

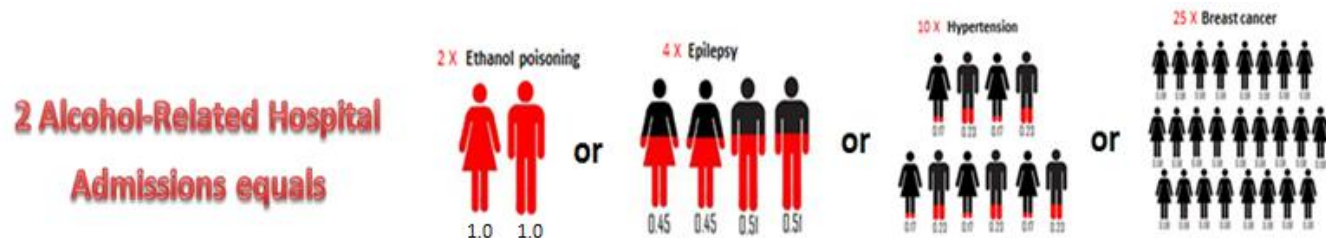
## Alcohol Indicators for Northamptonshire – Local Alcohol Profiles for England, March 2016

### Background

Public Health England produce a range of indicators to evidence the impact of alcohol across the country, which are published at <http://fingertips.phe.org.uk/profile/local-alcohol-profiles>.

The majority of these indicators measure hospital admissions and deaths caused by alcohol consumption. Alcohol-specific indicators consider illnesses that are wholly attributable to alcohol consumption, such as alcoholic liver disease and alcohol poisoning, while alcohol-related indicators also consider illnesses in which alcohol may be a contributory factor, such as hypertension and certain cancers.

Where alcohol is one of several risk factors, Alcohol Attributable Fractions are used to estimate the likelihood of the death/hospital admission being linked to alcohol based on diagnoses, patient age and gender. The sum total of all these probabilities can be used as proxy estimates of the numbers of deaths/hospital admissions were related to alcohol. For example:



There are two measures of alcohol-related admissions:

- A broad measure that considers all diagnosis codes for each admission
- A narrow measure that considers only the primary diagnosis and external cause codes (e.g. assault)

The broad measure provides an overall estimate of the wider impact of alcohol on health services, while the narrow measure was introduced by Public Health England as an indicator that is less sensitive to coding practices and more responsive to changes brought about by local initiatives.

Both measures can be further broken down to reflect the specific causes of admission, such as liver disease and cardiovascular disease.

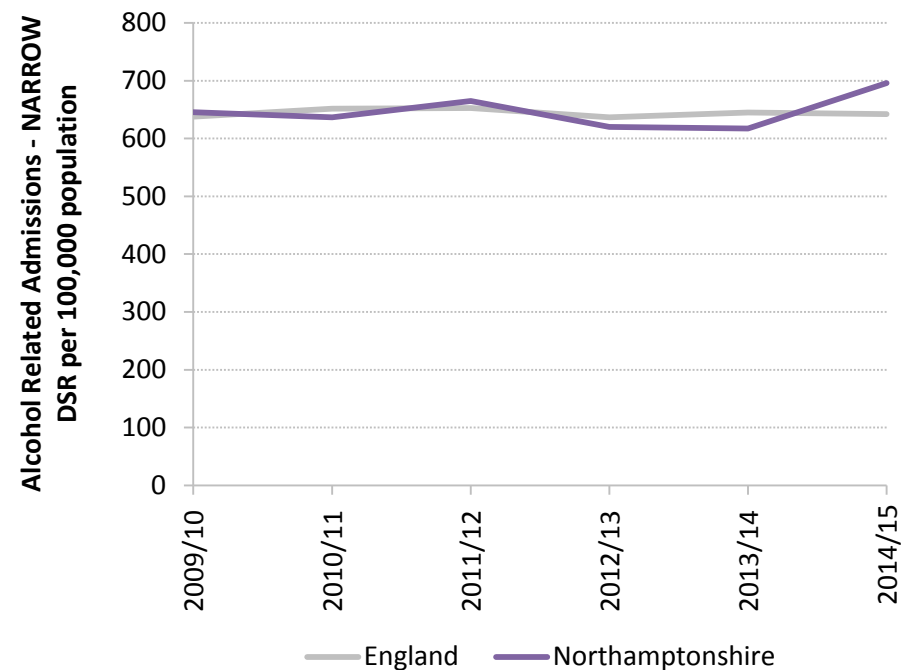
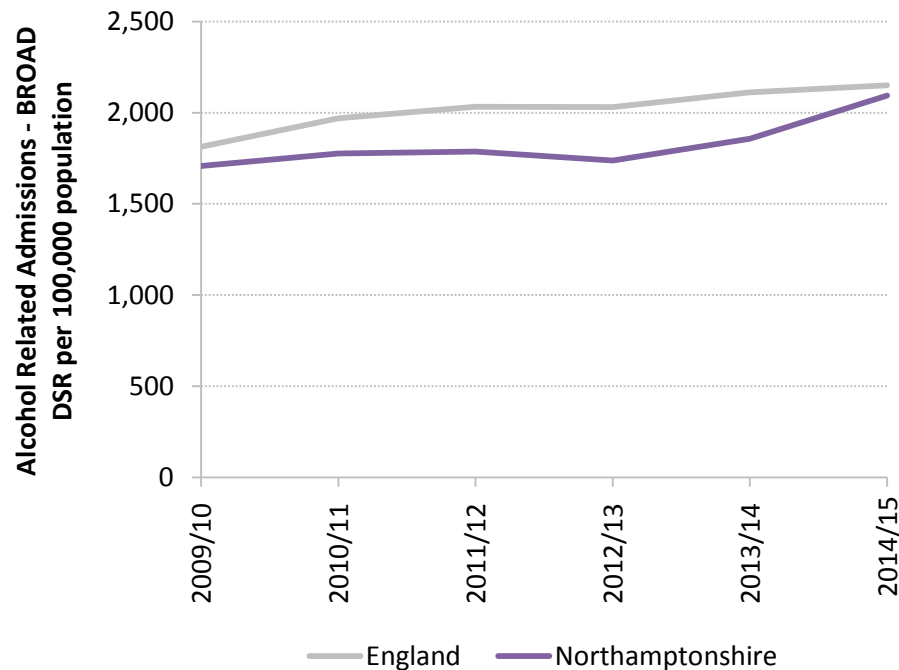
All admission and mortality indicators are expressed as directly standardised rates (DSR) per 100,000 population in order to be able to compare different geographies and timeframes.

# Northamptonshire

## Summary

- Northamptonshire's rates of alcohol-specific and alcohol-related admissions to hospital tended to be below the England average in 2013/14. The overarching broad rates of admission episodes were on an upwards trend, with cardiovascular disease being the cause-specific rate showing the greatest increase. The increase in the broad rates of total alcohol-related admission episodes between 2009/10 and 2013/14 were statistically significant.

The 2013/14 indicator figures show that the overarching narrow rate of admissions episodes for the county has decreased significantly compared to 2009/10. However, provisional 2014/15 figures for alcohol-related admission episodes suggest that there has been a spike in countywide admissions according to both the broad and narrow measures. This is likely to be reflected in other indicators. The charts below show the trend in alcohol-related admission episodes for both the broad and narrow indicators including the provisional 2014/15 figures. The significance of the 2014/15 rate increases will not be possible to measure until the final figures are released by Public Health England.



- The rate of alcohol-related road traffic accidents in Northamptonshire for 2012-2014 was significantly higher than the England rate. There were 149 incidents over the pooled three year period.

## Indicators where Northamptonshire's rate is significantly better than the England average

RAG ratings - ■ = significantly better, ■ = no significant difference, ■ = significantly worse,  = not measured

Indicator (RAG against East Midlands benchmark)	Latest Period	Northamptonshire	East Midlands	England	Local DOT Since Last Period
Alcohol-specific hospital admission - under 18s	2011/12 - 13/14	33.2	33.8	40.1	↓
Alcohol-specific hospital admission - Persons	2013/14	272.9	317.9	373.8	↑
Alcohol-specific hospital admission - Male	2013/14	359.8	427.8	515.1	↑
Alcohol-specific hospital admission - Female	2013/14	191.0	213.5	241.3	↑
Alcohol-related hospital admission (Broad) - Persons	2013/14	1,127.2	1,134.4	1,253.0	↑
Alcohol-related hospital admission (Broad) - Male	2013/14	1,522.7	1,541.6	1,714.6	↑
Alcohol-related hospital admission (Broad) - Female	2013/14	788.2	784.3	858.5	↑
Alcohol-related hospital admission (Narrow) - Persons	2013/14	411.2	439.6	443.7	↑
Alcohol-related hospital admission (Narrow) - Male	2013/14	528.6	584.2	593.7	↓
Admission episodes for alcohol-related conditions (Broad) - Persons	2013/14	1,859.7	1,934.1	2,111.2	↑
Admission episodes for alcohol-related conditions (Broad) - Male	2013/14	2,506.8	2,636.8	2,916.8	↑
Admission episodes for alcohol-related conditions (Broad) - Female	2013/14	1,305.7	1,332.5	1,426.0	↑
Admission episodes for alcohol-related conditions (Narrow) - Persons	2013/14	617.2	673.9	645.1	↓
Admission episodes for alcohol-related conditions (Narrow) - Male	2013/14	754.9	857.9	835.3	↓
Admission episodes for alcohol-related cardiovascular disease conditions (Broad) - Persons	2013/14	962.4	929.8	1,049.3	↑
Admission episodes for alcohol-related cardiovascular disease conditions (Broad) - Male	2013/14	1,391.6	1,349.3	1,523.8	↑
Admission episodes for alcohol-related cardiovascular disease conditions (Broad) - Female	2013/14	610.8	594.2	672.9	↑
Admission episodes for alcohol-related mental and behavioural disorders due to use of alcohol condition (Broad) - Persons	2013/14	262.9	326.6	393.9	↑
Admission episodes for alcohol-related mental and behavioural disorders due to use of alcohol condition (Broad) - Male	2013/14	383.5	471.6	579.2	↑

Admission episodes for alcohol-related mental and behavioural disorders due to use of alcohol condition (Broad) - Female	2013/14	148.1	187.4	218.2	↑
Admission episodes for alcohol-related alcoholic liver disease condition (Broad) - Persons	2013/14	71.2	83.8	105.3	↓
Admission episodes for alcohol-related alcoholic liver disease condition (Broad) - Male	2013/14	96.7	114.1	147.1	↓
Admission episodes for alcohol-related alcoholic liver disease condition (Broad) - Female	2013/14	46.6	54.8	65.8	↓
Admission episodes for alcohol-related mental and behavioural disorders due to use of alcohol condition (Narrow) - Persons	2013/14	59.1	80.6	87.3	↓
Admission episodes for alcohol-related mental and behavioural disorders due to use of alcohol condition (Narrow) - Male	2013/14	80.6	113.3	124.5	↓
Admission episodes for alcohol-related mental and behavioural disorders due to use of alcohol condition (Narrow) - Female	2013/14	38.2	48.8	51.6	↓
Admission episodes for alcohol-related intentional self-poisoning by and exposure to alcohol condition (Narrow) - Male	2013/14	41.0	44.3	52.0	↓
Claimants of benefits due to alcoholism	2014	94.4	106.4	131.0	N/A

### Indicators where Northamptonshire's rate is **not significantly different** to the England average

RAG ratings - ■ = significantly better, ■ = no significant difference, ■ = significantly worse, □ = not measured

Indicator (RAG against East Midlands benchmark)	Latest Period	Northamptonshire	East Midlands	England	Local DOT Since Last Period
Months of life lost due to alcohol - Male	2012 - 14	12.6	12.0	12.0	↓
Months of life lost due to alcohol - Female	2012 - 14	6.1	5.8	5.6	↑
Number in treatment at specialist alcohol misuse services	2014/15	1,240	7,259	89,107	N/A
Successful completion of treatment for alcohol	2014	35.0	37.9	38.4	N/A
Proportion waiting more than 3 weeks for alcohol treatment	2014/15	0.2	4.7	4.6	N/A
Alcohol-specific mortality - Persons	2012 - 14	12.7	11.6	11.6	↑
Alcohol-specific mortality - Male	2012 - 14	17.7	15.9	16.1	↑
Alcohol-specific mortality - Female	2012 - 14	7.9	7.4	7.4	↓

Mortality from chronic liver disease - Persons	2012 - 14	12.0	11.6	11.5	↑
Mortality from chronic liver disease - Male	2012 - 14	16.0	15.4	15.2	↑
Mortality from chronic liver disease - Female	2012 - 14	8.3	8.0	8.0	↑
Alcohol-related mortality - Persons	2014	45.7	45.4	45.5	↓
Alcohol-related mortality - Male	2014	66.5	64.7	65.4	↑
Alcohol-related mortality - Female	2014	27.6	28.9	28.8	↓
Alcohol-related hospital admission (Narrow) - Female	2013/14	307.6	310.3	310.3	↑
Admission episodes for alcohol-related conditions (Narrow) - Female	2013/14	495.2	508.0	474.8	↑
Admission episodes for alcohol-related unintentional injuries conditions (Narrow) - Persons	2013/14	136.5	152.5	141.8	↑
Admission episodes for alcohol-related unintentional injuries conditions (Narrow) - Male	2013/14	203.6	229.0	215.2	↑
Admission episodes for alcohol-related unintentional injuries conditions (Narrow) - Female	2013/14	74.2	81.8	74.2	↑
Admission episodes for alcohol-related intentional self-poisoning by and exposure to alcohol condition (Narrow) - Persons	2013/14	53.6	51.7	58.6	↑
Admission episodes for alcohol-related intentional self-poisoning by and exposure to alcohol condition (Narrow) - Female	2013/14	66.3	59.1	65.4	↑

### Indicators where Northamptonshire's rate is significantly worse than the England average

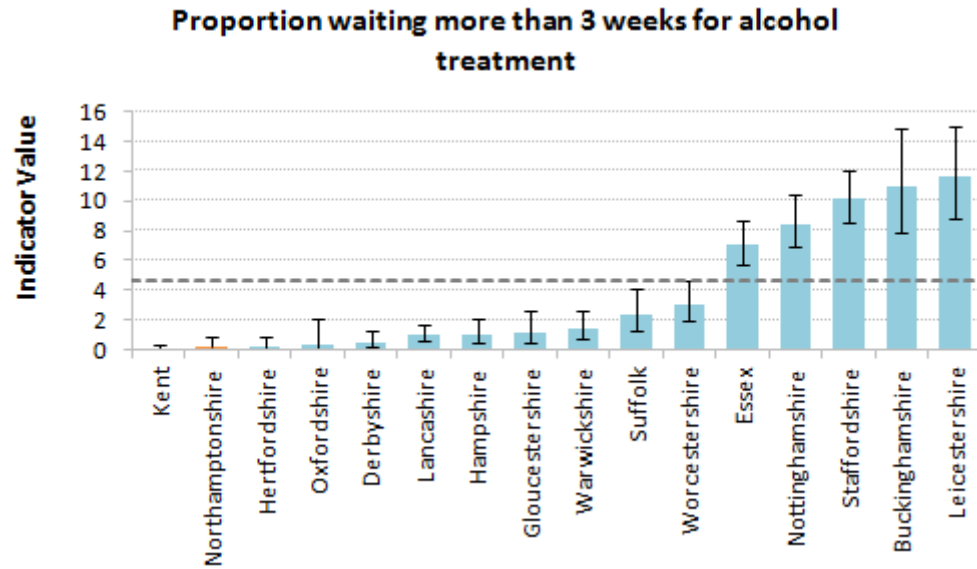
RAG ratings - ■ = significantly better, ■ = no significant difference, ■ = significantly worse, □ = not measured

Indicator (RAG against East Midlands benchmark)	Latest Period	Northamptonshire	East Midlands	England	Local DOT Since Last Period
Admission episodes for alcohol-related malignant neoplasm conditions (Broad) - Persons	2013/14	211.3	212.8	175.8	↓
Admission episodes for alcohol-related malignant neoplasm conditions (Broad) - Male	2013/14	197.5	214.6	177.0	↓
Admission episodes for alcohol-related malignant neoplasm conditions (Broad) - Female	2013/14	226.3	213.0	176.5	↑

Admission episodes for alcohol-related malignant neoplasm conditions (Narrow) - Persons	2013/14	179.8	184.1	150.7	↓
Admission episodes for alcohol-related malignant neoplasm conditions (Narrow) - Male	2013/14	174.5	187.1	154.7	↓
Admission episodes for alcohol-related malignant neoplasm conditions (Narrow) - Female	2013/14	186.8	183.5	149.3	↓
Alcohol-related road traffic accidents	2012 - 14	40.2	33.7	26.4	N/A

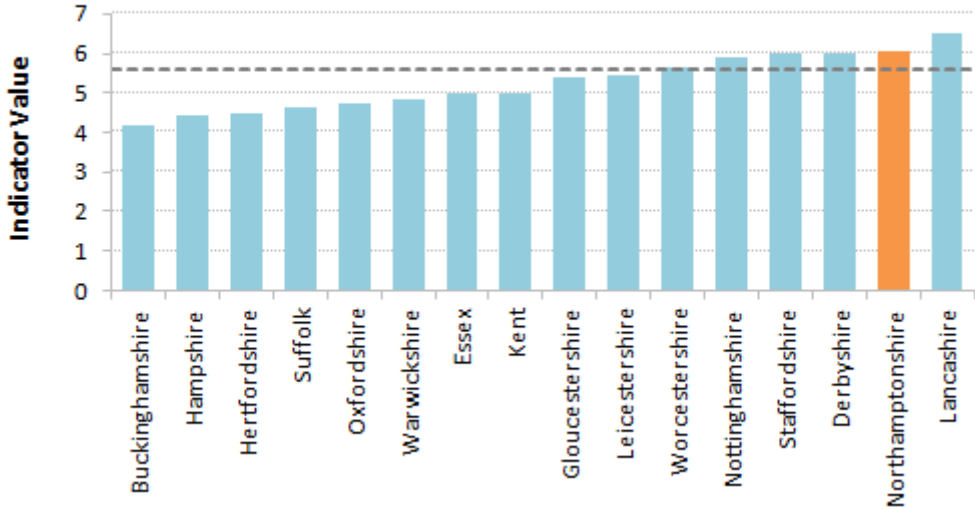
**Indicators where Northamptonshire is an outlier its CIPFA comparator group – top 20%**

--- = England average

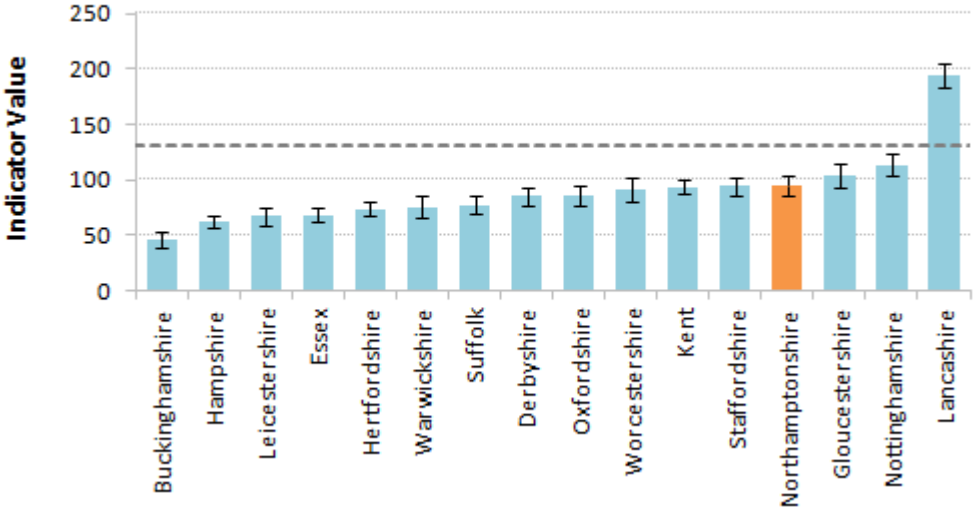


Indicators where Northamptonshire is an outlier its CIPFA comparator group – **bottom 20%**

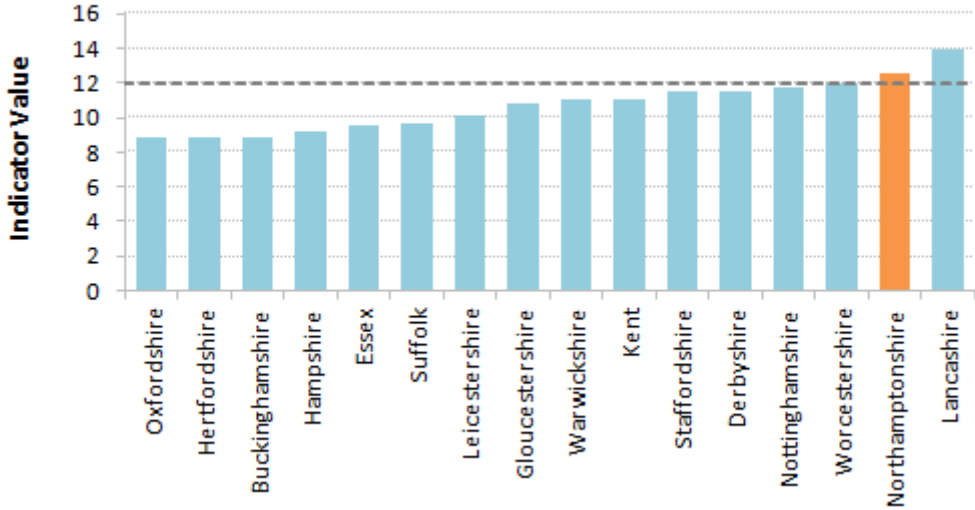
Months of life lost due to alcohol - Female



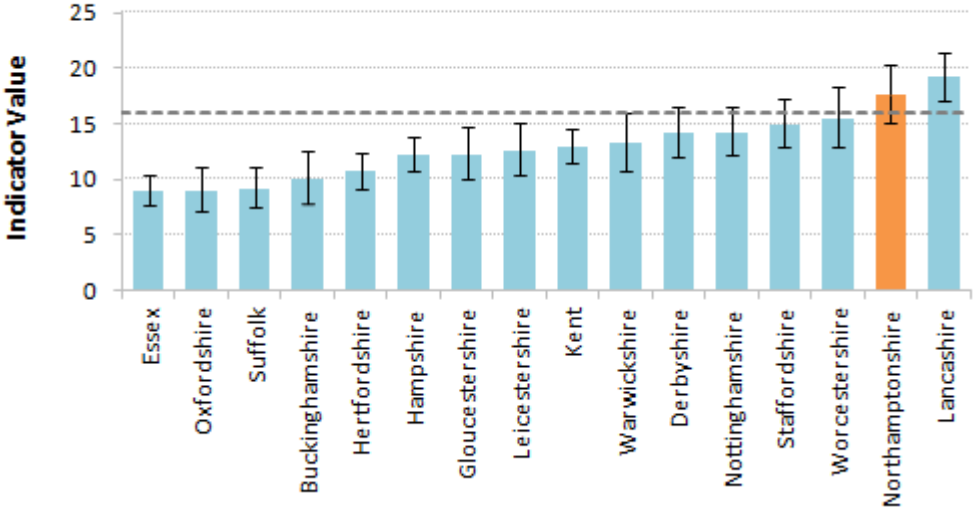
Claimants of benefits due to alcoholism



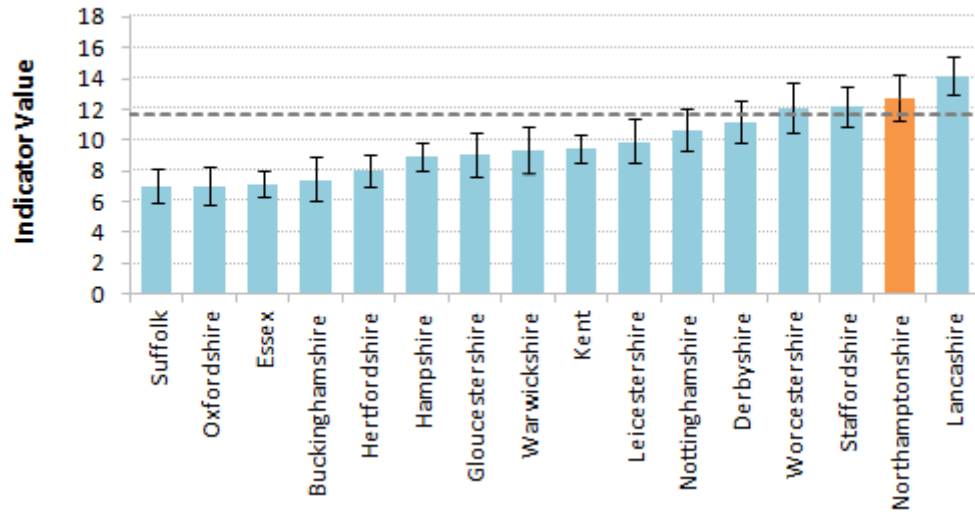
Months of life lost due to alcohol - Male



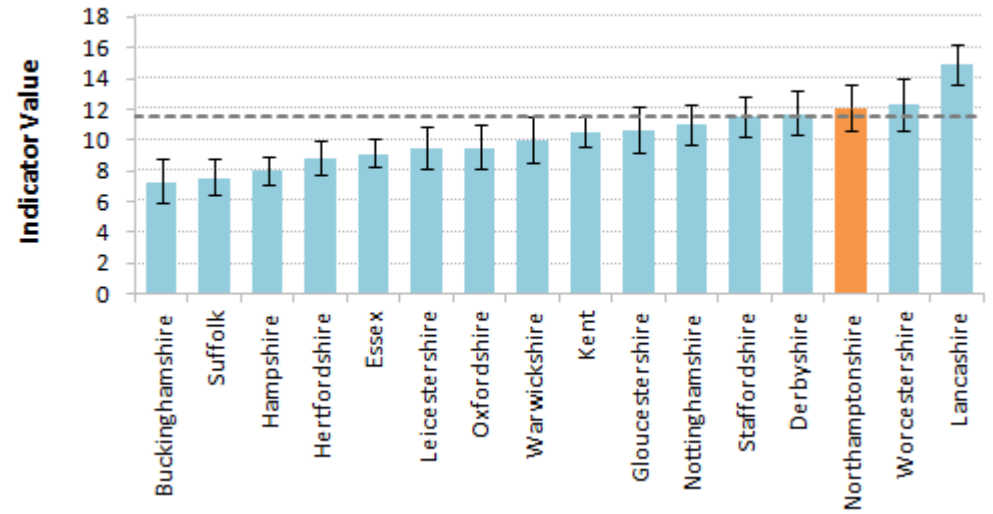
Alcohol-specific mortality - Male



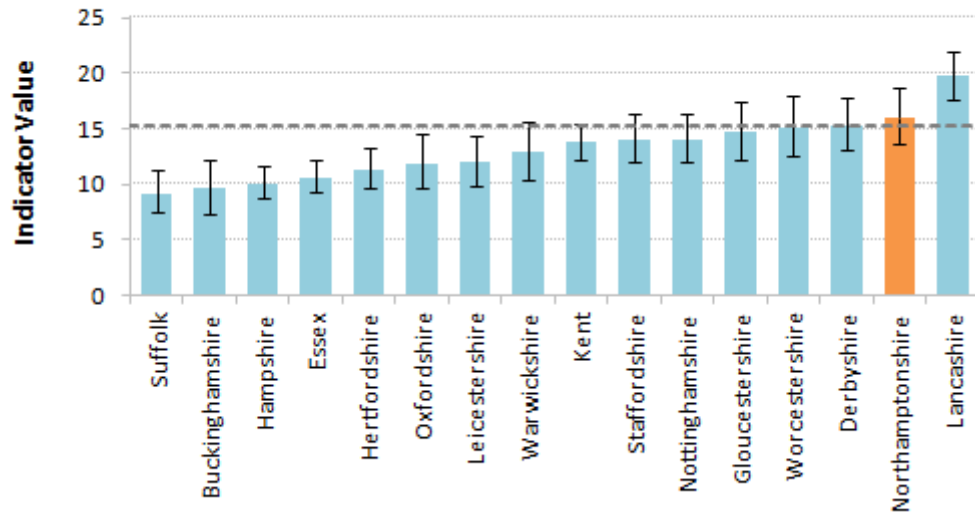
**Alcohol-specific mortality - Persons**



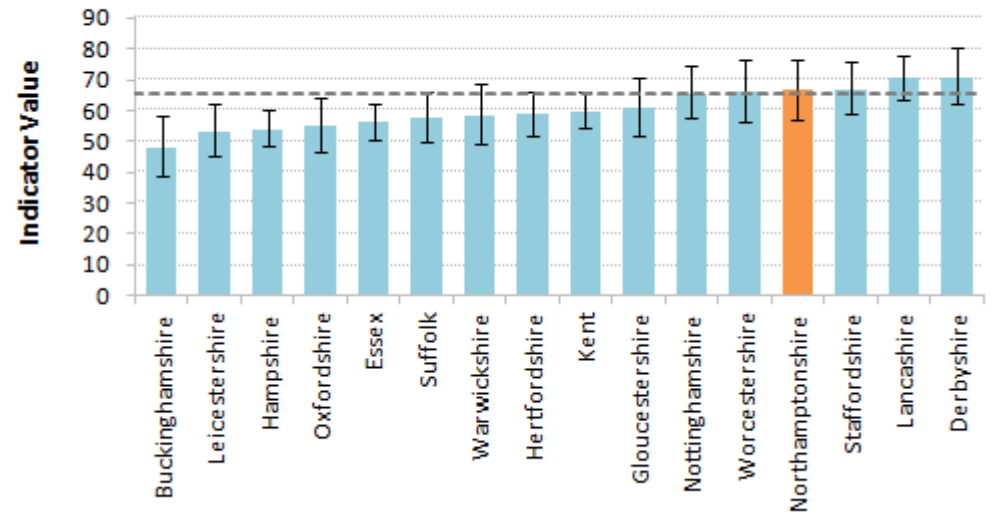
**Mortality from chronic liver disease - Persons**



**Mortality from chronic liver disease - Male**



**Alcohol-related mortality - Male**





### Alcohol Related Road Traffic Accidents

