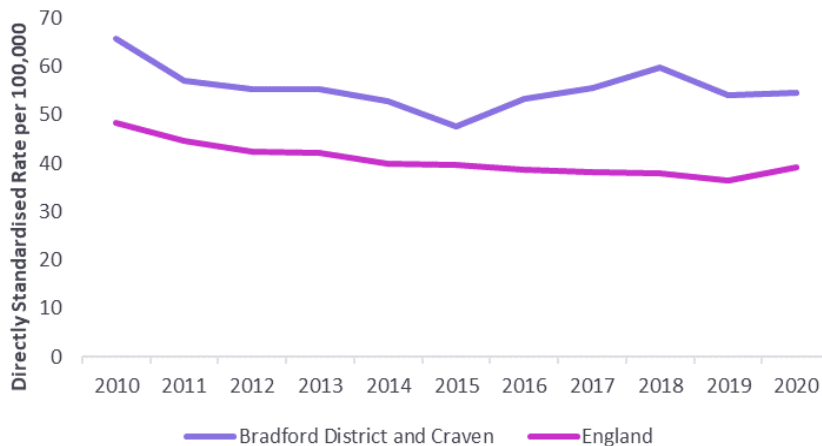


Mortality rates for Coronary Heart Disease (under 75) in Bradford District & Craven have consistently been **significantly higher** than the England average since 2010. This has fluctuated throughout the data period and appears to plateau in 2020. had the **third highest** rate in Yorkshire & the Humber with 55 per 100,000 population in 2020.

Out of 106 Clinical Commissioning Groups, Bradford District & Craven is ranked **18<sup>th</sup> highest** for under 75 mortality rates for Coronary Heart Disease and is ranked **8<sup>th</sup> highest** for all ages

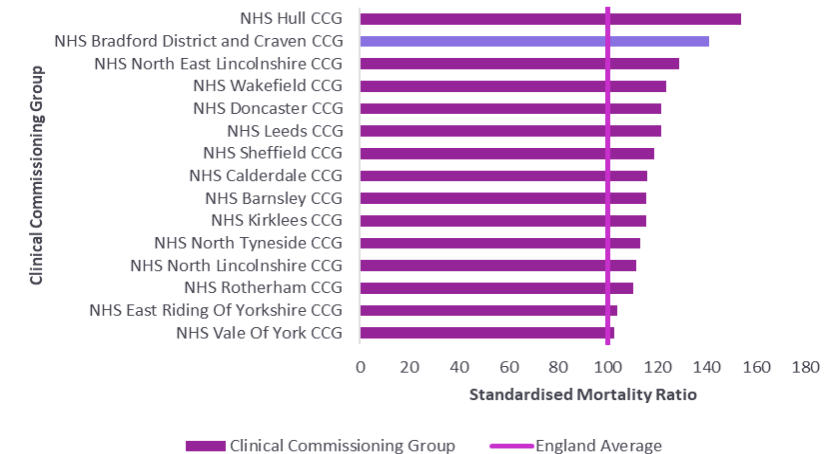


Coronary Heart Disease Mortality Rate (Under 75)



For all ages mortality, data available covers a five-year period from 2016-2020 so there is no trend data available. Bradford District and Craven rates are again **significantly higher** than England average per 100,000 population with 141 compared to England with 100. This is the **second highest** rate in Yorkshire & the Humber.

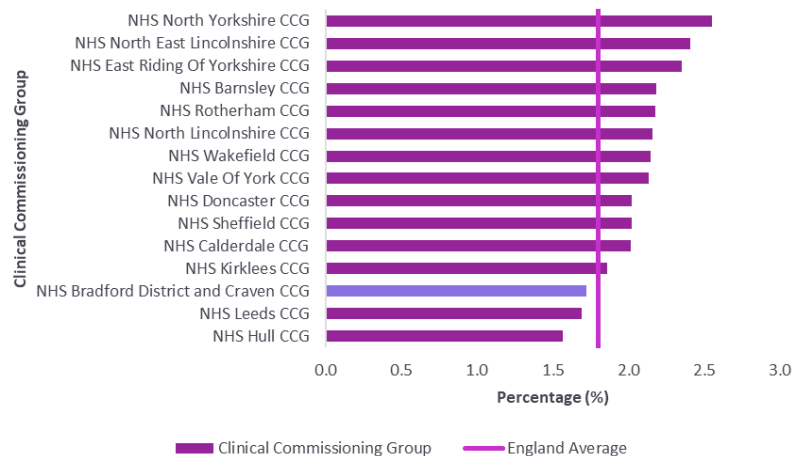
Deaths from Coronary Heart Disease, all ages



# Stroke and Transient Ischaemic Attack (TIA)



Stroke: QOF Prevalence (all ages) across Yorkshire & the Humber 2020/21

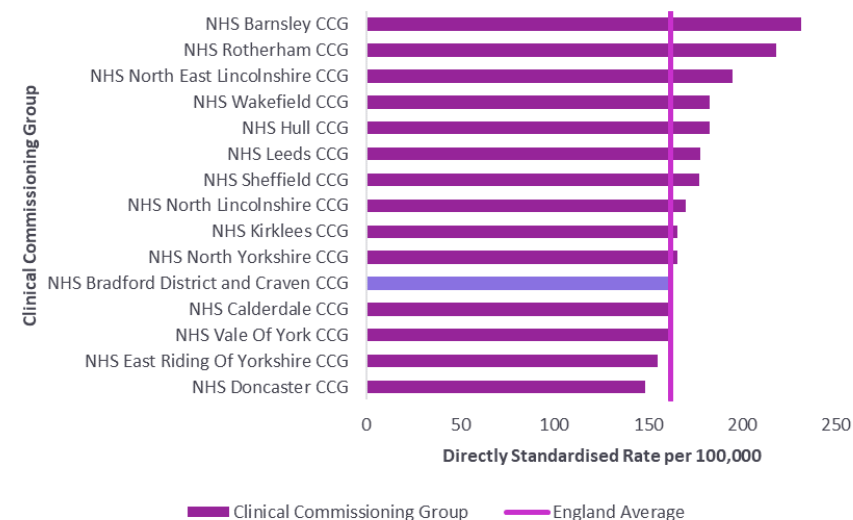


Stroke and TIA prevalence in Bradford District & Craven is **lower** than the England average (1.7% compared to England with 1.8%). This rate has remained the same from 2012 – 2021.

Admissions for Stroke and TIA rate in Bradford District & Craven (163 per 100,000) is **similar** to the England average (162). For prevalence and admissions, Bradford District & Craven is **lower** than many other Yorkshire & the Humber CCGs.



Stroke all ages admission rates across Yorkshire & the Humber 2020/21

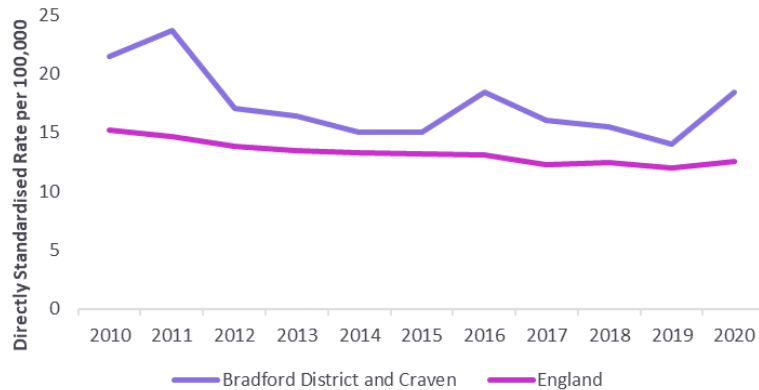


# Stroke and Transient Ischaemic Attack (TIA) Mortality

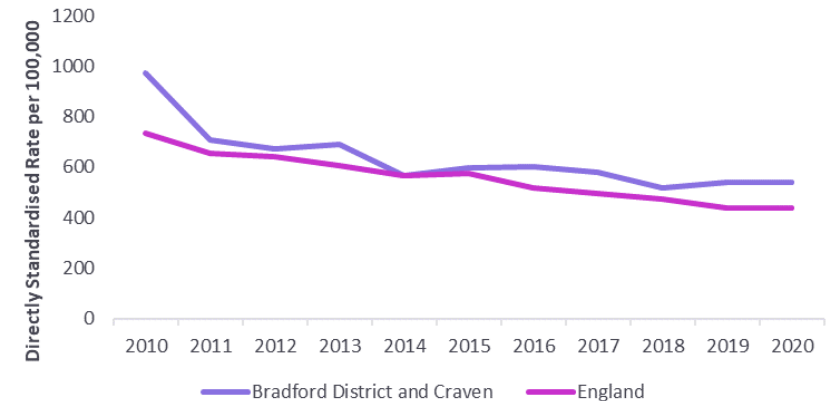
In terms of mortality for Stroke and TIA, the rates for under 75s per 100,000 in Bradford District & Craven has consistently been **significantly higher** than the national average, experiencing a steep increase in 2020 with a rate of 18 per 100,000, differing from England which has been at a steady rate over the data period and had a rate of 13 in 2020. Compared with other CCGs in Yorkshire & the Humber, Bradford District & Craven has the **third highest** rate.

The over 75 mortality rate for Bradford District & Craven has remained **higher** than rate for England since 2015 with fluctuating numbers and appears to have reached a plateau. However, the rate is currently 541 per 100,00 and therefore is **significantly higher** than England (436) and has the fourth highest rate in Yorkshire & the Humber.

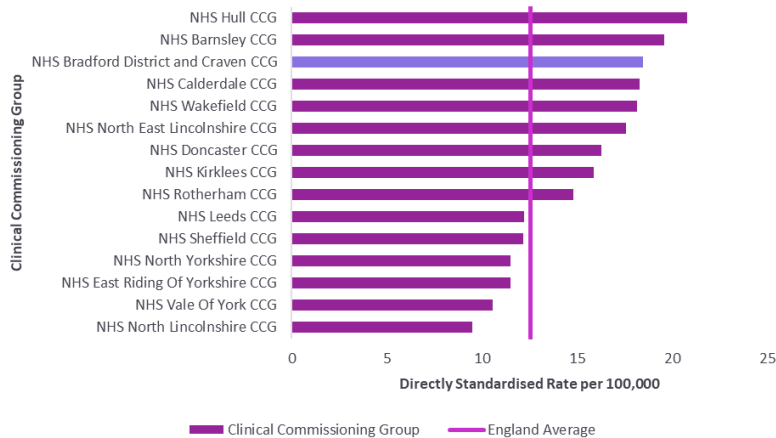
Stroke Mortality Rates (under 75)



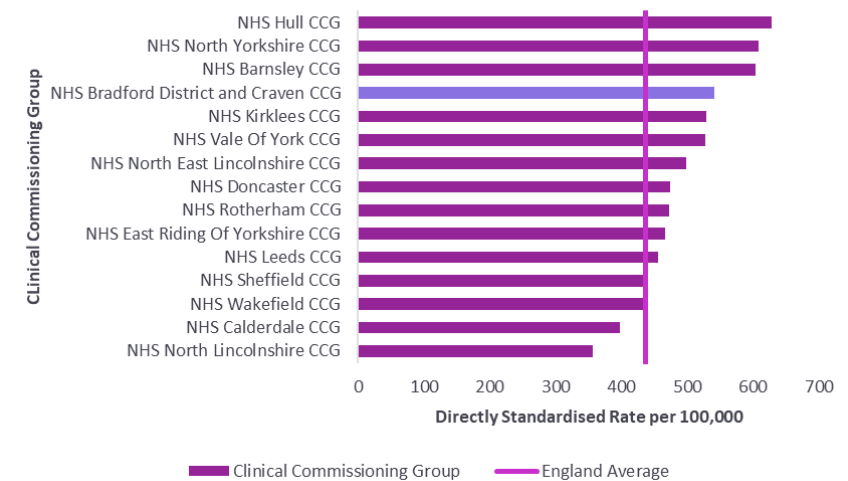
Stroke Mortality Rates (over 75)

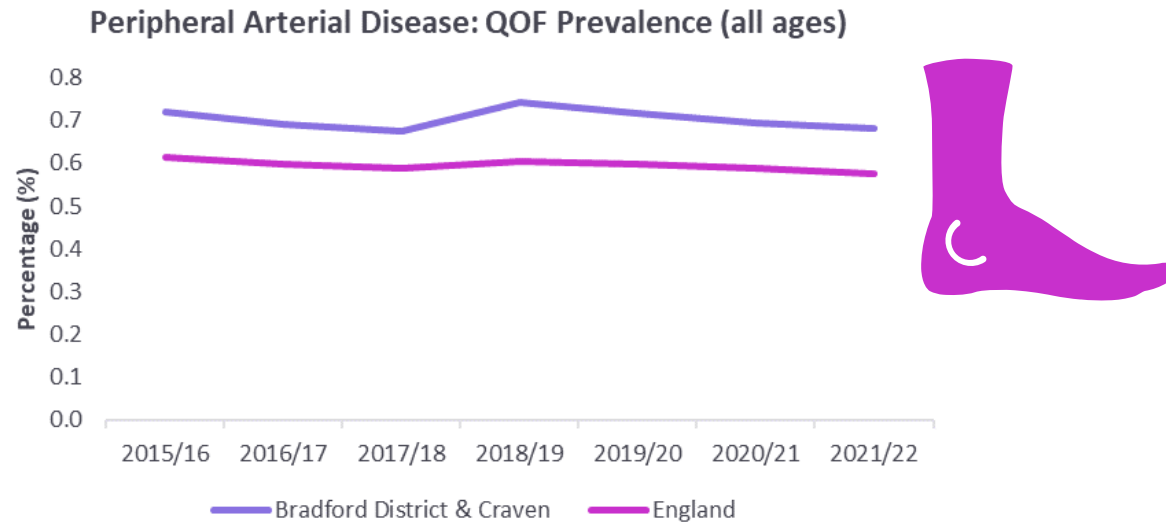


Stroke Mortality Rates (under 75) across Yorkshire & the Humber

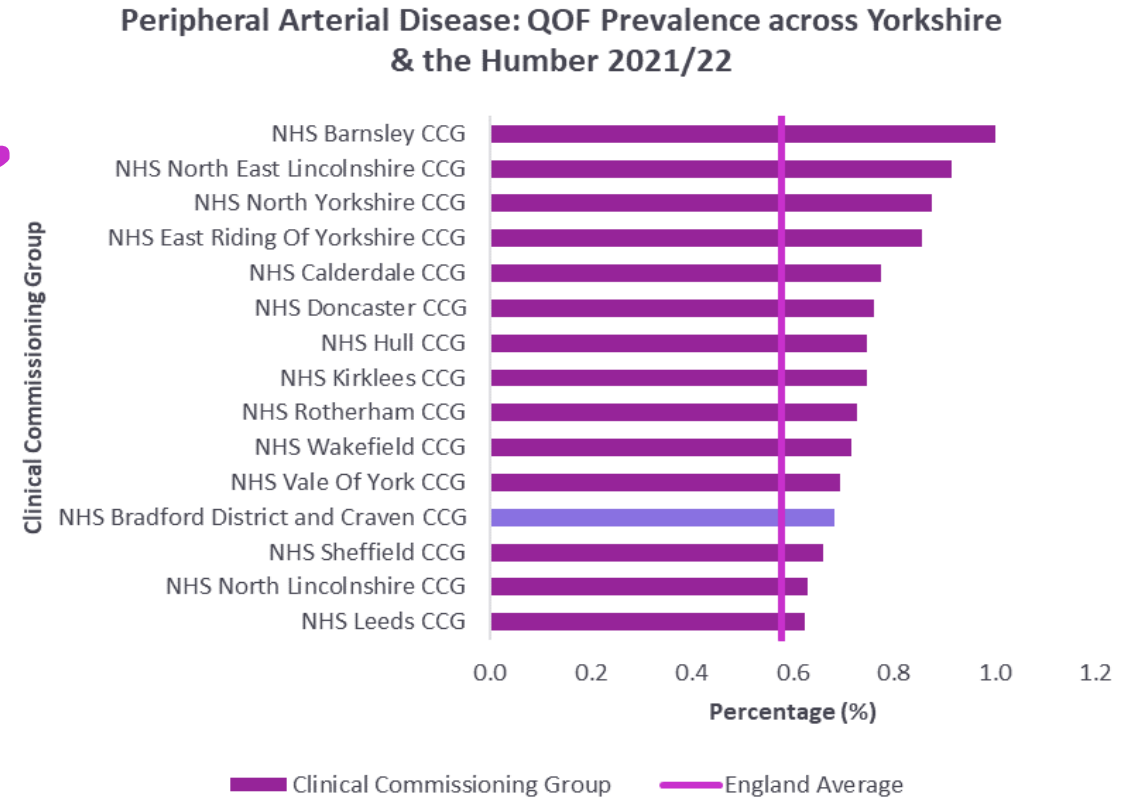


Stroke Mortality Rate (over 75) across Yorkshire & the Humber





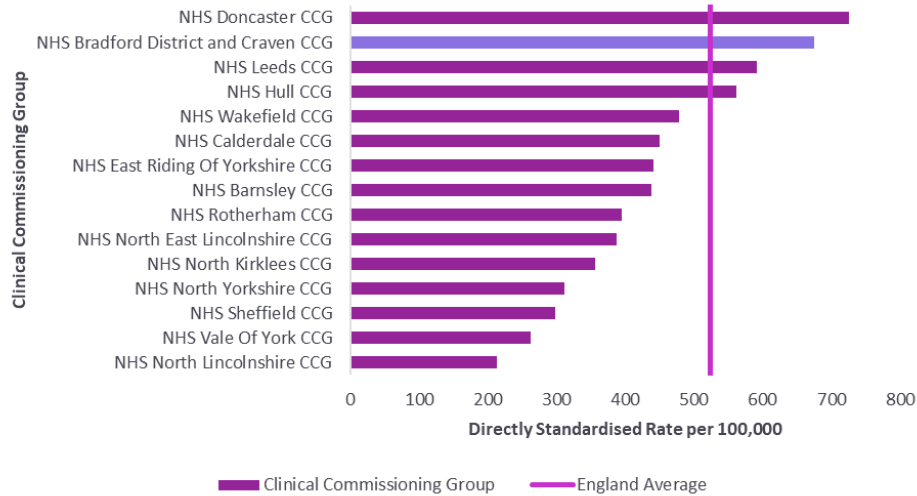
Peripheral Arterial Disease prevalence in Bradford District & Craven is 0.7% according to the latest data available. This is **significantly higher** than the England average (0.6%). The rate has remained **consistently higher** than the national average since 2015 and followed a similar trend to England, with a slight deviation in 2018/19.



# Peripheral Arterial Disease (PAD)



Vascular Dementia Inpatient Admissions aged 65+ for Yorkshire & the Humber 2019/20



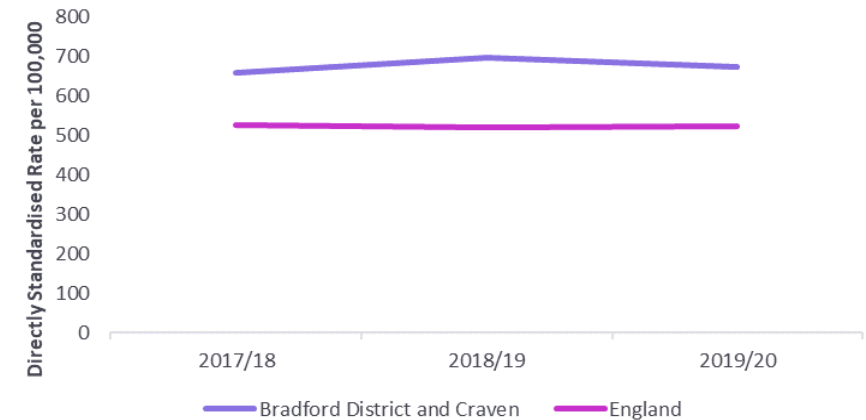
Bradford District & Craven is ranked 32<sup>nd</sup> highest for Vascular Dementia inpatient admissions of 106 CCGs in England



Bradford District & Craven has the **second highest** rate for Vascular Dementia inpatient admissions with 674 per 100,000 population, which is **significantly higher** than the England average (523). Highest rate in West Yorkshire.

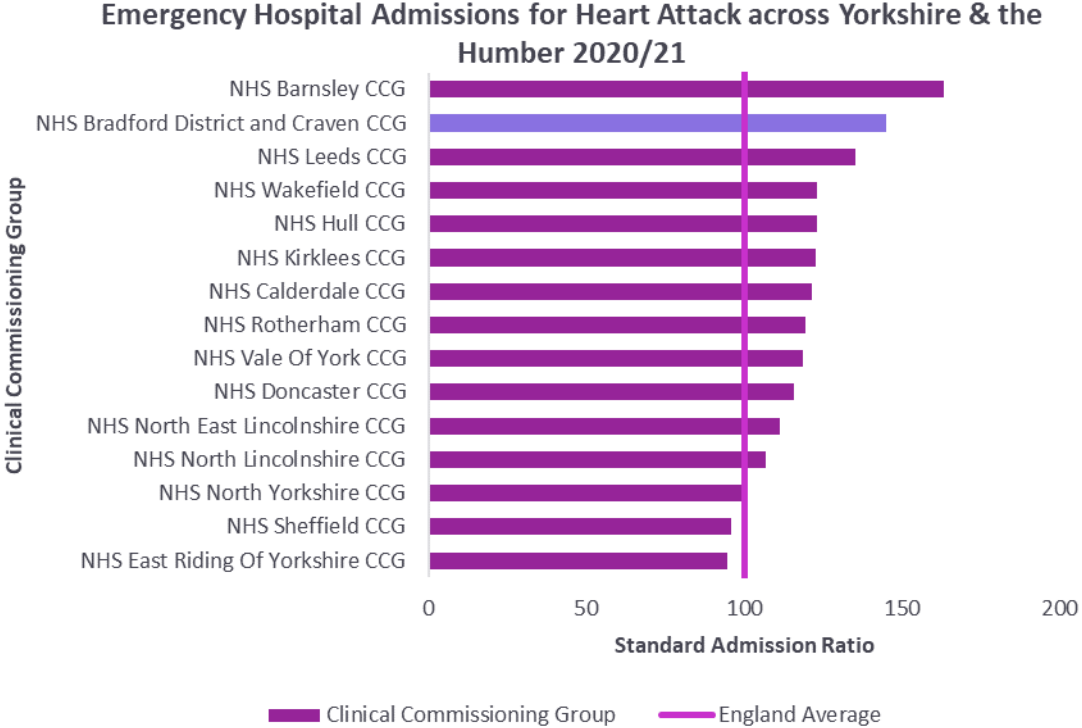
The rates for both Bradford District & Craven and England have remained steady from 2017/18 – 2019/20 with little deviation.

Vascular Dementia Inpatient Admissions



# Vascular Dementia

# Myocardial Infarction (Heart Attack)



At 145 per 100 Standardised Admission Ratio, emergency hospital admissions for heart attacks in Bradford District & Craven is **significantly higher** than the England average (100). This is the **second highest** rate in Yorkshire & the Humber and **highest** rate in West Yorkshire. However, it should be noted that there are data quality concerns with this indicator.



Bradford District & Craven is ranked **4<sup>th</sup> highest** of 106 CCGs for emergency hospital admissions for heart attacks

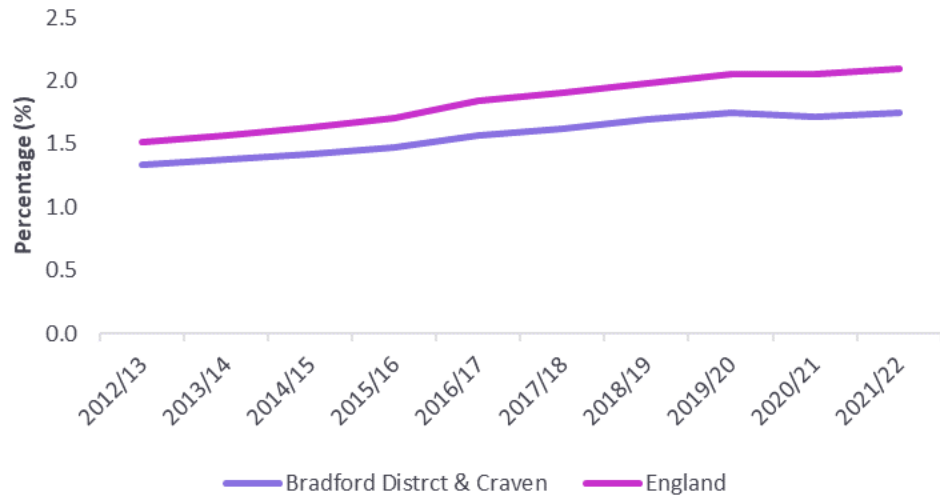


# Atrial Fibrillation



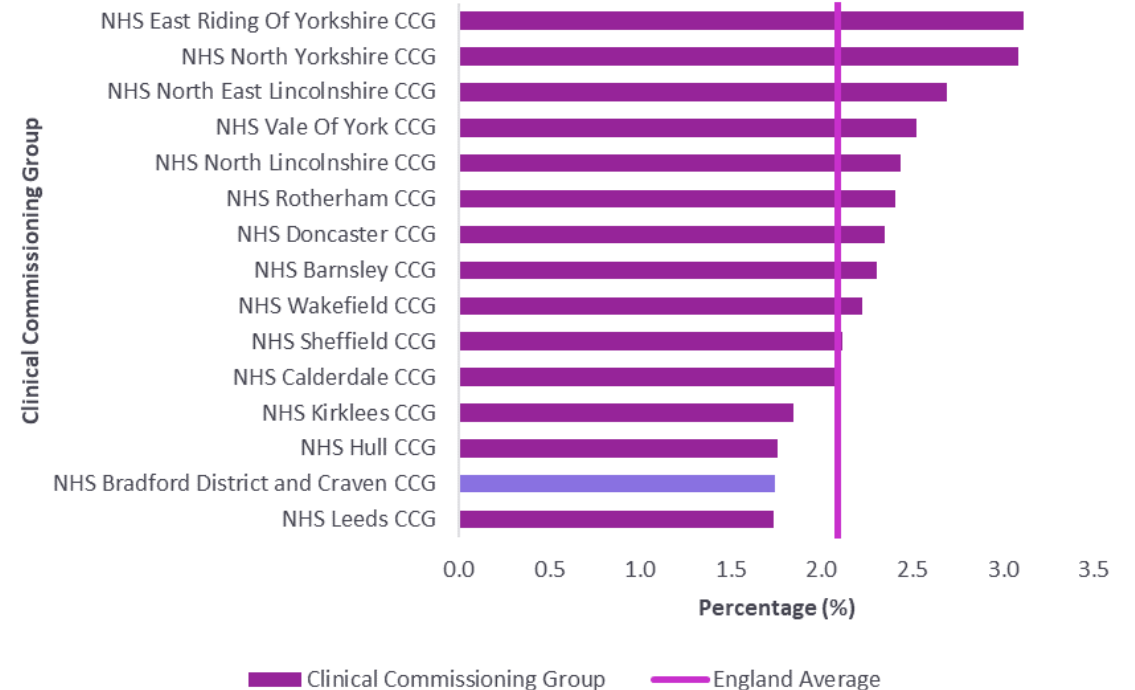
Bradford District & Craven is currently ranked 91 of 106 CCGs in England which is **16<sup>th</sup> lowest**.

Atrial Fibrillation: QOF Prevalence



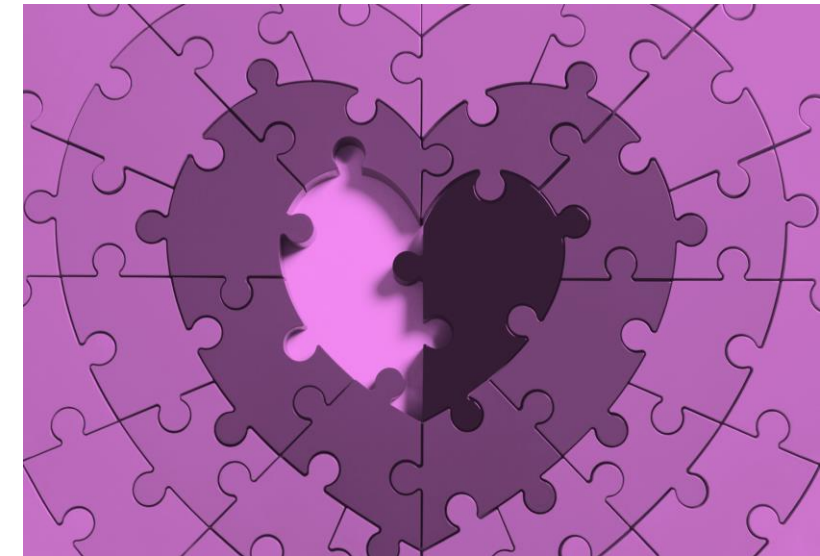
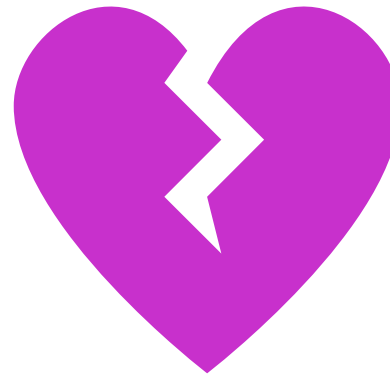
The prevalence of Atrial Fibrillation in Bradford District & Craven is 1.7% which is **significantly below** England average (2.1%). Bradford District & Craven is **joint lowest** in Yorkshire & the Humber and West Yorkshire with Leeds CCG. Trends have mirrored England but have remained **consistently lower** over time.

Atrial Fibrillation: QOF Prevalence (all ages) across Yorkshire & the Humber 2020/21

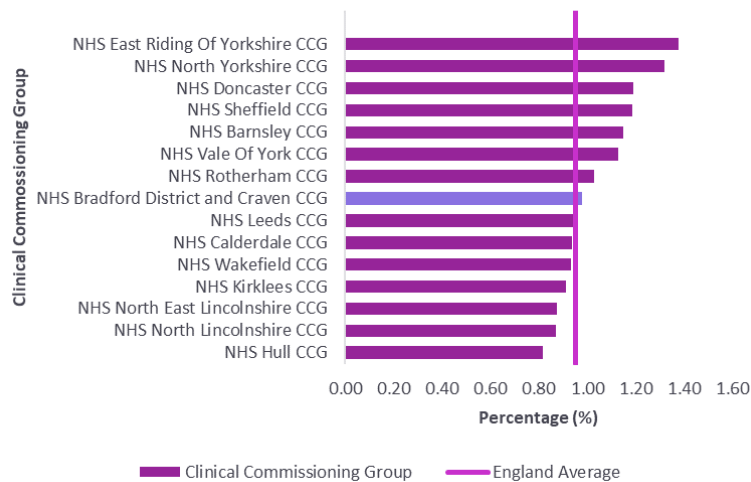


# Heart Failure

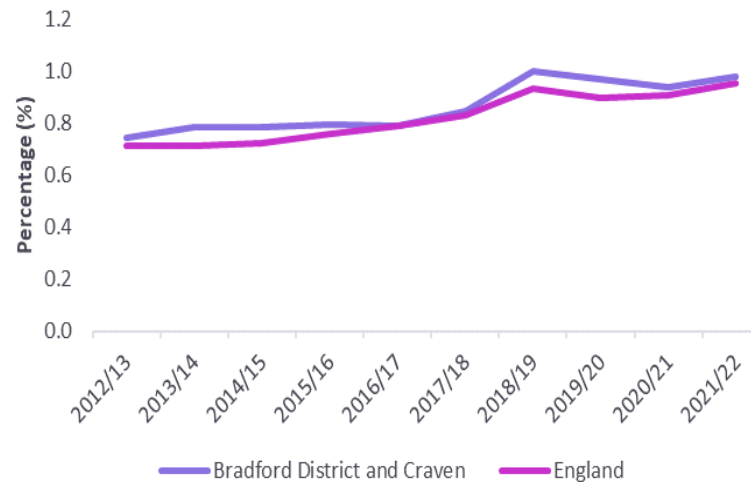
Heart Failure prevalence in Bradford District & Craven is 0.98% which is **similar** to the England average (0.95%) and sits mid table when compared to other CCGs in the Yorkshire & Humber region. However, it is the CCG with the **highest** rate in West Yorkshire.



Heart Failure: QOF Prevalence across Yorkshire & the Humber



Heart Failure: QOF Prevalence



Hypertension



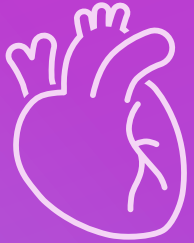
Smoking



Diabetes



High Cholesterol



Physical Inactivity



Family history of CVD



**Risk Factors**

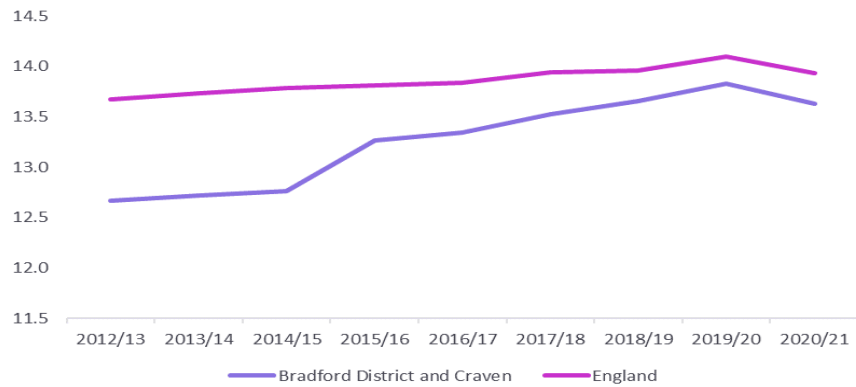
Obesity or being overweight



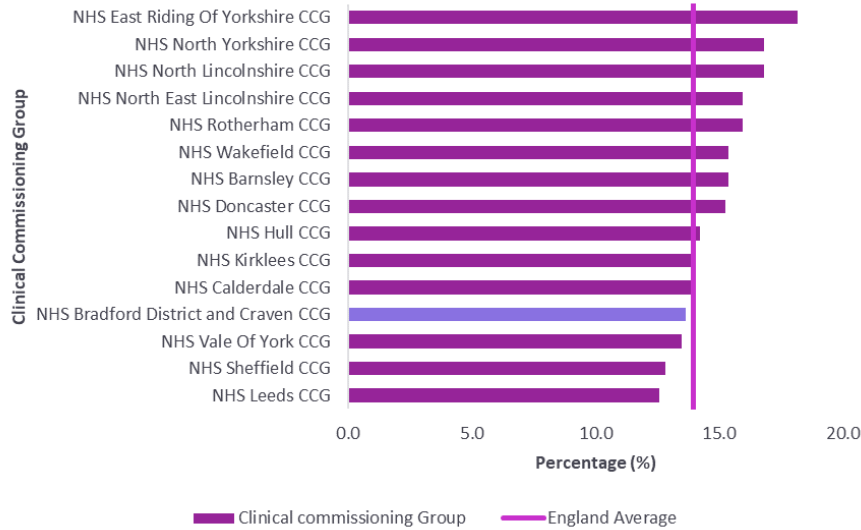
Alcohol



Hypertension: QOF Prevalence (all ages)



Hypertension: QOF Prevalence across Yorkshire & the Humber 2020/21



With 13.6% Bradford District & Craven has a **similar** prevalence to the England average (13.9%) for Hypertension and has the **fourth lowest** in Yorkshire & the Humber. In 2012 there was a much larger gap with Bradford District & Craven being **significantly lower** than the national average. However, this gap has narrowed over time, with the most rapid increase for Bradford District & Craven being in 2015/16. From 2018/19, Bradford District & Craven has followed a similar pattern to England whereby both experienced a steady increase, followed by a decline in 2020/21.

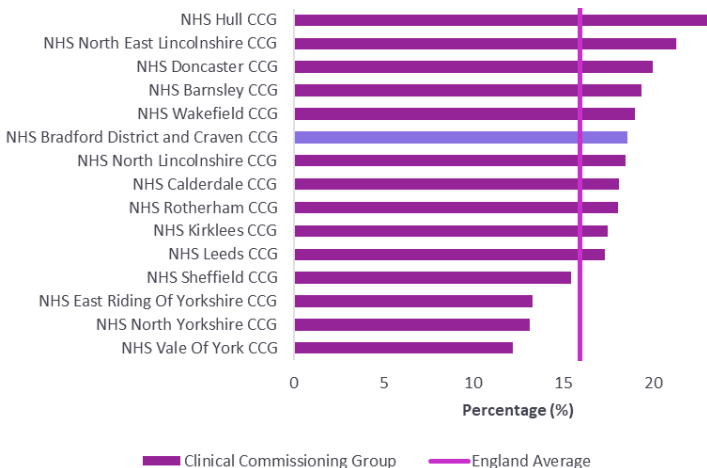
# Hypertension

# Smoking

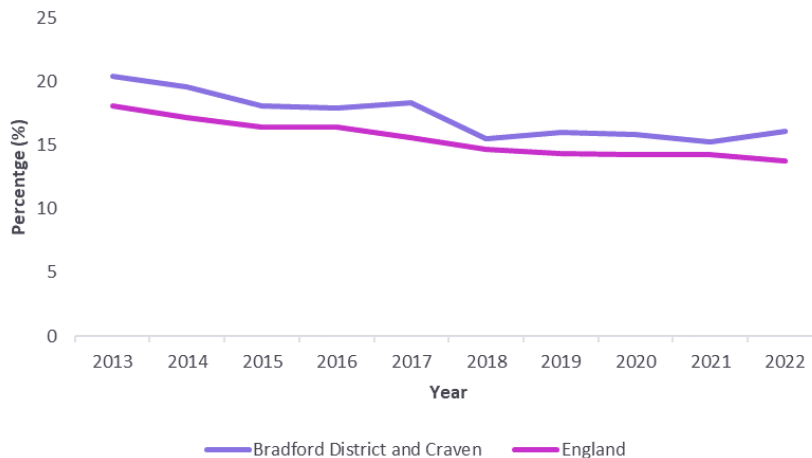
19% of people aged 15+ are smokers, which is around 87,984 people in Bradford District & Craven



Smoking: QOF Prevalence (15+) across Yorkshire & the Humber 2021/22

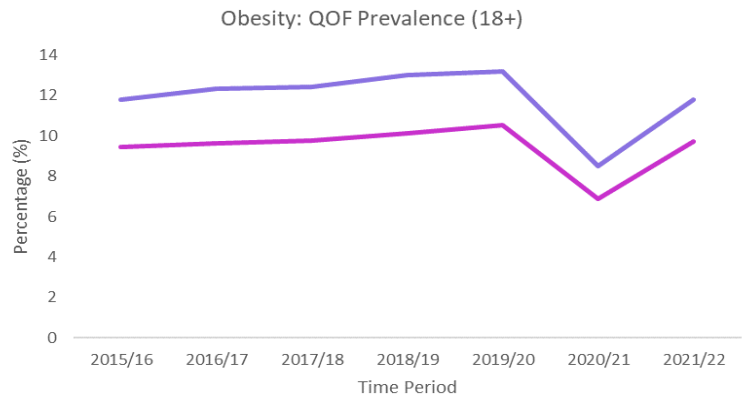


Percentage of Active Smokers aged 16+ in Bradford District

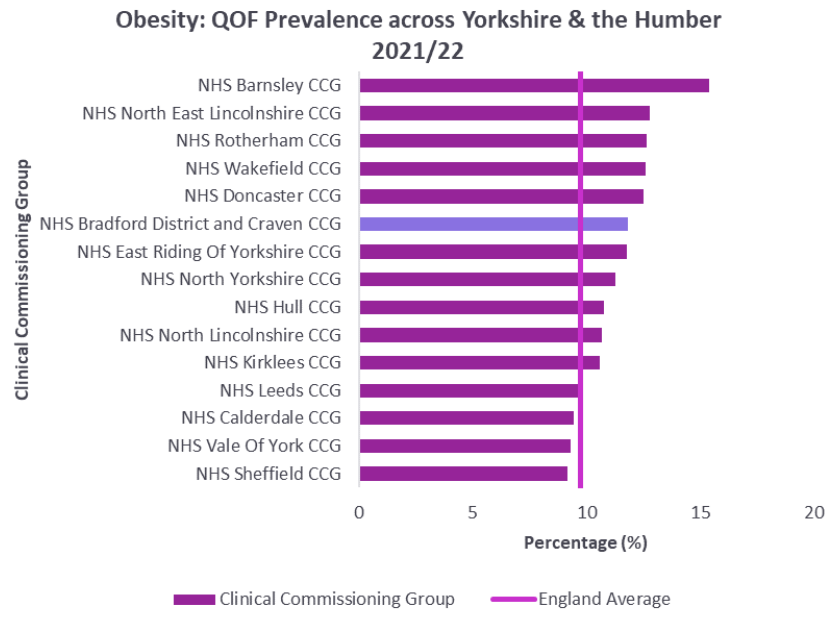


19% of people aged 15+ in Bradford District & Craven are smokers. This is **higher** than the England average (16%). Bradford District & Craven has the **second highest** prevalence in West Yorkshire and is **sixth highest** in Yorkshire & the Humber.

16% of people aged 16+ are active smokers. This is **higher** than the England average (14%). Bradford District & Craven has the **fifth highest** percentage in Yorkshire & the Humber and the **highest** in West Yorkshire. The rate has been consistently higher than England from 2013. Where England has shown a slight decline (2022), Bradford District & Craven has experienced a slight increase and is currently ranked **18<sup>th</sup> highest** out of 106 CCGs.



Bradford District & Craven's obesity prevalence is currently 12% which is **significantly higher** than the England average (10%) and is **6<sup>th</sup> highest of** Yorkshire & the Humber CCGs. BD&C has been consistently higher than the England average since 2015/16 and had followed a similar trend. Both experienced a sharp decrease in obesity in 2020/21, increasing again in 2021/22.



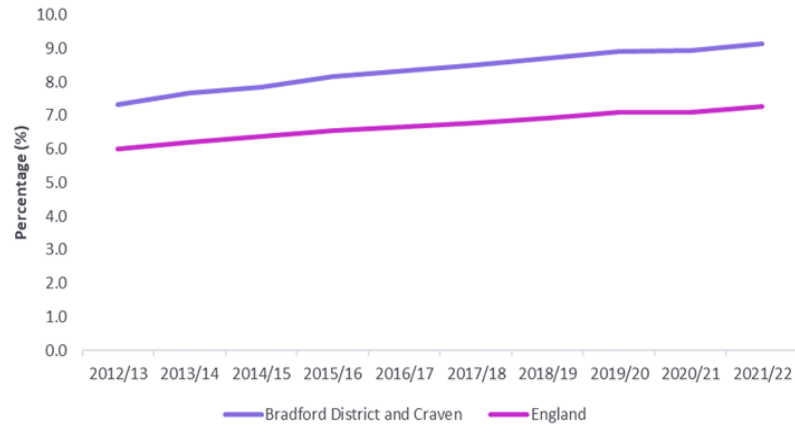
Bradford District & Craven is ranked **24<sup>th</sup> highest** for obesity prevalence of 106 CCGs. This is the **lowest** it has been.



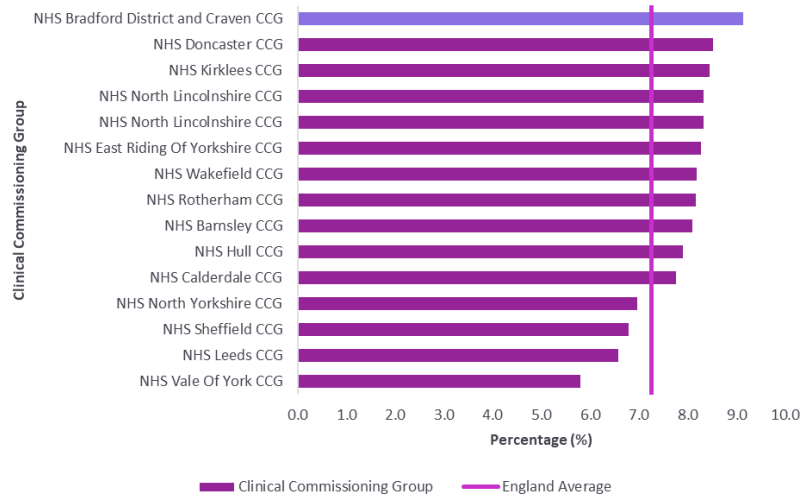
# Obesity



### Diabetes: QOF Prevalence (17+)



### Diabetes: QOF Prevalence (17+) across Yorkshire & the Humber 2021/22



Trends indicate that Diabetes prevalence is **increasing** for both England and Bradford District & Craven CCG at a similar rate, with Bradford District (9.1%) experiencing a **significantly higher** percentage than England (7.3%) in 2021/22.

Bradford District & Craven has the **highest prevalence** of Diabetes in Yorkshire & the Humber region with 9.1% of people aged 17+ being treated for Diabetes. This equates to 10.1% of the population aged 17 and over in the District. This is **significantly higher** than the national average which is 7.3%.

# Diabetes



# Physical Inactivity

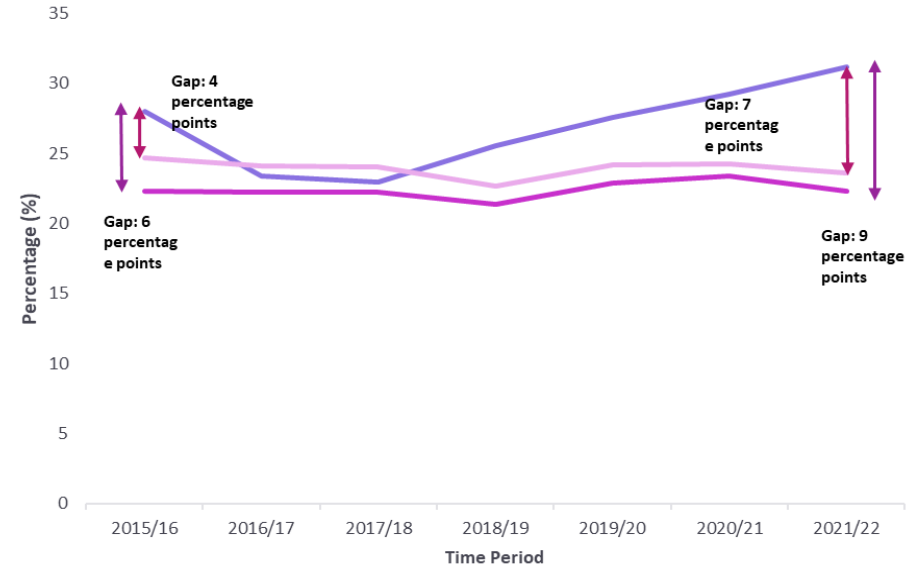


Bradford District is ranked 9<sup>th</sup> highest of 150 Local Authorities for physical inactivity

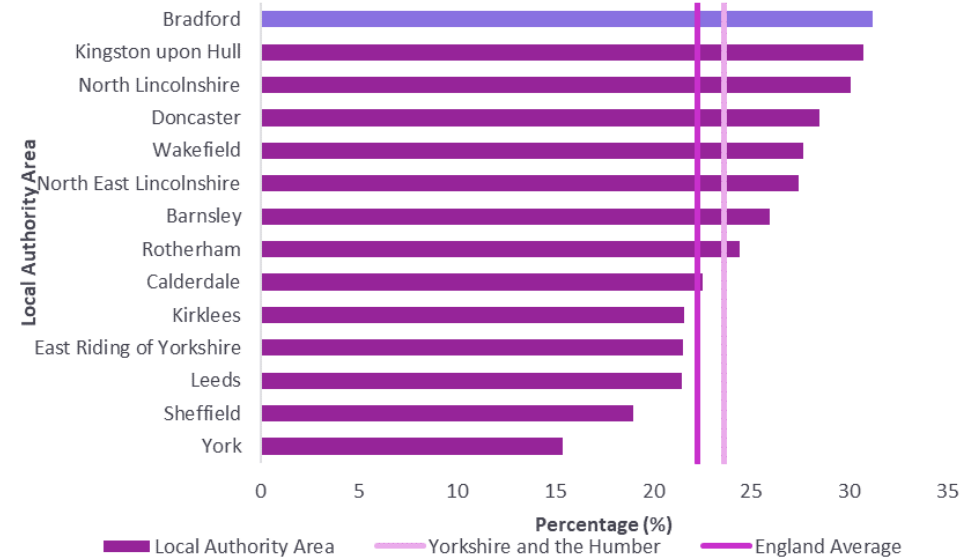
The latest data\* states that the prevalence of physical inactivity in Bradford District is 31% which is **significantly higher** than both the regional (24%) and national (22%) averages and is the **highest** in Yorkshire & the Humber. While Yorkshire & the Humber and England follow a similar trend, seeming to plateau by 2021/22, Bradford District increases in 2017/18 and continues to rise, increasing the gap to **7** percentage points from Yorkshire & the Humber in 2021/22 and **9** percentage points from the England average.

\*Data for physical inactivity is at Local Authority level rather than CCG level

Physically Inactive Adults in Bradford District



Physical Inactivity in Yorkshire & the Humber 2021/22



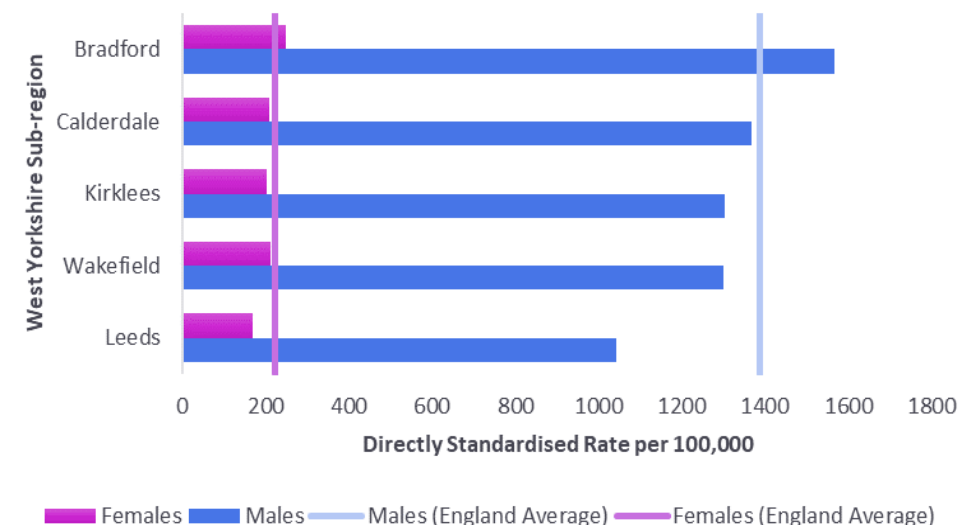
# Alcohol related Cardiovascular Disease



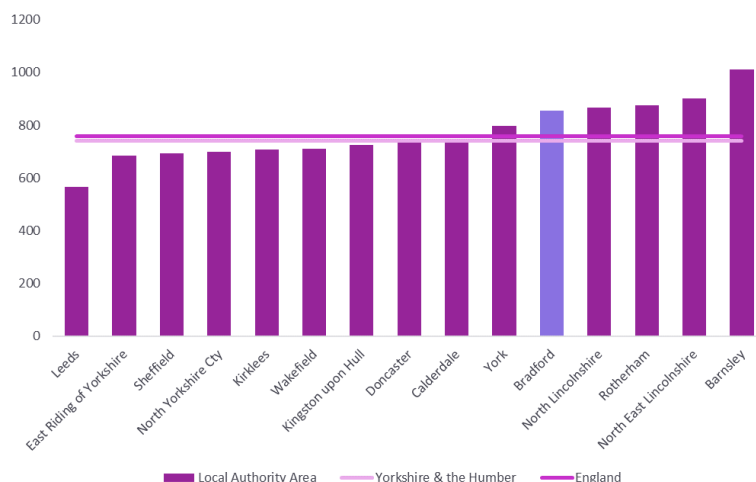
Admissions for alcohol-related cardiovascular disease – Local Authority Level. Bradford District has a rate of 854 per 100,000 population, which is **significantly higher** than both Yorkshire & the Humber (740) and England (759). Bradford District has the **5<sup>th</sup> highest** rate in Yorkshire & the Humber and the **highest rate in West Yorkshire**. There is no trend data available for this indicator.

Bradford District is ranked **46<sup>th</sup> highest** of 150 Local Authorities for admissions for alcohol related cardiovascular disease. Both males and females are **47<sup>th</sup> highest**

Admission Episodes for Alcohol Related Cardiovascular Diseases 2021/22



Admissions for alcohol related Cardiovascular Disease (broad) 2021/22



Males in Bradford District have a **significantly higher** rate of admissions for alcohol related cardiovascular diseases than females in the District with 1569 per 100,000 population compared to females with 250. Both males and females in Bradford District have the **highest** rates in West Yorkshire. Males in Bradford District have a **significantly higher** rate than the England average for males (1388). Females in Bradford District have a **slightly higher** rate than the England average for females (223), though this is not statistically significant.