

East Ayrshire Health and Wellbeing Profiles – key indicators and overview

Cite as: Millard A, McCartney G, MacKinnon A, Van Heelsum A, Gasiorowski A, Barkat S. *East Ayrshire Health and Wellbeing Profiles – key indicators and overview*. Edinburgh: ScotPHO; 2016.

Introduction

The ScotPHO Health and Wellbeing profiles (www.scotpho.org.uk/comparative-health/profiles/online-profiles-tool) provide a set of health and wellbeing indicators for Scottish local authority areas. The indicators are displayed in spine charts for each local authority and are measured in the same way in each part of Scotland. One of the key aims of the profiles is to allow comparisons between areas, and the data that are available demonstrate the inequalities in outcomes between areas.

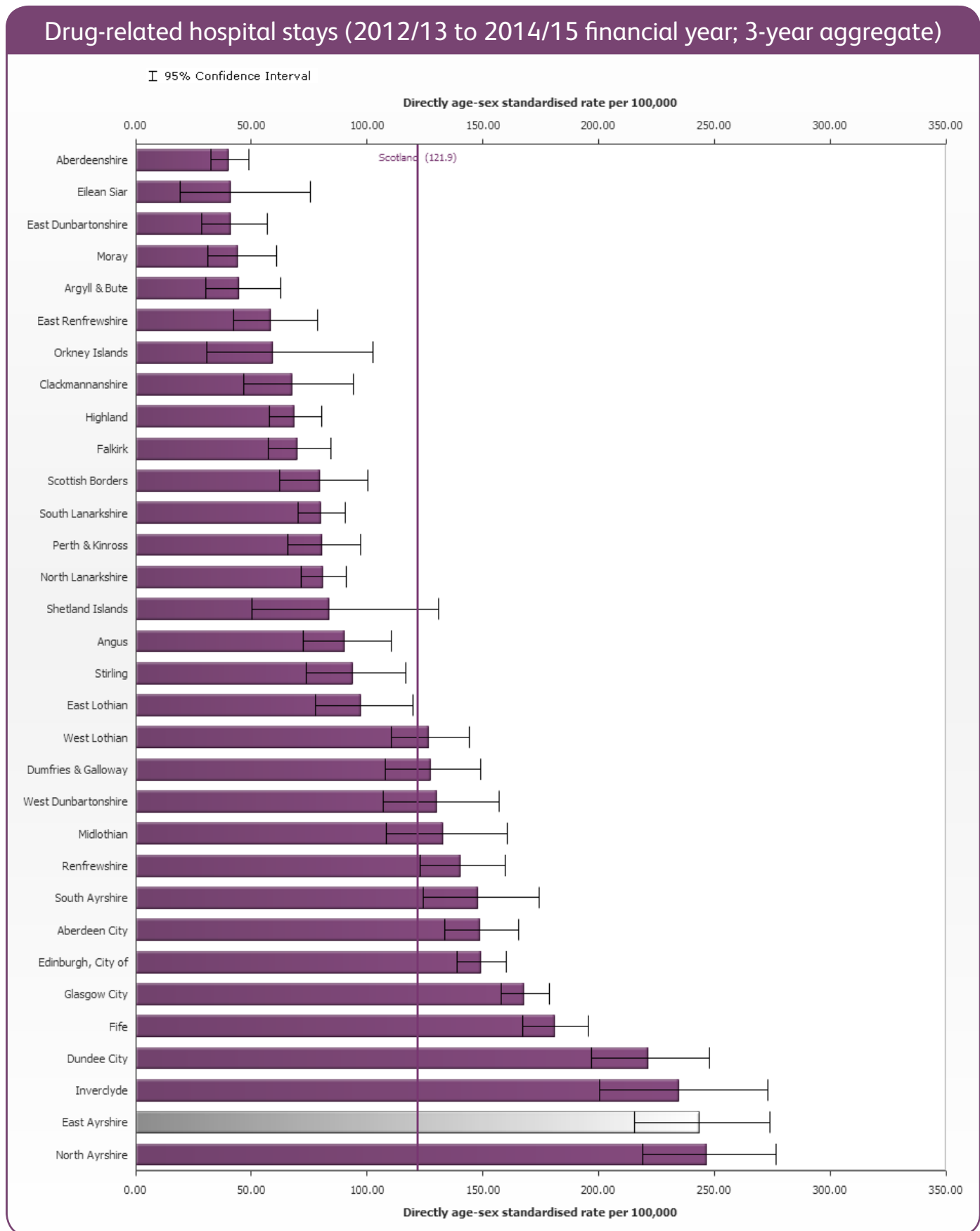
Feedback shows that some people find using the online profiles tool daunting, therefore this report will provide key points without the need to go into the tool. For further details or up-to-date figures see the final section of this report, which explains how to use the tool.

The featured spine chart compares the local and national positions for each indicator. Also included – for the worst key indicator locally – are a trend chart, showing changes over time in comparison with Scotland, and a rank chart, showing how your local authority compares with the other 31 local authorities. These charts can be accessed online by clicking on an individual indicator name in the spine chart.

Throughout this report we refer to the European Age Standardised Rate (EASR), which is the rate per 100,000 population adjusted for the different age balances. Unless the indicator is given for one sex only, the EASRs adjust for both differing age and sex balance. Crude rates are the rates before any adjustment. Unless specified as crude, 'rate' always means the EASR in this report.

Key differences from Scotland in health and wellbeing indicators for East Ayrshire

The 'worst' indicators ranked locally are reported below in the key differences summary. The aim is to provide an indication of which areas might be considered as priorities for improvement.



Methods

Indicators are highlighted only when it is considered that the difference between the local and national figure is not just due to random variation (in other words the difference is statistically significant). Figures were ordered from the worst to the best, then the six worst were selected and compared with the Scottish averages. This information may be of use in health improvement planning, but must be considered in a local context.

The information in this report is a snapshot taken on a particular date (25 February 2016). The indicators are updated continuously, and therefore more up-to-date information may be available online. To avoid disclosure as a result of small numbers, many indicators use aggregated figures where necessary, for example over a three- or five-year period, such as 2012–14. The data can be collected for a calendar year, such as 2012, or a financial year, such as 2012/13.

Key indicators for East Ayrshire

For East Ayrshire in 2012/13–2014/15, the rate for drug-related hospital stays was 243/100,000, which was 100% higher than the Scottish level of 122/100,000.

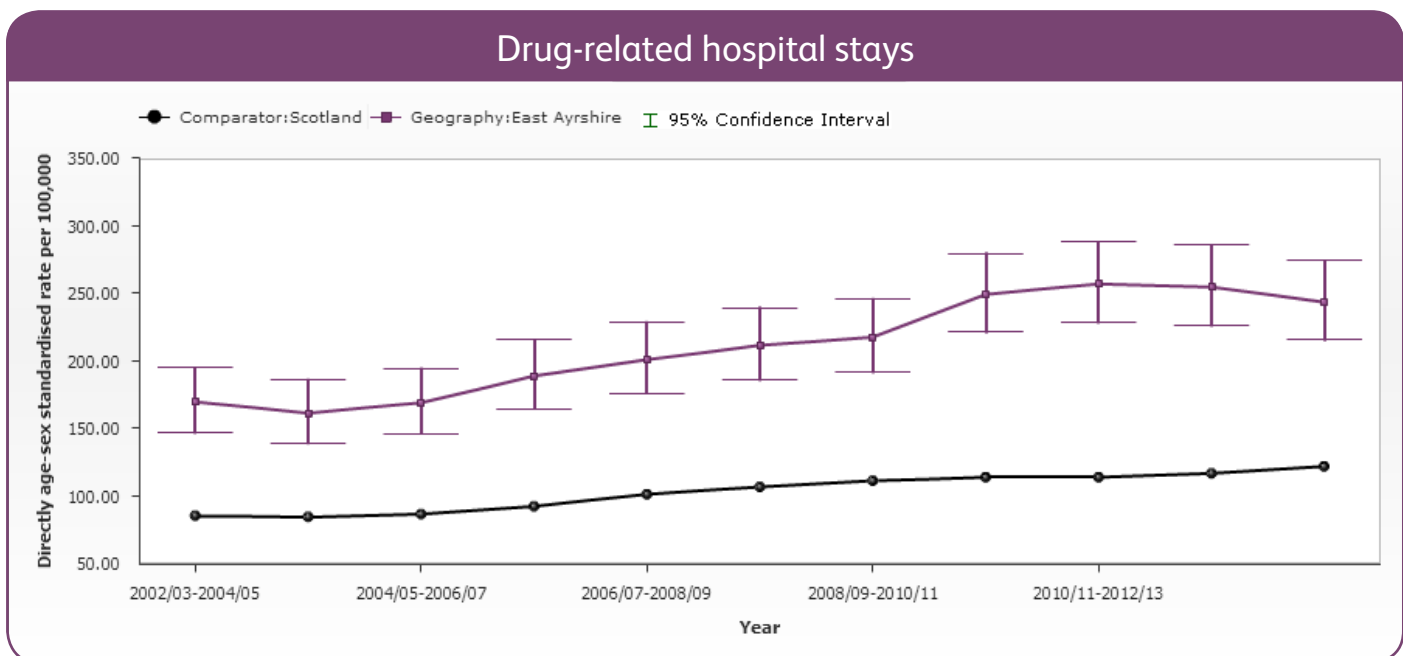
In 2011–2013, the rate for patients hospitalised with chronic obstructive pulmonary disease (COPD) was 1032/100,000, which was 56% higher than the Scottish level of 660/100,000.

In 2012/13–2014/15, the percentage of babies exclusively breastfed at 6–8 weeks was 16%, which was 39% lower than the Scottish level of 27%.

In 2013/14, the percentage of child obesity in primary 1 was 14%, which was 38% higher than the Scottish level of 10%.

In 2012, the rate for prisoner population was 227/100,000, which was 33% higher than the Scottish level of 171/100,000.

In 2012/13–2014/15, the percentage of mothers smoking during pregnancy was 24%, which was 32% higher than the Scottish level of 19%.



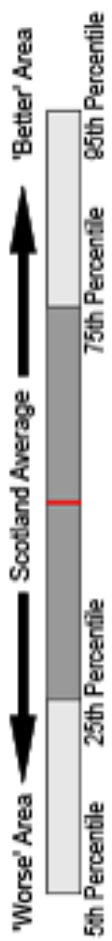
Health & Wellbeing Profiles (East Ayrshire)

Domain	Indicator	Period	Number	Measure	Type	National Average	'Worst'	Scotland Comparator	'Best'
Life Expectancy & Mortality	1 Male life expectancy ¹⁸	2011	n/a	76.1	yrs	76.6			
	2 Female life expectancy ¹⁸	2011	n/a	80.2	yrs	80.8			
	3 Deaths all ages ¹²	2013	1,373	1,248.7	sr4	1,169.8			
	4 All-cause mortality among the 15-44 year olds. ¹²	2013	56	125.4	sr4	100.5			
	5 Early deaths from CHD (<75) ¹²	2012	71	65.3	sr4	60.7			
	6 Early deaths from cancer (<75) ¹²	2013	197	159.7	sr4	154.7			
Behaviours	7 Estimated smoking attributable deaths ^{3,13,16}	2014	290	427.2	sr4	366.8			
	8 Smoking prevalence (adults 16+) ^{3,14}	2014	52	22.6	%	20.2			
	9 Alcohol-related hospital stays ¹⁵	2014	887	744.1	sr4	671.7			
	10 Deaths from alcohol conditions ¹⁷	2012	29	23.9	sr4	23.1			
	11 Drug-related hospital stays ^{12,15}	2013	280	243.4	sr4	122.0			
	12 Active travel to work ^{3,14}	2013	17	11.0	%	16.0			
Ill Health & Injury	13 Patients registered with cancer ¹²	2012	735	634.6	sr4	634.1			
	14 Patients hospitalised with chronic obstructive pulmonary disease (COPD) ^{12,15}	2012	1,187	1,032.3	sr4	659.9			
	15 Patients hospitalised with coronary heart disease ¹²	2012	579	508.6	sr4	440.3			
	16 Patients hospitalised with asthma ¹²	2012	129	104.1	sr4	91.2			
	17 Patients with emergency hospitalisations ¹²	2012	11,030	9,244.9	sr4	7,500.2			
	18 Patients (65+) with multiple emergency hospitalisations ¹²	2012	1,295	6,147.6	sr4	5,159.5			
Mental Health	19 Road traffic accident casualties ¹²	2012	80	66.5	sr4	63.2			
	20 Population prescribed drugs for anxiety/depression/psychosis ³	2014	22,302	18.3	%	17.4			
	21 Patients with a psychiatric hospitalisation ¹²	2012	285	243.1	sr4	291.6			
Social Care & Housing	22 Deaths from suicide ¹⁷	2011	15	12.8	sr4	14.5			
	23 Adults claiming incapacity benefit/severe disability allowance/ employment and support allowance	2014	6,845	5.6	%	5.1			
	24 ³ People aged 65 and over with high levels of care needs who are cared for at home	2013	356	30.0	%	34.7			
	25 Children looked after by local authority ³	2013	506	19.7	cr2	14.4			
	26 Single adult dwellings	2014	22,032	38.4	%	37.5			
Education	27 Average tariff score of all pupils on the S4 roll ¹³	2012	n/a	183.0	mean	193.0			
	28 Primary school attendance	2010	8,351	94.9	%	94.8			
	29 Secondary school attendance	2010	6,730	90.5	%	91.1			
Economy	30 Working age adults with low or no educational qualifications ³	2013	13,500	18.0	%	12.6			
	31 Population income deprived	2014	20,060	16.4	%	13.1			
	32 Working age population employment deprived	2014	11,710	15.1	%	12.2			
	33 Working age population claiming Out of Work benefits	2014	11,485	14.8	%	12.0			
	34 Young people not in employment, education or training (NEET). ³	2014	460	8.0	%	6.5			
	35 Children living in Poverty	2012	5,345	19.4	%	15.3			

	2014	4b0	8.u	%	b.s
34 Young people not in employment, education or training (NEET). ³	2012	5,345	19.4	%	15.3
35 Children Living in Poverty	2014	2,570	8.3	%	6.9
36 People claiming pension credits (aged 60+)	2014	5,228	42.8	cr2	40.4
37 Crime rate	2012	221	226.9	sr4	171.2
38 Prisoner population ^{3,13}	2013	19	1.8	cr2	2.1
39 Referrals to Children's Reporter for violence-related offences ³	2014	1,567	128.3	cr9	112.0
40 Domestic Abuse ³	2014	163	13.3	cr9	11.9
41 Violent crimes recorded ³	2014	952	77.9	cr9	68.9
42 Drug crimes recorded ³	2013	34,444	28.1	%	29.7
43 Population within 500 metres of a derelict site	2014	15,298	12.5	%	15.0
44 People living in '15% most 'access deprived' areas	2014	n/a	52.0	%	55.8
45 Adults rating neighbourhood as 'a very good place to live' ^{3,14}	2012	171	47.3	cr2	41.1
46 Teenage pregnancies ¹²	2013	305	24.4	%	18.5
47 Mothers smoking during pregnancy ¹²	2013	19	1.7	%	2.0
48 Low birth weight ¹²	2013	198	16.2	%	26.8
49 Babies exclusively breastfed at 6-8 weeks ¹²	2013	858	67.5	%	66.7
50 Child dental health in primary 1	2013	451	43.1	%	47.7
51 Child dental health in primary 7	2013	178	13.9	%	10.1
52 Child obesity in primary 1	2011	3,783	74.0	%	72.5
53 Breast screening uptake ¹²	2012	11,083	55.0	%	56.0
54 Bowel screening uptake ¹²	2013	1,336	99.4	%	98.2
55 Immunisation uptake at 24 months - 5 in 1 ¹²	2013	1,311	97.6	%	95.3
56 Immunisation uptake at 24 months - MMR ¹²					

Key

- Spine Chart Key:**
- Statistically significantly 'worse' than National average
 - Statistically not significantly different from National average
 - Statistically significantly 'better' than National average
 - Statistically significant difference compared to National average
 - △ No significance can be calculated



Notes:

- 3. Data available down to council (local authority) area only.
- 12. Three-year average number, and 3-year average annual measure.
- 13. Indicator based on HB boundaries prior to April 2014.
- 14. Two-year combined number, and 2-year average annual measure.
- 15. All 6 diagnosis codes used in the analysis; please see the technical report for more information.
- 16. Two-year average number, and 2-year average annual measure
- 17. Five-year average number, and 5-year average annual measure
- 18. Three year average for health boards, local authorities and Scotland. Five year average intermediate geographies

Spine Chart Key:

- % =percent
- cr2 =crude rate per 1,000 population
- cr9 =crude rate per 10,000 population
- mean=average
- sr4 =age-sex standardised rate per 100,000 population to ESP2013. Please see Appendix 1 in the technical report.
- ys =years

See the detailed Definitions and Sources table for indicator information and Technical Report for further guidance on interpreting the spine.

Overview of the ScotPHO profiles for East Ayrshire

Introduction

This section provides an overview of the population in East Ayrshire and all the health and wellbeing indicators in the area. The 56 indicators are split into 13 themes (also called domains). For each theme, comparisons are made between what is observed locally and the national picture.

As we include all indicators in the overview summary, some of these differences may be due to random variation. The spine chart (page 4–5) can be used to examine this. The colour of the dot on the spine chart indicates whether the differences are considered to be due to random variation or are statistically significant. Note that an indicator shown as higher does not always mean worse; it could be better. This depends on what the individual indicator measures. Please note that in this overview we use 'similar' wherever a difference is not statistically significant.

Population structure

In 2014, 64% (77,783/122,150) of the population of East Ayrshire was of working age (16–64 years), lower than the national percentage of 65%. Children and young people (aged 0–15 years) made up 17.4% (21,162/122,150) of the population, higher than the national 17%. Adults aged over 75 years comprised 8% (9,983/122,150) of the population, similar to the national average of 8%. The population structure of East Ayrshire has more younger people, similar older people and fewer people of working age than the national average.

Life expectancy

Life expectancies in 2011, at 76.1 years for males and 80.2 years for females, were similar to the Scottish average of 76.6 years for males and similar to the Scottish female average of 80.8 years.

Mortality

In 2012–2014, the overall mortality rate among young adults (aged 15–44 years) was, at 125, similar to the Scottish rate of 101. Among those aged under 75 years, cancer mortality was 160, so similar to the Scottish rate of 155. For the same age group, for coronary heart disease, the mortality rate was 65, similar to the Scottish rate of 61.

Behaviours

In East Ayrshire the prevalence of smoking in adults in 2014 was, at 23%, similar to that in Scotland (20%). The rate for smoking-attributable deaths in 2013–2014, at 427, was higher than Scotland (367). The rate for alcohol-related hospital stays in 2014/15 was 744, higher than the rate for Scotland (672). The rate for drug-related hospital stays in 2012/13–2014/15, at 243, was higher than Scotland's 122. In 2010–2014, the rate for alcohol-related deaths, at 24, was similar to the Scottish rate of 23. The percentage of adults walking or cycling to work in 2012/2013, at 11%, was similar to the 16% who did so in Scotland overall.

Ill-health and injury

The rate for cancer registration in 2011–2013 was, at 635, similar to Scotland's overall rate of 634. The rate for patients hospitalised with asthma in 2011–2013, 104, was similar to the Scottish rate of 91. The rate for emergency hospitalisations in 2011–2013, at 9240, was higher than the rate for Scotland (7500). The rate for patients hospitalised for chronic obstructive pulmonary disease (COPD) in 2011–2013, at 1032, was higher than the Scottish rate of 660. In 2011–2013, coronary heart disease rate was, at 509, higher than the Scottish level of 440. For road traffic accidents in 2011–2013 the rate was, at 67, similar to the Scottish rate of 63. The rate for adults aged 65 years and over with multiple hospital admissions in 2011–2013, at 6150, was higher than that in Scotland (5160).

Mental health

The percentage of people prescribed medication for anxiety, depression or psychosis in 2014/15 was, at 18%, higher than Scotland overall (17%). The rate for psychiatric hospitalisations in 2011–2013 was 243, which was lower than the Scottish rate of 292. The suicide rate in 2009–2013 was 13, which was similar to the Scottish rate of 15.

Social care and housing

In 2014, 5.6% of adults claimed incapacity benefit, severe disability allowance or employment and support allowance; this was higher than the Scottish figure of 5.1%. The percentage of those aged 65 years and over with high care needs cared for at home, at 30%, was lower than in Scotland overall (35%). The crude rate for children who were looked after by the local authority, at 20/1000, was similar to Scotland's rate of 14/1000. The proportion of households occupied by single adults (38%) was similar to the 38% in Scotland as a whole.

Education

In 2012/13, the mean tariff score – which measures exam success rates – was 183, in comparison with the Scotland mean of 193. In 2010/11, the percentage attendance at primary school in East Ayrshire, at 94.9%, was similar to Scotland overall (94.8%) and the secondary school attendance of 90.5% was similar to Scotland's 91.1%. In 2013, some 18% of working-age adults had low or no educational qualifications, in comparison with 12.6% in Scotland.

Economy

Economic deprivation indicators mostly suggested that the level of deprivation in East Ayrshire was higher than the level for Scotland overall. In 2014, the percentage who were income deprived in East Ayrshire was 16% for all ages, higher than the 13% for all ages for Scotland. 15% were employment deprived, higher than the 12% for those employment deprived in Scotland. In 2014, the percentage who claimed out-of-work benefits, at 14.8%, was higher than the 12% across Scotland. In 2014, the percentage of young adults who were outside employment, education or training was 8%, which was higher than the 7% for Scotland. In 2012, the percentage of children living in poverty was 19%, and so was higher than the 15% for Scotland. The percentage of those aged 60 years and over who claimed pension credits in 2014, at 8.3%, was higher than the 6.9% for Scotland.

Crime

In East Ayrshire the crude population crime rate for 2014 was higher than Scotland at 43/1000 (Scotland: 40/1000) and the crude domestic abuse rate was higher than Scotland at 128/10,000 (Scotland: 112/10,000). The crude rate for recorded drug crimes was higher than Scotland's rate, at 78/10,000 (Scotland: 69/10,000), and the crude rate for referrals to the children's reporter for violence-related offences was similar to Scotland at 1.8/1000 (Scotland: 2.1/1000). The crude rate for recorded violent crimes was similar to Scotland at 13/10,000 (Scotland: 12/10,000). The rate for prisoner population, at 227, was higher than the Scottish rate of 171.

Environment

In 2013, the percentage of the population who lived within 500m of a derelict site in East Ayrshire was 28%, which was lower than that in Scotland (30%) and the percentage with access deprivation (i.e. within the 15% of the Scottish population who lived furthest away from local services) was, at 13%, lower than the 15% for Scotland. In 2014, the percentage of adults who rated their area as a very good place to live was, at 52%, similar to Scotland's 56%.

Women's and children's health

In 2011–2013, the crude rate for teenage pregnancy was 47/1000, so similar to Scotland's 41/1000. In 2012/13–2014/15, 2% of births were low weight, similar to Scotland at 2%. In 2013/14 the prevalence of childhood obesity in primary 1 was 14%, so higher than Scotland's 10%. The proportion of mothers smoking in pregnancy, at 24%, was higher than the 19% for Scotland in 2012/13–2014/15. The percentage of exclusive breastfeeding, at 16% in 2012/13–2014/15, was lower than Scotland's 27%. In 2013/14, 67% of children in primary 1 had good dental health, similar to Scotland at 68%. The dental health of children in primary 7, at 43% with no obvious decay experience, was lower than the Scottish average of 48%.

Immunisation and screening

For breast screening, the uptake rate of 74% in 2010–2012 was higher than the national average of 73%. For bowel screening, the uptake rate of 55% was lower than the 56% uptake for Scotland. The immunisation uptake for MMR (measles, mumps, rubella) by age 2 years was 98% in 2012–2014, higher than Scotland's 95%. The immunisation uptake for 5 in 1 (diphtheria, pertussis, tetanus, polio, Hib [meningitis]) by age 2 years in 2012–2014 was 99%, higher than Scotland's 98%.

Intermediate zones

Spine charts showing the data that are available for smaller areas within East Ayrshire (intermediate zones [IZs] – areas with approximately 10,000 individuals) are available via the online tool, but it is not possible to show these in the printed reports owing to the volume of the data (there are 1235 IZs in Scotland). The IZs can be further investigated by selecting Intermediate Zone from the Geography drop-down menu in the 'Profiles update process' section within the tool. This will show a map initially featuring the IZs for Aberdeen City. Use the buttons provided to zoom in (+) or out (–) of the map. You can select any local authority from the drop-down menu to the top-right of the map. To access the spine, trend and rank charts about a particular IZ, choose one from the list in the left-hand drop-down menu. Some indicators, particularly those reliant on survey data or those which have a very small number of outcomes, are not available at this level.

Comparisons, time trends, other indicators and further data

Using the online ScotPHO profiles tool (www.scotpho.org.uk/comparative-health/profiles/online-profiles-tool) it is possible to compare the outcomes between any NHS Board, local authority or IZ area. A wider range of outcomes data are also available in the tool, including alcohol and drugs profiles, older adults' profiles, diabetes profiles and mental health profiles.

In any of the ScotPHO profiles the extent to which any differences may be due to random variation or chance is indicated by the colouring of the dots. By clicking on each individual indicator in the online tool it is also possible to compare areas on a rank chart and view time-trend data. Where relevant, data are also presented as standardised rates (to balance and account for age differences between areas) and as crude rates (to reflect the actual number of individuals/events for a particular outcome for service planning). Data across the socioeconomic determinants of health and health topic areas are available on the ScotPHO website: www.scotpho.org.uk

To examine inequalities within local authority areas, use the ScotPHO deprivation profiles from the online tool. These provide data on the inequalities across the local populations broadly in line with the outcomes relevant to Single Outcome Agreements (economic recovery and growth, employment, early years, safer and stronger communities and health inequalities).

A technical report is available on the profiles gateway page (www.scotpho.org.uk/opt/Reports/HWP-2015-technical-report-13112015.pdf), giving more background on the indicators and how they were measured. A user guide for the online profiles tool is also available here.

Contact ScotPHO scotpho@nhs.net for further information.