

Joint Strategic Needs Assessment

Brief overview of health, well-being and risk factors in the city of Hull

Four page summary (excluding references)

Population

It is estimated that 257,710 people lived in Hull. Overall, there were 61,884 people aged 0-19 years, 45,336 aged 20-29 years, 67,929 aged 30-49 years, 44,506 aged 50-64 years, and 38,055 people aged 65+ years¹. It is estimated that 293,019 patients are registered with General Practices in Hull (around 30,000 East Riding of Yorkshire residents registered with Hull practices)².

Ethnicity and first language

Nine in ten (89.7%) of Hull residents were White British with 0.2% White Irish and 0.1% White Gypsy or Irish Traveller and 4.1% White Other (94.1% White overall), 1.3% were from Mixed Black and Minority Ethnic (BME) groups, 2.4% were Asian or Asian British (including 0.8% Chinese), 1.2% were Black or Black British, 0.4% were Arabs and 0.4% were from other BME groups³. Newland and Myton wards had the lowest proportion of White British residents at 66% and 69% respectively, while the largest percentage of White British residents were found in Sutton and Bransholme West wards (98% in each). A decade ago, 97.7% classified themselves as White with 96.4% being White British. So whilst the percentage of BME population is still relatively low compared to many parts of England for 2011, but there has been a threefold increase (increase of 6.7 percentage points) between 2001 and 2011. Furthermore, Hull's BME population is diverse with relatively small numbers of people from a wide range of different BME groups.

Overall, 6.5% of the population spoke a language other than English as their main language in their home although this varied from 25.1% in Newland ward to 0.6% in Bransholme West ward. Almost 15% of school children in Hull were from minority ethnic groups (4,413 pupils)⁴ and English was not their first language for 2,515 (14%) primary and 1,283 (10%) secondary school pupils⁵.

Population projections

In recent years to 2002, the birth rate had been falling (to a total period fertility rate (TPFR) of 1.56), but since 2002 the birth rate trend has been increasing with 2012 having the highest number of births (3,871) in recent years (TPFR 1.99). In 2014, there were 3,537 births (TPFR 1.82)⁶. It is estimated that Hull's population will increase to 261,900 by 2025 (an increase of 2.5%) and to 271,000 by 2035 (an increase of 4.9%)⁷. Relatively small changes are projected to occur among residents aged under 65 years, but increases of around 20% (to 45,700) by 2025 and of around 50% (to 54,800) by 2035 among those aged 65+ years.

General physical and emotional health

Just over one quarter (27.7%) of adults in Hull reported having only fair or poor health⁸, and 10% of people in Hull reported that their day to day activities were limited a lot by a long-term illness or disability⁹. More people in Hull compared to England had a poor

score in relation to satisfaction with their life (7.9% versus 4.8%), feeling that the things they do in their life were worthwhile (5.4% versus 3.8%) and feeling happy yesterday (13.9% versus 9.0%), and had a high score in relation to feeling anxious yesterday (21.4% versus 19.4%)¹⁰, although these percentages were even higher in the local survey at 11.2%, 9.2%, 14.0% and 27.3% respectively¹¹.

Prevalence of disease and disability

It is estimated that the number of adults aged 18+ years in Hull with a moderate or severe hearing impairment is 21,950 (16,141 aged 65+ years), and 469 with a profound hearing impairment (419 aged 65+ years). Also that 107 people aged 18-64 years have a serious visual impairment, 3,365 people aged 65+ years have a moderate or severe visual impairment¹².

Among the 293,000 patients registered with Hull GPs, 11,235 are diagnosed with coronary heart disease (3.9%), 4,560 have previously had a stroke or transient ischaemic attack (1.6%), 1,932 are diagnosed with heart failure (0.7%), 3,885 with atrial fibrillation (1.3%), 41,391 with hypertension or high blood pressure (14.3%), 1,738 with peripheral arterial disease (0.6%), 18,217 with asthma (6.3%), 7,616 with chronic obstructive pulmonary disease (2.6%), 2,473 with epilepsy (1.1%), 2,487 with severe mental illness (0.9%) and 1,861 with dementia (0.64%). Among those aged 16+ years, 2,074 are diagnosed with rheumatoid arthritis (0.9%), and among those aged 17+ years, 14,749 are diagnosed with diabetes (6.3%). Among those aged 18+ years, 9,341 are diagnosed with chronic kidney disease (4.1%), 1,250 diagnosed with a learning disability (0.4%) and 15,958 have a record of unresolved depression since April 2006 in their medical notes (7.0%).

It is projected that the number of people aged 65+ years with dementia living in Hull will increase from 2,651 in 2015 to 3,704 by 2030¹³, and that the number of people aged 18+ years with diabetes will increase from 9,871 in 2015 to 11,260 by 2030¹⁴.

Deprivation and poverty

Hull is ranked as the third most deprived local authority out of 326, with 17 of Hull's 23 wards amongst the most deprived 20% nationally (fifth)¹⁵. Hull has the third highest number of geographical areas amongst the most deprived 10% nationally across all local authorities¹⁶.

Child poverty (children living in households where income is less than 60% the median household income before housing costs) is high in Hull. Three in ten (29.9%) of dependent children aged 0-19 years lived in relative poverty compared to 18.0% across England¹⁷. Although unsurprisingly the percentages differed substantially across the wards in Hull from 7.8% in King's Park to 50.0% in Orchard Park and Greenwood examining 2012 data.

Life expectancy, deaths and mortality rates

Life expectancy at birth in Hull is 76.6 years for men and 80.5 years for women (79.5 years for men and 83.2 years for women for England)¹⁸, having remained the same for men and decreased by 0.2 years for women since the previous year in Hull. Life expectancy in Hull differs by around 10 years across the 23 wards in Hull. Healthy life

expectancy at birth was 57.4 years for men and 56.9 years for women in Hull compared to 63.3 and 63.9 years respectively for England¹⁹. Hull was ranked 141st lowest for men and 147th lowest for women out of 150 local authorities for healthy life expectancy. Thus, in Hull, it is estimated that men spend approximately 25% of their lives in poor health, and women spend approximately 30% of their lives in poor health, compared to an average of 20% for men and 23% for women in England.

There were 7,248 deaths among Hull residents over the three year period 2012-14 including 1,623 from causes considered preventable. The rate of preventable mortality (262 per 100,000 residents) was much higher than England (183). The main causes of death in Hull are cancer and coronary heart disease (CHD), and these two causes account for just over half of all deaths under the age of 75 years.

The all age all cause mortality rate for Hull was 1,422 deaths per 100,000 men and 1,070 deaths per 100,000 women (1,138 and 838 respectively for England). The under 75 standardised mortality ratio (SMR) for Hull was 138 for men and 135 for women, which means the mortality rate, after adjusting for the difference in age and gender structure, is 38% higher among men and 35% higher among women, in Hull than in England. There was a strong association with deprivation, with the SMR among residents living in the most deprived fifth of areas of Hull 195, while among those in the least deprived fifth of areas it was 88 (12% lower than England).

In Hull, the under 75 SMR were 145 for men and 162 for women for CHD, 144 for men and 135 for women for stroke, and 132 for men and 133 for women for cancer²⁰. Thus, compared to England, around one-third higher for all cancers and stroke in women, over 40% higher for CHD and stroke in men and over 60% higher for CHD in women. With the high prevalence of smoking in Hull, the premature SMR for lung cancer (167 for men and 194 for women) and chronic obstructive pulmonary disease (193 for men and 266 for women) are both particularly high in Hull²¹.

The under 75 SMR varied dramatically across the wards in Hull. Among men, mortality rates were more than 50% higher than England for men living in Newland (167), Bransholme East, Southcoates East and Myton (all 190), Orchard Park and Greenwood (194) and St Andrew's (237). Among women, nine of Hull wards had premature SMRs greater than 150 (Newington, Marfleet, Drypool, Southcoates East, Orchard Park and Greenwood, University, Myton, Bransholme East and St Andrew's) with St Andrew's having the highest under 75 SMR at 233.

Characteristics and lifestyle and behavioural risk factors for poor health

- **Smoking:** The prevalence of smoking among adults at 30.7% in Hull²² is among the highest of all local authorities. It is estimate that 64,000 adults in Hull smoke²³.
- **Overweight and obesity:** One in ten (10.1%) 4-5 year olds and 22.3% of 10-11 year olds in Hull were obese with a further 14.5% and 13.6% respectively overweight²⁴. Almost two-thirds of adults in Hull are overweight (37.1%) or obese (26.5%)²⁵. It is estimate that 77,200 adults in Hull are overweight and a further 55,200 are obese²⁶.
- **Physical activity:** A similar percentage of adults in Hull were physically active compared to England (57.4% versus 57.0%) but a higher percentage of adults in Hull are physically inactive (31.6% versus 27.7%)²⁷. It is estimate that 90,700 adults in Hull are physically inactive²⁸.

- **Diet:** Fewer than one in five (19.2%) people in Hull ate five or more portions of fruit and vegetables per day²⁹. It is estimate that 168,400 adults in Hull fail to eat 5-A-DAY, and 49,800 report they do not eat healthily with a further 14,900 reporting that they do not know what a healthy diet is or whether they eat healthily³⁰.
- **Alcohol:** Whilst 24% adults never drink alcohol in Hull, 30% had exceeded the national weekly alcohol limits the week before and/or usually undertook binge drinking weekly³¹. It is estimate that 61,500 adults in Hull exceed the recommended weekly units and/or binge drink weekly³².
- **Substance abuse:** It is estimated that there are 3,229 problematic drug users in Hull (18.4 per 1,000 population aged 15-64 years)³³.
- **Under 18 conceptions:** Whilst under 18 conceptions have fallen dramatically between 1998 and 2013 (by 58% from 84.6 to 35.9 births per 1,000 women aged 15-17 years), it is still currently considerably higher than England (24.3) although the gap between Hull and England has decreased. In 2013, there were 158 pregnancies among the 4,401 women aged 15-17 years in Hull³⁴.
- **Qualifications:** Almost twice as many adults (27.4%) in England were qualified to degree level or higher compared to Hull (15.2%), and half as many again people in Hull (31.7%) had no qualifications compared to England (22.5%)³⁵ with large differences in educational attainment across the wards³⁶.
- **Unemployment:** The unemployment rate in Hull was 8.7% among men (compared to 6.4% for the region and 5.6% for GB) and 9.1% among women (compared to 5.7% for the region and 5.3% for GB) with 5,900 men and 5,000 unemployed in Hull³⁷.
- **Limited employment opportunities:** One in twenty Hull people in employment are managers, directors and senior officials (4.6%), 15.4% have professional occupations, and 7.4% have associate professional and technical occupations. These figures are much higher for GB (10.3%, 19.7% and 14.1% respectively). One in ten (10.4%) of employees in Hull are process plant and machine operatives, and 18.0% have elementary occupations (6.3% and 10.8% respectively for England)³⁸.
- **Low earnings:** Average earnings are relatively low in Hull with hourly pay excluding overtime being £11.49 for men and £9.84 for women working full-time compared to £12.51 for men and £11.28 for women for the region³⁹. The gap between residence-based and workplace-based figures, indicate that people who come into Hull to work earn more than the people who live and work in Hull.
- **Benefit claimants:** There were 33,700 working-age benefit claimants in Hull representing 19.8% of the working-age population, considerably higher than the region (13.8%) and England (11.8%)⁴⁰. Orchard Park and Greenwood (33.7%), St Andrew's (32.5%), Myton (31.6%), Bransholme West (30.9%) and Bransholme East (30.0%) had the highest claimant rates⁴¹. Almost one in ten (9.7%) working-age people are claiming Incapacity Benefit, Severe Disablement Allowance or Employment Support Allowance in Hull with almost half of these claiming for mental health reasons. The highest such claimant rate was in Myton ward (16.7% overall and 9.2% for mental health reasons out of working-age population) due in part to the type of accommodation in this ward.
- **Entrenched worklessness:** Six in ten (10,180 people out of 16,840) who were claiming specific benefits over the year had also been claiming benefits for at least three out of the last four years⁴².

These factors together with high levels of personal debt, crime levels, and potentially low levels of resilience and motivation all impact on health status of the people of Hull.

Further more detailed information is available at www.hullpublichealth.org

Data sources and notes for four page summary

¹ Office for National Statistics, mid-year resident population estimates 2014.

² GP registration file, January 2016.

³ Census, 2011.

⁴ Child Health Profiles, 2014.

⁵ School league tables, 2014/15. Data relates to census as at January 2016.

⁶ Health and Social Care Information Centre Indicator Portal.

⁷ Office for National Statistics, population projections (2012-based).

⁸ National and local estimates of wellbeing are available from the Public Health Outcomes Framework, but additionally the local adult Prevalence Survey (mini Health and Lifestyle Survey) conducted during 2014 included these wellbeing questions. The four questions were on a scale of 0 to 10 with 0 denoting low levels of the measure and 10 denoting high levels of the measure. A poor score for satisfaction with life, feeling their life was worthwhile and happiness was defined as having a score 0-4, whereas a poor score for the anxiety measure was defined as having a score of 6-10.

⁹ Census, 2011.

¹⁰ Public Health Outcomes Framework. Data for wellbeing relates to year 2014/15.

¹¹ Local adult Prevalence Survey (mini Health and Lifestyle Survey) 2014.

¹² From PANSI (Oxford Brookes University and Institute of Public Care, Projecting Adult Needs and Service Information, 2012) and POPPI (Institute of Public Care, Projecting Older People Population Information (POPPI), 2015). Estimates for residents for year 2015.

¹³ Figures available on POPPI website (Projecting Older People Population Information system) calculated from report: Dementia UK (2007). A report into the prevalence and cost of dementia. London, Personal Social Services Research Unit at the London School of Economics and the Institute of Psychiatry at King's College London.

¹⁴ From PANSI (Oxford Brookes University and Institute of Public Care, Projecting Adult Needs and Service Information, 2012) and POPPI (Institute of Public Care, Projecting Older People Population Information (POPPI), 2015). Estimates for residents for year 2015 (estimates not for registered population).

¹⁵ Index of Multiple Deprivation, 2015.

¹⁶ The IMD 2015 has been calculated nationally for each lower layer super output areas within England. Each LLSOA has a minimum population size of 1,000 residents and an average of 1,500 residents for all LLSOAs across the country. Hull has 166 LLSOAs.

¹⁷ Public Health Outcomes Framework. Data for child poverty for the year 2013.

¹⁸ Information Centre, 2012-2014.

¹⁹ Public Health Outcomes Framework. Healthy life expectancy figures for 2011-13, and is the duration of life in which people are expected to live in good health (calculation in the same way as the life expectancy calculation is based on contemporary mortality rates).

²⁰ Health and Social Care Information Centre, Health and Social Care Information Centre Indicator Portal ('Compendium'), 2016. Data relates to deaths registered during three year period 2012-14.

²¹ Health and Social Care Information Centre, Health and Social Care Information Centre Indicator Portal ('Compendium'), 2016. Data relates to deaths registered during three year period 2012-14.

²² Local adult Prevalence Survey (mini Health and Lifestyle Survey) conducted during 2014.

²³ Estimates based on estimated prevalence of behavioural risk factor in local adult Prevalence Survey 2014, and Office for National Statistics population estimates for 2014 (208,237 residents aged 16+ in Hull)

²⁴ National Child Measurement Programme, 2014/15 school year.

²⁵ Local adult Prevalence Survey (mini Health and Lifestyle Survey) conducted during 2014.

²⁶ Estimates based on estimated prevalence of behavioural risk factor in local adult Prevalence Survey 2014, and Office for National Statistics population estimates for 2014 (208,237 residents aged 16+ in Hull)

²⁷ Active People Survey 2014. Physically active (fulfilling national physical activity guidelines) means undertaking 2.5 hours of moderate physical activity weekly, and physically inactive means undertaking fewer than 30 minutes of moderate physical activity weekly.

²⁸ Estimates based on estimated prevalence of behavioural risk factor in local adult Prevalence Survey 2014, and Office for National Statistics population estimates for 2014 (208,237 residents aged 16+ in Hull)

²⁹ Local adult Prevalence Survey (mini Health and Lifestyle Survey) conducted during 2014.

³⁰ Estimates based on estimated prevalence of behavioural risk factor in local adult Prevalence Survey 2014, and Office for National Statistics population estimates for 2014 (208,237 residents aged 16+ in Hull)

³¹ Local adult Prevalence Survey (mini Health and Lifestyle Survey) conducted during 2014. It is recommended the men and women (2016 guidelines) do not drink in excess of 14 units of alcohol during the week. It is further recommended that men and women do not drink more than 3-4 units and 2-3 units respectively in a single day. Regular binge drinking is defined in the local survey as usually drinking more than double the daily limits at least once a week (≥ 8 units for men and ≥ 6 units for women).

³² Estimates based on estimated prevalence of behavioural risk factor in local adult Prevalence Survey 2014, and Office for National Statistics population estimates for 2014 (208,237 residents aged 16+ in Hull)

³³ Estimates from National Treatment Agency for Substance Misuse (April 2011 to March 2012).

³⁴ Public Health Outcomes Framework.

³⁵ Census, 2011.

³⁶ Local adult Health and Lifestyle Survey conducted during 2011-12.

³⁷ Official labour market statistics (nomis). Data for year October 2014 to September 2015.

³⁸ Official labour market statistics (nomis). Data for year October 2014 to September 2015.

³⁹ Official labour market statistics (nomis). Data for year October 2014 to September 2015.

⁴⁰ Official labour market statistics (nomis). Data for May 2015.

⁴¹ Department for Work and Pensions, Statistics at DWP, 2016.

⁴² Department for Work and Pensions, 2015. *Duration on working-age benefits: April 2010 to March 2014.*

For Hull over the period April 2013 to March 2014, it was estimated that there were 135,000 people aged 22-59 years of whom 16,840 (12.5%) were claiming Job Seeker's Allowance (JSA), in either the Assessment Phase or the Work Related Activity Group of Employment and Support Allowance, or a lone parent in receipt of Income Support on the 31st March 2014, and that 10,180 (60.5%) of them had been claiming benefits for at least three out of the last four years.