

Health analysis at ONS

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Demographic context

- Sustained and continuing population growth
- The ageing population "baby boomers" leaving working age population combined with increasing life expectancy
- Life expectancy v healthy life expectancy
- Inequality in life expectancy geographical, socioeconomic class, deprivation, gender
- Impact of migration on OADR

The UK population in 2014

Mid-year population estimate was 64.6 million

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Population aged 15 and under = 18.8%
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• Population aged 16 to 64 = 63.5%
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• Population aged
$$65+$$
 = 17.6%

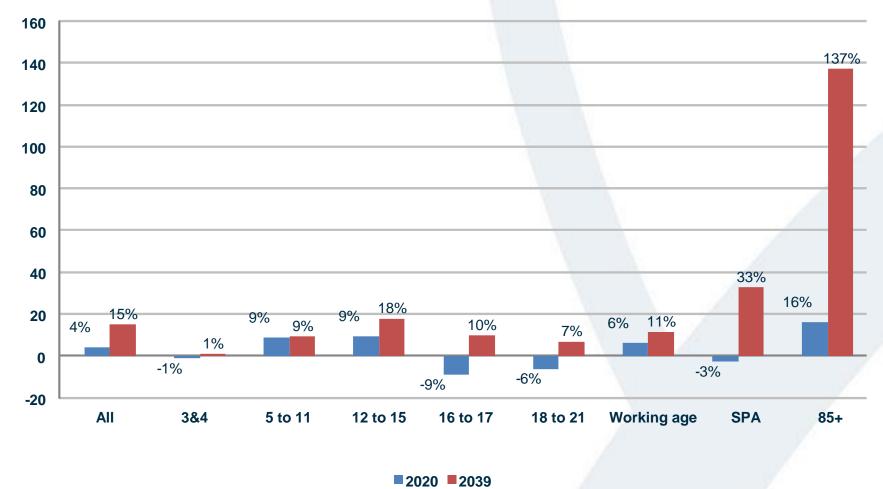
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• Population aged 66+ = 16.5\%
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• Population aged 67+ = 15.4%

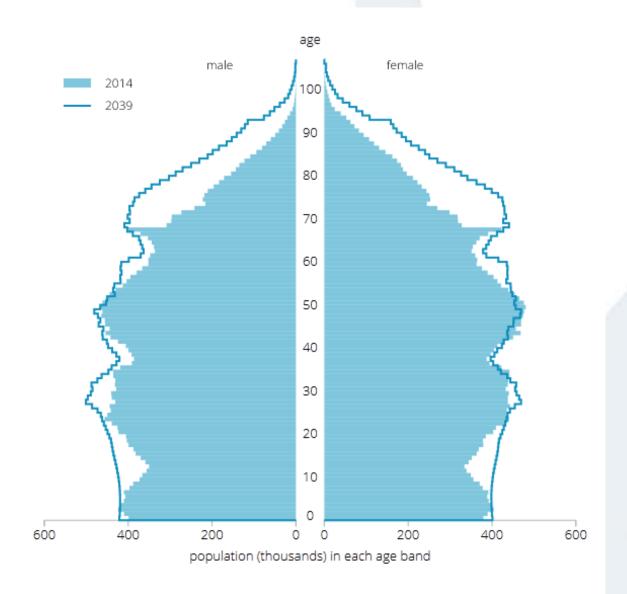
Old-age dependency ratio = 310 per 1000

UK Population to grow: short term falls in some age groups

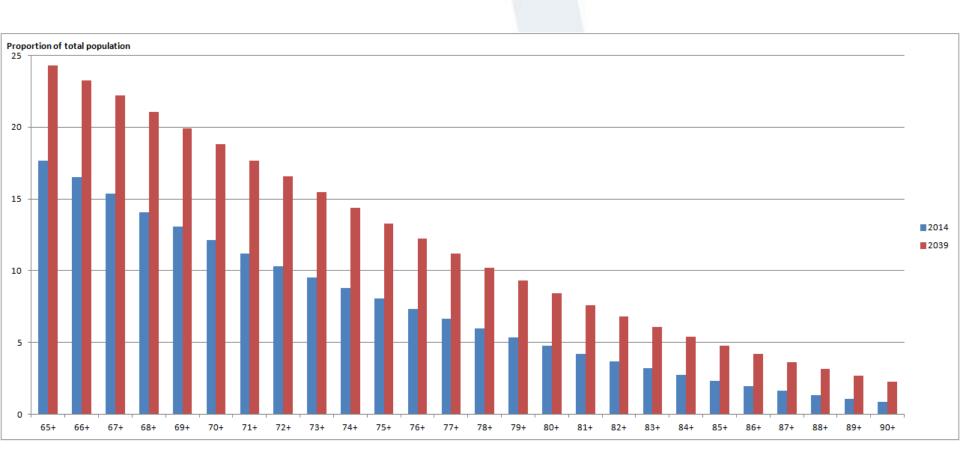




UK Population, 2014 and 2039



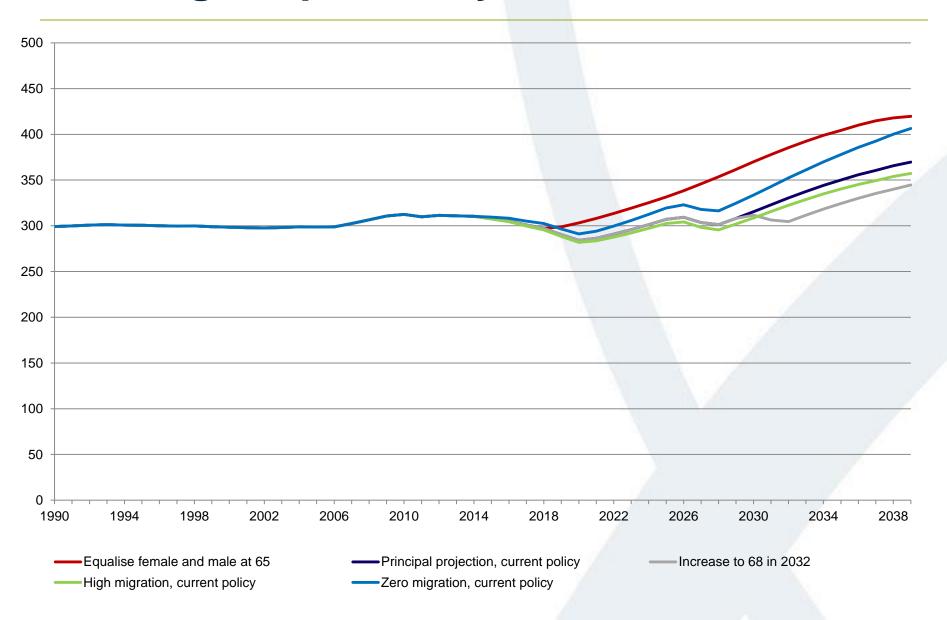
Age distribution, 2014 and 2039



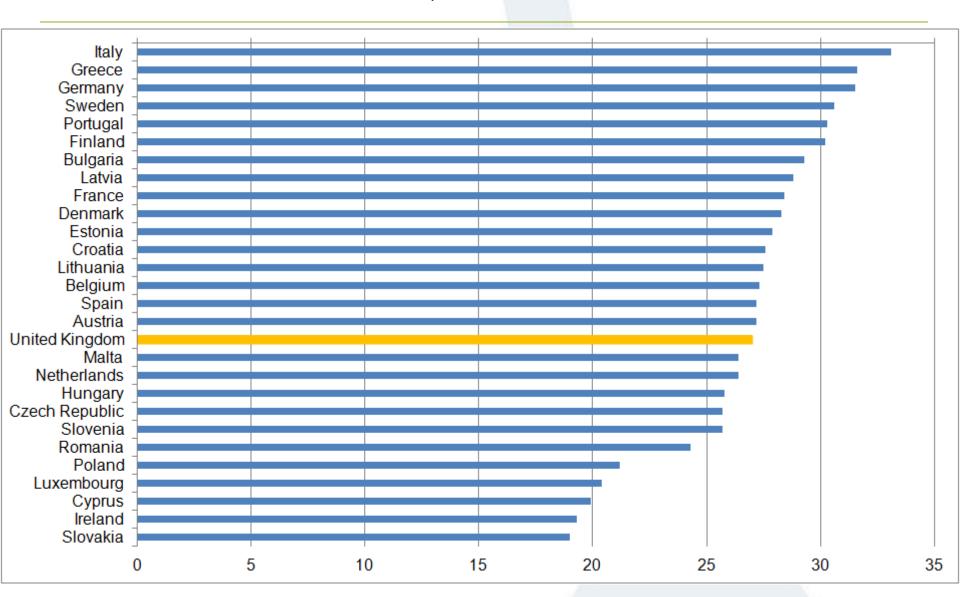
The ageing population

	2014		2039	
	Population (millions)	Proportion (%)	Population (millions)	Proportion (%)
Population aged 65+	11.4	17.6	18.1	24.3
Population aged 85+	1.5	2.3	3.6	4.8

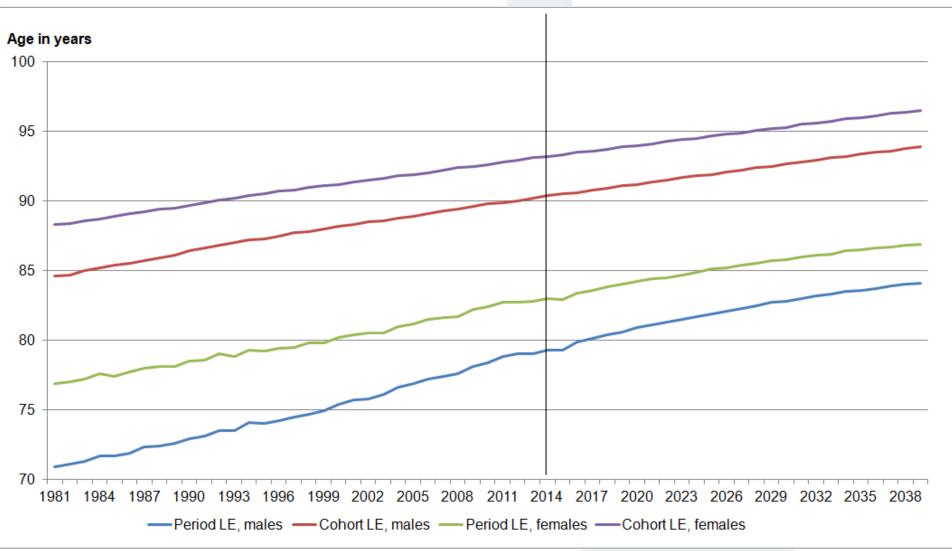
Old age dependency ratio



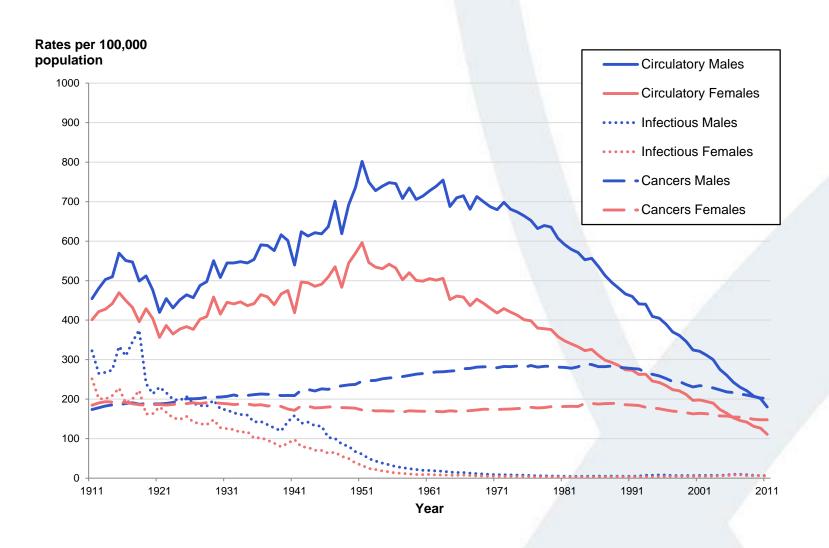
OADR across EU, 2014



Life expectancy at birth, principal projection, 1981-2039



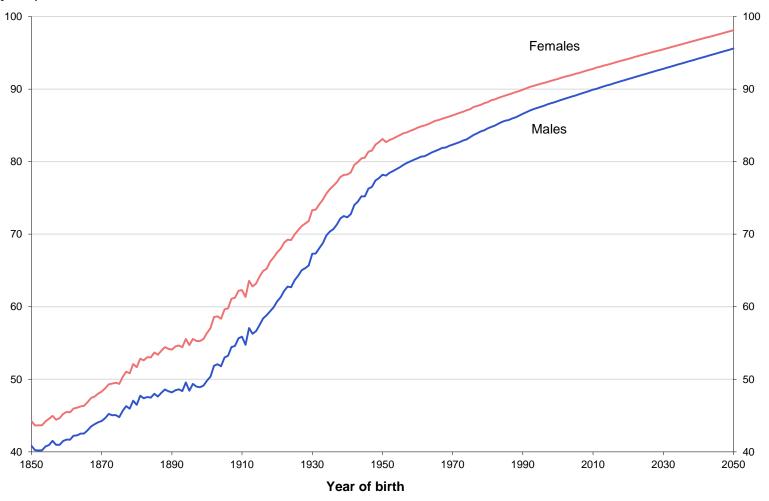
Age-standardised mortality rates by major cause, 1911-2011



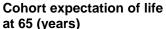
Cohort expectation of life at birth, historic and projected mortality rates, 1850-2050,

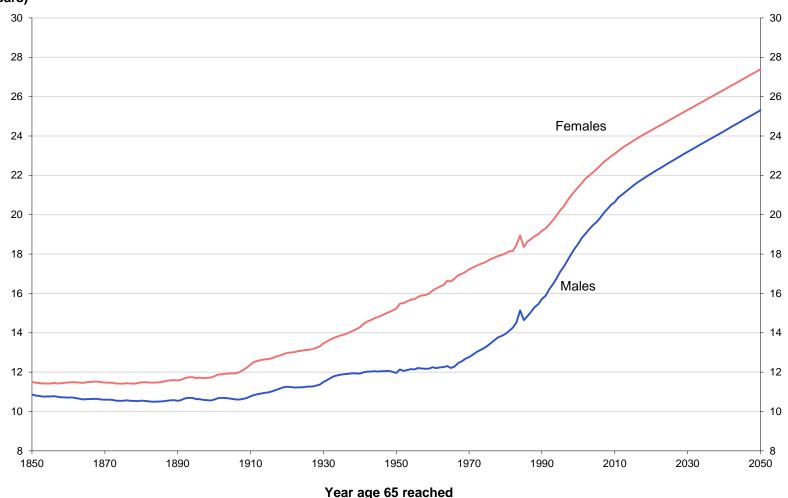
E+W

Cohort expectation of life at birth (years)

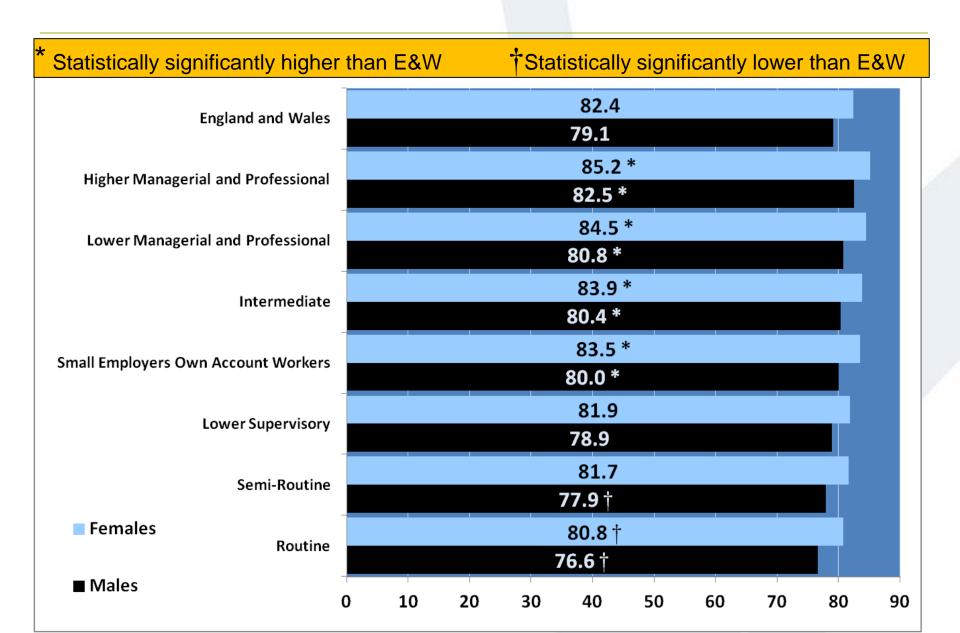


Cohort expectation of life at age 65, historic and projected mortality rates, 1850-2050, E+W





Life Expectancy at birth by socioeconomic class, 2007-11

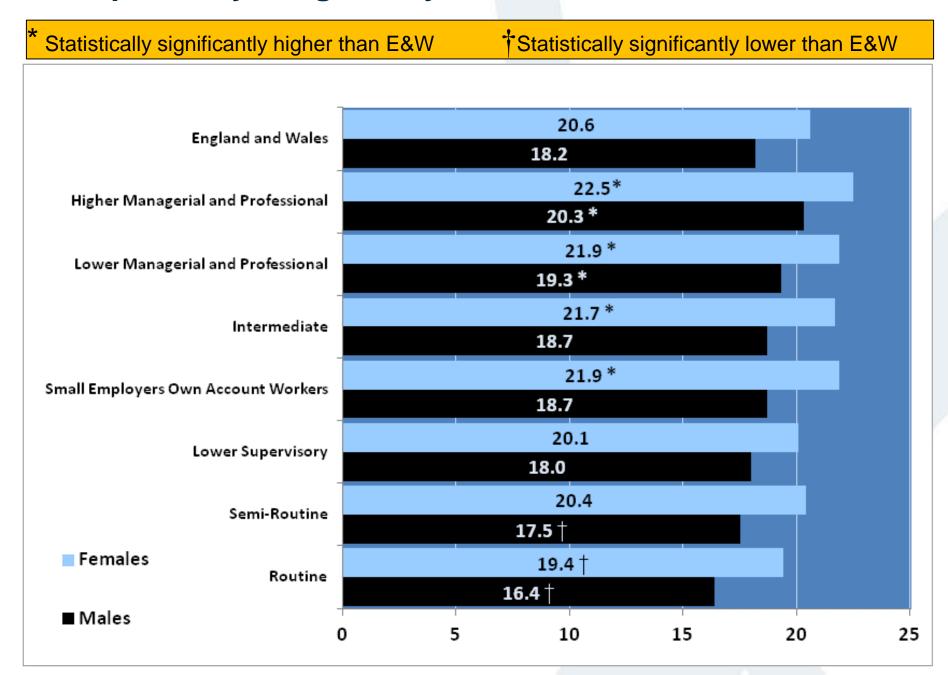


Life Expectancy at birth by socioeconomic class

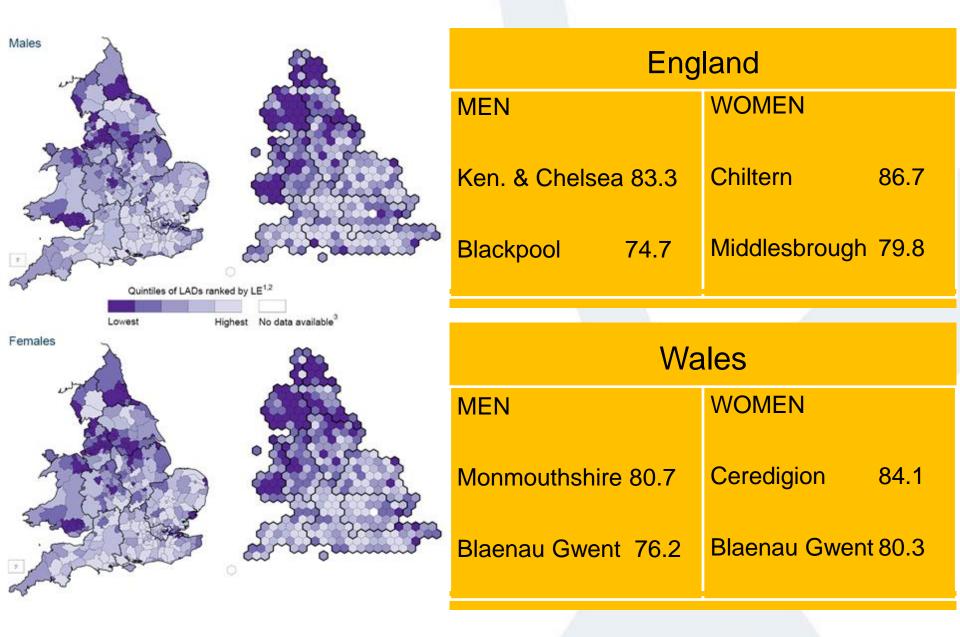
Life expectancy, highest socioeconomic group and the average women, England and Wales, 1982-86 to 2007-11



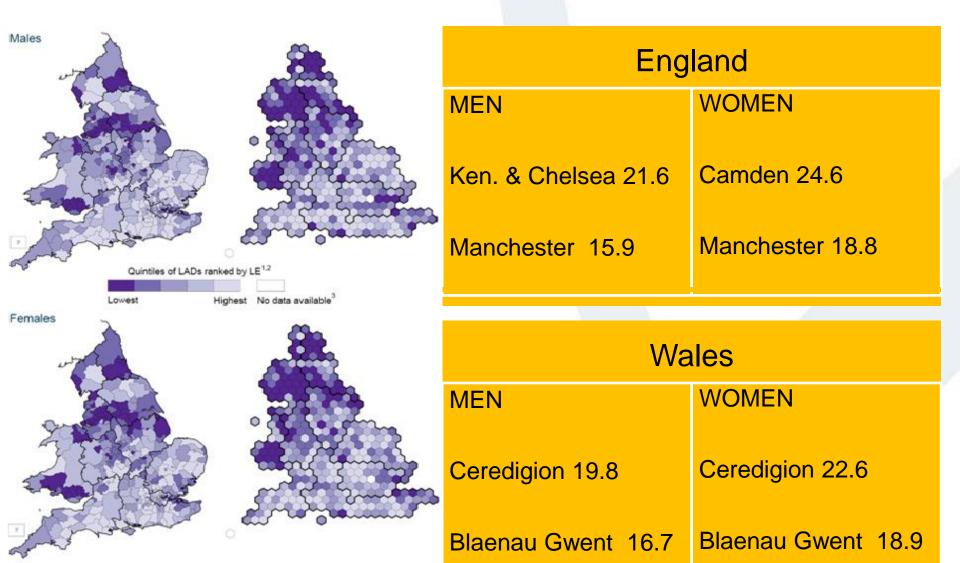
Life expectancy at age 65 by socioeconomic class, 2007-11



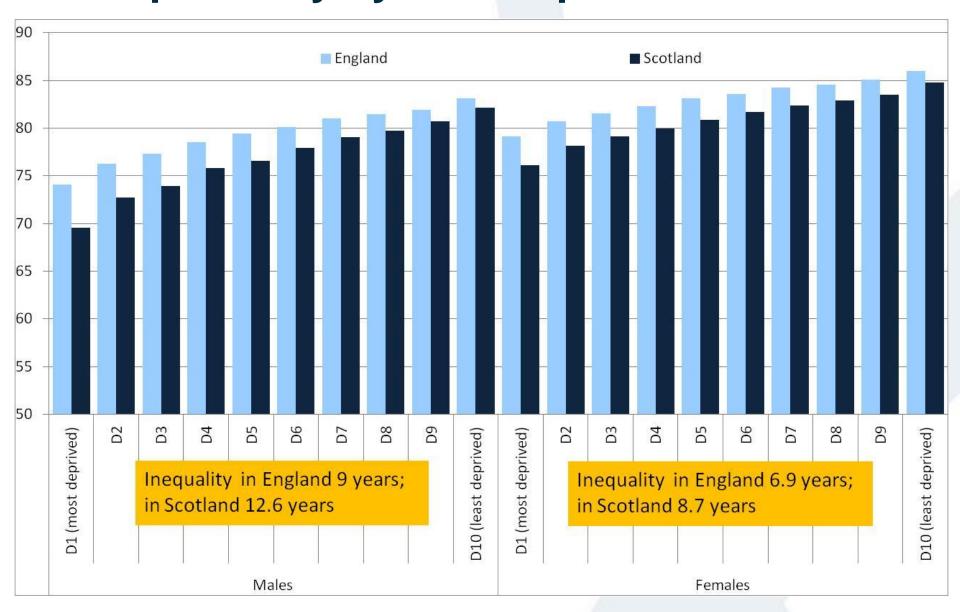
Local area life expectancy at birth (2012-14)



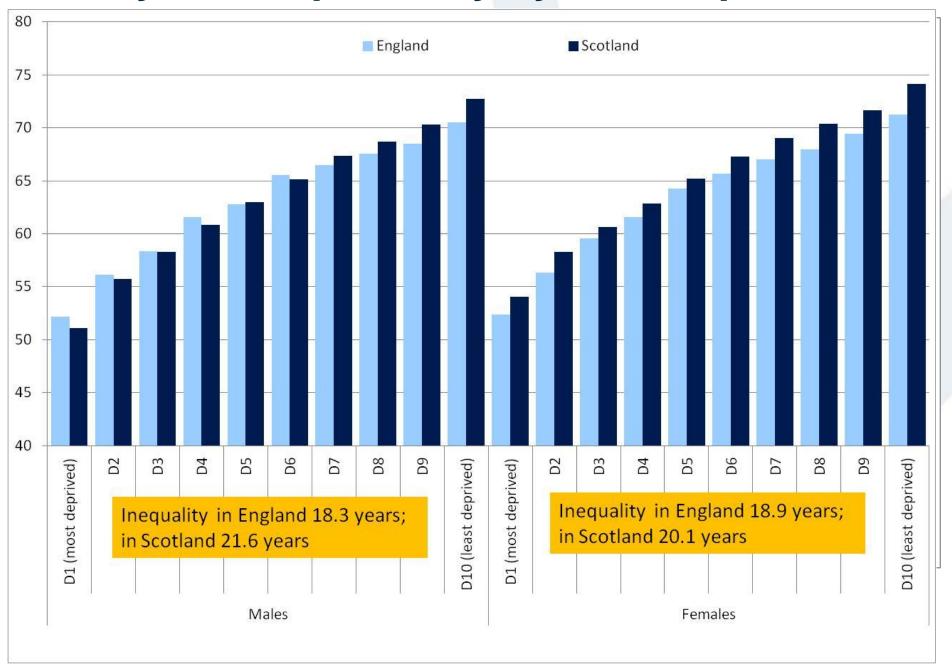
Local area life expectancy at age 65 (2012-14)



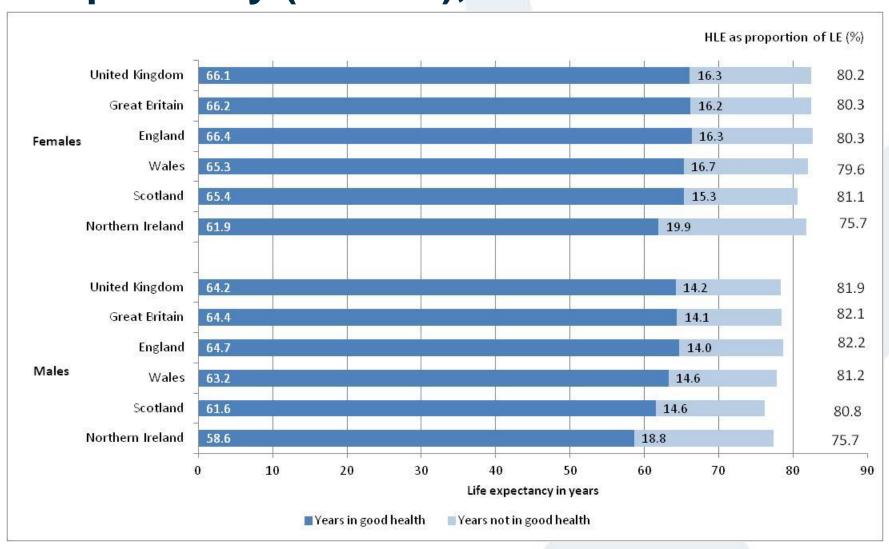
Life Expectancy by area deprivation



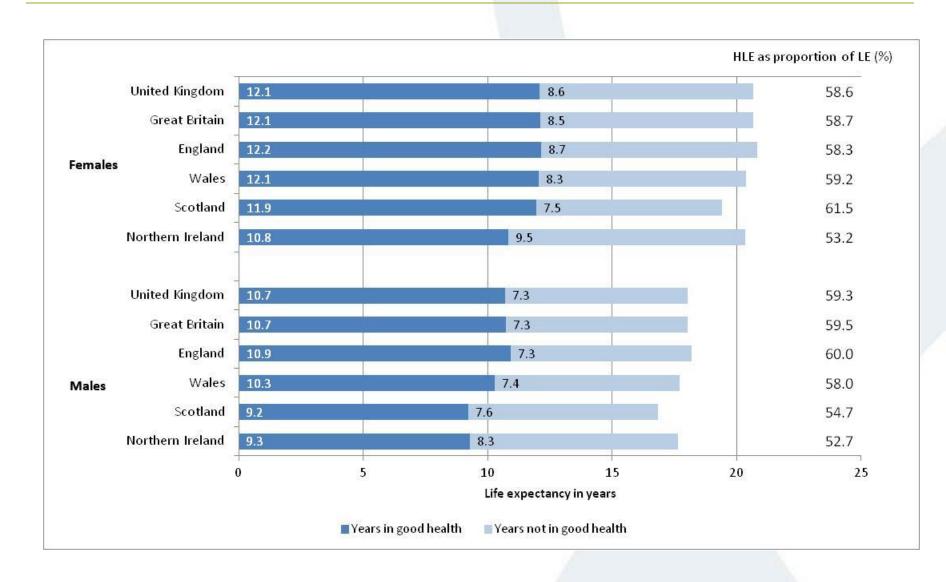
Healthy Life Expectancy by area deprivation



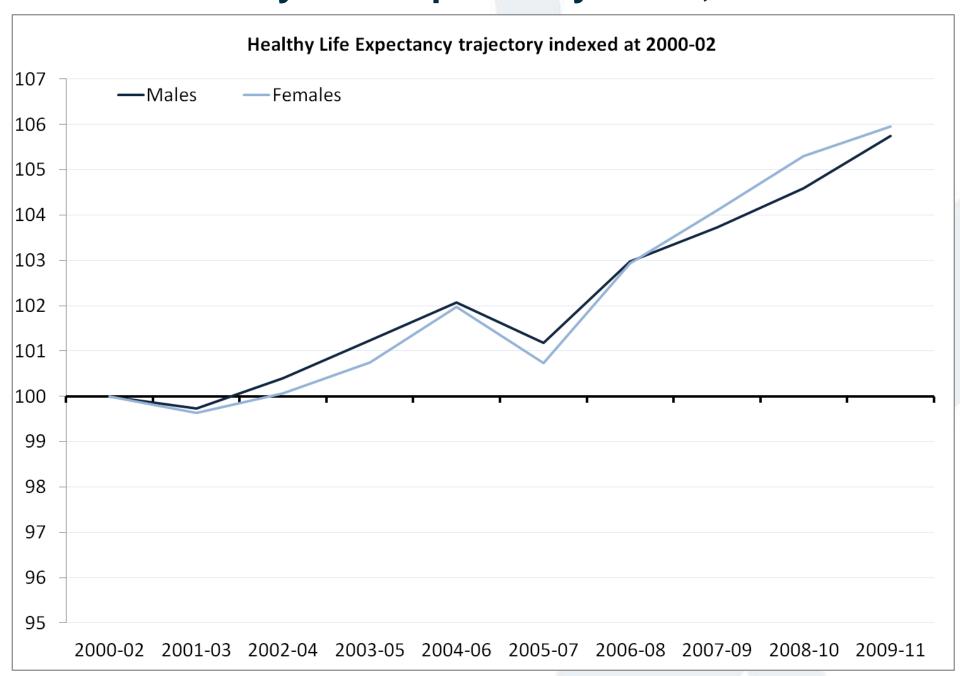
Life expectancy and healthy life expectancy (at birth), 2009-11

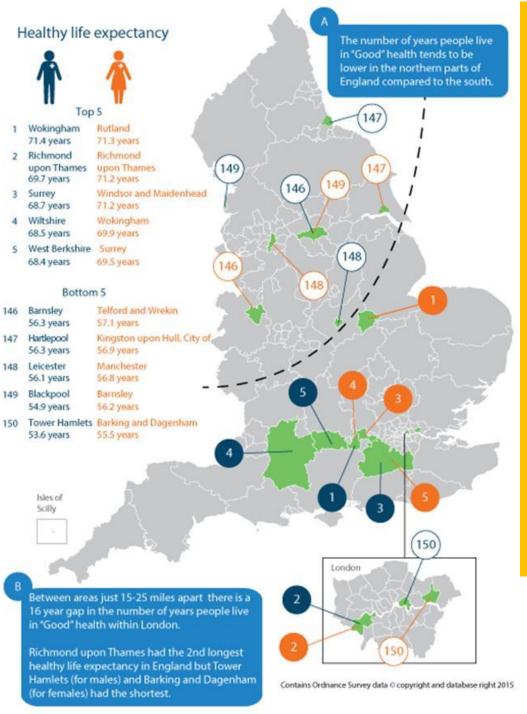


Life expectancy and healthy life expectancy (at age 65), 2009-11



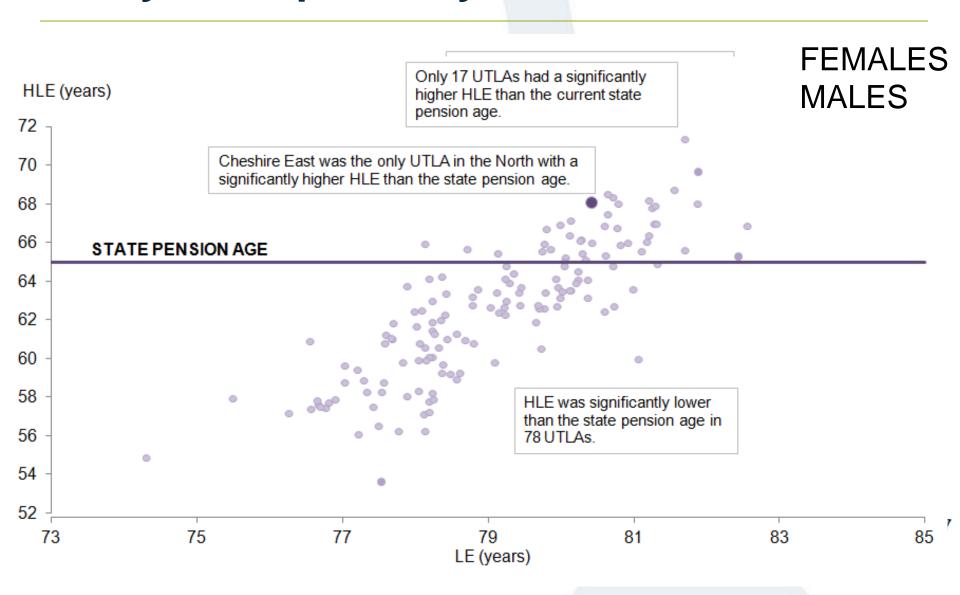
Trend in Healthy Life Expectancy in UK, 2000-2011



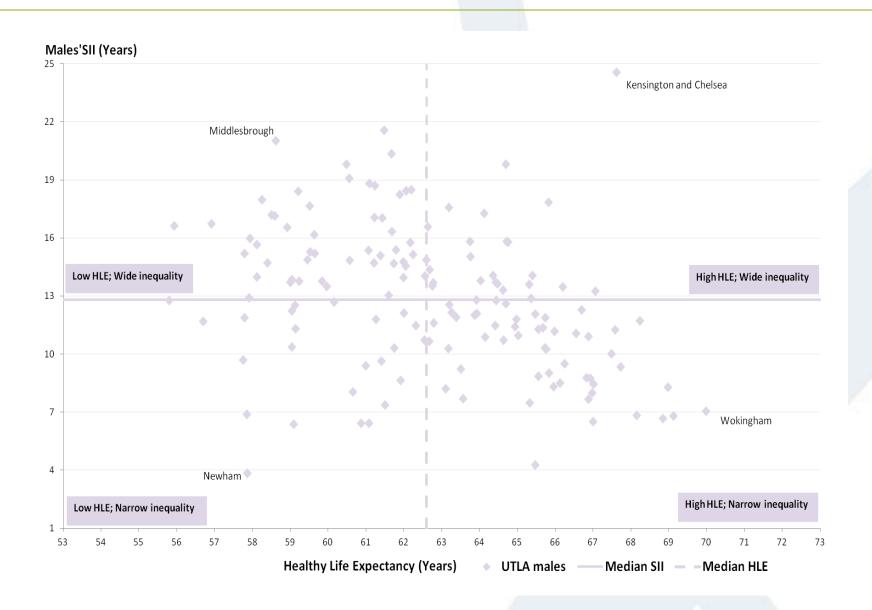


- Gap between authorities
 - Males 17.8 years
 - Females 15.8 years
- HLE > state pension age (65)
 - Males in a quarter of authorities
 - females in a third of authorities
- Authorities with SS higher HLE
 - Males 42
 - Females 42
- Authorities with SS lower HLE
 - Males 57
 - Females 54

Healthy life expectancy at birth, 2011-13

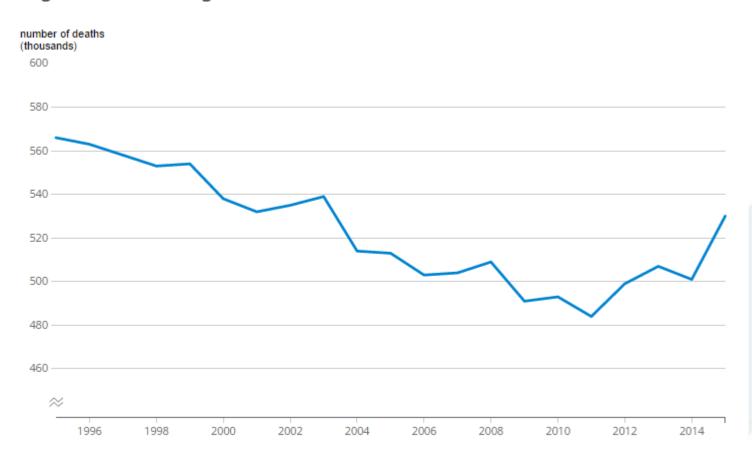


Inequality in HLE, 2009-2013



Rise in deaths in 2015

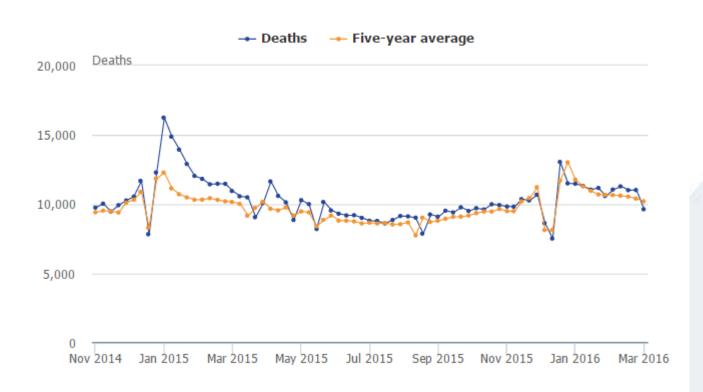
Registered deaths, England and Wales, 1995 to 2015



Source: Provisional analysis of 2015 death registrations, ONS

Rise in deaths in 2015

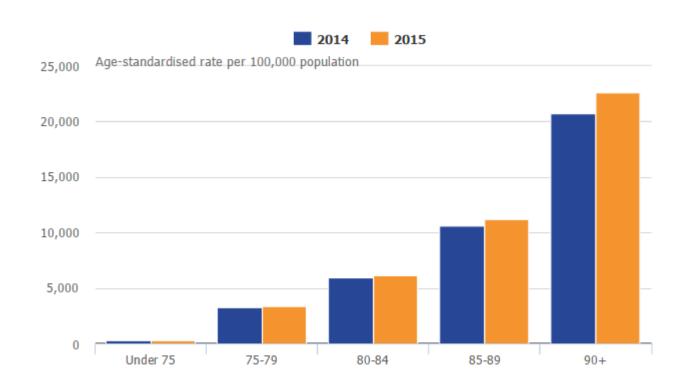
Figure 1: Weekly death registrations and 5-year average, England and Wales, Nov 2014 to Mar 2016



Source: Office for National Statistics

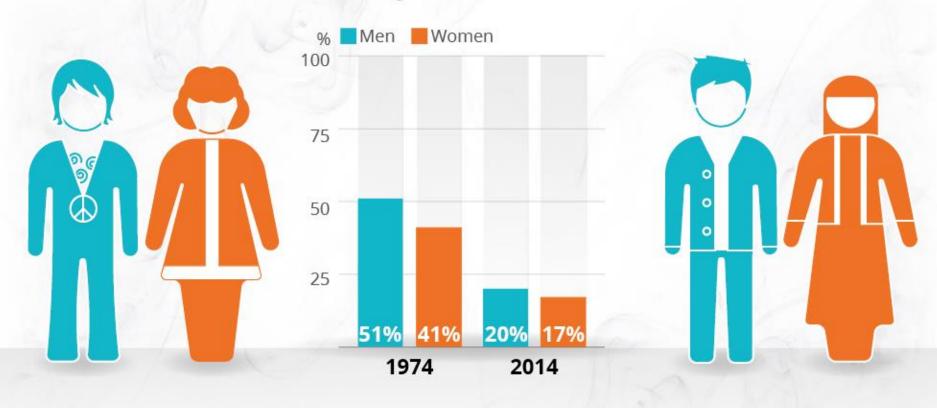
Rise in deaths in 2015

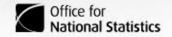
Figure 4: Age-specific mortality rate, England and Wales, 2014 to 2015



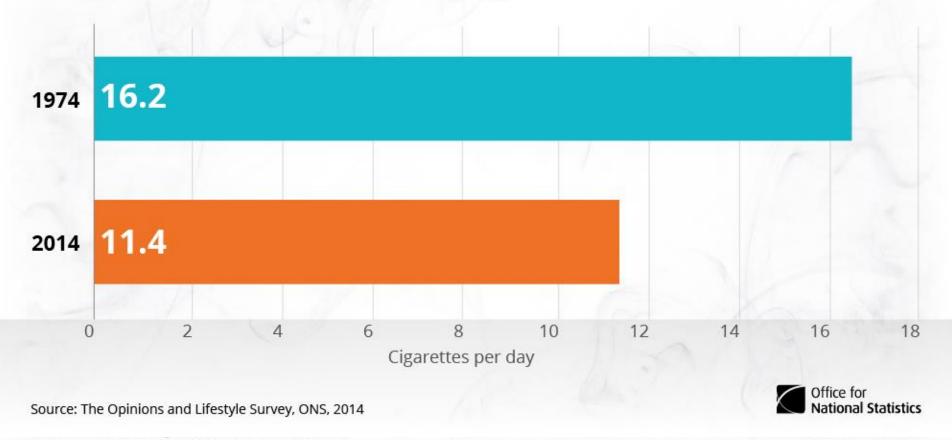
Source: Office for National Statistics

Men and women smokers in the UK aged 16 and over, Great Britain 1974 and 2014

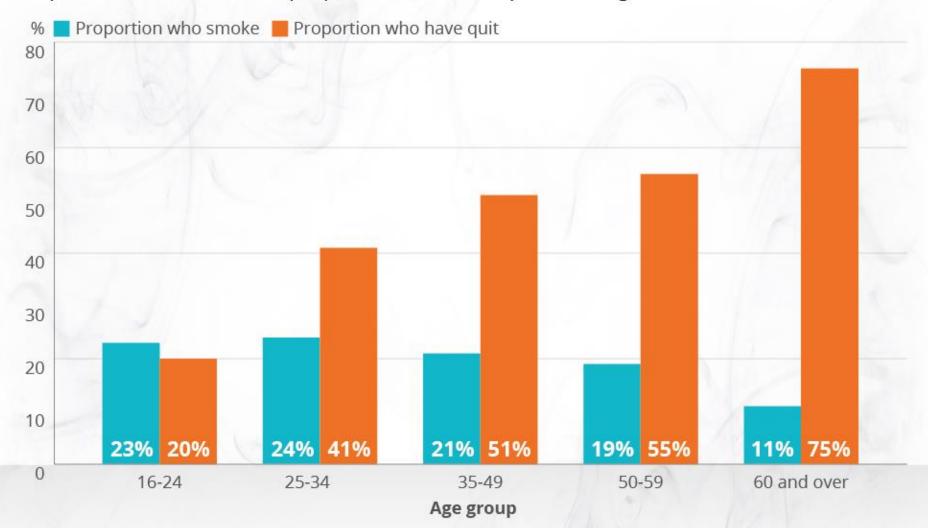


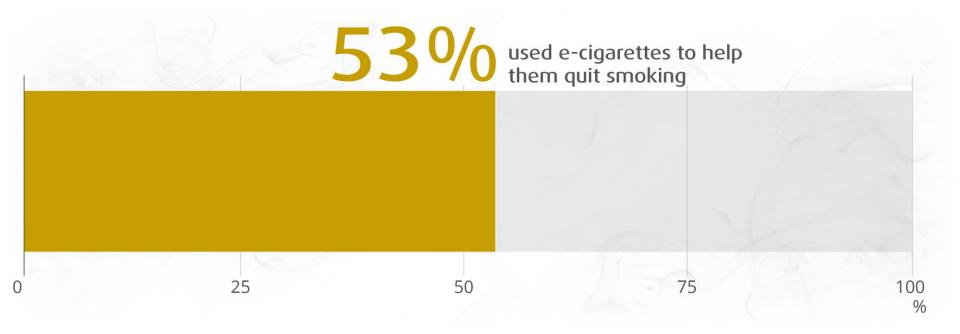


Average number of cigarettes smoked every day, Great Britain 1974 and 2014

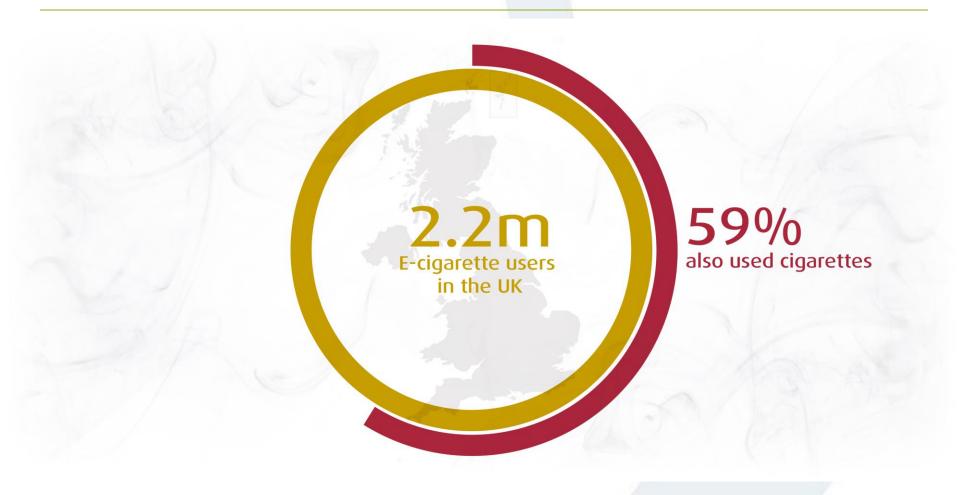


Proportion who smoke and proportion who have quit smoking, Great Britain, 2014

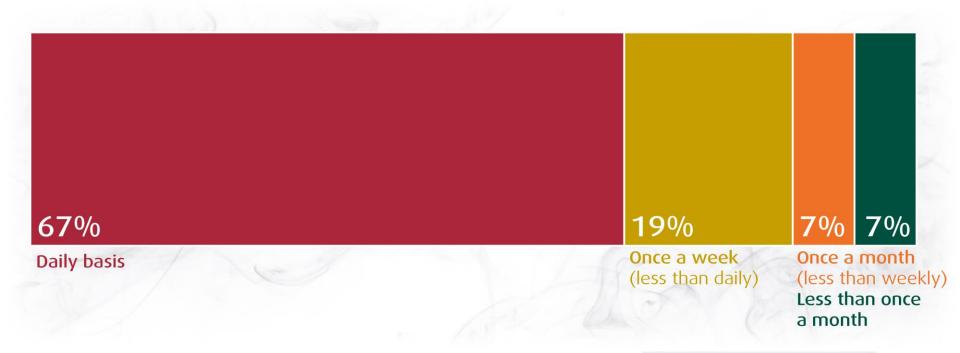




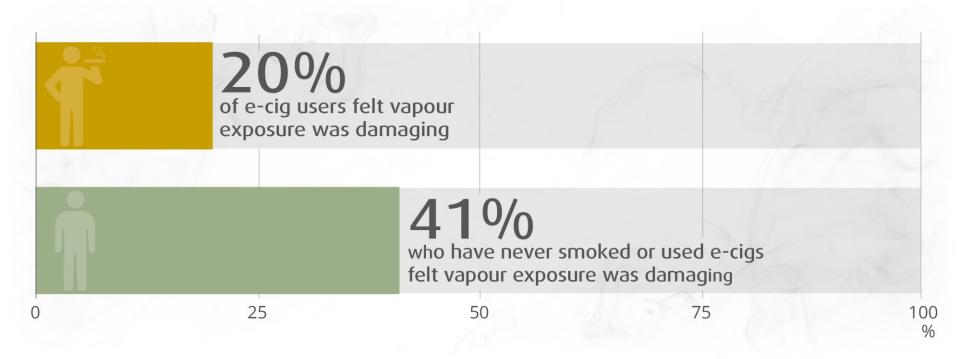
Smoking & e-cigs



E-cig use



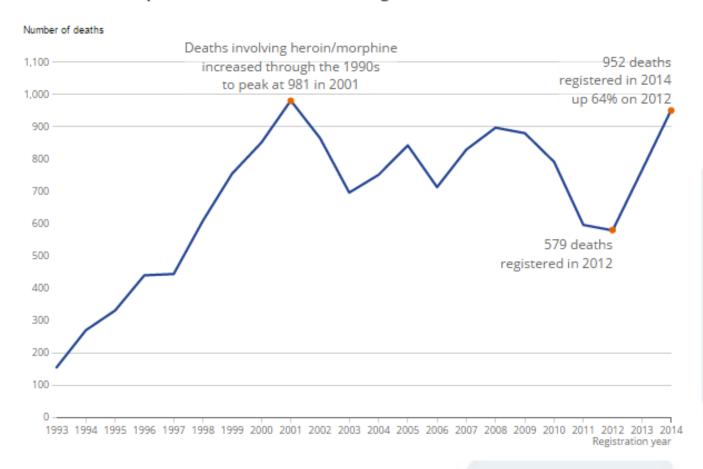
E-cig use



Drug related deaths

Deaths involving heroin and morphine similar to peak in 2001

Heroin and morphine deaths, 1993 to 2014, England and Wales



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