
Professor Sir Ian Diamond | National Statistician

Geraint Davies MP
House of Commons
London
SW1A 0AA

05 May 2023

Dear Mr Davies,

As National Statistician and Chief Executive of the UK Statistics Authority, I am responding to your Parliamentary Question asking how many deaths there have been from cardiovascular causes in (a) East Midlands, (b) East of England, (c) Greater London, (d) North East, (e) North West, (f) South East, (g) South West, (h) West Midlands, (i) Yorkshire and the Humber and (j) England in each year since 2017 for which figures are available **(183299)**.

The Office for National Statistics (ONS) publishes statistics on deaths registered in England and Wales. Mortality statistics are compiled from information supplied when deaths are certified and registered as part of civil registration.

Causes mentioned on the death certificate are converted to International Classification of Diseases 10th edition (ICD-10) codes, with the underlying cause of death defined as the disease or injury that initiated the events that directly lead to the death. At the ONS, we use the term "due to" to refer to the underlying cause of a death.

The ICD-10 codes of cardiovascular diseases are codes I00 to I99, which come under Chapter 9: Diseases of the circulatory system.

Table 1 shows the number of deaths due to cardiovascular diseases, registered between 2017 to 2021 in England by region. Data for 2022 will be available from mid-2023. Table 2 shows the age-standardised mortality rates (ASMRs) for deaths due to cardiovascular diseases, registered between 2017 to 2021, in England by region.

Yours sincerely,



Professor Sir Ian Diamond

Table 1: Number of deaths by cardiovascular diseases, deaths registered between 2017 and 2021, in England by region^{1,2,3,4}

Region	2017	2018	2019	2020	2021
East	14,162	14,129	13,793	13,702	13,742
East Midlands	11,074	11,151	11,068	11,491	11,890
London	13,036	12,869	12,612	12,838	12,937
North East	6,634	6,572	6,444	6,570	6,531
North West	17,825	17,269	17,172	17,252	17,874
South East	20,079	20,001	19,763	20,500	20,355
South West	14,448	14,256	13,700	14,311	14,593
West Midlands	13,747	13,725	13,137	14,219	14,088
Yorkshire and The Humber	13,636	13,242	12,968	13,219	13,437
England	124,641	123,214	120,657	124,102	125,447

Source: Office for National Statistics

Table 2: Age-standardised mortality rates for deaths due to cardiovascular diseases, registered between 2017 to 2021, in England by region^{1,2,3,4}

Region	2017	2018	2019	2020	2021
East	224.71	221.03	210.47	207.04	208.78
East Midlands	242.29	239.69	232.41	238.89	245.56
London	230.1	222.33	211.44	211.53	227.23
North East	257.93	252.55	241.86	245.03	241.6
North West	263.91	251.78	245.39	244.51	252.76
South East	216.43	212.02	204.29	210.12	209.34
South West	228.25	222.37	208.97	215.33	216.8
West Midlands	248.69	244.86	229.64	246.84	241.45
Yorkshire and The Humber	268.6	257.46	246.55	249.26	252.09
England	239.74	233.31	223.19	227.28	230.43

Source: Office for National Statistics

¹ Figures are for deaths registered each year, rather than death occurrences

² Figures are based on area of usual residence and exclude non-residents

³ Based on underlying cause of death

⁴ Number of deaths by ICD-10 code are available through our explorable dataset NOMIS from 2013 onwards, this can be accessed here:

<https://www.nomisweb.co.uk/query/construct/summary.asp?reset=yes&mode=construct&dataset=161&version=0&anal=1&initset=>