



British Heart
Foundation

Heart and Circulatory Disease Statistics 2025

Published by British Heart Foundation (BHF)

This edition published June 2025

There are **five** chapters presented here: mortality, morbidity, treatment, costs and risk factors.

Original Excel spreadsheets can be found at
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GLOSSARY

Definitions for terms used in this compendium

Acute coronary syndrome (ACS) - a spectrum of conditions, including heart attack, which stop or reduce the blood from flowing to the heart muscle.

Age-standardised rate - a measure of the rate that a population would experience if it had a standard age structure. It is useful to present rates as age-standardised, as it allows for comparisons between populations which may have very different age structures.

Angioplasty - a technique to widen a narrowed or obstructed blood vessel by inflating a small balloon that has been passed into the narrowed location via a catheter. This technique squashes the fatty plaque that has caused the narrowing, hence widening the artery.

Atherosclerosis - a build-up of fatty deposits inside the walls of the arteries - commonly referred to as a hardening or narrowing of the arteries.

Atrial fibrillation (AF) - one of the most common forms of abnormal heart rhythm (arrhythmia or dysrhythmia) - it causes your heart to beat irregularly and often too fast.

Blood pressure - a measure of the force that your heart uses to pump blood around your body. It is measured in millimetres of mercury (mmHg). See also systolic/diastolic pressure, hypertension (high blood pressure).

Body-mass index (BMI) - a formula relating body weight to height to assess whether a person is overweight. Adult BMI is calculated by dividing a person's weight (in kilograms) by their height (in metres) squared, e.g. a man who is 1.8m tall and weighs 90kg has a BMI of 28 ($90/(1.8 \times 1.8)$). Adults with a BMI of 25-30 are considered to be overweight. Those with a BMI of over 30 are considered obese. Children's BMI is calculated differently, taking age and gender, as well as height and weight, into account, and then compares the results with children who took part in national surveys.

British National Formulary (BNF) - a publication that provides key information on the selection, prescribing, dispensing and administration of all medicines that are generally prescribed in the UK.

Cardiovascular disease (CVD) - the collective term for all diseases affecting the heart and blood vessels - also referred to here as heart and circulatory diseases.

Cerebrovascular disease (CBVD) - the collective term for all diseases affecting blood vessels that supply the brain. Technically, stroke (and the many sub-types of stroke) is a subset of cerebrovascular disease, but the two terms are often used interchangeably.

Chronic kidney disease (CKD) - a long-term condition where the kidneys do not work as well as they should. CKD can get worse over time and eventually the kidneys may stop working altogether, but this is uncommon. CKD increases the risk of developing heart and circulatory diseases, including heart attack and stroke.

Congenital heart disease - a heart condition or defect that develops in the womb before a baby is born.

Coronary artery bypass graft (CABG) - an operation to bypass a narrowed section of a coronary artery and improve the blood supply to the heart muscle.

Coronary heart disease (CHD) - the collective term for diseases that occur when the walls of the coronary arteries become narrowed by a gradual build-up of fatty material called atheroma. The two main forms of CHD are heart attack (also known as myocardial infarction) and angina. Also known as ischaemic heart disease (IHD) and coronary artery disease (CAD).

Deprivation - the consequence of a lack of income and other resources, which cumulatively can be seen as living in poverty - see also IMD

Diabetes - a disease characterised by high blood glucose levels in blood. There are two main types: type 1 = caused by body being unable to make the hormone insulin; type 2 = when your body doesn't make enough insulin or can no longer use insulin properly. The resulting chronic high blood glucose levels (hyperglycaemia) are associated with long-term damage, dysfunction and failure of various organs, especially the eyes, kidneys, nerves, heart and blood vessels. Full scientific name is diabetes mellitus.

Diastolic pressure - the amount of pressure in your arteries when your heart relaxes between beats (see blood pressure).

Disability-adjusted life years (DALYs) - the sum of years lost due to premature death (YLLs) and years lived with disability (YLDs). DALYs consider both premature death and health-related suffering (disability) to portray the total years of healthy life lost to a disease or condition. Features in the Global Burden of Disease (GBD), a detailed analysis of international health that models the burden of diseases and their risk factors.

European Standard Population (ESP) - an artificial population structure, which is used in the weighting of mortality or incidence data to produce age-standardised rates. The ESP was updated in 2013 to better reflect the age distribution of Europe.

Heart and circulatory diseases (HCDs) - the collective term for all diseases affecting the heart and blood vessels - also referred to here as cardiovascular disease (CVD).

Heart attack - also referred to as myocardial infarction (MI) - a condition where the heart muscle is starved of oxygen, most commonly caused by a blockage of one or more of the coronary arteries. A heart attack usually causes severe pain in the centre of the chest. The pain usually feels like a heaviness or tightness which may also spread to the arms, neck, jaw, face, back or stomach. There may also be sweating, light-headedness, nausea and/or shortness of breath. Sometimes a heart attack can present with little or no discomfort.

Heart failure - a chronic condition which occurs when the heart is unable to pump blood as efficiently around the body. It occurs because the heart is damaged or overworked. Some people with minor heart failure may have few or no symptoms. People with moderate or severe heart failure often suffer from a number of symptoms, including shortness of breath, general tiredness and swelling of the feet and ankles.

Hospital inpatient episodes - periods of continuous admitted patient care under the same consultant. These figures usually include day cases, i.e. an admission or overnight stay is not required.

Hypertension - a clinical condition of having a high blood pressure. Mostly it is considered blood pressures of 140/90

mmHg and greater to be high although this is influenced by other factors.

Incidence - a measure of morbidity based on the number of new episodes of an illness arising in a population over a defined time period.

Index of multiple deprivation (IMD) - a relative measure of deprivation to classify geographic areas within each UK nation. IMD scores are based on a mix of component indicators (socioeconomic, health and environmental). These scores can then be compared with data from surveys or other analyses - typically split into five (quintiles) or ten (deciles) equal-size groupings from highest to lowest IMD score - to see if differences or inequalities exist.

International Classification of Disease (ICD) - a coding system published by the World Health Organization that provides an internationally recognised method of coding diseases in order to categorise mortality and morbidity statistics. Cardiovascular diseases in ICD-10 are I00-99 but some heart and circulatory conditions (e.g. congenital heart disease, vascular dementia) are coded elsewhere.

Myocardial infarction (MI) - see heart attack.

Out-of-hospital cardiac arrest (OHCA) - a critical medical emergency, where a person becomes unconscious, stops breathing and the heart stops pumping blood around the body. Unless treated immediately, it leads to death within minutes.

Percutaneous coronary intervention (PCI) - a procedure that uses a catheter (a thin flexible tube) to place a stent to open coronary arteries in the heart that have been narrowed by atherosclerosis. Previously known as angioplasty with stent.

Peripheral arterial disease (PAD) - a condition in which a build-up of fatty deposits in the arteries restricts the blood supply to parts of the body, most commonly the legs. Also known as peripheral vascular disease (PVD).

Prevalence - a measure of morbidity based on the current level of a disease in the population at any particular time.

Renal failure - see chronic kidney disease.

Stroke - the consequence of an interruption to the flow of blood to the brain. A stroke can vary in severity from a passing weakness or tingling of a limb to a profound paralysis, coma and/or death.

Systolic pressure - the pressure against your arteries when your heart is pumping blood around your body

Transient ischaemic attacks (TIA) - a temporary disruption in the blood supply to part of the brain. Sometimes called a mini-stroke. The effects are usually fully resolved within 24 hours.

Vascular dementia - a type of dementia caused by a reduced blood supply to an area of the brain. The cells in the affected area of the brain don't get enough oxygen or nutrients and start to die. This leads to symptoms such as concentration problems and personality changes.

Years of life lost (YLLs) - the number of years of life that are lost due to premature mortality. Features in the Global Burden of Disease (GBD), a detailed analysis of international health that models the burden of diseases and their risk factors.

ABOUT BRITISH HEART FOUNDATION

Far too many of us have felt the pain of losing someone we love to cardiovascular disease, the world's biggest killer. With your support, British Heart Foundation (BHF) powers groundbreaking research to save and improve lives.

Since 1961, your support has helped us fund scientific breakthroughs that are keeping more families together today, from pacemaker technology and portable defibrillators to proving that statins can help save lives. And with your support, our ambitions for the years to come are even bolder.

Every three minutes someone loses their life to cardiovascular disease in the UK. We're dedicated to powering advances in cardiovascular science and healthcare that will bring us closer to the day that everyone has a healthier heart for longer. But we can't do it without your support. Together, the next breakthroughs in diagnosing, treating, and preventing cardiovascular disease are in reach.

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Heart and Circulatory Disease Statistics 2025 - Chapter 1 - Mortality

This chapter presents heart and circulatory diseases (CVD) in the context of mortality: local, regional and seasonal differences and trends over time in CVD, coronary heart disease (CHD) and stroke (CBVD).

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Table 1.1 Deaths by cause, by sex and age, United Kingdom 2023

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		All ages	Under 35	35-44	45-54	55-64	65-74	75-84	85+
All causes	MEN	335,673	7,570	7,361	15,492	33,656	60,898	104,961	105,735
	WOMEN	326,389	4,147	4,454	9,862	22,792	43,685	90,874	150,575
	Total	662,062	11,717	11,815	25,354	56,448	104,583	195,835	256,310
All heart and circulatory diseases (I00-I99, C38.0, F01, G45, P29, Q20-Q28)	MEN	93,354	691	1,285	4,074	9,820	17,265	29,563	30,656
	WOMEN	81,339	346	575	1,595	4,099	8,947	22,507	43,270
	Total	174,693	1,037	1,860	5,669	13,919	26,212	52,070	73,926
Diseases of the circulatory system (I00-I99)	MEN	87,438	538	1,249	4,044	9,745	16,892	27,562	27,408
	WOMEN	72,769	253	556	1,571	4,040	8,671	20,483	37,195
	Total	160,207	791	1,805	5,615	13,785	25,563	48,045	64,603
Chronic rheumatic heart diseases (I05-I09)	MEN	407	3	4	15	43	66	151	125
	WOMEN	715	-	8	19	44	97	247	300
	Total	1,122	3	12	34	87	163	398	425
Hypertensive diseases (I10-I15)	MEN	4,226	11	52	187	447	726	1,160	1,643
	WOMEN	5,361	4	16	56	235	432	1,163	3,455
	Total	9,587	15	68	243	682	1,158	2,323	5,098
Coronary heart disease (I20-I25)	MEN	43,738	112	570	2,297	6,134	10,004	13,944	10,677
	WOMEN	22,699	28	160	570	1,773	3,671	6,984	9,513
	Total	66,437	140	730	2,867	7,907	13,675	20,928	20,190
Myocardial infarction (I21-I22)	MEN	15,493	51	245	903	2,310	3,641	5,098	3,245
	WOMEN	8,603	17	68	216	689	1,503	2,899	3,211
	Total	24,096	68	313	1,119	2,999	5,144	7,997	6,456
Other heart diseases (I26-I52)	MEN	17,622	240	298	700	1,278	2,384	5,038	7,684
	WOMEN	19,605	124	162	363	727	1,579	4,646	12,004
	Total	37,227	364	460	1,063	2,005	3,963	9,684	19,688
Stroke (cerebrovascular disease; CBVD) (I60-I69)	MEN	15,359	92	195	531	1,147	2,486	5,155	5,753
	WOMEN	18,782	62	130	393	879	1,966	5,562	9,790
	Total	34,141	154	325	924	2,026	4,452	10,717	15,543
Diseases of arteries, arterioles and capillaries (I70-I79)	MEN	4,772	34	60	166	401	915	1,809	1,387
	WOMEN	4,144	9	26	65	203	611	1,436	1,794
	Total	8,916	43	86	231	604	1,526	3,245	3,181
Diseases of veins, lymphatic vessels and lymph nodes* (I80-I89)	MEN	1,298	46	70	148	294	309	300	131
	WOMEN	1,447	26	54	105	179	313	442	328
	Total	2,745	72	124	253	473	622	742	459
Malignant neoplasm: Heart (C38.0)	MEN	8	1	2	2	-	1	2	-
	WOMEN	9	2	1	-	1	2	1	2
	Total	17	3	3	2	1	3	3	2
Vascular dementia (F01)	MEN	5,585	-	-	-	32	351	1,975	3,227
	WOMEN	8,304	-	-	1	23	248	1,997	6,035
	Total	13,889	-	-	1	55	599	3,972	9,262
Transient cerebral ischaemic attacks and related syndromes (G45)	MEN	13	-	-	-	1	-	1	11
	WOMEN	20	-	-	-	-	1	-	19
	Total	33	-	-	-	1	1	1	30
Cardiovascular disorders originating in the perinatal period (P29)	MEN	4	4	-	-	-	-	-	-
	WOMEN	2	2	-	-	-	-	-	-
	Total	6	6	-	-	-	-	-	-
Congenital malformations of the circulatory system # (Q20-Q28)	MEN	306	148	34	28	42	21	23	10
	WOMEN	235	89	18	23	35	25	26	19
	Total	541	237	52	51	77	46	49	29
Cancer (C00-D48)	MEN	93,024	570	1,097	3,601	11,318	22,917	32,900	20,621
	WOMEN	81,502	610	1,473	3,879	10,304	18,350	27,082	19,804
	Total	174,526	1,180	2,570	7,480	21,622	41,267	59,982	40,425
Lung cancer (C33,C34)	MEN	16,903	7	111	613	2,334	4,886	6,327	2,625
	WOMEN	15,787	14	84	453	1,995	4,670	5,885	2,686
	Total	32,690	21	195	1,066	4,329	9,556	12,212	5,311
Breast cancer (C50)	MEN	97	1	-	4	11	22	31	28
	WOMEN	11,228	88	414	1,074	1,893	2,058	2,983	2,718
	Total	11,325	89	414	1,078	1,904	2,080	3,014	2,746
Respiratory disease (excl COVID-19) (J00-J99)	MEN	40,436	196	278	924	2,758	7,071	13,933	15,276
	WOMEN	39,808	125	193	572	2,290	5,841	12,462	18,325
	Total	80,244	321	471	1,496	5,048	12,912	26,395	33,601
Lower respiratory disease (J40 - J47)	MEN	17,977	39	73	434	1,507	4,139	6,995	4,790
	WOMEN	18,607	23	57	262	1,450	3,992	7,240	5,583
	Total	36,584	62	130	696	2,957	8,131	14,235	10,373
[other] Diabetes (E10-E14)	MEN	5,225	70	120	259	579	945	1,533	1,719
	WOMEN	4,467	49	65	127	305	576	1,124	2,221
	Total	9,692	119	185	386	884	1,521	2,657	3,940
[other] Unspecified dementia/Alzheimer's (F03, G30)	MEN	21,340	-	1	5	136	1,129	7,024	13,045
	WOMEN	40,164	-	2	8	186	1,344	9,841	28,783
	Total	61,504	-	3	13	322	2,473	16,865	41,828
[other] COVID-19 (coronavirus) (U07)	MEN	7,337	26	34	101	362	941	2,508	3,365
	WOMEN	6,176	30	32	104	253	688	1,718	3,351
	Total	13,535	74	66	207	617	1,629	4,226	6,716

Notes: ICD-10 codes in parentheses. *Not classified elsewhere
This table compiles data from the four countries of the UK. England and Wales data from Nomis includes non-resident mortality.
these tables exclude deaths before 28 days, so neonatal deaths from congenital heart anomalies are excluded here

Citation: BHF (2025) Analysis of official UK mortality data

Sources: England and Wales, Office for National Statistics (2024) Deaths registered by cause, sex and age. [Accessed March 2025]
www.nomisweb.co.uk/datasets/mortsa
Scotland, National Records of Scotland (2024) Deaths, by sex, age and cause. [Accessed March 2025]
<https://www.nrscotland.gov.uk/publications/vital-events-reference-tables-2023/>
Northern Ireland, Statistics and Research Agency (2024) Deaths by sex, age and cause. [Accessed March 2025]
<https://www.nisra.gov.uk/publications/registrars-general-annual-report-2023-cause-death>
For deaths due to C38.0 in Scotland and Northern Ireland, data was sourced via personal correspondence.

Table 1.2 Deaths by cause, by sex and age, England, Wales, Scotland and Northern Ireland 2023

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		All ages				Under 75			
		England	Wales	Scotland	Northern Ireland	England	Wales	Scotland	Northern Ireland
All causes	MEN	276,252	18,415	31,686	8,571	100,922	6,930	13,320	3,313
	WOMEN	267,802	17,639	31,759	8,683	67,936	4,736	9,537	2,426
	Total	544,054	36,054	63,445	17,254	168,858	11,666	22,857	5,739
All heart and circulatory diseases (I00-I99, C38.0, F01, G45, P29, Q20-Q28)		76,309	5,301	9,227	2,183	26,679	1,976	3,505	746
	WOMEN	66,151	4,400	8,560	2,044	12,317	942	1,808	387
	Total	142,460	9,701	17,787	4,227	38,996	2,918	5,313	1,133
Diseases of the circulatory system (I00-I99)	MEN	71,633	4,953	8,471	2,053	26,155	1,938	3,425	726
	WOMEN	59,431	3,967	7,347	1,849	11,963	917	1,736	373
	Total	131,064	8,920	15,818	3,902	38,118	2,855	5,161	1,099
Chronic rheumatic heart diseases (I05-I09)	MEN	341	15	33	17	109	1	14	6
	WOMEN	580	40	61	32	133	13	13	9
	Total	921	55	94	49	242	14	27	15
Hypertensive diseases (I10-I15)	MEN	3,575	179	330	137	1,177	65	123	54
	WOMEN	4,559	199	446	152	586	36	88	30
	Total	8,134	378	776	289	1,763	101	211	84
Coronary heart disease (I20-I25)	MEN	35,667	2,499	4,387	975	15,358	1,161	2,060	392
	WOMEN	18,201	1,240	2,606	574	4,842	383	783	146
	Total	53,868	3,739	6,993	1,549	20,200	1,544	2,843	538
Myocardial infarction (I21-I22)	MEN	11,366	789	2,750	476	5,269	412	1,198	188
	WOMEN	6,122	440	1,701	304	1,750	148	496	77
	Total	17,488	1,229	4,451	780	7,019	560	1,694	265
Other heart diseases (I26-I52)	MEN	14,618	1,066	1,482	407	3,975	317	473	105
	WOMEN	16,356	1,101	1,623	500	2,397	170	313	64
	Total	30,974	2,167	3,105	907	6,372	487	786	169
Stroke (cerebrovascular disease; CBVD) (I60-I69)	MEN	12,458	801	1,678	383	3,566	233	515	113
	WOMEN	15,143	1,003	2,121	470	2,720	191	407	85
	Total	27,601	1,804	3,799	853	6,286	424	922	198
Diseases of arteries, arterioles and capillaries (I70-I79)	MEN	3,886	293	464	112	1,268	97	160	39
	WOMEN	3,359	262	408	102	729	65	86	26
	Total	7,245	555	872	214	1,997	162	246	65
Diseases of veins, lymphatic vessels and lymph nodes* (I80-I89)	MEN	1,077	98	94	22	701	63	79	17
	WOMEN	1,220	121	80	19	554	59	46	13
	Total	2,297	219	174	41	1,255	122	125	30
Malignant neoplasm: Heart (C38.0)	MEN	8	0	0	0	6	0	0	0
	WOMEN	8	1	0	0	6	0	0	0
	Total	16	1	0	0	12	0	0	0
Vascular dementia (F01)	MEN	4409	333	721	121	298	26	48	11
	WOMEN	6502	424	1186	189	194	18	51	9
	Total	10911	757	1907	310	492	44	99	20
Transient cerebral ischaemic attacks and related syndromes (G45)	MEN	11	0	2	0	1	0	0	0
	WOMEN	13	2	5	0	0	1	0	0
	Total	24	2	7	0	1	1	0	0
Cardiovascular disorders originating in the perinatal period (P29)	MEN	3	0	0	1	3	0	0	1
	WOMEN	1	0	1	0	1	0	1	0
	Total	4	0	1	1	4	0	1	1
Congenital malformations of the circulatory system (Q20-Q28)	MEN	245	15	33	8	216	12	32	8
	WOMEN	196	6	21	6	153	6	20	5
	Total	441	21	54	14	369	18	52	13
All cancer (C00-D48)	MEN	76,617	5,026	8,784	2,434	32,297	2,114	3,865	1,116
	WOMEN	66,431	4,344	8,230	2,330	28,107	1,836	3,569	994
	Total	143,048	9,370	17,014	4,764	60,404	3,950	7,434	2,110
Lung cancer (C33,C34)	MEN	13,530	948	1,851	542	6,314	442	897	275
	WOMEN	12,522	868	1,927	447	5,685	402	895	219
	Total	26,052	1,816	3,778	989	11,999	844	1,792	494
Breast cancer (C50)	MEN	81	1	11	4	29	1	6	2
	WOMEN	9,347	544	994	321	4,610	260	484	157
	Total	9,428	545	1,005	325	4,639	261	490	159
Respiratory disease (excl COVID-19) (J00-J99)	MEN	33,817	2,289	3,247	1,030	9,239	624	1,074	271
	WOMEN	32,707	2,331	3,706	1,026	7,245	515	999	248
	Total	66,524	4,620	6,953	2,056	16,484	1,139	2,073	519
Lower respiratory disease (J40 - J47)	MEN	14,873	1,019	1,573	496	5,095	328	616	144
	WOMEN	15,076	1,113	1,915	494	4,580	354	683	162
	Total	29,949	2,132	3,488	990	9,675	682	1,299	306
[other] Diabetes (E10-E14)	MEN	4,095	270	685	169	1,481	108	328	51
	WOMEN	3,535	226	561	140	820	65	196	36
	Total	7,630	496	1,246	309	2,301	173	524	87
[other] Unspecified dementia/Alzheimer's (F03, G30)	MEN	18,160	1,082	1,517	572	1,062	69	108	32
	WOMEN	33,985	1,957	3,067	1,144	1,268	88	138	46
	Total	52,145	3,039	4,584	1,716	2,330	157	246	78
[other] COVID-19 (coronavirus) (U07/U07.1*)	MEN	5,998	436	700	186	1,172	87	157	40
	WOMEN	5,017	367	642	144	854	72	157	21
	Total	11,015	803	1,342	330	2,026	159	314	61

Notes: ICD-10 codes in parentheses. *Not classified elsewhere
This table compiles data from the four countries of the UK. Excludes non-resident mortality (included in Table 1.1 UK totals)
these tables exclude deaths before 28 days, so neonatal deaths from congenital heart anomalies are excluded here
* In England and Wales, U07.1 is now used for Covid-19 deaths, whereas in Scotland and Northern Ireland U07 is still used.

Citation: BHF (2025) Analysis of official UK mortality data

Sources: England and Wales, Office for National Statistics (2024) Deaths registered by cause, sex and age. [Accessed March 2025]
www.nomisweb.co.uk/datasets/mortsa
Scotland, National Records of Scotland (2024) Deaths, by sex, age and cause. [Accessed March 2025]
<https://www.nrscotland.gov.uk/publications/vital-events-reference-tables-2023/>
Northern Ireland, Statistics and Research Agency (2024) Deaths by sex, age and cause. [Accessed March 2025]
<https://www.nisra.gov.uk/publications/registrars-general-annual-report-2023-cause-death>
For deaths due to C38.0 in Scotland and Northern Ireland, data was sourced via personal correspondence.

Table 1.3 Age-standardised death rates per 100,000 from all heart and circulatory diseases (CVD), all ages, United Kingdom and England, Wales, Scotland, Northern Ireland, 2001 to 2023

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Year	United Kingdom			England			Wales			Scotland			Northern Ireland		
	Men	Women	Both	Men	Women	Both	Men	Women	Both	Men	Women	Both	Men	Women	Both
2001	627	419	507	616	408	496	669	456	547	709	493	584	663	450	538
2002	611	411	496	601	400	484	641	447	532	699	494	580	635	439	520
2003	590	403	482	576	393	472	648	431	522	699	475	567	594	409	486
2004	544	370	445	533	360	434	557	397	467	649	449	532	563	386	461
2005	515	351	422	504	341	411	554	383	458	606	426	503	535	354	429
2006	483	328	395	473	319	386	507	351	420	562	398	467	494	347	410
2007	464	317	381	451	308	370	492	347	412	565	384	460	500	329	398
2008	450	311	372	440	303	363	482	332	397	525	377	442	479	320	384
2009	420	289	346	411	281	338	443	313	372	491	353	413	437	300	358
2010	409	278	336	399	271	328	440	301	362	483	333	397	431	285	346
2011	373	253	305	363	245	297	403	270	328	452	319	377	389	257	315
2012	367	256	305	358	248	296	406	273	330	436	321	373	373	261	311
2013	363	248	299	354	241	291	405	266	327	431	306	361	362	249	298
2014	348	235	285	340	229	278	372	251	305	413	290	344	343	229	277
2015	352	242	291	344	235	283	374	261	313	432	308	364	342	230	278
2016	337	229	277	329	222	270	364	247	300	412	289	343	319	219	263
2017	334	226	275	325	220	267	356	234	291	409	291	344	335	218	269
2018	328	220	269	320	213	261	359	236	293	403	281	335	313	209	254
2019	315	210	258	307	203	250	342	227	280	388	277	327	311	204	251
2020	322	214	263	314	206	255	341	232	282	400	277	333	308	207	252
2021	318	209	259	310	202	251	351	230	285	395	277	331	297	201	244
2022	326	212	264	319	205	257	351	225	282	396	282	334	297	200	243
2023	322	208	260	315	201	253	354	222	282	388	269	324	299	203	246

Notes: ICD-10 codes I00-I99, C38.0, F01, G45, P29, Q20-Q28 (heart and circulatory diseases - cardiovascular disease - CVD). Directly age-standardised using the 2013 European Standard Population.
Historical data for the UK and across nations may vary from previous publications due to the rebasing of mid-year population estimates, changes to death classifications, and updating the European Standard Population weightings for earlier date.
England rates are based on deaths and population data from Nomis and Office of National Statistics. Values may differ from those available in analyses from Office for Health Improvement and Disparities.

Citation: BHF (2025) Analysis of official UK mortality data

Source: England & Wales - BHF analysis of Office for National Statistics (ONS) & Nomis mortality data; personal communication
Scotland - BHF analysis of National Records of Scotland (NRS) mortality data; personal communication
Northern Ireland - BHF analysis of Northern Ireland, Statistics and Research Agency (NISRA) mortality data; personal communication

Table 1.4 Age-standardised death rates per 100,000 from all heart and circulatory diseases (CVD), under 75, United Kingdom and England, Wales, Scotland, Northern Ireland, 2001 to 2023

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Year	United Kingdom			England			Wales			Scotland			Northern Ireland		
	Men	Women	Both	Men	Women	Both	Men	Women	Both	Men	Women	Both	Men	Women	Both
2001	221	104	159	214	100	155	242	117	176	266	130	194	222	107	161
2002	210	99	152	203	94	147	231	110	168	255	127	186	221	105	159
2003	199	93	144	193	90	139	220	103	159	247	119	179	201	88	141
2004	183	84	132	178	81	127	190	96	141	225	109	163	193	90	139
2005	171	79	123	166	76	119	188	88	136	214	102	155	173	82	125
2006	159	74	115	155	71	112	172	79	124	195	97	144	162	81	120
2007	152	69	109	146	66	105	160	78	118	198	92	142	156	71	112
2008	143	66	103	138	63	100	151	73	111	184	86	132	144	72	106
2009	134	60	96	130	57	93	146	70	107	164	80	120	136	68	100
2010	131	58	93	127	56	90	136	64	99	162	75	116	140	64	101
2011	120	53	85	115	50	82	130	63	96	151	71	109	127	52	88
2012	114	53	82	110	51	79	124	60	91	146	70	107	117	46	80
2013	113	51	81	109	49	78	127	57	91	143	68	104	111	50	80
2014	109	49	78	106	47	76	118	55	86	133	62	96	103	48	75
2015	109	50	79	105	48	76	126	60	92	139	65	100	104	51	77
2016	107	49	77	104	47	75	121	57	88	134	65	98	100	49	74
2017	106	47	76	102	45	73	124	52	87	133	64	97	103	47	74
2018	106	47	76	103	46	74	121	56	88	128	60	93	96	45	70
2019	102	46	73	99	44	71	120	54	86	124	61	91	96	45	70
2020	111	48	79	107	46	76	126	60	92	138	63	99	104	46	74
2021	113	50	80	110	47	78	131	61	95	140	66	102	93	45	69
2022	115	51	82	112	49	79	125	59	91	138	69	102	95	45	70
2023	115	51	82	112	49	79	137	61	98	139	67	101	93	46	69

Notes: ICD-10 codes I00-I99, C38.0, F01, G45, P29, Q20-Q28 (heart and circulatory diseases - cardiovascular disease - CVD). Directly age-standardised using the 2013 European Standard Population.
Historical data for the UK and across nations may vary from previous publications due to the rebasing of mid-year population estimates, changes to death classifications, and updating the European Standard Population weightings for earlier date.
England rates are based on deaths and population data from Nomis and Office of National Statistics. Values may differ from those available in analyses from Office for Health Improvement and Disparities.

Citation: BHF (2025) Analysis of official UK mortality data

Source: England & Wales - BHF analysis of Office for National Statistics (ONS) & Nomis mortality data; personal communication
Scotland - BHF analysis of National Records of Scotland (NRS) mortality data; personal communication
Northern Ireland - BHF analysis of Northern Ireland, Statistics and Research Agency (NISRA) mortality data; personal communication

Table 1.5 Age-standardised death rates per 100,000 from coronary heart disease (CHD), all ages, United Kingdom and England, Wales, Scotland, Northern Ireland, 2001 to 2023

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Year	United Kingdom			England			Wales			Scotland			Northern Ireland		
	Men	Women	Both	Men	Women	Both	Men	Women	Both	Men	Women	Both	Men	Women	Both
2001	348	181	251	340	175	244	378	201	275	399	224	295	387	211	282
2002	335	175	241	328	169	235	360	195	265	389	217	287	349	197	259
2003	321	169	233	312	164	226	357	187	257	388	207	280	340	184	248
2004	297	155	214	289	149	208	312	172	231	359	195	262	323	174	237
2005	280	145	202	271	139	195	315	164	227	337	183	247	320	164	227
2006	257	134	186	251	128	180	275	148	203	303	170	225	284	157	210
2007	246	126	177	238	122	171	265	143	197	305	155	217	283	145	201
2008	233	121	169	227	116	163	260	131	186	275	151	204	269	138	191
2009	217	109	155	211	105	150	234	122	171	258	138	188	247	132	180
2010	209	103	148	203	99	143	227	115	163	252	130	181	241	121	170
2011	189	92	134	183	88	129	210	102	148	229	120	166	213	97	146
2012	183	90	130	178	87	126	206	98	144	219	116	160	202	100	143
2013	180	87	127	175	84	123	204	97	144	209	109	152	188	96	136
2014	168	79	118	164	76	115	182	85	127	197	100	141	178	84	123
2015	167	79	117	163	75	113	184	89	131	202	102	146	173	87	123
2016	156	72	109	152	69	106	177	80	123	184	95	134	153	71	106
2017	155	70	108	151	68	105	171	78	120	185	90	132	159	71	110
2018	150	65	103	146	63	100	170	73	116	180	87	128	142	61	96
2019	144	63	99	140	61	96	162	70	111	176	84	124	144	65	100
2020	146	62	100	143	60	97	157	69	109	181	82	126	143	66	99
2021	148	62	101	144	59	97	170	75	117	183	87	130	134	60	93
2022	151	63	102	147	60	99	173	68	115	181	88	129	136	60	93
2023	146	59	98	143	57	95	161	64	108	178	82	125	130	57	89

Notes: ICD-10 codes I20-I25 (ischaemic heart disease - coronary heart disease - CHD). Directly age-standardised using the 2013 European Standard Population.
Historical data for the UK and across nations may vary from previous publications due to the rebasing of mid-year population estimates, changes to death classifications, and updating the European Standard Population weightings for earlier date.
England rates are based on deaths and population data from Nomis and Office of National Statistics. Values may differ from those available in analyses from Office for Health Improvement and Disparities.

Citation: BHF (2025) Analysis of official UK mortality data

Source: England & Wales - BHF analysis of Office for National Statistics (ONS) & Nomis mortality data; personal communication
Scotland - BHF analysis of National Records of Scotland (NRS) mortality data; personal communication
Northern Ireland - BHF analysis of Northern Ireland, Statistics and Research Agency (NISRA) mortality data; personal communication

Table 1.6 Age-standardised death rates per 100,000 from coronary heart disease (CHD), under 75, United Kingdom and England, Wales, Scotland, Northern Ireland, 2001 to 2023

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Year	United Kingdom			England			Wales			Scotland			Northern Ireland		
	Men	Women	Both	Men	Women	Both	Men	Women	Both	Men	Women	Both	Men	Women	Both
2001	144	52	96	139	50	93	163	60	109	175	69	119	153	60	103
2002	135	49	90	130	46	86	153	55	102	165	67	113	146	55	98
2003	127	45	84	123	42	81	140	50	93	164	62	109	131	45	85
2004	116	40	77	112	38	74	121	48	83	148	56	99	130	45	85
2005	109	37	71	104	35	68	121	42	80	142	53	95	117	43	78
2006	99	34	66	96	32	63	109	37	71	125	50	86	110	41	74
2007	94	31	62	90	29	59	99	35	66	128	46	85	107	35	70
2008	88	30	58	85	28	56	93	32	62	116	42	77	94	33	62
2009	82	26	53	79	24	51	91	30	60	103	38	69	89	33	60
2010	78	25	51	75	23	49	83	27	54	101	36	67	89	29	58
2011	72	22	47	69	21	45	78	26	51	93	31	61	82	24	52
2012	68	22	45	65	21	42	75	28	51	92	31	60	75	23	48
2013	68	21	44	65	20	42	79	25	51	87	29	57	71	22	46
2014	64	20	41	62	19	40	67	23	44	80	27	52	63	22	42
2015	64	20	42	61	19	40	77	25	50	83	27	54	67	22	44
2016	62	20	40	60	18	39	73	24	48	78	28	52	57	20	38
2017	62	19	40	59	18	38	73	21	46	79	27	52	62	19	40
2018	62	18	39	60	18	38	72	23	47	75	25	49	56	18	36
2019	59	18	38	57	17	37	71	22	46	74	26	49	56	19	37
2020	64	19	41	62	18	39	72	23	47	80	25	51	60	17	38
2021	66	20	42	64	19	41	81	27	53	83	28	54	53	17	35
2022	67	21	43	65	20	42	76	24	49	80	31	54	54	19	36
2023	66	20	42	64	19	41	80	25	52	81	29	54	49	17	33

Notes: ICD-10 codes I20-I25 (ischaemic heart disease - coronary heart disease - CHD). Directly age-standardised using the 2013 European Standard Population.
Historical data for the UK and across nations may vary from previous publications due to the rebasing of mid-year population estimates, changes to death classifications, and updating the European Standard Population weightings for earlier date.
England rates are based on deaths and population data from Nomis and Office of National Statistics. Values may differ from those available in analyses from Office for Health Improvement and Disparities.

Citation: BHF (2025) Analysis of official UK mortality data

Source: England & Wales - BHF analysis of Office for National Statistics (ONS) & Nomis mortality data; personal communication
Scotland - BHF analysis of National Records of Scotland (NRS) mortality data; personal communication
Northern Ireland - BHF analysis of Northern Ireland, Statistics and Research Agency (NISRA) mortality data; personal communication

Table 1.7 Age-standardised death rates per 100,000 from stroke (CBVD), all ages, United Kingdom and England, Wales, Scotland, Northern Ireland, 2001 to 2023

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Year	United Kingdom			England			Wales			Scotland			Northern Ireland		
	Men	Women	Both	Men	Women	Both	Men	Women	Both	Men	Women	Both	Men	Women	Both
2001	147	135	141	144	132	138	152	143	148	179	165	172	151	140	146
2002	148	135	141	145	131	138	148	145	148	176	169	173	147	142	145
2003	142	132	137	138	129	134	156	137	145	175	161	168	146	135	140
2004	128	120	125	125	117	121	124	127	128	165	151	158	136	124	129
2005	120	114	117	117	111	114	122	115	120	147	142	146	117	110	114
2006	114	106	110	111	103	107	122	109	114	138	130	135	117	109	114
2007	107	102	105	104	99	102	113	105	110	136	125	131	116	109	112
2008	105	100	103	102	97	100	106	108	109	131	125	129	114	107	109
2009	96	92	95	94	89	92	100	101	102	117	116	117	95	94	96
2010	94	89	92	91	87	90	101	95	98	115	105	110	100	93	97
2011	78	73	76	75	70	73	77	75	77	104	101	104	82	83	84
2012	74	72	74	72	69	71	80	74	77	96	98	99	77	81	81
2013	72	68	71	69	65	67	82	71	76	99	94	97	82	76	79
2014	70	64	67	68	62	65	79	72	75	88	86	87	76	66	71
2015	70	65	68	68	63	66	69	71	70	92	88	90	76	64	69
2016	66	60	63	63	57	60	67	66	67	88	82	85	74	63	67
2017	62	57	60	60	55	58	61	59	61	81	77	79	71	61	66
2018	60	56	58	58	53	56	67	61	65	79	73	77	65	58	61
2019	57	52	54	55	49	52	60	57	58	70	73	73	58	50	54
2020	56	51	54	54	49	52	59	57	59	78	73	76	56	50	53
2021	55	49	52	52	47	50	61	51	56	75	70	73	56	47	51
2022	54	49	51	52	47	49	53	48	50	72	71	72	55	46	50
2023	54	48	51	52	46	49	54	50	52	73	67	70	54	47	50

Notes: ICD-10 codes I60-I69 (stroke - cerebrovascular disease - CBVD). Directly age-standardised using the 2013 European Standard Population.
Historical data for the UK and across nations may vary from previous publications due to the rebasing of mid-year population estimates, changes to death classifications, and updating the European Standard Population weightings for earlier date.
England rates are based on deaths and population data from Nomis and Office of National Statistics. Values may differ from those available in analyses from Office for Health Improvement and Disparities.

Citation: BHF (2025) Analysis of official UK mortality data

Source: England & Wales - BHF analysis of Office for National Statistics (ONS) & Nomis mortality data; personal communication
Scotland - BHF analysis of National Records of Scotland (NRS) mortality data; personal communication
Northern Ireland - BHF analysis of Northern Ireland, Statistics and Research Agency (NISRA) mortality data; personal communication

Table 1.8 Age-standardised death rates per 100,000 from stroke (CBVD), under 75, United Kingdom and England, Wales, Scotland, Northern Ireland, 2001 to 2023

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Year	United Kingdom			England			Wales			Scotland			Northern Ireland		
	Men	Women	Both	Men	Women	Both	Men	Women	Both	Men	Women	Both	Men	Women	Both
2001	35	26	30	34	25	30	34	27	31	44	34	39	30	25	27
2002	35	25	30	34	24	29	36	29	32	42	33	37	38	27	32
2003	32	24	28	31	23	27	35	27	31	41	31	36	33	21	27
2004	29	22	25	29	21	25	29	24	26	37	28	32	30	24	26
2005	27	20	23	26	20	23	28	22	25	33	26	29	27	18	22
2006	25	19	22	24	18	21	26	20	23	33	24	28	26	19	23
2007	23	18	20	22	17	19	26	20	23	31	22	26	20	20	20
2008	22	16	19	21	15	18	24	19	21	33	23	27	22	19	21
2009	20	15	18	19	14	17	20	17	18	27	21	24	20	15	17
2010	20	15	17	20	14	17	19	17	18	25	18	21	22	18	20
2011	18	13	16	17	13	15	20	16	18	26	18	21	20	14	17
2012	16	13	15	16	13	14	20	14	17	22	18	20	16	11	14
2013	17	12	14	16	12	14	17	13	15	23	18	20	15	14	15
2014	16	12	14	16	12	14	19	13	16	19	16	17	17	11	14
2015	16	12	14	15	12	13	15	14	14	21	16	18	15	13	14
2016	16	12	14	15	12	13	17	14	16	21	16	19	17	14	15
2017	15	11	13	15	11	13	17	12	14	19	14	16	15	12	14
2018	15	12	13	14	11	13	16	12	14	19	14	17	14	13	13
2019	15	11	13	14	10	12	16	13	14	18	15	16	14	9	11
2020	15	11	13	15	11	13	17	12	14	21	15	18	16	11	14
2021	16	11	13	15	11	13	17	11	14	20	15	17	15	11	13
2022	15	11	13	15	11	13	16	12	14	20	15	17	14	11	12
2023	16	11	13	15	11	13	16	12	14	21	15	18	14	10	12

Notes: ICD-10 codes I60-I69 (stroke - cerebrovascular disease - CBVD). Directly age-standardised using the 2013 European Standard Population.
Historical data for the UK and across nations may vary from previous publications due to the rebasing of mid-year population estimates, changes to death classifications, and updating the European Standard Population weightings for earlier date.
England rates are based on deaths and population data from Nomis and Office of National Statistics. Values may differ from those available in analyses from Office for Health Improvement and Disparities.

Citation: BHF (2025) Analysis of official UK mortality data

Source: England & Wales - BHF analysis of Office for National Statistics (ONS) & Nomis mortality data; personal communication
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Table 1.9 Number of deaths from all heart and circulatory diseases (CVD), all ages, United Kingdom and England, Wales, Scotland, Northern Ireland, 2001 to 2023

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Year	United Kingdom			England			Wales			Scotland			Northern Ireland		
	Men	Women	Both	Men	Women	Both	Men	Women	Both	Men	Women	Both	Men	Women	Both
2001	115,191	126,977	242,168	95,182	104,002	199,184	6,580	7,397	13,977	10,645	12,489	23,134	2,784	3,089	5,873
2002	113,454	125,626	239,080	93,744	102,701	196,445	6,415	7,296	13,711	10,595	12,555	23,150	2,700	3,074	5,774
2003	110,685	123,410	234,095	91,046	101,392	192,438	6,468	7,068	13,536	10,593	12,053	22,646	2,578	2,897	5,475
2004	103,831	113,933	217,764	85,587	93,186	178,773	5,719	6,546	12,265	9,989	11,436	21,425	2,536	2,765	5,301
2005	100,243	109,452	209,695	82,369	89,497	171,866	5,792	6,393	12,185	9,642	10,972	20,614	2,440	2,590	5,030
2006	95,631	103,660	199,291	78,872	84,736	163,608	5,403	5,937	11,340	9,038	10,401	19,439	2,318	2,586	4,904
2007	93,822	101,276	195,098	76,791	82,751	159,542	5,401	5,932	11,333	9,280	10,080	19,360	2,350	2,513	4,863
2008	92,113	100,301	192,414	75,714	82,153	157,867	5,283	5,740	11,023	8,815	9,935	18,750	2,301	2,473	4,774
2009	88,394	94,303	182,697	72,838	77,124	149,962	5,032	5,459	10,491	8,366	9,365	17,731	2,158	2,355	4,513
2010	88,232	92,718	180,950	72,517	75,979	148,496	5,043	5,368	10,411	8,454	9,087	17,541	2,218	2,284	4,502
2011	82,501	85,767	168,268	67,542	69,904	137,446	4,747	4,865	9,612	8,147	8,885	17,032	2,065	2,113	4,178
2012	83,020	88,627	171,647	68,054	72,306	140,360	4,855	5,029	9,884	8,081	9,094	17,175	2,030	2,198	4,228
2013	84,299	86,834	171,133	68,891	70,925	139,816	4,967	4,924	9,891	8,147	8,723	16,870	2,019	2,116	4,135
2014	83,260	84,053	167,313	68,314	68,749	137,063	4,685	4,712	9,397	8,008	8,449	16,457	1,971	1,998	3,969
2015	85,912	86,965	172,877	70,256	70,887	141,143	4,815	4,883	9,698	8,519	9,001	17,520	2,019	2,044	4,063
2016	84,408	83,207	167,615	69,090	67,841	136,931	4,753	4,656	9,409	8,342	8,548	16,890	1,946	1,989	3,935
2017	85,423	83,118	168,541	69,715	67,790	137,505	4,804	4,426	9,230	8,499	8,743	17,242	2,111	1,997	4,108
2018	85,897	81,219	167,116	70,168	66,149	136,317	4,907	4,469	9,376	8,516	8,486	17,002	2,005	1,933	3,938
2019	84,742	79,147	163,889	69,115	64,182	133,297	4,768	4,346	9,114	8,451	8,505	16,956	2,070	1,943	4,013
2020	87,789	80,528	168,317	71,704	65,448	137,152	4,881	4,459	9,340	8,928	8,520	17,448	2,099	2,001	4,100
2021	88,415	79,618	168,033	72,100	64,516	136,616	5,062	4,441	9,503	9,018	8,624	17,642	2,069	1,967	4,036
2022	92,713	82,114	174,827	75,943	66,695	142,638	5,156	4,409	9,565	9,214	8,863	18,077	2,102	1,977	4,079
2023	93,354	81,339	174,693	76,309	66,151	142,460	5,301	4,400	9,701	9,227	8,560	17,787	2,183	2,044	4,227

Notes:

ICD-10 codes I00-I99, C38.0, F01, G45, P29, Q20-Q28 (heart and circulatory diseases - cardiovascular disease - CVD).

United Kingdom figures from 2013 onwards are greater than the sum of the figures for England, Wales, Scotland, and Northern Ireland as they include non-residents.

Historical data across the nations and the UK may vary from previous editions, as death classifications have changed over time. Data pre-2001 is provided in previous editions of the Compendium.

The total number of deaths in England have been taken from ONS Nomis Mortality Statistics. Values may differ from those available in analyses from Office for Health Improvement and Disparities.

Citation:

BHF (2025) Analysis of official UK mortality data

Source:

England and Wales pre-2013: Office for National Statistics (ONS) archive and correspondence

2013 onwards: Nomis Mortality Statistics

www.nomisweb.co.uk/datasets/mortsa

Scotland: National Records of Scotland Mortality Statistics; C38.0 data sourced via personal correspondence

www.nrscotland.gov.uk/statistics-and-data/statistics/statistics-by-theme/vital-events

Northern Ireland, Statistics and Research Agency (NISRA): Registrar General Annual Report; archive; C38.0 data sourced via personal correspondence

www.nisra.gov.uk/statistics/registrar-general-annual-report/registrar-general-historical-reports

www.nisra.gov.uk/publications/registrar-general-annual-report-2023-cause-death

Table 1.10 Number of deaths from all heart and circulatory diseases (CVD), under 75, United Kingdom and England, Wales, Scotland, Northern Ireland, 2001 to 2023

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Year	United Kingdom			England			Wales			Scotland			Northern Ireland		
	Men	Women	Both	Men	Women	Both	Men	Women	Both	Men	Women	Both	Men	Women	Both
2001	46,821	24,298	71,119	38,029	19,405	57,434	2,708	1,446	4,154	4,915	2,795	7,710	1,169	652	1,821
2002	45,067	23,202	68,269	36,510	18,450	54,960	2,629	1,364	3,993	4,758	2,745	7,503	1,170	643	1,813
2003	43,305	22,089	65,394	35,002	17,674	52,676	2,537	1,288	3,825	4,676	2,585	7,261	1,090	542	1,632
2004	40,287	20,115	60,402	32,668	15,972	48,640	2,222	1,208	3,430	4,320	2,375	6,695	1,077	560	1,637
2005	38,195	18,969	57,164	30,812	15,093	45,905	2,229	1,113	3,342	4,174	2,248	6,422	980	515	1,495
2006	35,971	17,905	53,876	29,083	14,223	43,306	2,071	1,017	3,088	3,872	2,150	6,022	945	515	1,460
2007	34,787	16,933	51,720	27,891	13,421	41,312	1,976	1,006	2,982	3,984	2,044	6,028	936	462	1,398
2008	33,500	16,379	49,879	26,960	12,990	39,950	1,897	960	2,857	3,763	1,956	5,719	880	473	1,353
2009	31,989	15,274	47,263	25,863	12,045	37,908	1,865	937	2,802	3,414	1,837	5,251	847	455	1,302
2010	31,756	14,916	46,672	25,681	11,888	37,569	1,763	863	2,626	3,415	1,726	5,141	897	439	1,336
2011	29,379	13,683	43,062	23,621	10,822	34,443	1,698	865	2,563	3,236	1,642	4,878	824	354	1,178
2012	28,479	13,939	42,418	22,862	11,114	33,976	1,645	835	2,480	3,194	1,659	4,853	778	331	1,109
2013	29,080	13,758	42,838	23,248	10,871	34,119	1,704	814	2,518	3,167	1,626	4,793	755	364	1,119
2014	28,538	13,475	42,013	22,990	10,723	33,713	1,622	790	2,412	3,001	1,520	4,521	722	356	1,078
2015	29,125	14,112	43,237	23,263	11,167	34,430	1,744	866	2,610	3,168	1,602	4,770	738	380	1,118
2016	29,214	14,158	43,372	23,438	11,204	34,642	1,697	848	2,545	3,151	1,622	4,773	726	381	1,107
2017	29,485	14,001	43,486	23,568	11,124	34,692	1,772	786	2,558	3,186	1,629	4,815	768	366	1,134
2018	30,025	14,236	44,261	24,238	11,343	35,581	1,750	857	2,607	3,107	1,568	4,675	724	361	1,085
2019	29,332	13,920	43,252	23,547	11,036	34,583	1,746	820	2,566	3,063	1,605	4,668	735	359	1,094
2020	31,861	14,764	46,625	25,642	11,711	37,353	1,837	925	2,762	3,446	1,702	5,148	803	374	1,177
2021	32,686	15,273	47,959	26,371	12,110	38,481	1,915	949	2,864	3,542	1,805	5,347	742	372	1,114
2022	33,031	15,606	48,637	26,776	12,336	39,112	1,819	915	2,734	3,474	1,880	5,354	758	373	1,131
2023	33,135	15,562	48,697	26,679	12,317	38,996	1,976	942	2,918	3,505	1,808	5,313	746	387	1,133

Notes:

ICD-10 codes I00-I99, C38.0, F01, G45, P29, Q20-Q28 (heart and circulatory diseases - cardiovascular disease - CVD).

United Kingdom figures from 2013 are greater than the sum of the figures for England, Wales, Scotland, and Northern Ireland as they include non-residents.

Historical data across the nations and the UK may vary from previous editions, as death classifications have changed over time. Data pre-2001 is provided in previous editions of the Compendium.

The total number of deaths in England have been taken from ONS Nomis Mortality Statistics. Values may differ from those available in analyses from Office for Health Improvement and Disparities.

Citation:

BHF (2025) Analysis of official UK mortality data

Source:

England and Wales pre-2013: Office for National Statistics (ONS) archive and 2024 correspondence

2013 onwards: Nomis Mortality Statistics

www.nomisweb.co.uk/datasets/mortsa

Scotland: National Records of Scotland Mortality Statistics; C38.0 data sourced via personal correspondence

www.nrscotland.gov.uk/statistics-and-data/statistics/statistics-by-theme/vital-events

Northern Ireland, Statistics and Research Agency (NISRA): Registrar General Annual Report; archive; C38.0 data sourced via personal correspondence

www.nisra.gov.uk/statistics/registrar-general-annual-report/registrar-general-historical-reports

www.nisra.gov.uk/publications/registrar-general-annual-report-2023-cause-death

Table 1.11 Number of deaths from coronary heart disease (CHD), all ages, United Kingdom and England, Wales, Scotland, Northern Ireland, 2001 to 2023

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Year	United Kingdom			England			Wales			Scotland			Northern Ireland		
	Men	Women	Both	Men	Women	Both	Men	Women	Both	Men	Women	Both	Men	Women	Both
2001	66,400	54,491	120,891	54,566	44,144	98,710	3,882	3,236	7,118	6,258	5,656	11,914	1,693	1,455	3,148
2002	64,473	53,003	117,476	52,938	42,960	95,898	3,776	3,162	6,938	6,190	5,502	11,692	1,569	1,379	2,948
2003	62,399	51,495	113,894	50,986	41,890	92,876	3,681	3,054	6,735	6,199	5,241	11,440	1,533	1,310	2,843
2004	58,565	47,289	105,854	47,914	38,267	86,181	3,313	2,807	6,120	5,814	4,964	10,778	1,524	1,251	2,775
2005	56,135	44,821	100,956	45,628	36,193	81,821	3,375	2,721	6,096	5,629	4,702	10,331	1,503	1,205	2,708
2006	52,594	41,818	94,412	43,086	33,725	76,811	3,020	2,493	5,513	5,099	4,433	9,532	1,389	1,167	2,556
2007	51,386	40,088	91,474	41,731	32,468	74,199	3,002	2,436	5,438	5,260	4,083	9,343	1,393	1,101	2,494
2008	49,473	38,498	87,971	40,339	31,194	71,533	2,931	2,256	5,187	4,852	3,989	8,841	1,351	1,059	2,410
2009	47,149	35,379	82,528	38,531	28,564	67,095	2,744	2,110	4,854	4,600	3,674	8,274	1,274	1,031	2,305
2010	46,430	33,909	80,339	37,873	27,371	65,244	2,687	2,036	4,723	4,599	3,539	8,138	1,271	963	2,234
2011	43,040	30,764	73,804	34,993	24,835	59,828	2,551	1,823	4,374	4,320	3,316	7,636	1,176	790	1,966
2012	42,677	30,796	73,473	34,726	24,899	59,625	2,555	1,777	4,332	4,258	3,283	7,541	1,138	837	1,975
2013	43,057	29,970	73,027	35,036	24,243	59,279	2,588	1,776	4,364	4,155	3,084	7,239	1,105	811	1,916
2014	41,364	27,799	69,163	33,802	22,562	56,364	2,348	1,575	3,923	3,989	2,883	6,872	1,056	726	1,782
2015	41,959	27,826	69,785	34,103	22,390	56,493	2,447	1,638	4,085	4,168	2,974	7,142	1,060	765	1,825
2016	40,297	25,779	66,076	32,856	20,812	53,668	2,382	1,475	3,857	3,917	2,780	6,697	962	640	1,602
2017	40,974	25,367	66,341	33,327	20,525	53,852	2,383	1,438	3,821	4,034	2,693	6,727	1,045	646	1,691
2018	40,395	23,737	64,132	32,862	19,127	51,989	2,399	1,351	3,750	3,994	2,621	6,615	959	563	1,522
2019	39,845	23,392	63,237	32,304	18,837	51,141	2,331	1,317	3,648	4,004	2,556	6,560	1,000	613	1,613
2020	41,116	23,053	64,169	33,512	18,554	52,066	2,310	1,312	3,622	4,202	2,525	6,727	1,009	626	1,635
2021	42,434	23,145	65,579	34,479	18,421	52,900	2,513	1,416	3,929	4,350	2,698	7,048	989	582	1,571
2022	44,103	23,975	68,078	35,963	19,233	55,196	2,597	1,325	3,922	4,369	2,761	7,130	1,004	588	1,592
2023	43,738	22,699	66,437	35,667	18,201	53,868	2,499	1,240	3,739	4,387	2,606	6,993	975	574	1,549

Notes: ICD-10 codes I20-I25 (ischaemic heart disease - coronary heart disease - CHD).
 United Kingdom figures from 2013 are greater than the sum of the figures for England, Wales, Scotland, and Northern Ireland as they include non-residents.
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www.nisra.gov.uk/publications/registrar-general-annual-report-2023-cause-death

Table 1.12 Number of deaths from coronary heart disease (CHD), under 75, United Kingdom and England, Wales, Scotland, Northern Ireland, 2001 to 2023

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Year	United Kingdom			England			Wales			Scotland			Northern Ireland		
	Men	Women	Both	Men	Women	Both	Men	Women	Both	Men	Women	Both	Men	Women	Both
2001	30,524	12,135	42,659	24,668	9,556	34,224	1,823	742	2,565	3,231	1,480	4,711	802	357	1,159
2002	28,918	11,412	40,330	23,308	8,959	32,267	1,743	674	2,417	3,088	1,449	4,537	779	330	1,109
2003	27,656	10,505	38,161	22,228	8,267	30,495	1,616	630	2,246	3,098	1,336	4,434	714	272	986
2004	25,546	9,481	35,027	20,561	7,388	27,949	1,419	601	2,020	2,841	1,214	4,055	725	278	1,003
2005	24,151	8,770	32,921	19,280	6,822	26,102	1,437	527	1,964	2,772	1,157	3,929	662	264	926
2006	22,446	8,191	30,637	18,005	6,364	24,369	1,308	470	1,778	2,491	1,098	3,589	642	259	901
2007	21,620	7,548	29,168	17,186	5,857	23,043	1,216	447	1,663	2,581	1,018	3,599	637	226	863
2008	20,706	7,369	28,075	16,593	5,774	22,367	1,167	420	1,587	2,375	958	3,333	571	217	788
2009	19,500	6,519	26,019	15,632	5,023	20,655	1,166	400	1,566	2,151	876	3,027	551	220	771
2010	19,047	6,329	25,376	15,258	4,938	20,196	1,081	359	1,440	2,142	839	2,981	566	193	759
2011	17,742	5,774	23,516	14,182	4,528	18,710	1,017	357	1,374	2,010	726	2,736	533	163	696
2012	17,148	5,797	22,945	13,638	4,508	18,146	995	388	1,383	2,015	738	2,753	500	163	663
2013	17,510	5,718	23,228	13,885	4,482	18,367	1,063	356	1,419	1,943	687	2,630	489	158	647
2014	16,835	5,483	22,318	13,529	4,298	17,827	923	328	1,251	1,806	666	2,472	447	160	607
2015	17,107	5,699	22,806	13,546	4,463	18,009	1,060	363	1,423	1,902	664	2,566	470	168	638
2016	16,981	5,634	22,615	13,558	4,364	17,922	1,035	357	1,392	1,838	714	2,552	414	156	570
2017	17,267	5,569	22,836	13,749	4,376	18,125	1,042	320	1,362	1,891	689	2,580	459	148	607
2018	17,444	5,523	22,967	14,025	4,336	18,361	1,033	349	1,382	1,841	650	2,491	423	140	563
2019	16,926	5,509	22,435	13,472	4,300	17,772	1,035	332	1,367	1,833	686	2,519	430	151	581
2020	18,334	5,705	24,039	14,757	4,505	19,262	1,056	361	1,417	1,999	678	2,677	460	141	601
2021	19,129	6,172	25,301	15,341	4,829	20,170	1,184	424	1,608	2,102	762	2,864	425	141	566
2022	19,266	6,361	25,627	15,588	4,959	20,547	1,104	370	1,474	2,020	835	2,855	435	154	589
2023	19,117	6,202	25,319	15,358	4,842	20,200	1,161	383	1,544	2,060	783	2,843	392	146	538

Notes:

ICD-10 codes I20-I25 (ischaemic heart disease - coronary heart disease - CHD).

United Kingdom figures from 2013 are greater than the sum of the figures for England, Wales, Scotland, and Northern Ireland as they include non-residents.

Historical data across the nations and the UK may vary from previous editions, as death classifications have changed over time. Data pre-2001 is provided in previous editions of the Compendium.

The total number of deaths in England have been taken from ONS Nomis Mortality Statistics. Values may differ from those available in analyses from Office for Health Improvement and Disparities.

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Northern Ireland, Statistics and Research Agency (NISRA): Registrar General Annual Report; archive

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Table 1.13 Number of deaths from stroke (CBVD), all ages, United Kingdom and England, Wales, Scotland, Northern Ireland, 2001 to 2023

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Year	United Kingdom			England			Wales			Scotland			Northern Ireland		
	Men	Women	Both	Men	Women	Both	Men	Women	Both	Men	Women	Both	Men	Women	Both
2001	25,208	41,518	66,726	20,802	34,042	54,844	1,387	2,343	3,730	2,438	4,183	6,621	581	950	1,531
2002	25,538	41,846	67,384	21,186	34,157	55,343	1,360	2,386	3,746	2,413	4,309	6,722	579	994	1,573
2003	24,930	40,834	65,764	20,485	33,530	54,015	1,457	2,264	3,721	2,409	4,088	6,497	579	952	1,531
2004	22,969	37,485	60,454	18,939	30,618	49,557	1,195	2,112	3,307	2,294	3,861	6,155	541	894	1,435
2005	21,862	35,781	57,643	18,014	29,375	47,389	1,215	1,943	3,158	2,134	3,655	5,789	499	808	1,307
2006	21,264	33,829	55,093	17,491	27,750	45,241	1,202	1,858	3,060	2,060	3,406	5,466	511	815	1,326
2007	20,347	32,825	53,172	16,647	26,879	43,526	1,171	1,817	2,988	2,039	3,294	5,333	490	835	1,325
2008	20,323	32,743	53,066	16,676	26,704	43,380	1,095	1,895	2,990	2,051	3,316	5,367	501	828	1,329
2009	19,133	30,468	49,601	15,790	24,868	40,658	1,066	1,796	2,862	1,841	3,065	4,906	436	739	1,175
2010	19,244	30,044	49,288	15,781	24,708	40,489	1,085	1,711	2,796	1,889	2,875	4,764	489	750	1,239
2011	16,468	25,124	41,592	13,416	20,248	33,664	875	1,365	2,240	1,765	2,829	4,594	412	682	1,094
2012	16,153	25,163	41,316	13,144	20,310	33,454	929	1,381	2,310	1,686	2,789	4,475	394	683	1,077
2013	16,256	24,026	40,282	13,060	19,343	32,403	964	1,323	2,287	1,774	2,672	4,446	424	648	1,072
2014	16,222	23,060	39,282	13,208	18,579	31,787	963	1,353	2,316	1,605	2,518	4,123	423	579	1,002
2015	16,560	23,613	40,173	13,525	19,102	32,627	848	1,333	2,181	1,727	2,575	4,302	419	569	988
2016	16,023	21,748	37,771	12,993	17,446	30,439	852	1,257	2,109	1,712	2,430	4,142	434	568	1,002
2017	15,509	21,119	36,628	12,648	17,057	29,705	803	1,123	1,926	1,597	2,330	3,927	424	564	988
2018	15,478	20,568	36,046	12,520	16,612	29,132	901	1,169	2,070	1,621	2,210	3,831	395	532	927
2019	14,988	19,432	34,420	12,253	15,561	27,814	815	1,086	1,901	1,490	2,256	3,746	379	479	858
2020	15,095	19,423	34,518	12,184	15,563	27,747	830	1,102	1,932	1,674	2,253	3,927	375	479	854
2021	14,959	18,755	33,714	12,033	15,110	27,143	862	993	1,855	1,653	2,175	3,828	386	459	845
2022	15,060	18,916	33,976	12,228	15,239	27,467	770	945	1,715	1,635	2,230	3,865	378	458	836
2023	15,359	18,782	34,141	12,458	15,143	27,601	801	1,003	1,804	1,678	2,121	3,799	383	470	853

Notes:

ICD-10 codes I60-I69 (stroke - cerebrovascular disease - CBVD).

United Kingdom figures from 2013 are greater than the sum of the figures for England, Wales, Scotland, and Northern Ireland as they include non-residents.

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www.nisra.gov.uk/statistics/registrar-general-annual-report/registrar-general-historical-reports

www.nisra.gov.uk/publications/registrar-general-annual-report-2023-cause-death

Table 1.14 Number of deaths from stroke (CBVD), under 75, United Kingdom and England, Wales, Scotland, Northern Ireland, 2001 to 2023

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Year	United Kingdom			England			Wales			Scotland			Northern Ireland		
	Men	Women	Both	Men	Women	Both	Men	Women	Both	Men	Women	Both	Men	Women	Both
2001	7,354	6,173	13,527	6,010	4,937	10,947	382	340	722	806	740	1,546	156	156	312
2002	7,318	5,976	13,294	5,944	4,741	10,685	400	356	756	780	709	1,489	194	170	364
2003	6,936	5,770	12,706	5,584	4,624	10,208	403	343	746	772	670	1,442	177	133	310
2004	6,374	5,210	11,584	5,182	4,149	9,331	340	300	640	694	614	1,308	158	147	305
2005	5,869	4,891	10,760	4,761	3,921	8,682	332	278	610	627	580	1,207	149	112	261
2006	5,486	4,506	9,992	4,382	3,606	7,988	310	257	567	645	522	1,167	149	121	270
2007	5,199	4,331	9,530	4,151	3,448	7,599	311	256	567	618	500	1,118	119	127	246
2008	5,132	4,069	9,201	4,039	3,183	7,222	295	248	543	667	511	1,178	131	127	258
2009	4,728	3,815	8,543	3,806	2,996	6,802	246	229	475	553	491	1,044	123	99	222
2010	4,810	3,742	8,552	3,898	2,969	6,867	246	235	481	526	416	942	140	122	262
2011	4,384	3,446	7,830	3,472	2,719	6,191	255	224	479	532	408	940	125	95	220
2012	4,076	3,452	7,528	3,246	2,749	5,995	261	189	450	463	433	896	106	81	187
2013	4,222	3,311	7,533	3,366	2,582	5,948	233	179	412	494	432	926	103	98	201
2014	4,161	3,329	7,490	3,345	2,661	6,006	260	189	449	427	380	807	115	82	197
2015	4,153	3,464	7,617	3,337	2,752	6,089	213	200	413	468	391	859	108	97	205
2016	4,297	3,508	7,805	3,426	2,761	6,187	241	207	448	484	409	893	125	104	229
2017	4,161	3,270	7,431	3,354	2,609	5,963	238	178	416	445	358	803	109	97	206
2018	4,217	3,459	7,676	3,393	2,763	6,156	236	189	425	462	378	840	100	101	201
2019	4,196	3,252	7,448	3,407	2,573	5,980	226	193	419	436	385	821	103	75	178
2020	4,417	3,392	7,809	3,508	2,694	6,202	241	189	430	522	402	924	121	93	214
2021	4,481	3,386	7,867	3,594	2,694	6,288	254	179	433	496	409	905	122	94	216
2022	4,355	3,394	7,749	3,482	2,686	6,168	234	183	417	493	408	901	108	92	200
2023	4,451	3,430	7,881	3,566	2,720	6,286	233	191	424	515	407	922	113	85	198

Notes:

ICD-10 codes I60-I69 (stroke - cerebrovascular disease - CBVD).

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www.nisra.gov.uk/statistics/registrar-general-annual-report/registrar-general-historical-reports

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Table 1.15 Number of deaths and age-standardised death rates for all heart and circulatory diseases (CVD), all ages by region and nation, United Kingdom 2021/23

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	ALL AGES								
	Age-standardised heart and circulatory disease death rates per 100,000 - Annual Average (3-Year)			Total number of heart and circulatory disease deaths 2021/23			Average number of annual heart and circulatory disease deaths for 2021/23		
	Men	Women	Total	Men	Women	Total	Men	Women	Total
East Midlands	330.9	220.0	271.2	21,352	18,785	40,137	7,117	6,262	13,379
East of England	286.3	185.5	231.2	24,678	22,003	46,681	8,226	7,334	15,560
London	299.2	187.2	237.3	22,309	18,915	41,224	7,436	6,305	13,741
North East England	327.3	210.8	263.5	11,717	10,065	21,782	3,906	3,355	7,261
North West England	357.5	224.9	285.0	33,423	27,968	61,391	11,141	9,323	20,464
South East England	283.4	184.3	229.2	35,506	32,974	68,480	11,835	10,991	22,827
South West England	297.3	194.8	241.9	25,977	23,810	49,787	8,659	7,937	16,596
West Midlands	330.0	212.8	266.6	25,320	22,176	47,496	8,440	7,392	15,832
Yorkshire and the Humber	342.2	218.7	275.0	24,070	20,666	44,736	8,023	6,889	14,912
England	314.3	202.4	253.3	224,352	197,362	421,714	74,784	65,787	140,571
Wales	352.0	225.5	283.1	15,519	13,250	28,769	5,173	4,417	9,590
Scotland	392.8	276.0	329.6	27,459	26,047	53,506	9,153	8,682	17,835
Northern Ireland	297.7	201.3	244.2	6,354	5,988	12,342	2,118	1,996	4,114
<i>Non-residents</i>				<i>798</i>	<i>427</i>	<i>1,225</i>	<i>266</i>	<i>142</i>	<i>408</i>
UK	322.1	209.6	260.9	274,482	243,074	517,556	91,494	81,025	172,519

Notes: ICD-10 codes I00-I99, C38.0, F01, G45, P29, Q20-Q28 (heart and circulatory diseases - cardiovascular disease - CVD). Directly age-standardised using the 2013 European Standard Population. Figures for England and Wales exclude non-resident mortality; tallies for these are in the UK total but are not included in the UK death rate calculation.

Citation: BHF (2025) Analysis of official UK mortality data

Source: England & Wales - BHF analysis of Office for National Statistics (ONS) Nomis mortality data
 Scotland - BHF analysis of National Records of Scotland (NRS) mortality data
 Northern Ireland - BHF analysis of Northern Ireland, Statistics and Research Agency (NISRA) mortality data

Table 1.16 Number of deaths and age-standardised death rates for all heart and circulatory diseases (CVD), under 75, by region and nation, United Kingdom 2021/23

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	UNDER 75								
	Age-standardised heart and circulatory disease premature death rates per 100,000 - Annual Average (3-Year)			Total number of premature heart and circulatory disease deaths 2021/23			Average number of annual premature heart and circulatory disease deaths for 2021/23		
	Men	Women	Total	Men	Women	Total	Men	Women	Total
East Midlands	115.6	50.9	82.5	7,568	3,498	11,066	2,523	1,166	3,689
East of England	96.5	43.1	69.0	7,983	3,803	11,786	2,661	1,268	3,929
London	110.2	44.4	75.8	9,466	4,092	13,558	3,155	1,364	4,519
North East England	122.9	58.8	89.9	4,566	2,313	6,879	1,522	771	2,293
North West England	134.5	61.0	96.9	13,065	6,188	19,253	4,355	2,063	6,418
South East England	91.6	38.2	64.0	11,037	4,926	15,963	3,679	1,642	5,321
South West England	97.8	40.2	68.1	7,878	3,485	11,363	2,626	1,162	3,788
West Midlands	121.4	53.6	86.7	9,206	4,260	13,466	3,069	1,420	4,489
Yorkshire and the Humber	125.9	55.7	90.1	9,057	4,198	13,255	3,019	1,399	4,418
England	111.1	48.3	78.8	79,826	36,763	116,589	26,609	12,254	38,863
Wales	131.1	60.6	94.8	5,710	2,806	8,516	1,903	935	2,839
Scotland	139.1	67.5	102.0	10,521	5,493	16,014	3,507	1,831	5,338
Northern Ireland	93.8	45.5	69.1	2,246	1,132	3,378	749	377	1,126
Non-residents				549	249	798	183	83	266
UK	114.1	50.5	81.4	98,852	46,443	145,295	32,951	15,481	48,432

Notes: ICD-10 codes I00-I99, C38.0, F01, G45, P29, Q20-Q28 (heart and circulatory diseases - cardiovascular disease - CVD). Directly age-standardised using the 2013 European Standard Population. Figures for England and Wales exclude non-resident mortality; tallies for these are in the UK total but are not included in the UK death rate calculation.

Citation: BHF (2025) Analysis of official UK mortality data

Source: England & Wales - BHF analysis of Office for National Statistics (ONS) Nomis mortality data
Scotland - BHF analysis of National Records of Scotland (NRS) mortality data
Northern Ireland - BHF analysis of Northern Ireland, Statistics and Research Agency (NISRA) mortality data

Table 1.17 Number of deaths and age-standardised death rates for coronary heart disease (CHD), all ages, by region and nation, United Kingdom 2021/23

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	ALL AGES								
	Age-standardised CHD death rates per 100,000 - Annual Average (3-Year)			Total number of CHD deaths 2021/23			Average number of annual CHD deaths for 2021/23		
	Men	Women	Total	Men	Women	Total	Men	Women	Total
East Midlands	155.5	64.3	105.7	10,361	5,409	15,770	3,454	1,803	5,257
East of England	125.8	50.9	84.4	11,060	5,879	16,939	3,687	1,960	5,646
London	142.0	55.4	93.4	10,899	5,503	16,402	3,633	1,834	5,467
North East England	157.3	67.4	107.7	5,809	3,183	8,992	1,936	1,061	2,997
North West England	169.1	70.8	115.4	16,449	8,682	25,131	5,483	2,894	8,377
South East England	120.9	46.4	79.4	15,396	8,071	23,467	5,132	2,690	7,822
South West England	128.0	50.0	85.2	11,359	5,951	17,310	3,786	1,984	5,770
West Midlands	156.6	62.8	105.3	12,368	6,372	18,740	4,123	2,124	6,247
Yorkshire and the Humber	171.3	73.2	117.4	12,408	6,805	19,213	4,136	2,268	6,404
England	144.7	58.6	97.2	106,109	55,855	161,964	35,370	18,618	53,988
Wales	167.9	69.0	113.6	7,609	3,981	11,590	2,536	1,327	3,863
Scotland	180.4	85.8	128.0	13,106	8,065	21,171	4,369	2,688	7,057
Northern Ireland	133.6	59.0	91.8	2,968	1,744	4,712	989	581	1,571
<i>Non-residents</i>				<i>483</i>	<i>174</i>	<i>657</i>	<i>161</i>	<i>58</i>	<i>219</i>
UK	148.5	61.4	100.5	130,275	69,819	200,094	43,425	23,273	66,698

Notes:

ICD-10 codes I20-I25 (ischaemic heart disease - coronary heart disease - CHD). Directly age-standardised using the 2013 European Standard Population. Figures for England and Wales exclude non-resident mortality; tallies for these are in the UK total but are not included in the UK death rate calculation.

Citation:

BHF (2025) Analysis of official UK mortality data

Source:

England & Wales - BHF analysis of Office for National Statistics (ONS) Nomis mortality data

Scotland - BHF analysis of National Records of Scotland (NRS) mortality data

Northern Ireland - BHF analysis of Northern Ireland, Statistics and Research Agency (NISRA) mortality data

Table 1.18 Number of deaths and age-standardised death rates for coronary heart disease (CHD), under 75, by region and nation, United Kingdom 2021/23

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	UNDER 75								
	Age-standardised CHD premature death rates per 100,000 - Annual Average (3-Year)			Total number of premature CHD deaths 2021/23			Average number of annual premature CHD deaths for 2021/23		
	Men	Women	Total	Men	Women	Total	Men	Women	Total
East Midlands	68.6	20.8	44.2	4,501	1,429	5,930	1,500	476	1,977
East of England	53.2	16.2	34.2	4,404	1,433	5,837	1,468	478	1,946
London	62.9	17.1	39.0	5,338	1,534	6,872	1,779	511	2,291
North East England	72.1	25.2	48.0	2,689	997	3,686	896	332	1,229
North West England	81.1	26.0	52.9	7,890	2,639	10,529	2,630	880	3,510
South East England	48.9	13.3	30.5	5,902	1,718	7,620	1,967	573	2,540
South West England	54.7	14.1	33.8	4,423	1,230	5,653	1,474	410	1,884
West Midlands	73.9	22.6	47.7	5,601	1,794	7,395	1,867	598	2,465
Yorkshire and the Humber	76.9	24.6	50.2	5,539	1,856	7,395	1,846	619	2,465
England	64.4	19.2	41.2	46,287	14,630	60,917	15,429	4,877	20,306
Wales	79.1	25.3	51.4	3,449	1,177	4,626	1,150	392	1,542
Scotland	81.3	29.1	54.3	6,182	2,380	8,562	2,061	793	2,854
Northern Ireland	52.1	17.6	34.5	1,252	441	1,693	417	147	564
Non-residents				342	107	449	114	36	150
UK	66.3	20.4	42.7	57,512	18,735	76,247	19,171	6,245	25,416

Notes: ICD-10 codes I20-I25 (ischaemic heart disease - coronary heart disease - CHD). Directly age-standardised using the 2013 European Standard Population.
Figures for England and Wales exclude non-resident mortality; tallies for these are in the UK total but are not included in the UK death rate calculation.

Citation: BHF (2025) Analysis of official UK mortality data

Source: England & Wales - BHF analysis of Office for National Statistics (ONS) Nomis mortality data
Scotland - BHF analysis of National Records of Scotland (NRS) mortality data
Northern Ireland - BHF analysis of Northern Ireland, Statistics and Research Agency (NISRA) mortality data

Table 1.19 Number of deaths and age-standardised death rates for stroke (CBVD), all ages, by region and nation, United Kingdom 2021/23

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	ALL AGES								
	Age-standardised stroke (CBVD) death rates per 100,000 - Annual Average (3-Year)			Total number of stroke (CBVD) deaths 2021/23			Average number of annual stroke (CBVD) deaths for 2021/23		
	Men	Women	Total	Men	Women	Total	Men	Women	Total
East Midlands	52.3	47.2	49.7	3,326	4,034	7,360	1,109	1,345	2,453
East of England	47.4	42.4	44.7	4,053	5,026	9,079	1,351	1,675	3,026
London	50.6	41.7	45.8	3,715	4,217	7,932	1,238	1,406	2,644
North East England	58.6	52.9	55.8	2,061	2,537	4,598	687	846	1,533
North West England	57.8	50.2	53.8	5,314	6,249	11,563	1,771	2,083	3,854
South East England	47.2	43.3	45.3	5,876	7,727	13,603	1,959	2,576	4,534
South West England	51.3	49.5	50.7	4,464	6,049	10,513	1,488	2,016	3,504
West Midlands	52.1	47.2	49.6	3,947	4,922	8,869	1,316	1,641	2,956
Yorkshire and the Humber	57.6	49.9	53.6	3,963	4,731	8,694	1,321	1,577	2,898
England	52.1	46.6	49.3	36,719	45,492	82,211	12,240	15,164	27,404
Wales	56.2	49.8	52.8	2,433	2,941	5,374	811	980	1,791
Scotland	73.4	69.0	71.5	4,966	6,526	11,492	1,655	2,175	3,831
Northern Ireland	55.0	46.7	50.2	1,147	1,387	2,534	382	462	845
<i>Non-residents</i>				112	107	219	37	36	73
UK	54.1	48.6	51.3	45,377	56,453	101,830	15,126	18,818	33,943

Notes:

ICD-10 codes I60-I69 - stroke - cerebrovascular disease (CBVD). Directly standardised using the 2013 European Standard Population.

Figures for England and Wales exclude non-resident mortality; tallies for these are in the UK total but are not included in the UK death rate calculation.

Citation:

BHF (2025) Analysis of official UK mortality data

Source:

England & Wales - BHF analysis of Office for National Statistics (ONS) Nomis mortality data

Scotland - BHF analysis of National Records of Scotland (NRS) mortality data

Northern Ireland - BHF analysis of Northern Ireland, Statistics and Research Agency (NISRA) mortality data

Table 1.20 Number of deaths and age-standardised death rates for stroke (CBVD), under 75, by region and nation, United Kingdom 2021/23

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	UNDER 75								
	Age-standardised premature stroke (CBVD) death rates per 100,000 - Annual Average (3-Year)			Total number of premature stroke (CBVD) deaths 2021/23			Average number of annual premature stroke (CBVD) deaths for 2021/23		
	Men	Women	Total	Men	Women	Total	Men	Women	Total
East Midlands	14.8	10.9	12.8	963	746	1,709	321	249	570
East of England	12.7	9.4	11.0	1,045	829	1,874	348	276	625
London	16.7	10.0	13.2	1,425	941	2,366	475	314	789
North East England	17.9	12.8	15.3	667	505	1,172	222	168	391
North West England	17.4	13.1	15.2	1,681	1,327	3,008	560	442	1,003
South East England	12.3	8.9	10.5	1,469	1,143	2,612	490	381	871
South West England	12.9	9.7	11.3	1,039	842	1,881	346	281	627
West Midlands	15.3	11.2	13.2	1,155	891	2,046	385	297	682
Yorkshire and the Humber	16.7	11.6	14.1	1,198	876	2,074	399	292	691
England	14.9	10.6	12.7	10,642	8,100	18,742	3,547	2,700	6,247
Wales	16.4	11.9	14.1	721	553	1,274	240	184	425
Scotland	19.9	15.0	17.4	1,504	1,224	2,728	501	408	909
Northern Ireland	14.4	11.0	12.6	343	271	614	114	90	205
<i>Non-residents</i>				<i>77</i>	<i>62</i>	<i>139</i>	<i>26</i>	<i>21</i>	<i>46</i>
UK	15.4	11.1	13.2	13,287	10,210	23,497	4,429	3,403	7,832

Notes: ICD-10 codes I60-I69 - stroke - cerebrovascular disease (CBVD). Directly standardised using the 2013 European Standard Population.
 Figures for England and Wales exclude non-resident mortality; tallies for these are in the UK total but are not included in the UK death rate calculation.

Citation: BHF (2025) Analysis of official UK mortality data

Source: England & Wales - BHF analysis of Office for National Statistics (ONS) Nomis mortality data
 Scotland - BHF analysis of National Records of Scotland (NRS) mortality data
 Northern Ireland - BHF analysis of Northern Ireland, Statistics and Research Agency (NISRA) mortality data

Table 1.21 Age-standardised death rates per 100,000 and number of deaths for heart and circulatory diseases (CVD), all ages by local authority, United Kingdom 2021/23

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LA CodeLA/DC/UACeremonial County (Eng/Wal)Region/Nation4N					ALL AGES											
					Age-standardised CVD death rates per 100,000 - Annual Average (3-Year)			Total number of CVD deaths 2021/23			Average number of annual CVD deaths 2021/23			ASDR Rank (1 = highest death rate)		IMD - Rank** (1= most deprived)
Men	Women	Total	Men	Women	Total	Men	Women	Total	4N	UK-wide	4N					
E06000055	Bedford	Bedfordshire	East of England	ENG	267.7	172.2	215.6	594	520	1,114	198	173	371	188	249	142
E06000056	Central Bedfordshire	Bedfordshire	East of England	ENG	258.0	159.7	204.3	933	739	1,672	311	246	557	222	285	240
E06000032	Luton	Bedfordshire	East of England	ENG	317.6	196.7	252.3	631	485	1,116	210	162	372	77	123	68
E06000036	Bracknell Forest	Berkshire	South East	ENG	238.3	162.6	196.5	318	284	602	106	95	201	248	313	267
E06000038	Reading	Berkshire	South East	ENG	290.0	187.3	235.8	455	382	837	152	127	279	127	179	134
E06000039	Slough	Berkshire	South East	ENG	340.7	219.6	277.1	403	303	706	134	101	235	27	51	99
E06000037	West Berkshire	Berkshire	South East	ENG	241.6	149.5	191.4	526	425	951	175	142	317	259	324	271
E06000040	Windsor and Maidenhead	Berkshire	South East	ENG	239.4	143.9	186.8	497	412	909	166	137	303	270	335	285
E06000041	Wokingham	Berkshire	South East	ENG	225.3	127.7	171.4	500	378	878	167	126	293	291	356	295
E06000023	Bristol, City of	Bristol	South West	ENG	291.9	178.1	231.2	1,276	1,024	2,300	425	341	767	136	191	64
E06000060	Buckinghamshire	Buckinghamshire	South East	ENG	247.6	148.8	193.6	1,832	1,548	3,380	611	516	1,127	255	320	269
E06000042	Milton Keynes	Buckinghamshire	South East	ENG	238.4	176.9	206.0	633	623	1,256	211	208	419	216	279	158
E07000008	Cambridge	Cambridgeshire	East of England	ENG	260.3	166.8	209.6	315	279	594	105	93	198	208	270	200
E07000009	East Cambridgeshire	Cambridgeshire	East of England	ENG	240.8	172.9	203.2	305	295	600	102	98	200	227	290	256
E07000010	Fenland	Cambridgeshire	East of England	ENG	331.8	204.8	261.5	510	441	951	170	147	317	53	88	77
E07000011	Huntingdonshire	Cambridgeshire	East of England	ENG	265.1	164.9	208.5	652	527	1,179	217	176	393	213	275	235
E06000031	Peterborough	Cambridgeshire	East of England	ENG	329.4	190.1	253.3	722	543	1,265	241	181	422	75	119	50
E07000012	South Cambridgeshire	Cambridgeshire	East of England	ENG	236.5	145.3	187.6	551	451	1,002	184	150	334	266	331	282
E06000049	Cheshire East	Cheshire	North West	ENG	282.7	177.9	225.4	1,750	1,495	3,245	583	498	1,082	156	213	207
E06000050	Cheshire West and Chester	Cheshire	North West	ENG	293.5	171.4	226.1	1,510	1,196	2,706	503	399	902	154	211	154
E06000006	Halton	Cheshire	North West	ENG	373.6	229.2	294.9	581	441	1,022	194	147	341	10	26	23
E06000007	Warrington	Cheshire	North West	ENG	309.6	190.7	243.8	859	678	1,537	286	226	512	98	146	140
E06000052	Cornwall	Cornwall	South West	ENG	305.3	195.7	245.4	2,919	2,531	5,450	973	844	1,817	93	140	97
E06000053	Isles of Scilly	Cornwall	South West	ENG	*	*	*	*	*	*	*	*	*	*	*	243
E06000047	County Durham	County Durham	North East	ENG	320.7	206.4	258.7	2,358	1,954	4,312	786	651	1,437	60	98	61
E06000005	Darlington	County Durham	North East	ENG	312.3	187.6	244.0	470	377	847	157	126	282	97	145	74
E06000001	Hartlepool	County Durham	North East	ENG	313.0	207.4	255.2	380	335	715	127	112	238	70	109	10
E06000004	Stockton-on-Tees	County Durham	North East	ENG	306.6	187.0	240.6	763	604	1,367	254	201	456	110	158	71
E06000063	Cumberland	Cumbria	North West	ENG	318.9	196.2	251.9	1,366	1,089	2,455	455	363	818	79	125	96
E06000064	Westmorland and Furness	Cumbria	North West	ENG	274.4	176.8	221.0	1,062	925	1,987	354	308	662	171	228	139
E07000032	Amber Valley	Derbyshire	East Midlands	ENG	323.1	194.0	254.1	601	481	1,082	200	160	361	72	112	159
E07000033	Bolsover	Derbyshire	East Midlands	ENG	366.0	216.8	280.9	379	302	681	126	101	227	21	42	81
E07000034	Chesterfield	Derbyshire	East Midlands	ENG	297.3	210.5	250.5	448	421	869	149	140	290	85	131	83
E06000015	Derby	Derbyshire	East Midlands	ENG	319.8	203.5	258.2	969	845	1,814	323	282	605	61	99	66
E07000035	Derbyshire Dales	Derbyshire	East Midlands	ENG	288.5	158.9	215.7	387	286	673	129	95	224	186	247	247
E07000036	Erewash	Derbyshire	East Midlands	ENG	313.7	225.1	265.1	490	461	951	163	154	317	46	79	145
E07000037	High Peak	Derbyshire	East Midlands	ENG	290.4	183.9	233.2	382	309	691	127	103	230	133	187	191
E07000038	North East Derbyshire	Derbyshire	East Midlands	ENG	276.4	182.7	226.1	461	395	856	154	132	285	153	210	164
E07000039	South Derbyshire	Derbyshire	East Midlands	ENG	282.9	202.1	241.2	384	347	731	128	116	244	107	155	206
E07000040	East Devon	Devon	South West	ENG	223.0	151.8	183.1	703	704	1,407	234	235	469	280	345	233
E07000041	Exeter	Devon	South West	ENG	280.0	157.2	210.9	420	354	774	140	118	258	201	262	180
E07000042	Mid Devon	Devon	South West	ENG	243.5	156.2	195.0	332	289	621	111	96	207	253	318	169
E07000043	North Devon	Devon	South West	ENG	289.4	187.0	235.0	513	439	952	171	146	317	129	182	124
E06000026	Plymouth	Devon	South West	ENG	319.6	200.4	255.1	1,067	913	1,980	356	304	660	71	110	63
E07000044	South Hams	Devon	South West	ENG	232.9	152.3	188.1	386	350	736	129	117	245	264	329	219
E07000045	Teignbridge	Devon	South West	ENG	249.2	178.1	210.9	607	602	1,209	202	201	403	200	261	185
E06000027	Torbay	Devon	South West	ENG	312.9	173.2	237.8	784	617	1,401	261	206	467	118	167	47
E07000046	Torridge	Devon	South West	ENG	294.4	194.4	239.7	376	327	703	125	109	234	112	160	94
E07000047	West Devon	Devon	South West	ENG	278.1	166.8	218.7	308	244	552	103	81	184	179	236	155

Table 1.21 Age-standardised death rates per 100,000 and number of deaths for heart and circulatory diseases (CVD), all ages by local authority, United Kingdom 2021/23

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					ALL AGES											
					Age-standardised CVD death rates per 100,000 - Annual Average (3-Year)			Total number of CVD deaths 2021/23			Average number of annual CVD deaths 2021/23			ASDR Rank (1 = highest death rate)		IMD - Rank** (1= most deprived)
LA Code	LA/DC/UA	Ceremonial County (Eng/Wal)	Region/Nation	4N	Men	Women	Total	Men	Women	Total	Men	Women	Total	4N	UK-wide	4N
E06000058	Bournemouth, Christchurch and Poole	Dorset	South West	ENG	279.5	173.5	222.9	1,718	1,561	3,279	573	520	1,093	166	223	153
E06000059	Dorset	Dorset	South West	ENG	254.5	163.8	204.8	2,006	1,775	3,781	669	592	1,260	220	283	190
E06000043	Brighton and Hove	East Sussex	South East	ENG	285.6	177.3	227.8	796	689	1,485	265	230	495	148	204	123
E07000061	Eastbourne	East Sussex	South East	ENG	289.4	194.7	237.9	494	538	1,032	165	179	344	117	166	109
E07000062	Hastings	East Sussex	South East	ENG	411.4	288.6	346.3	486	491	977	162	164	326	1	4	17
E07000063	Lewes	East Sussex	South East	ENG	268.3	150.7	203.4	485	429	914	162	143	305	226	289	189
E07000064	Rother	East Sussex	South East	ENG	304.2	207.4	250.5	614	658	1,272	205	219	424	84	130	131
E07000065	Wealden	East Sussex	South East	ENG	262.2	176.3	215.6	761	726	1,487	254	242	496	187	248	238
E07000066	Basildon	Essex	East of England	ENG	287.3	185.6	229.1	604	553	1,157	201	184	386	142	197	95
E07000067	Braintree	Essex	East of England	ENG	276.3	175.7	220.7	590	511	1,101	197	170	367	172	229	202
E07000068	Brentwood	Essex	East of England	ENG	244.7	163.0	199.7	276	281	557	92	94	186	239	304	270
E07000069	Castle Point	Essex	East of England	ENG	267.4	151.2	202.3	392	316	708	131	105	236	230	294	171
E07000070	Chelmsford	Essex	East of England	ENG	257.7	172.2	210.5	624	567	1,191	208	189	397	202	263	239
E07000071	Colchester	Essex	East of England	ENG	256.8	168.9	209.7	615	544	1,159	205	181	386	206	268	174
E07000072	Epping Forest	Essex	East of England	ENG	254.0	137.7	189.0	464	365	829	155	122	276	263	328	195
E07000073	Harlow	Essex	East of England	ENG	295.6	183.0	231.6	281	238	519	94	79	173	135	190	117
E07000074	Maldon	Essex	East of England	ENG	256.0	149.9	198.4	291	225	516	97	75	172	242	307	213
E07000075	Rochford	Essex	East of England	ENG	276.2	161.7	212.0	366	308	674	122	103	225	199	260	265
E06000033	Southend-on-Sea	Essex	East of England	ENG	319.2	159.1	228.9	754	550	1,304	251	183	435	143	198	105
E07000076	Tendring	Essex	East of England	ENG	296.0	181.3	234.0	873	726	1,599	291	242	533	132	186	35
E06000034	Thurrock	Essex	East of England	ENG	317.1	181.4	238.2	499	389	888	166	130	296	114	163	120
E07000077	Uttlesford	Essex	East of England	ENG	211.9	134.2	170.4	279	248	527	93	83	176	293	358	278
E07000078	Cheltenham	Gloucestershire	South West	ENG	286.1	162.6	217.2	464	400	864	155	133	288	183	244	210
E07000079	Cotswold	Gloucestershire	South West	ENG	244.3	158.1	198.0	398	353	751	133	118	250	243	308	260
E07000080	Forest of Dean	Gloucestershire	South West	ENG	281.3	182.7	230.1	406	343	749	135	114	250	138	193	156
E07000081	Gloucester	Gloucestershire	South West	ENG	320.9	197.1	253.6	505	410	915	168	137	305	74	118	112
E06000025	South Gloucestershire	Gloucestershire	South West	ENG	237.1	143.7	186.9	914	757	1,671	305	252	557	269	334	253
E07000082	Stroud	Gloucestershire	South West	ENG	252.9	152.8	197.3	482	399	881	161	133	294	245	310	262
E07000083	Tewkesbury	Gloucestershire	South West	ENG	272.6	168.7	214.8	397	334	731	132	111	244	191	252	241
E09000002	Barking and Dagenham	Greater London	London	ENG	335.3	207.5	264.7	485	389	874	162	130	291	47	80	21
E09000003	Barnet	Greater London	London	ENG	258.7	172.8	212.6	1,042	1,041	2,083	347	347	694	198	259	181
E09000004	Bexley	Greater London	London	ENG	281.1	175.4	221.0	781	732	1,513	260	244	504	170	227	178
E09000005	Brent	Greater London	London	ENG	326.4	196.3	255.5	952	741	1,693	317	247	564	69	108	76
E09000006	Bromley	Greater London	London	ENG	249.4	146.9	192.0	1,027	878	1,905	342	293	635	257	322	214
E09000007	Camden	Greater London	London	ENG	259.2	155.1	202.0	452	368	820	151	123	273	231	295	130
E09000001	City of London	Greater London	London	ENG	*	*	*	*	*	*	*	*	*	*	*	203
E09000008	Croydon	Greater London	London	ENG	292.1	172.3	225.5	1,124	887	2,011	375	296	670	155	212	103
E09000009	Ealing	Greater London	London	ENG	294.4	169.6	226.3	964	694	1,658	321	231	553	152	209	100
E09000010	Enfield	Greater London	London	ENG	285.2	184.2	229.7	930	838	1,768	310	279	589	139	194	72
E09000011	Greenwich	Greater London	London	ENG	304.1	198.8	245.8	653	550	1,203	218	183	401	91	138	84
E09000012	Hackney	Greater London	London	ENG	348.1	208.7	272.8	568	396	964	189	132	321	34	60	22
E09000013	Hammersmith and Fulham	Greater London	London	ENG	319.5	158.6	225.3	404	279	683	135	93	228	157	214	107
E09000014	Haringey	Greater London	London	ENG	336.6	198.8	259.1	658	513	1,171	219	171	390	58	95	48
E09000015	Harrow	Greater London	London	ENG	258.8	188.3	221.3	736	738	1,474	245	246	491	169	226	197
E09000016	Havering	Greater London	London	ENG	261.4	161.9	205.3	826	759	1,585	275	253	528	219	282	173
E09000017	Hillingdon	Greater London	London	ENG	292.1	173.4	227.4	871	698	1,569	290	233	523	149	205	152
E09000018	Hounslow	Greater London	London	ENG	273.4	172.6	219.7	686	521	1,207	229	174	402	175	232	115
E09000019	Islington	Greater London	London	ENG	335.9	202.9	260.7	469	367	836	156	122	279	55	91	52
E09000020	Kensington and Chelsea	Greater London	London	ENG	251.5	137.0	185.7	354	265	619	118	88	206	274	339	114

Table 1.21 Age-standardised death rates per 100,000 and number of deaths for heart and circulatory diseases (CVD), all ages by local authority, United Kingdom 2021/23

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LA CodeLA/DC/UACeremonial County (Eng/Wal)Region/Nation4N					ALL AGES											
					Age-standardised CVD death rates per 100,000 - Annual Average (3-Year)			Total number of CVD deaths 2021/23			Average number of annual CVD deaths 2021/23			ASDR Rank (1 = highest death rate)		IMD - Rank** (1= most deprived)
					Men	Women	Total	Men	Women	Total	Men	Women	Total	4N	UK-wide	4N
E09000021	Kingston upon Thames	Greater London	London	ENG	256.0	162.9	205.4	443	394	837	148	131	279	218	281	257
E09000022	Lambeth	Greater London	London	ENG	311.5	187.2	241.4	629	484	1,113	210	161	371	106	154	78
E09000023	Lewisham	Greater London	London	ENG	313.1	202.9	251.5	658	569	1,227	219	190	409	80	126	62
E09000024	Merton	Greater London	London	ENG	251.1	148.5	192.5	466	396	862	155	132	287	256	321	204
E09000025	Newham	Greater London	London	ENG	321.4	211.6	262.4	666	481	1,147	222	160	382	51	86	42
E09000026	Redbridge	Greater London	London	ENG	274.7	162.3	213.1	762	587	1,349	254	196	450	197	258	166
E09000027	Richmond upon Thames	Greater London	London	ENG	224.6	129.3	171.0	483	395	878	161	132	293	292	357	276
E09000028	Southwark	Greater London	London	ENG	296.3	174.5	227.2	553	434	987	184	145	329	150	206	70
E09000029	Sutton	Greater London	London	ENG	269.2	146.9	198.5	576	477	1,053	192	159	351	241	306	217
E09000030	Tower Hamlets	Greater London	London	ENG	344.4	184.1	256.7	498	301	799	166	100	266	63	102	49
E09000031	Waltham Forest	Greater London	London	ENG	290.3	193.0	238.0	615	509	1,124	205	170	375	115	164	79
E09000032	Wandsworth	Greater London	London	ENG	247.7	168.7	203.8	540	523	1,063	180	174	354	224	287	176
E09000033	Westminster	Greater London	London	ENG	234.8	141.9	183.5	418	329	747	139	110	249	278	343	129
E08000001	Bolton	Greater Manchester	North West	ENG	338.9	196.4	262.8	1,190	854	2,044	397	285	681	50	85	33
E08000002	Bury	Greater Manchester	North West	ENG	345.9	186.0	256.2	817	587	1,404	272	196	468	66	105	91
E08000003	Manchester	Greater Manchester	North West	ENG	406.5	248.2	319.3	1,543	1,148	2,691	514	383	897	2	10	6
E08000004	Oldham	Greater Manchester	North West	ENG	347.3	208.0	271.9	921	694	1,615	307	231	538	35	61	19
E08000005	Rochdale	Greater Manchester	North West	ENG	378.2	219.9	289.1	918	699	1,617	306	233	539	17	35	15
E08000006	Salford	Greater Manchester	North West	ENG	367.7	202.9	277.5	934	644	1,578	311	215	526	26	50	18
E08000007	Stockport	Greater Manchester	North West	ENG	305.8	187.4	240.0	1,224	1,080	2,304	408	360	768	111	159	122
E08000008	Tameside	Greater Manchester	North West	ENG	364.1	221.8	285.4	977	767	1,744	326	256	581	18	38	28
E08000009	Trafford	Greater Manchester	North West	ENG	300.4	182.9	235.5	859	740	1,599	286	247	533	128	180	182
E08000010	Wigan	Greater Manchester	North West	ENG	333.7	200.8	261.8	1,422	1,052	2,474	474	351	825	52	87	73
E07000084	Basingstoke and Deane	Hampshire	South East	ENG	241.8	171.7	203.8	544	496	1,040	181	165	347	225	288	232
E07000085	East Hampshire	Hampshire	South East	ENG	255.4	150.2	196.2	522	439	961	174	146	320	249	314	266
E07000086	Eastleigh	Hampshire	South East	ENG	272.4	150.2	204.3	515	400	915	172	133	305	223	286	268
E07000087	Fareham	Hampshire	South East	ENG	252.4	171.2	207.0	492	506	998	164	169	333	214	277	279
E07000088	Gosport	Hampshire	South East	ENG	315.8	197.6	250.3	373	331	704	124	110	235	86	132	125
E07000089	Hart	Hampshire	South East	ENG	211.1	147.0	176.7	304	281	585	101	94	195	288	353	296
E07000090	Havant	Hampshire	South East	ENG	297.2	169.7	226.4	620	500	1,120	207	167	373	151	208	113
E07000091	New Forest	Hampshire	South East	ENG	244.4	157.8	196.7	889	860	1,749	296	287	583	247	312	229
E06000044	Portsmouth	Hampshire	South East	ENG	344.8	214.6	273.6	724	638	1,362	241	213	454	33	59	58
E07000092	Rushmoor	Hampshire	South East	ENG	269.4	189.1	225.0	274	254	528	91	85	176	159	216	184
E06000045	Southampton	Hampshire	South East	ENG	332.1	211.7	267.2	796	678	1,474	265	226	491	43	74	60
E07000093	Test Valley	Hampshire	South East	ENG	262.9	158.9	204.7	507	424	931	169	141	310	221	284	245
E07000094	Winchester	Hampshire	South East	ENG	239.1	142.8	186.3	459	406	865	153	135	288	272	337	274
E06000019	Herefordshire, County of	Herefordshire	West Midlands	ENG	282.9	193.4	235.8	945	863	1,808	315	288	603	126	178	144
E07000095	Broxbourne	Hertfordshire	East of England	ENG	255.3	157.7	200.6	309	266	575	103	89	192	238	303	157
E07000096	Dacorum	Hertfordshire	East of England	ENG	240.5	151.3	191.5	463	413	876	154	138	292	258	323	230
E07000242	East Hertfordshire	Hertfordshire	East of England	ENG	234.9	155.2	191.3	461	413	874	154	138	291	260	325	288
E07000098	Hertsmere	Hertfordshire	East of England	ENG	232.5	134.1	178.4	320	272	592	107	91	197	283	348	218
E07000099	North Hertfordshire	Hertfordshire	East of England	ENG	257.0	151.4	197.9	470	399	869	157	133	290	244	309	254
E07000240	St Albans	Hertfordshire	East of England	ENG	204.2	129.4	163.0	382	341	723	127	114	241	294	359	287
E07000243	Stevenage	Hertfordshire	East of England	ENG	284.2	184.0	229.3	275	247	522	92	82	174	141	196	132
E07000102	Three Rivers	Hertfordshire	East of England	ENG	230.6	131.0	174.8	275	223	498	92	74	166	289	354	273
E07000103	Watford	Hertfordshire	East of England	ENG	271.4	164.9	209.8	247	218	465	82	73	155	205	267	193
E07000241	Welwyn Hatfield	Hertfordshire	East of England	ENG	253.8	157.8	201.9	351	319	670	117	106	223	232	296	212
E06000046	Isle of Wight	Isle of Wight	South East	ENG	371.9	262.1	312.6	990	992	1,982	330	331	661	4	13	93
E07000105	Ashford	Kent	South East	ENG	247.5	184.9	215.1	436	433	869	145	144	290	190	251	151

Table 1.21 Age-standardised death rates per 100,000 and number of deaths for heart and circulatory diseases (CVD), all ages by local authority, United Kingdom 2021/23

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LA CodeLA/DC/UACeremonial County (Eng/Wal)Region/Nation4N					ALL AGES											
					Age-standardised CVD death rates per 100,000 - Annual Average (3-Year)			Total number of CVD deaths 2021/23			Average number of annual CVD deaths 2021/23			ASDR Rank (1 = highest death rate)		IMD - Rank** (1= most deprived)
					Men	Women	Total	Men	Women	Total	Men	Women	Total	4N	UK-wide	4N
E07000106	Canterbury	Kent	South East	ENG	285.2	169.3	219.5	641	575	1,216	214	192	405	177	234	172
E07000107	Dartford	Kent	South East	ENG	263.9	163.9	208.8	301	258	559	100	86	186	210	272	146
E07000108	Dover	Kent	South East	ENG	298.6	192.9	242.1	549	476	1,025	183	159	342	101	149	108
E07000112	Folkestone and Hythe (Shepway)	Kent	South East	ENG	293.1	196.0	242.0	534	494	1,028	178	165	343	102	150	86
E07000109	Gravesham	Kent	South East	ENG	320.1	186.3	248.5	415	312	727	138	104	242	88	134	116
E07000110	Maidstone	Kent	South East	ENG	265.8	149.1	200.7	610	477	1,087	203	159	362	237	302	177
E06000035	Medway	Kent	South East	ENG	301.5	182.9	237.3	939	742	1,681	313	247	560	120	170	89
E07000111	Sevenoaks	Kent	South East	ENG	252.6	149.6	195.9	466	401	867	155	134	289	252	317	237
E07000113	Swale	Kent	South East	ENG	320.3	180.5	241.0	596	453	1,049	199	151	350	108	156	55
E07000114	Thanet	Kent	South East	ENG	328.9	187.9	251.2	699	576	1,275	233	192	425	81	127	30
E07000115	Tonbridge and Malling	Kent	South East	ENG	267.8	169.3	213.3	463	402	865	154	134	288	196	257	224
E07000116	Tunbridge Wells	Kent	South East	ENG	243.1	166.1	200.7	392	390	782	131	130	261	236	301	258
E06000008	Blackburn with Darwen	Lancashire	North West	ENG	355.0	235.7	291.1	562	453	1,015	187	151	338	16	33	9
E06000009	Blackpool	Lancashire	North West	ENG	388.3	227.1	303.3	794	578	1,372	265	193	457	8	21	1
E07000117	Burnley	Lancashire	North West	ENG	390.9	230.2	304.4	450	332	782	150	111	261	7	20	8
E07000118	Chorley	Lancashire	North West	ENG	316.5	209.5	260.9	524	421	945	175	140	315	54	89	170
E07000119	Fylde	Lancashire	North West	ENG	281.6	158.7	215.1	441	350	791	147	117	264	189	250	186
E07000120	Hyndburn	Lancashire	North West	ENG	335.9	222.3	278.3	354	285	639	118	95	213	25	48	16
E07000121	Lancaster	Lancashire	North West	ENG	354.7	194.6	266.1	700	526	1,226	233	175	409	45	78	85
E07000122	Pendle	Lancashire	North West	ENG	327.5	201.7	260.2	389	296	685	130	99	228	56	92	32
E07000123	Preston	Lancashire	North West	ENG	375.1	220.7	291.2	599	447	1,046	200	149	349	15	32	44
E07000124	Ribble Valley	Lancashire	North West	ENG	233.1	143.3	184.6	245	197	442	82	66	147	276	341	264
E07000125	Rossendale	Lancashire	North West	ENG	376.3	198.0	276.9	337	225	562	112	75	187	28	52	88
E07000126	South Ribble	Lancashire	North West	ENG	277.7	180.3	225.2	457	386	843	152	129	281	158	215	194
E07000127	West Lancashire	Lancashire	North West	ENG	342.7	215.5	271.1	578	497	1,075	193	166	358	37	64	147
E07000128	Wyre	Lancashire	North West	ENG	306.1	193.2	244.1	650	550	1,200	217	183	400	96	144	121
E07000129	Blaby	Leicestershire	East Midlands	ENG	243.5	163.1	198.7	350	308	658	117	103	219	240	305	263
E07000130	Charnwood	Leicestershire	East Midlands	ENG	291.1	170.2	224.5	690	541	1,231	230	180	410	160	217	226
E07000131	Harborough	Leicestershire	East Midlands	ENG	236.9	159.3	194.5	354	312	666	118	104	222	254	319	290
E07000132	Hinckley and Bosworth	Leicestershire	East Midlands	ENG	273.9	177.9	222.4	466	392	858	155	131	286	167	224	222
E06000016	Leicester	Leicestershire	East Midlands	ENG	352.8	239.6	293.0	1,111	933	2,044	370	311	681	13	29	31
E07000133	Melton	Leicestershire	East Midlands	ENG	293.1	177.4	228.1	231	190	421	77	63	140	146	202	236
E07000134	North West Leicestershire	Leicestershire	East Midlands	ENG	299.8	205.1	250.7	424	356	780	141	119	260	83	129	205
E07000135	Oadby and Wigston	Leicestershire	East Midlands	ENG	287.6	175.0	223.9	250	223	473	83	74	158	164	221	231
E07000136	Boston	Lincolnshire	East Midlands	ENG	351.6	211.7	275.6	353	276	629	118	92	210	29	53	98
E07000137	East Lindsey	Lincolnshire	East Midlands	ENG	369.9	227.1	293.1	1,061	784	1,845	354	261	615	12	28	38
E07000138	Lincoln	Lincolnshire	East Midlands	ENG	341.5	227.3	280.7	363	331	694	121	110	231	22	44	59
E07000139	North Kesteven	Lincolnshire	East Midlands	ENG	268.8	194.0	228.8	511	472	983	170	157	328	144	199	255
E07000140	South Holland	Lincolnshire	East Midlands	ENG	308.7	210.1	255.6	494	438	932	165	146	311	68	107	161
E07000141	South Kesteven	Lincolnshire	East Midlands	ENG	289.1	187.9	234.7	642	561	1,203	214	187	401	131	185	221
E07000142	West Lindsey	Lincolnshire	East Midlands	ENG	299.1	194.2	241.7	469	381	850	156	127	283	103	151	128
E06000012	North East Lincolnshire	Lincolnshire	Yorkshire & The Humber	ENG	355.4	239.1	294.1	804	704	1,508	268	235	503	11	27	29
E06000013	North Lincolnshire	Lincolnshire	Yorkshire & The Humber	ENG	344.4	199.9	266.6	859	659	1,518	286	220	506	44	75	110
E08000011	Knowsley	Merseyside	North West	ENG	341.8	236.4	285.1	609	543	1,152	203	181	384	19	39	2
E08000012	Liverpool	Merseyside	North West	ENG	354.5	211.6	275.3	1,765	1,385	3,150	588	462	1,050	30	54	3
E08000014	Sefton	Merseyside	North West	ENG	304.4	184.5	236.3	1,312	1,157	2,469	437	386	823	123	175	57
E08000013	St. Helens	Merseyside	North West	ENG	354.5	199.2	269.0	900	640	1,540	300	213	513	39	69	26
E08000015	Wirral	Merseyside	North West	ENG	294.4	177.8	229.6	1,363	1,162	2,525	454	387	842	140	195	41
E07000143	Breckland	Norfolk	East of England	ENG	282.4	174.6	223.4	676	567	1,243	225	189	414	165	222	135

Table 1.21 Age-standardised death rates per 100,000 and number of deaths for heart and circulatory diseases (CVD), all ages by local authority, United Kingdom 2021/23

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					ALL AGES											
					Age-standardised CVD death rates per 100,000 - Annual Average (3-Year)			Total number of CVD deaths 2021/23			Average number of annual CVD deaths 2021/23			ASDR Rank (1 = highest death rate)		IMD - Rank** (1= most deprived)
LA Code	LA/DC/UA	Ceremonial County (Eng/Wal)	Region/Nation	4N	Men	Women	Total	Men	Women	Total	Men	Women	Total	4N	UK-wide	4N
E07000144	Broadland	Norfolk	East of England	ENG	246.1	176.4	208.6	597	576	1,173	199	192	391	212	274	248
E07000145	Great Yarmouth	Norfolk	East of England	ENG	348.6	218.4	279.6	563	453	1,016	188	151	339	24	46	20
E07000146	King's Lynn and West Norfolk	Norfolk	East of England	ENG	276.8	169.2	218.3	757	616	1,373	252	205	458	180	238	90
E07000147	North Norfolk	Norfolk	East of England	ENG	264.8	181.9	219.6	620	575	1,195	207	192	398	176	233	119
E07000148	Norwich	Norfolk	East of England	ENG	312.4	209.1	256.6	466	440	906	155	147	302	64	103	51
E07000149	South Norfolk	Norfolk	East of England	ENG	259.0	170.6	209.8	613	554	1,167	204	185	389	203	265	225
E06000061	North Northamptonshire	Northamptonshire	East Midlands	ENG	292.5	184.0	234.9	1,305	1,045	2,350	435	348	783	130	184	133
E06000062	West Northamptonshire	Northamptonshire	East Midlands	ENG	275.3	162.5	213.4	1,380	1,051	2,431	460	350	810	194	255	162
E06000057	Northumberland	Northumberland	North East	ENG	290.3	177.6	228.2	1,538	1,245	2,783	513	415	928	145	201	111
E07000170	Ashfield	Nottinghamshire	East Midlands	ENG	332.3	216.9	267.4	550	473	1,023	183	158	341	42	73	67
E07000171	Bassetlaw	Nottinghamshire	East Midlands	ENG	313.5	184.8	243.7	560	420	980	187	140	327	99	147	101
E07000172	Broxtowe	Nottinghamshire	East Midlands	ENG	305.8	189.0	241.5	499	423	922	166	141	307	105	153	211
E07000173	Gedling	Nottinghamshire	East Midlands	ENG	303.7	199.8	247.1	509	461	970	170	154	323	90	137	199
E07000174	Mansfield	Nottinghamshire	East Midlands	ENG	325.9	201.0	258.8	464	384	848	155	128	283	59	97	45
E07000175	Newark and Sherwood	Nottinghamshire	East Midlands	ENG	301.7	188.3	241.7	567	455	1,022	189	152	341	104	152	137
E06000018	Nottingham	Nottinghamshire	East Midlands	ENG	407.8	233.7	311.7	1,100	850	1,950	367	283	650	5	14	11
E07000176	Rushcliffe	Nottinghamshire	East Midlands	ENG	261.2	150.3	200.9	467	409	876	156	136	292	234	299	294
E07000177	Cherwell	Oxfordshire	South East	ENG	233.1	148.1	186.1	462	394	856	154	131	285	273	338	208
E07000178	Oxford	Oxfordshire	South East	ENG	237.0	147.3	185.7	317	285	602	106	95	201	275	340	175
E07000179	South Oxfordshire	Oxfordshire	South East	ENG	217.3	135.7	172.0	474	410	884	158	137	295	290	355	283
E07000180	Vale of White Horse	Oxfordshire	South East	ENG	226.6	135.2	176.8	443	370	813	148	123	271	286	351	286
E07000181	West Oxfordshire	Oxfordshire	South East	ENG	238.2	130.7	177.4	420	327	747	140	109	249	284	349	281
E06000017	Rutland	Rutland	East Midlands	ENG	264.6	155.0	207.0	195	151	346	65	50	115	215	278	284
E06000051	Shropshire	Shropshire	West Midlands	ENG	259.5	164.5	208.9	1,477	1,246	2,723	492	415	908	209	271	167
E06000020	Telford and Wrekin	Shropshire	West Midlands	ENG	305.7	186.9	240.8	678	521	1,199	226	174	400	109	157	82
E06000022	Bath and North East Somerset	Somerset	South West	ENG	241.6	147.7	189.4	633	556	1,189	211	185	396	262	327	249
E06000024	North Somerset	Somerset	South West	ENG	224.5	152.4	186.6	800	761	1,561	267	254	520	271	336	187
E06000066	Somerset	Somerset	South West	ENG	280.1	169.9	220.3	2,699	2,297	4,996	900	766	1,665	174	231	150
E07000192	Cannock Chase	Staffordshire	West Midlands	ENG	302.7	232.8	269.0	402	398	800	134	133	267	40	70	126
E07000193	East Staffordshire	Staffordshire	West Midlands	ENG	307.1	180.6	236.0	476	387	863	159	129	288	125	177	138
E07000194	Lichfield	Staffordshire	West Midlands	ENG	260.9	172.8	209.8	430	382	812	143	127	271	204	266	234
E07000195	Newcastle-under-Lyme	Staffordshire	West Midlands	ENG	290.7	193.9	237.9	524	473	997	175	158	332	116	165	143
E07000196	South Staffordshire	Staffordshire	West Midlands	ENG	287.0	183.9	232.7	549	462	1,011	183	154	337	134	189	228
E07000197	Stafford	Staffordshire	West Midlands	ENG	275.4	173.5	221.7	602	493	1,095	201	164	365	168	225	220
E07000198	Staffordshire Moorlands	Staffordshire	West Midlands	ENG	319.7	174.2	237.0	518	386	904	173	129	301	122	172	196
E06000021	Stoke-on-Trent	Staffordshire	West Midlands	ENG	330.5	212.7	267.6	1,004	833	1,837	335	278	612	41	72	14
E07000199	Tamworth	Staffordshire	West Midlands	ENG	282.6	168.1	217.5	263	209	472	88	70	157	181	240	118
E07000200	Babergh	Suffolk	East of England	ENG	240.2	138.3	183.5	402	318	720	134	106	240	279	344	209
E07000244	East Suffolk	Suffolk	East of England	ENG	273.0	183.4	224.2	1,281	1,167	2,448	427	389	816	161	218	136
E07000202	Ipswich	Suffolk	East of England	ENG	275.5	200.1	236.3	455	452	907	152	151	302	124	176	69
E07000203	Mid Suffolk	Suffolk	East of England	ENG	253.6	157.8	200.9	441	360	801	147	120	267	235	300	227
E07000245	West Suffolk	Suffolk	East of England	ENG	268.8	172.8	216.2	690	612	1,302	230	204	434	185	246	179
E07000207	Elmbridge	Surrey	South East	ENG	249.3	158.4	197.2	447	458	905	149	153	302	246	311	291
E07000208	Epsom and Ewell	Surrey	South East	ENG	232.7	132.6	176.7	234	195	429	78	65	143	287	352	280
E07000209	Guildford	Surrey	South East	ENG	223.3	143.9	178.7	399	369	768	133	123	256	282	347	277
E07000210	Mole Valley	Surrey	South East	ENG	215.5	143.3	176.9	324	308	632	108	103	211	285	350	275
E07000211	Reigate and Banstead	Surrey	South East	ENG	231.5	150.8	188.0	446	447	893	149	149	298	265	330	259
E07000212	Runnymede	Surrey	South East	ENG	297.5	188.1	237.6	326	297	623	109	99	208	119	169	242
E07000213	Spelthorne	Surrey	South East	ENG	275.5	166.1	216.5	368	319	687	123	106	229	184	245	198

Table 1.21 Age-standardised death rates per 100,000 and number of deaths for heart and circulatory diseases (CVD), all ages by local authority, United Kingdom 2021/23

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					ALL AGES											
					Age-standardised CVD death rates per 100,000 - Annual Average (3-Year)			Total number of CVD deaths 2021/23			Average number of annual CVD deaths 2021/23			ASDR Rank (1 = highest death rate)		IMD - Rank** (1= most deprived)
LA Code	LA/DC/UA	Ceremonial County (Eng/Wal)	Region/Nation	4N	Men	Women	Total	Men	Women	Total	Men	Women	Total	4N	UK-wide	4N
E07000214	Surrey Heath	Surrey	South East	ENG	224.5	155.0	187.5	297	299	596	99	100	199	267	332	289
E07000215	Tandridge	Surrey	South East	ENG	247.6	144.9	190.3	324	274	598	108	91	199	261	326	246
E07000216	Waverley	Surrey	South East	ENG	233.5	139.3	180.3	477	454	931	159	151	310	281	346	293
E07000217	Woking	Surrey	South East	ENG	239.7	156.7	195.9	307	282	589	102	94	196	250	315	261
E08000037	Gateshead	Tyne & Wear	North East	ENG	328.5	199.5	257.4	872	722	1,594	291	241	531	62	100	46
E08000021	Newcastle upon Tyne	Tyne & Wear	North East	ENG	297.5	200.9	245.6	929	848	1,777	310	283	592	92	139	40
E08000022	North Tyneside	Tyne & Wear	North East	ENG	313.1	199.3	249.8	873	778	1,651	291	259	550	87	133	106
E08000023	South Tyneside	Tyne & Wear	North East	ENG	309.1	209.3	256.3	639	579	1,218	213	193	406	65	104	27
E08000024	Sunderland	Tyne & Wear	North East	ENG	299.6	170.8	228.0	1,113	836	1,949	371	279	650	147	203	34
E07000218	North Warwickshire	Warwickshire	West Midlands	ENG	319.4	194.7	252.9	311	244	555	104	81	185	76	120	160
E07000219	Nuneaton and Bedworth	Warwickshire	West Midlands	ENG	317.9	202.3	254.0	542	456	998	181	152	333	73	115	92
E07000220	Rugby	Warwickshire	West Midlands	ENG	286.3	161.7	219.4	433	311	744	144	104	248	178	235	215
E07000221	Stratford-on-Avon	Warwickshire	West Midlands	ENG	236.5	149.4	187.3	553	493	1,046	184	164	349	268	333	250
E07000222	Warwick	Warwickshire	West Midlands	ENG	240.4	167.1	201.6	477	463	940	159	154	313	233	297	243
E08000025	Birmingham	West Midlands	West Midlands	ENG	334.9	197.3	260.2	3,626	2,868	6,494	1,209	956	2,165	57	93	7
E08000026	Coventry	West Midlands	West Midlands	ENG	318.8	199.4	255.9	1,150	963	2,113	383	321	704	67	106	75
E08000027	Dudley	West Midlands	West Midlands	ENG	343.1	199.6	263.2	1,512	1,206	2,718	504	402	906	49	83	87
E08000028	Sandwell	West Midlands	West Midlands	ENG	393.3	233.3	306.2	1,363	1,090	2,453	454	363	818	6	19	12
E08000029	Solihull	West Midlands	West Midlands	ENG	266.7	157.1	205.6	847	717	1,564	282	239	521	217	280	165
E08000030	Walsall	West Midlands	West Midlands	ENG	351.6	225.6	283.5	1,217	1,042	2,259	406	347	753	20	40	25
E08000031	Wolverhampton	West Midlands	West Midlands	ENG	366.3	236.0	295.5	1,133	988	2,121	378	329	707	9	25	24
E07000223	Adur	West Sussex	South East	ENG	268.3	173.0	213.3	271	260	531	90	87	177	195	256	163
E07000224	Arun	West Sussex	South East	ENG	257.5	168.2	208.6	820	803	1,623	273	268	541	211	273	148
E07000225	Chichester	West Sussex	South East	ENG	284.7	141.2	202.7	654	485	1,139	218	162	380	228	292	216
E07000226	Crawley	West Sussex	South East	ENG	256.2	159.0	202.4	287	251	538	96	84	179	229	293	141
E07000227	Horsham	West Sussex	South East	ENG	228.9	147.5	184.0	540	498	1,038	180	166	346	277	342	272
E07000228	Mid Sussex	West Sussex	South East	ENG	252.8	152.5	195.9	555	501	1,056	185	167	352	251	316	292
E07000229	Worthing	West Sussex	South East	ENG	288.4	164.1	217.2	495	445	940	165	148	313	182	243	168
E06000030	Swindon	Wiltshire	South West	ENG	308.6	188.4	242.9	814	645	1,459	271	215	486	100	148	149
E06000054	Wiltshire	Wiltshire	South West	ENG	273.1	175.9	220.6	2,111	1,898	4,009	704	633	1,336	173	230	223
E07000234	Bromsgrove	Worcestershire	West Midlands	ENG	273.6	167.1	214.3	432	381	813	144	127	271	192	253	252
E07000235	Malvern Hills	Worcestershire	West Midlands	ENG	269.6	171.6	214.2	409	365	774	136	122	258	193	254	183
E07000236	Redditch	Worcestershire	West Midlands	ENG	298.8	181.8	230.9	295	239	534	98	80	178	137	192	102
E07000237	Worcester	Worcestershire	West Midlands	ENG	321.5	192.3	250.8	408	334	742	136	111	247	82	128	127
E07000238	Wychavon	Worcestershire	West Midlands	ENG	263.4	163.7	209.7	591	500	1,091	197	167	364	207	269	188
E07000239	Wyre Forest	Worcestershire	West Midlands	ENG	302.4	199.7	248.3	518	443	961	173	148	320	89	135	104
E06000011	East Riding of Yorkshire	Yorkshire (East Riding)	Yorkshire & The Humber	ENG	308.4	192.5	245.3	1,856	1,563	3,419	619	521	1,140	94	141	192
E06000010	Kingston upon Hull, City of	Yorkshire (East Riding)	Yorkshire & The Humber	ENG	403.8	239.0	314.0	1,129	850	1,979	376	283	660	3	12	4
E06000002	Middlesbrough	Yorkshire (North Yorkshire)	North East	ENG	338.6	222.7	274.2	552	480	1,032	184	160	344	32	57	5
E06000003	Redcar and Cleveland	Yorkshire (North Yorkshire)	North East	ENG	298.2	186.9	237.1	626	509	1,135	209	170	378	121	171	39
E06000065	North Yorkshire	Yorkshire (North Yorkshire)	Yorkshire & The Humber	ENG	282.8	176.0	224.2	2,929	2,490	5,419	976	830	1,806	162	219	201
E06000014	York	Yorkshire (North Yorkshire)	Yorkshire & The Humber	ENG	280.8	179.6	224.0	727	698	1,425	242	233	475	163	220	251
E08000016	Barnsley	Yorkshire (South Yorkshire)	Yorkshire & The Humber	ENG	330.3	220.2	271.2	1,059	895	1,954	353	298	651	36	63	37
E08000017	Doncaster	Yorkshire (South Yorkshire)	Yorkshire & The Humber	ENG	353.0	219.6	280.5	1,438	1,154	2,592	479	385	864	23	45	36
E08000018	Rotherham	Yorkshire (South Yorkshire)	Yorkshire & The Humber	ENG	335.8	221.5	275.1	1,204	993	2,197	401	331	732	31	56	43
E08000019	Sheffield	Yorkshire (South Yorkshire)	Yorkshire & The Humber	ENG	312.6	201.5	252.1	2,047	1,807	3,854	682	602	1,285	78	124	56
E08000032	Bradford	Yorkshire (West Yorkshire)	Yorkshire & The Humber	ENG	374.1	222.0	291.5	2,182	1,701	3,883	727	567	1,294	14	30	13
E08000033	Calderdale	Yorkshire (West Yorkshire)	Yorkshire & The Humber	ENG	336.0	201.3	263.4	871	705	1,576	290	235	525	48	82	65
E08000034	Kirklees	Yorkshire (West Yorkshire)	Yorkshire & The Humber	ENG	340.4	213.2	271.0	1,771	1,467	3,238	590	489	1,079	38	66	80

Table 1.21 Age-standardised death rates per 100,000 and number of deaths for heart and circulatory diseases (CVD), all ages by local authority, United Kingdom 2021/23

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LA CodeLA/DC/UA Ceremonial County (Eng/Wal) Region/Nation 4N					ALL AGES											
					Age-standardised CVD death rates per 100,000 - Annual Average (3-Year)			Total number of CVD deaths 2021/23			Average number of annual CVD deaths 2021/23			ASDR Rank (1 = highest death rate)		IMD - Rank** (1= most deprived)
					Men	Women	Total	Men	Women	Total	Men	Women	Total	4N	UK-wide	4N
E08000035	Leeds	Yorkshire (West Yorkshire)	Yorkshire & The Humber	ENG	308.5	184.2	239.4	2,677	2,215	4,892	892	738	1,631	113	161	54
E08000036	Wakefield	Yorkshire (West Yorkshire)	Yorkshire & The Humber	ENG	308.2	191.8	244.9	1,367	1,104	2,471	456	368	824	95	142	53
N09000001	Antrim and Newtownabbey		Northern Ireland	NI	248.7	178.7	210.0	413	406	819	138	135	273	8	264	10
N09000011	Ards and North Down		Northern Ireland	NI	246.1	167.9	203.2	563	540	1,103	188	180	368	10	291	9
N09000002	Armagh City, Banbridge and Craigavon		Northern Ireland	NI	257.1	170.6	208.0	582	541	1,123	194	180	374	9	276	7
N09000003	Belfast		Northern Ireland	NI	324.9	200.1	253.7	1,100	1,008	2,108	367	336	703	1	117	4
N09000004	Causeway Coast and Glens		Northern Ireland	NI	291.4	188.5	235.2	520	454	974	173	151	325	5	181	5
N09000005	Derry City and Strabane		Northern Ireland	NI	317.4	181.1	239.1	472	345	817	157	115	272	3	162	1
N09000006	Fermanagh and Omagh		Northern Ireland	NI	290.6	187.2	236.6	406	347	753	135	116	251	4	174	2
N09000007	Lisburn and Castlereagh		Northern Ireland	NI	232.6	174.9	201.3	406	437	843	135	146	281	11	298	11
N09000008	Mid and East Antrim		Northern Ireland	NI	294.9	187.7	234.9	523	464	987	174	155	329	6	183	8
N09000009	Mid Ulster		Northern Ireland	NI	294.1	202.5	244.2	429	402	831	143	134	277	2	143	6
N09000010	Newry, Mourne and Down		Northern Ireland	NI	275.1	175.0	218.7	538	468	1,006	179	156	335	7	237	3
S12000033	Aberdeen City		Scotland	SCO	335.0	227.9	277.7	849	790	1,639	283	263	546	19	49	26
S12000034	Aberdeenshire		Scotland	SCO	311.7	211.4	257.1	1,117	958	2,075	372	319	692	27	101	30
S12000041	Angus		Scotland	SCO	316.0	232.6	269.1	586	578	1,164	195	193	388	22	68	20
S12000035	Argyll and Bute		Scotland	SCO	309.2	240.2	274.1	462	461	923	154	154	308	21	58	19
S12000036	City of Edinburgh		Scotland	SCO	334.8	210.9	266.4	1,848	1,662	3,510	616	554	1,170	24	76	29
S12000005	Clackmannanshire		Scotland	SCO	429.0	290.3	353.2	288	243	531	96	81	177	1	1	8
S12000006	Dumfries and Galloway		Scotland	SCO	352.3	235.0	289.8	904	775	1,679	301	258	560	16	34	12
S12000042	Dundee City		Scotland	SCO	405.8	227.6	306.8	723	567	1,290	241	189	430	11	18	6
S12000008	East Ayrshire		Scotland	SCO	441.9	278.3	352.3	719	578	1,297	240	193	432	2	2	7
S12000045	East Dunbartonshire		Scotland	SCO	265.6	195.1	227.1	454	478	932	151	159	311	31	207	31
S12000010	East Lothian		Scotland	SCO	286.5	214.8	247.3	442	447	889	147	149	296	30	136	22
S12000011	East Renfrewshire		Scotland	SCO	254.5	187.3	217.3	350	383	733	117	128	244	32	242	32
S12000014	Falkirk		Scotland	SCO	378.1	261.8	314.2	751	675	1,426	250	225	475	8	11	16
S12000047	Fife		Scotland	SCO	369.0	243.9	300.5	1,896	1,667	3,563	632	556	1,188	12	22	17
S12000049	Glasgow City		Scotland	SCO	430.3	286.0	352.1	2,501	2,241	4,742	834	747	1,581	3	3	2
S12000017	Highland		Scotland	SCO	350.5	226.8	283.0	1,237	1,059	2,296	412	353	765	18	41	18
S12000018	Inverclyde		Scotland	SCO	386.1	233.4	298.6	414	370	784	138	123	261	14	24	4
S12000019	Midlothian		Scotland	SCO	323.1	222.4	268.2	374	333	707	125	111	236	23	71	14
S12000020	Moray		Scotland	SCO	366.1	244.1	300.4	507	446	953	169	149	318	13	23	23
S12000013	Na h-Eileanan Siar		Scotland	SCO	378.3	271.4	324.1	171	168	339	57	56	113	6	8	10
S12000021	North Ayrshire		Scotland	SCO	377.4	275.7	322.3	742	713	1,455	247	238	485	7	9	3
S12000050	North Lanarkshire		Scotland	SCO	412.9	273.9	335.5	1,590	1,371	2,961	530	457	987	5	7	5
S12000023	Orkney Islands		Scotland	SCO	304.9	206.8	252.3	111	99	210	37	33	70	29	122	24
S12000048	Perth and Kinross		Scotland	SCO	314.2	200.8	252.9	786	664	1,450	262	221	483	28	121	28
S12000038	Renfrewshire		Scotland	SCO	376.3	251.6	308.7	887	791	1,678	296	264	559	9	16	9
S12000026	Scottish Borders		Scotland	SCO	307.8	222.6	263.2	621	569	1,190	207	190	397	26	84	21
S12000027	Shetland Islands		Scotland	SCO	336.6	200.7	263.7	110	81	191	37	27	64	25	81	25
S12000028	South Ayrshire		Scotland	SCO	372.0	250.7	306.8	708	655	1,363	236	218	454	10	17	13
S12000029	South Lanarkshire		Scotland	SCO	363.4	233.8	291.4	1,523	1,317	2,840	508	439	947	15	31	11
S12000030	Stirling		Scotland	SCO	334.4	228.6	275.2	410	379	789	137	126	263	20	55	27
S12000039	West Dunbartonshire		Scotland	SCO	406.2	280.9	338.1	446	414	860	149	138	287	4	5	1
S12000040	West Lothian		Scotland	SCO	343.4	239.3	287.7	701	600	1,301	234	200	434	17	36	15
W06000003	Conwy	Clwyd	Wales / Cymru	WAL	326.3	199.9	254.9	678	581	1,256	226	194	419	13	111	17
W06000004	Denbighshire / Sir Ddinbych	Clwyd	Wales / Cymru	WAL	356.1	217.4	280.9	567	453	1,023	189	151	341	4	43	9
W06000005	Flintshire / Sir y Fflint	Clwyd	Wales / Cymru	WAL	323.7	199.2	259.0	724	564	1,298	241	188	433	12	96	20
W06000006	Wrexham / Wrecsam	Clwyd	Wales / Cymru	WAL	338.4	210.7	271.0	631	504	1,145	210	168	382	7	65	14

Table 1.21 Age-standardised death rates per 100,000 and number of deaths for heart and circulatory diseases (CVD), all ages by local authority, United Kingdom 2021/23

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					ALL AGES											
					Age-standardised CVD death rates per 100,000 - Annual Average (3-Year)			Total number of CVD deaths 2021/23			Average number of annual CVD deaths 2021/23			ASDR Rank (1 = highest death rate)		IMD - Rank** (1= most deprived)
LA Code	LA/DC/UA	Ceremonial County (Eng/Wal)	Region/Nation	4N	Men	Women	Total	Men	Women	Total	Men	Women	Total	4N	UK-wide	4N
W06000010	Carmarthenshire / Sir Gaerfyrddin	Dyfed	Wales / Cymru	WAL	320.7	210.7	259.8	958	839	1,793	319	280	598	11	94	8
W06000008	Ceredigion	Dyfed	Wales / Cymru	WAL	293.1	182.3	236.8	362	293	664	121	98	221	18	173	16
W06000009	Pembrokeshire / Sir Benfro	Dyfed	Wales / Cymru	WAL	328.2	192.5	254.0	691	553	1,246	230	184	415	16	116	12
W06000019	Blaenau Gwent	Gwent	Wales / Cymru	WAL	400.7	291.0	337.9	358	322	676	119	107	225	1	6	1
W06000018	Caerphilly / Caerffili	Gwent	Wales / Cymru	WAL	381.9	250.9	310.8	877	734	1,614	292	245	538	2	15	6
W06000021	Monmouthshire / Sir Fynwy	Gwent	Wales / Cymru	WAL	280.5	164.0	217.4	470	374	842	157	125	281	22	241	22
W06000022	Newport / Casnewydd	Gwent	Wales / Cymru	WAL	345.9	223.3	279.0	652	552	1,201	217	184	400	5	47	5
W06000020	Torfaen / Tor-faen	Gwent	Wales / Cymru	WAL	330.7	192.7	254.0	420	322	741	140	107	247	15	114	7
W06000002	Gwynedd	Gwynedd	Wales / Cymru	WAL	326.2	186.5	254.0	601	492	1,102	200	164	367	14	113	18
W06000001	Isle of Anglesey / Ynys Môn	Gwynedd	Wales / Cymru	WAL	311.6	219.9	266.4	378	353	736	126	118	245	9	77	15
W06000013	Bridgend / Pen-y-bont ar Ogwr	Mid Glamorgan / Morgannwg Ganol	Wales / Cymru	WAL	263.1	200.0	233.1	547	526	1,082	182	175	361	19	188	10
W06000024	Merthyr Tydfil / Merthyr Tudful	Mid Glamorgan / Morgannwg Ganol	Wales / Cymru	WAL	365.0	213.0	287.0	275	196	478	92	65	159	3	37	2
W06000016	Rhondda Cynon Taf / Rhondda Cynon Taf	Mid Glamorgan / Morgannwg Ganol	Wales / Cymru	WAL	332.5	217.5	271.7	1,032	858	1,896	344	286	632	6	62	4
W06000023	Powys	Powys	Wales / Cymru	WAL	304.8	173.0	237.7	755	578	1,345	252	193	448	17	168	19
W06000015	Cardiff / Caerdydd	South Glamorgan / De Morgannwg	Wales / Cymru	WAL	304.0	168.7	228.4	1,100	844	1,948	367	281	649	20	200	11
W06000014	Vale of Glamorgan / Bro Morgannwg	South Glamorgan / De Morgannwg	Wales / Cymru	WAL	286.3	158.8	218.2	544	427	979	181	142	326	21	239	21
W06000012	Neath Port Talbot / Castell-nedd Port Talbot	West Glamorgan / Gorllewin Morgannwg	Wales / Cymru	WAL	342.1	209.9	269.1	674	547	1,222	225	182	407	8	67	3
W06000011	Swansea / Abertawe	West Glamorgan / Gorllewin Morgannwg	Wales / Cymru	WAL	345.0	191.8	260.7	1,142	861	2,002	381	287	667	10	90	13

Notes:

ICD-10 codes I00-I99. Directly age-standardised using the 2013 European Standard Population. Some of the data for England and Wales have been suppressed.

UK local authorities correct May 2025

* indicates number of deaths considered too small to calculate rate. City of London and Isles of Scilly excluded from ASDR analysis - sui generis status (small population)

**Average IMD ranks calculated with different methodology, depending on nation. For England, we have used the rank of average lower super output area (LSOA) score, to align with the Office for Health Improvement and Disparities (OHID) Fingertips rankings

For Scotland, Wales, and Northern Ireland, we have used population-weighted average rank of all the small census areas in each local authority area, in line with previous editions of the Compendium.

Northern Ireland death rates (columns F, G & H) are provisional as local population estimates for 2023 were not available when this analysis was finalised - updates to follow at a later date.

Citation:

BHF (2025) Analysis of official UK mortality data

Source:

England: Number of deaths and mortality rates are taken from OHID's Mortality Profile

Wales: Number of deaths are taken from Nomis Mortality Statistics, mortality rates calculated by the BHF

Scotland: Mortality rates calculated in partnership with NRS (National Records of Scotland)

Northern Ireland: Mortality rates calculated in partnership with Northern Ireland Statistics and Research Agency

England: Rankings from OHID Fingertips; original source data - English Indices of Deprivation

Wales: Average IMD ranks calculated from Welsh Index of Multiple Deprivation

Scotland: Average IMD ranks calculated from Scottish Index of Multiple Deprivation

Northern Ireland: Average IMD ranks calculated from Northern Ireland Multiple Deprivation Measures

<https://fingertips.phe.org.uk/profile/mortality-profile/>

<https://www.nomisweb.co.uk/datasets/mortsa>

<https://www.gov.uk/government/statistics/english-indices-of-deprivation-2019>

<https://statswales.gov.wales/Catalogue/Community-Safety-and-Social-Inclusion/Welsh-Index-of-Multiple-Deprivation>

<https://www.gov.scot/collections/scottish-index-of-multiple-deprivation-2020/>

<https://www.nisra.gov.uk/statistics/deprivation>

Table 1.22 Age-standardised death rates per 100,000 and number of deaths for heart and circulatory diseases (CVD), under 75s by local authority, United Kingdom 2021/23

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					UNDER 75											
					Age-standardised premature CVD death rates per 100,000 - Annual			Total number of premature CVD deaths - 2021/23			Average number of annual prem CVD deaths - 2021/23			ASDR Rank (1 = highest death rate)		IMD - Rank** (1= most deprived)
LA Code	LA/DC/UA	Ceremonial County (Eng/Wal)	Region/Nation	4N	Men	Women	Total	Men	Women	Total	Men	Women	Total	4N	UK-wide	4N
E06000055	Bedford	Bedfordshire	East of England	ENG	104.6	44.8	73.8	235	107	342	78	36	114	135	182	142
E06000056	Central Bedfordshire	Bedfordshire	East of England	ENG	88.7	38.1	62.7	341	154	495	114	51	165	206	264	240
E06000032	Luton	Bedfordshire	East of England	ENG	123.3	56.8	90.3	279	123	402	93	41	134	67	95	68
E06000036	Bracknell Forest	Berkshire	South East	ENG	90.8	40.8	65.1	136	63	199	45	21	66	191	248	267
E06000038	Reading	Berkshire	South East	ENG	115.8	50.9	82.9	195	87	282	65	29	94	98	137	134
E06000039	Slough	Berkshire	South East	ENG	148.5	67.1	107.9	216	96	312	72	32	104	21	31	99
E06000037	West Berkshire	Berkshire	South East	ENG	75.6	36.2	55.5	167	84	251	56	28	84	254	319	271
E06000040	Windsor and Maidenhead	Berkshire	South East	ENG	76.3	30.5	52.7	149	63	212	50	21	71	266	331	285
E06000041	Wokingham	Berkshire	South East	ENG	75.6	33.1	53.9	163	74	237	54	25	79	262	327	295
E06000023	Bristol, City of	Bristol	South West	ENG	124.3	50.8	87.1	576	242	818	192	81	273	77	110	64
E06000060	Buckinghamshire	Buckinghamshire	South East	ENG	82.8	29.7	55.4	588	225	813	196	75	271	255	320	269
E06000042	Milton Keynes	Buckinghamshire	South East	ENG	86.3	46.8	65.9	280	161	441	93	54	147	186	242	158
E07000008	Cambridge	Cambridgeshire	East of England	ENG	92.1	34.0	62.5	115	43	158	38	14	53	210	269	200
E07000009	East Cambridgeshire	Cambridgeshire	East of England	ENG	61.8	39.8	50.5	76	52	128	25	17	43	272	337	256
E07000010	Fenland	Cambridgeshire	East of England	ENG	131.3	54.2	91.7	195	86	281	65	29	94	61	88	77
E07000011	Huntingdonshire	Cambridgeshire	East of England	ENG	84.9	47.6	65.7	213	126	339	71	42	113	188	244	235
E06000031	Peterborough	Cambridgeshire	East of England	ENG	139.3	45.8	90.9	318	111	429	106	37	143	65	92	50
E07000012	South Cambridgeshire	Cambridgeshire	East of England	ENG	83.6	27.4	54.4	177	63	240	59	21	80	257	322	282
E06000049	Cheshire East	Cheshire	North West	ENG	101.4	46.7	73.3	588	287	875	196	96	292	138	185	207
E06000050	Cheshire West and Chester	Cheshire	North West	ENG	107.8	43.8	74.9	543	235	778	181	78	259	129	175	154
E06000006	Halton	Cheshire	North West	ENG	149.1	74.8	110.8	263	142	405	88	47	135	15	24	23
E06000007	Warrington	Cheshire	North West	ENG	121.5	66.2	93.4	349	194	543	116	65	181	51	77	140
E06000052	Cornwall	Cornwall	South West	ENG	102.1	44.2	72.0	913	436	1,349	304	145	450	152	202	97
E06000053	Isles of Scilly	Cornwall	South West	ENG	*	*	*	*	*	*	*	*	*	*	*	243
E06000047	County Durham	County Durham	North East	ENG	123.9	59.8	91.1	944	481	1,425	315	160	475	63	90	61
E06000005	Darlington	County Durham	North East	ENG	118.7	49.2	83.1	180	79	259	60	26	86	97	136	74
E06000001	Hartlepool	County Durham	North East	ENG	114.8	67.3	90.5	153	92	245	51	31	82	66	93	10
E06000004	Stockton-on-Tees	County Durham	North East	ENG	104.1	50.5	76.6	281	143	424	94	48	141	119	164	71
E06000063	Cumberland	Cumbria	North West	ENG	116.5	58.2	86.9	497	252	749	166	84	250	78	111	96
E06000064	Westmorland and Furness	Cumbria	North West	ENG	100.3	43.0	71.1	366	166	532	122	55	177	160	211	139
E07000032	Amber Valley	Derbyshire	East Midlands	ENG	108.9	35.3	71.5	209	71	280	70	24	93	158	208	159
E07000033	Bolsover	Derbyshire	East Midlands	ENG	123.0	60.2	91.2	142	71	213	47	24	71	62	89	81
E07000034	Chesterfield	Derbyshire	East Midlands	ENG	112.8	60.7	86.2	173	96	269	58	32	90	79	113	83
E06000015	Derby	Derbyshire	East Midlands	ENG	132.3	53.3	92.1	401	168	569	134	56	190	60	87	66
E07000035	Derbyshire Dales	Derbyshire	East Midlands	ENG	92.2	39.1	65.0	114	50	164	38	17	55	193	250	247
E07000036	Erewash	Derbyshire	East Midlands	ENG	100.9	60.0	79.9	159	98	257	53	33	86	107	150	145
E07000037	High Peak	Derbyshire	East Midlands	ENG	109.6	42.5	75.8	155	63	218	52	21	73	123	169	191
E07000038	North East Derbyshire	Derbyshire	East Midlands	ENG	90.8	39.8	64.6	144	68	212	48	23	71	194	251	164
E07000039	South Derbyshire	Derbyshire	East Midlands	ENG	105.7	42.3	73.2	155	65	220	52	22	73	139	186	206
E07000040	East Devon	Devon	South West	ENG	65.9	33.4	48.7	156	91	247	52	30	82	283	348	233
E07000041	Exeter	Devon	South West	ENG	99.8	37.2	67.2	143	57	200	48	19	67	177	233	180
E07000042	Mid Devon	Devon	South West	ENG	69.4	28.5	48.3	89	39	128	30	13	43	284	349	169
E07000043	North Devon	Devon	South West	ENG	102.1	49.5	75.0	160	82	242	53	27	81	128	174	124
E06000026	Plymouth	Devon	South West	ENG	131.5	55.2	92.3	436	195	631	145	65	210	59	85	63
E07000044	South Hams	Devon	South West	ENG	63.9	26.2	44.3	100	41	141	33	14	47	291	356	219
E07000045	Teignbridge	Devon	South West	ENG	83.2	41.4	61.3	183	100	283	61	33	94	224	284	185
E06000027	Torbay	Devon	South West	ENG	131.4	41.4	85.3	285	98	383	95	33	128	86	122	47
E07000046	Torridge	Devon	South West	ENG	70.8	47.8	58.7	81	60	141	27	20	47	233	295	94
E07000047	West Devon	Devon	South West	ENG	92.9	33.2	62.3	91	38	129	30	13	43	212	271	155

Table 1.22 Age-standardised death rates per 100,000 and number of deaths for heart and circulatory diseases (CVD), under 75s by local authority, United Kingdom 2021/23

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					UNDER 75											
					Age-standardised premature CVD death rates per 100,000 - Annual			Total number of premature CVD deaths - 2021/23			Average number of annual prem CVD deaths - 2021/23			ASDR Rank (1 = highest death rate)		IMD - Rank** (1= most deprived)
LA Code	LA/DC/UA	Ceremonial County (Eng/Wal)	Region/Nation	4N	Men	Women	Total	Men	Women	Total	Men	Women	Total	4N	UK-wide	4N
E06000058	Bournemouth, Christchurch and Poole	Dorset	South West	ENG	105.6	36.5	69.8	557	209	766	186	70	255	167	221	153
E06000059	Dorset	Dorset	South West	ENG	76.0	37.7	56.0	489	266	755	163	89	252	248	313	190
E06000043	Brighton and Hove	East Sussex	South East	ENG	106.3	33.2	69.3	331	103	434	110	34	145	169	223	123
E07000061	Eastbourne	East Sussex	South East	ENG	109.5	46.0	75.9	156	72	228	52	24	76	122	168	109
E07000062	Hastings	East Sussex	South East	ENG	126.9	54.6	89.7	164	74	238	55	25	79	70	98	17
E07000063	Lewes	East Sussex	South East	ENG	90.7	27.2	57.5	138	47	185	46	16	62	241	304	189
E07000064	Rother	East Sussex	South East	ENG	80.6	36.6	57.3	131	67	198	44	22	66	242	305	131
E07000065	Wealden	East Sussex	South East	ENG	71.8	29.1	49.3	182	81	263	61	27	88	281	346	238
E07000066	Basildon	Essex	East of England	ENG	99.2	48.2	72.6	220	117	337	73	39	112	146	194	95
E07000067	Braintree	Essex	East of England	ENG	93.0	52.2	72.0	199	120	319	66	40	106	153	203	202
E07000068	Brentwood	Essex	East of England	ENG	81.5	36.8	58.3	80	39	119	27	13	40	236	299	270
E07000069	Castle Point	Essex	East of England	ENG	90.9	32.8	60.4	116	48	164	39	16	55	227	289	171
E07000070	Chelmsford	Essex	East of England	ENG	87.2	40.7	63.3	202	101	303	67	34	101	203	261	239
E07000071	Colchester	Essex	East of England	ENG	89.6	45.8	66.8	207	115	322	69	38	107	178	234	174
E07000072	Epping Forest	Essex	East of England	ENG	98.9	35.0	65.7	172	66	238	57	22	79	189	245	195
E07000073	Harlow	Essex	East of England	ENG	128.9	60.2	93.6	136	64	200	45	21	67	50	76	117
E07000074	Maldon	Essex	East of England	ENG	78.9	33.6	55.8	86	38	124	29	13	41	250	315	213
E07000075	Rochford	Essex	East of England	ENG	93.7	32.2	61.5	114	44	158	38	15	53	220	279	265
E06000033	Southend-on-Sea	Essex	East of England	ENG	117.7	43.8	79.5	270	108	378	90	36	126	111	154	105
E07000076	Tendring	Essex	East of England	ENG	119.6	53.0	84.9	291	144	435	97	48	145	91	127	35
E06000034	Thurrock	Essex	East of England	ENG	111.0	61.9	85.9	208	118	326	69	39	109	84	118	120
E07000077	Uttlesford	Essex	East of England	ENG	65.2	26.5	45.4	84	36	120	28	12	40	288	353	278
E07000078	Cheltenham	Gloucestershire	South West	ENG	111.6	40.5	75.1	167	64	231	56	21	77	127	173	210
E07000079	Cotswold	Gloucestershire	South West	ENG	80.5	30.1	54.3	114	46	160	38	15	53	258	323	260
E07000080	Forest of Dean	Gloucestershire	South West	ENG	106.6	40.5	72.8	145	58	203	48	19	68	141	188	156
E07000081	Gloucester	Gloucestershire	South West	ENG	140.4	57.6	98.2	224	94	318	75	31	106	40	62	112
E06000025	South Gloucestershire	Gloucestershire	South West	ENG	85.7	31.3	57.8	309	120	429	103	40	143	240	303	253
E07000082	Stroud	Gloucestershire	South West	ENG	83.8	32.2	57.2	156	65	221	52	22	74	244	307	262
E07000083	Tewkesbury	Gloucestershire	South West	ENG	91.5	42.1	65.8	124	61	185	41	20	62	187	243	241
E09000002	Barking and Dagenham	Greater London	London	ENG	159.6	75.9	115.7	277	142	419	92	47	140	8	15	21
E09000003	Barnet	Greater London	London	ENG	86.1	32.0	57.8	361	142	503	120	47	168	239	302	181
E09000004	Bexley	Greater London	London	ENG	98.4	40.8	68.4	280	127	407	93	42	136	173	227	178
E09000005	Brent	Greater London	London	ENG	126.8	47.8	85.4	425	173	598	142	58	199	85	121	76
E09000006	Bromley	Greater London	London	ENG	91.8	37.7	63.4	359	163	522	120	54	174	202	260	214
E09000007	Camden	Greater London	London	ENG	104.8	41.4	71.1	203	95	298	68	32	99	159	210	130
E09000001	City of London	Greater London	London	ENG	*	*	*	*	*	*	*	*	*	*	*	203
E09000008	Croydon	Greater London	London	ENG	120.8	50.6	83.8	505	232	737	168	77	246	95	133	103
E09000009	Ealing	Greater London	London	ENG	120.6	41.6	79.8	460	163	623	153	54	208	108	151	100
E09000010	Enfield	Greater London	London	ENG	107.4	43.3	73.5	374	165	539	125	55	180	137	184	72
E09000011	Greenwich	Greater London	London	ENG	118.6	55.7	86.2	319	152	471	106	51	157	80	114	84
E09000012	Hackney	Greater London	London	ENG	155.7	50.8	99.7	320	119	439	107	40	146	35	56	22
E09000013	Hammersmith and Fulham	Greater London	London	ENG	104.8	42.3	71.0	163	78	241	54	26	80	161	212	107
E09000014	Haringey	Greater London	London	ENG	123.8	52.9	85.9	312	149	461	104	50	154	83	117	48
E09000015	Harrow	Greater London	London	ENG	94.2	31.9	61.7	272	100	372	91	33	124	218	277	197
E09000016	Havering	Greater London	London	ENG	93.4	40.9	66.1	291	138	429	97	46	143	183	239	173
E09000017	Hillingdon	Greater London	London	ENG	112.3	36.9	74.0	363	119	482	121	40	161	134	181	152
E09000018	Hounslow	Greater London	London	ENG	107.4	45.2	75.6	318	135	453	106	45	151	124	170	115
E09000019	Islington	Greater London	London	ENG	119.9	53.5	85.2	221	100	321	74	33	107	88	124	52
E09000020	Kensington and Chelsea	Greater London	London	ENG	88.4	24.9	53.9	139	45	184	46	15	61	261	326	114

Table 1.22 Age-standardised death rates per 100,000 and number of deaths for heart and circulatory diseases (CVD), under 75s by local authority, United Kingdom 2021/23

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					UNDER 75											
					Age-standardised premature CVD death rates per 100,000 - Annual			Total number of premature CVD deaths - 2021/23			Average number of annual prem CVD deaths - 2021/23			ASDR Rank (1 = highest death rate)		IMD - Rank** (1= most deprived)
LA Code	LA/DC/UA	Ceremonial County (Eng/Wal)	Region/Nation	4N	Men	Women	Total	Men	Women	Total	Men	Women	Total	4N	UK-wide	4N
E09000021	Kingston upon Thames	Greater London	London	ENG	90.9	29.9	59.3	167	59	226	56	20	75	230	292	257
E09000022	Lambeth	Greater London	London	ENG	112.3	47.0	78.1	311	138	449	104	46	150	114	158	78
E09000023	Lewisham	Greater London	London	ENG	130.2	59.3	92.4	336	171	507	112	57	169	57	83	62
E09000024	Merton	Greater London	London	ENG	86.3	30.0	56.7	187	69	256	62	23	85	246	311	204
E09000025	Newham	Greater London	London	ENG	134.8	53.2	92.7	397	159	556	132	53	185	55	81	42
E09000026	Redbridge	Greater London	London	ENG	106.2	47.3	75.9	325	150	475	108	50	158	121	167	166
E09000027	Richmond upon Thames	Greater London	London	ENG	70.2	26.4	47.4	164	66	230	55	22	77	285	350	276
E09000028	Southwark	Greater London	London	ENG	120.5	47.7	82.3	301	131	432	100	44	144	100	139	70
E09000029	Sutton	Greater London	London	ENG	89.8	35.2	61.4	209	89	298	70	30	99	222	282	217
E09000030	Tower Hamlets	Greater London	London	ENG	154.9	57.3	105.3	296	105	401	99	35	134	25	38	49
E09000031	Waltham Forest	Greater London	London	ENG	113.5	51.9	80.9	285	141	426	95	47	142	104	145	79
E09000032	Wandsworth	Greater London	London	ENG	87.5	38.5	61.3	221	111	332	74	37	111	223	283	176
E09000033	Westminster	Greater London	London	ENG	79.5	31.7	54.5	160	70	230	53	23	77	256	321	129
E08000001	Bolton	Greater Manchester	North West	ENG	155.9	66.0	110.3	574	249	823	191	83	274	17	26	33
E08000002	Bury	Greater Manchester	North West	ENG	135.2	58.3	95.8	335	153	488	112	51	163	47	71	91
E08000003	Manchester	Greater Manchester	North West	ENG	161.8	75.9	119.1	791	350	1,141	264	117	380	3	9	6
E08000004	Oldham	Greater Manchester	North West	ENG	148.0	65.8	106.0	418	193	611	139	64	204	24	37	19
E08000005	Rochdale	Greater Manchester	North West	ENG	156.8	73.0	113.9	430	210	640	143	70	213	11	19	15
E08000006	Salford	Greater Manchester	North West	ENG	156.7	64.5	110.6	441	179	620	147	60	207	16	25	18
E08000007	Stockport	Greater Manchester	North West	ENG	107.1	47.5	76.5	416	197	613	139	66	204	120	166	122
E08000008	Tameside	Greater Manchester	North West	ENG	137.0	65.0	100.3	411	202	613	137	67	204	34	52	28
E08000009	Trafford	Greater Manchester	North West	ENG	108.3	47.2	76.9	311	143	454	104	48	151	116	161	182
E08000010	Wigan	Greater Manchester	North West	ENG	136.3	62.0	98.6	613	288	901	204	96	300	39	60	73
E07000084	Basingstoke and Deane	Hampshire	South East	ENG	74.8	40.5	57.2	176	100	276	59	33	92	243	306	232
E07000085	East Hampshire	Hampshire	South East	ENG	61.6	25.5	42.9	115	52	167	38	17	56	293	358	266
E07000086	Eastleigh	Hampshire	South East	ENG	84.4	29.5	55.8	149	57	206	50	19	69	252	317	268
E07000087	Fareham	Hampshire	South East	ENG	75.1	27.1	50.1	129	49	178	43	16	59	278	343	279
E07000088	Gosport	Hampshire	South East	ENG	107.3	42.3	73.6	125	52	177	42	17	59	136	183	125
E07000089	Hart	Hampshire	South East	ENG	55.5	30.4	42.4	71	42	113	24	14	38	294	359	296
E07000090	Havant	Hampshire	South East	ENG	100.7	40.7	69.6	186	79	265	62	26	88	168	222	113
E07000091	New Forest	Hampshire	South East	ENG	73.3	29.1	50.2	205	92	297	68	31	99	276	341	229
E06000044	Portsmouth	Hampshire	South East	ENG	125.1	52.6	88.2	286	123	409	95	41	136	75	106	58
E07000092	Rushmoor	Hampshire	South East	ENG	95.8	62.9	78.7	106	76	182	35	25	61	112	156	184
E06000045	Southampton	Hampshire	South East	ENG	126.9	59.4	93.0	334	155	489	111	52	163	54	80	60
E07000093	Test Valley	Hampshire	South East	ENG	83.9	34.1	58.4	153	66	219	51	22	73	235	298	245
E07000094	Winchester	Hampshire	South East	ENG	78.7	24.2	50.4	134	44	178	45	15	59	273	338	274
E06000019	Herefordshire, County of	Herefordshire	West Midlands	ENG	100.1	45.4	71.9	301	145	446	100	48	149	154	204	144
E07000095	Broxbourne	Hertfordshire	East of England	ENG	90.9	37.5	62.6	104	48	152	35	16	51	208	266	157
E07000096	Dacorum	Hertfordshire	East of England	ENG	88.3	37.6	62.2	168	76	244	56	25	81	216	275	230
E07000242	East Hertfordshire	Hertfordshire	East of England	ENG	81.8	43.9	62.3	160	91	251	53	30	84	213	272	288
E07000098	Hertsmere	Hertfordshire	East of England	ENG	83.5	31.7	56.2	108	45	153	36	15	51	247	312	218
E07000099	North Hertfordshire	Hertfordshire	East of England	ENG	94.7	37.7	65.1	162	69	231	54	23	77	192	249	254
E07000240	St Albans	Hertfordshire	East of England	ENG	62.2	31.7	46.4	109	59	168	36	20	56	287	352	287
E07000243	Stevenage	Hertfordshire	East of England	ENG	98.2	48.1	72.8	101	50	151	34	17	50	140	187	132
E07000102	Three Rivers	Hertfordshire	East of England	ENG	75.7	25.5	49.7	88	32	120	29	11	40	280	345	273
E07000103	Watford	Hertfordshire	East of England	ENG	85.2	41.0	62.6	87	43	130	29	14	43	209	267	193
E07000241	Welwyn Hatfield	Hertfordshire	East of England	ENG	84.3	37.0	60.0	113	52	165	38	17	55	229	291	212
E06000046	Isle of Wight	Isle of Wight	South East	ENG	90.1	44.0	65.9	215	114	329	72	38	110	184	240	93
E07000105	Ashford	Kent	South East	ENG	84.1	45.3	64.0	147	86	233	49	29	78	199	257	151

Table 1.22 Age-standardised death rates per 100,000 and number of deaths for heart and circulatory diseases (CVD), under 75s by local authority, United Kingdom 2021/23

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					UNDER 75											
					Age-standardised premature CVD death rates per 100,000 - Annual			Total number of premature CVD deaths - 2021/23			Average number of annual prem CVD deaths - 2021/23			ASDR Rank (1 = highest death rate)		IMD - Rank** (1= most deprived)
LA Code	LA/DC/UA	Ceremonial County (Eng/Wal)	Region/Nation	4N	Men	Women	Total	Men	Women	Total	Men	Women	Total	4N	UK-wide	4N
E07000106	Canterbury	Kent	South East	ENG	101.7	39.8	69.3	211	93	304	70	31	101	170	224	172
E07000107	Dartford	Kent	South East	ENG	90.7	33.8	61.4	111	46	157	37	15	52	221	281	146
E07000108	Dover	Kent	South East	ENG	99.7	44.0	70.8	176	84	260	59	28	87	162	213	108
E07000112	Folkestone and Hythe (Shepway)	Kent	South East	ENG	100.5	44.6	71.7	168	81	249	56	27	83	155	205	86
E07000109	Gravesham	Kent	South East	ENG	137.2	52.0	93.1	173	70	243	58	23	81	53	79	116
E07000110	Maidstone	Kent	South East	ENG	95.0	33.1	63.3	217	80	297	72	27	99	204	262	177
E06000035	Medway	Kent	South East	ENG	125.8	53.4	88.7	430	192	622	143	64	207	74	104	89
E07000111	Sevenoaks	Kent	South East	ENG	83.9	29.8	55.8	136	53	189	45	18	63	251	316	237
E07000113	Swale	Kent	South East	ENG	113.4	41.5	76.7	229	87	316	76	29	105	117	162	55
E07000114	Thanet	Kent	South East	ENG	131.3	45.1	86.1	263	102	365	88	34	122	81	115	30
E07000115	Tonbridge and Malling	Kent	South East	ENG	82.8	35.1	58.2	141	63	204	47	21	68	237	300	224
E07000116	Tunbridge Wells	Kent	South East	ENG	86.5	39.0	61.8	129	63	192	43	21	64	217	276	258
E06000008	Blackburn with Darwen	Lancashire	North West	ENG	155.9	78.8	117.1	279	142	421	93	47	140	6	13	9
E06000009	Blackpool	Lancashire	North West	ENG	189.2	79.3	134.5	384	160	544	128	53	181	1	2	1
E07000117	Burnley	Lancashire	North West	ENG	167.8	63.1	114.8	206	79	285	69	26	95	9	17	8
E07000118	Chorley	Lancashire	North West	ENG	119.4	53.8	86.1	202	93	295	67	31	98	82	116	170
E07000119	Fylde	Lancashire	North West	ENG	110.8	35.7	72.6	156	53	209	52	18	70	143	191	186
E07000120	Hyndburn	Lancashire	North West	ENG	159.7	73.9	116.4	171	80	251	57	27	84	7	14	16
E07000121	Lancaster	Lancashire	North West	ENG	141.7	52.0	95.4	270	107	377	90	36	126	48	72	85
E07000122	Pendle	Lancashire	North West	ENG	141.1	57.4	98.8	175	73	248	58	24	83	38	59	32
E07000123	Preston	Lancashire	North West	ENG	153.8	83.3	118.5	263	141	404	88	47	135	5	11	44
E07000124	Ribble Valley	Lancashire	North West	ENG	84.0	31.2	57.1	82	31	113	27	10	38	245	309	264
E07000125	Rossendale	Lancashire	North West	ENG	132.9	62.1	96.7	131	64	195	44	21	65	44	68	88
E07000126	South Ribble	Lancashire	North West	ENG	104.4	50.1	76.6	167	87	254	56	29	85	118	163	194
E07000127	West Lancashire	Lancashire	North West	ENG	117.3	61.8	88.7	200	113	313	67	38	104	73	103	147
E07000128	Wyre	Lancashire	North West	ENG	107.0	55.4	80.4	201	113	314	67	38	105	105	147	121
E07000129	Blaby	Leicestershire	East Midlands	ENG	86.3	48.2	66.8	121	72	193	40	24	64	179	235	263
E07000130	Charnwood	Leicestershire	East Midlands	ENG	97.6	36.1	66.2	229	90	319	76	30	106	182	238	226
E07000131	Harborough	Leicestershire	East Midlands	ENG	81.9	39.8	60.3	119	61	180	40	20	60	228	290	290
E07000132	Hinckley and Bosworth	Leicestershire	East Midlands	ENG	89.0	33.2	60.5	150	58	208	50	19	69	226	288	222
E06000016	Leicester	Leicestershire	East Midlands	ENG	151.2	66.7	108.3	554	252	806	185	84	269	20	30	31
E07000133	Melton	Leicestershire	East Midlands	ENG	89.3	36.8	62.3	73	33	106	24	11	35	214	273	236
E07000134	North West Leicestershire	Leicestershire	East Midlands	ENG	96.9	48.0	72.1	145	75	220	48	25	73	150	200	205
E07000135	Oadby and Wigston	Leicestershire	East Midlands	ENG	105.4	46.1	74.7	80	38	118	27	13	39	131	178	231
E07000136	Boston	Lincolnshire	East Midlands	ENG	132.4	61.6	96.3	127	62	189	42	21	63	45	69	98
E07000137	East Lindsey	Lincolnshire	East Midlands	ENG	139.4	71.4	104.3	359	196	555	120	65	185	27	42	38
E07000138	Lincoln	Lincolnshire	East Midlands	ENG	145.3	80.5	112.7	163	91	254	54	30	85	12	21	59
E07000139	North Kesteven	Lincolnshire	East Midlands	ENG	96.7	46.9	70.7	169	88	257	56	29	86	163	214	255
E07000140	South Holland	Lincolnshire	East Midlands	ENG	111.7	58.5	84.6	163	89	252	54	30	84	92	129	161
E07000141	South Kesteven	Lincolnshire	East Midlands	ENG	101.9	40.7	70.2	217	93	310	72	31	103	165	218	221
E07000142	West Lindsey	Lincolnshire	East Midlands	ENG	94.6	42.5	67.8	145	70	215	48	23	72	174	229	128
E06000012	North East Lincolnshire	Lincolnshire	Yorkshire & The Humber	ENG	145.0	60.9	102.0	317	138	455	106	46	152	32	49	29
E06000013	North Lincolnshire	Lincolnshire	Yorkshire & The Humber	ENG	141.8	55.6	98.0	350	144	494	117	48	165	41	63	110
E08000011	Knowsley	Merseyside	North West	ENG	148.9	76.8	111.1	299	169	468	100	56	156	14	23	2
E08000012	Liverpool	Merseyside	North West	ENG	151.3	67.3	107.7	842	403	1,245	281	134	415	23	34	3
E08000014	Sefton	Merseyside	North West	ENG	120.1	53.1	85.3	491	232	723	164	77	241	87	123	57
E08000013	St. Helens	Merseyside	North West	ENG	151.7	67.3	108.6	386	180	566	129	60	189	18	27	26
E08000015	Wirral	Merseyside	North West	ENG	114.8	50.3	81.4	530	248	778	177	83	259	103	144	41
E07000143	Breckland	Norfolk	East of England	ENG	95.8	34.8	64.5	210	81	291	70	27	97	196	253	135

Table 1.22 Age-standardised death rates per 100,000 and number of deaths for heart and circulatory diseases (CVD), under 75s by local authority, United Kingdom 2021/23

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					UNDER 75											
					Age-standardised premature CVD death rates per 100,000 - Annual			Total number of premature CVD deaths - 2021/23			Average number of annual prem CVD deaths - 2021/23			ASDR Rank (1 = highest death rate)		IMD - Rank** (1= most deprived)
LA Code	LA/DC/UA	Ceremonial County (Eng/Wal)	Region/Nation	4N	Men	Women	Total	Men	Women	Total	Men	Women	Total	4N	UK-wide	4N
E07000144	Broadland	Norfolk	East of England	ENG	66.0	38.5	51.8	135	85	220	45	28	73	269	334	248
E07000145	Great Yarmouth	Norfolk	East of England	ENG	131.4	52.6	91.0	199	85	284	66	28	95	64	91	20
E07000146	King's Lynn and West Norfolk	Norfolk	East of England	ENG	101.6	43.7	71.6	236	112	348	79	37	116	157	207	90
E07000147	North Norfolk	Norfolk	East of England	ENG	77.2	41.8	58.9	142	86	228	47	29	76	231	293	119
E07000148	Norwich	Norfolk	East of England	ENG	126.6	52.9	88.9	190	82	272	63	27	91	72	102	51
E07000149	South Norfolk	Norfolk	East of England	ENG	77.3	31.5	53.6	163	72	235	54	24	78	263	328	225
E06000061	North Northamptonshire	Northamptonshire	East Midlands	ENG	113.6	45.4	78.5	530	226	756	177	75	252	113	157	133
E06000062	West Northamptonshire	Northamptonshire	East Midlands	ENG	101.5	43.2	71.7	540	240	780	180	80	260	156	206	162
E06000057	Northumberland	Northumberland	North East	ENG	98.7	47.2	72.1	523	265	788	174	88	263	151	201	111
E07000170	Ashfield	Nottinghamshire	East Midlands	ENG	133.5	69.8	101.1	231	125	356	77	42	119	33	50	67
E07000171	Bassetlaw	Nottinghamshire	East Midlands	ENG	117.3	48.3	82.3	206	89	295	69	30	98	101	140	101
E07000172	Broxtowe	Nottinghamshire	East Midlands	ENG	105.1	45.9	74.7	162	75	237	54	25	79	132	179	211
E07000173	Gedling	Nottinghamshire	East Midlands	ENG	104.2	42.9	72.6	174	75	249	58	25	83	145	193	199
E07000174	Mansfield	Nottinghamshire	East Midlands	ENG	132.4	53.4	92.3	200	83	283	67	28	94	58	84	45
E07000175	Newark and Sherwood	Nottinghamshire	East Midlands	ENG	107.3	44.6	75.2	197	87	284	66	29	95	126	172	137
E06000018	Nottingham	Nottinghamshire	East Midlands	ENG	166.2	72.7	118.7	497	223	720	166	74	240	4	10	11
E07000176	Rushcliffe	Nottinghamshire	East Midlands	ENG	84.1	22.0	52.2	141	39	180	47	13	60	268	333	294
E07000177	Cherwell	Oxfordshire	South East	ENG	87.5	38.1	62.2	178	81	259	59	27	86	215	274	208
E07000178	Oxford	Oxfordshire	South East	ENG	79.2	39.0	58.1	110	62	172	37	21	57	238	301	175
E07000179	South Oxfordshire	Oxfordshire	South East	ENG	71.5	29.8	50.1	144	64	208	48	21	69	279	344	283
E07000180	Vale of White Horse	Oxfordshire	South East	ENG	71.5	27.6	49.2	135	53	188	45	18	63	282	347	286
E07000181	West Oxfordshire	Oxfordshire	South East	ENG	67.0	24.2	44.8	108	42	150	36	14	50	289	354	281
E06000017	Rutland	Rutland	East Midlands	ENG	95.1	24.3	58.9	59	16	75	20	5	25	232	294	284
E06000051	Shropshire	Shropshire	West Midlands	ENG	98.4	43.2	70.1	501	234	735	167	78	245	166	219	167
E06000020	Telford and Wrekin	Shropshire	West Midlands	ENG	124.6	56.9	89.8	296	141	437	99	47	146	69	97	82
E06000022	Bath and North East Somerset	Somerset	South West	ENG	78.2	30.5	53.5	188	80	268	63	27	89	264	329	249
E06000024	North Somerset	Somerset	South West	ENG	86.5	38.3	61.6	268	130	398	89	43	133	219	278	187
E06000066	Somerset	Somerset	South West	ENG	93.5	34.1	62.8	820	321	1,141	273	107	380	205	263	150
E07000192	Cannock Chase	Staffordshire	West Midlands	ENG	115.7	65.8	90.2	158	95	253	53	32	84	68	96	126
E07000193	East Staffordshire	Staffordshire	West Midlands	ENG	103.3	42.6	72.6	173	71	244	58	24	81	144	192	138
E07000194	Lichfield	Staffordshire	West Midlands	ENG	68.1	44.4	55.9	109	73	182	36	24	61	249	314	234
E07000195	Newcastle-under-Lyme	Staffordshire	West Midlands	ENG	110.3	50.5	79.7	193	92	285	64	31	95	109	152	143
E07000196	South Staffordshire	Staffordshire	West Midlands	ENG	97.3	41.0	68.6	169	73	242	56	24	81	171	225	228
E07000197	Stafford	Staffordshire	West Midlands	ENG	94.0	39.6	66.4	192	84	276	64	28	92	181	237	220
E07000198	Staffordshire Moorlands	Staffordshire	West Midlands	ENG	100.7	41.3	70.5	159	68	227	53	23	76	164	216	196
E06000021	Stoke-on-Trent	Staffordshire	West Midlands	ENG	141.0	64.7	102.6	451	209	660	150	70	220	29	44	14
E07000199	Tamworth	Staffordshire	West Midlands	ENG	103.6	48.3	74.7	108	54	162	36	18	54	130	177	118
E07000200	Babergh	Suffolk	East of England	ENG	78.9	28.7	52.8	116	47	163	39	16	54	265	330	209
E07000244	East Suffolk	Suffolk	East of England	ENG	99.7	52.3	75.2	390	219	609	130	73	203	125	171	136
E07000202	Ipswich	Suffolk	East of England	ENG	112.9	52.7	82.5	187	89	276	62	30	92	99	138	69
E07000203	Mid Suffolk	Suffolk	East of England	ENG	75.3	33.8	54.2	124	57	181	41	19	60	260	325	227
E07000245	West Suffolk	Suffolk	East of England	ENG	87.2	39.5	62.7	207	99	306	69	33	102	207	265	179
E07000207	Elmbridge	Surrey	South East	ENG	63.2	27.0	44.4	107	49	156	36	16	52	290	355	291
E07000208	Epsom and Ewell	Surrey	South East	ENG	73.9	21.5	46.7	73	23	96	24	8	32	286	351	280
E07000209	Guildford	Surrey	South East	ENG	65.0	36.5	50.3	111	67	178	37	22	59	275	340	277
E07000210	Mole Valley	Surrey	South East	ENG	72.7	29.2	50.4	93	40	133	31	13	44	274	339	275
E07000211	Reigate and Banstead	Surrey	South East	ENG	78.8	27.4	52.3	147	54	201	49	18	67	267	332	259
E07000212	Runnymede	Surrey	South East	ENG	107.1	40.3	72.5	107	43	150	36	14	50	147	196	242
E07000213	Spelthorne	Surrey	South East	ENG	101.6	34.9	67.4	126	45	171	42	15	57	175	231	198

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					UNDER 75											
					Age-standardised premature CVD death rates per 100,000 - Annual			Total number of premature CVD deaths - 2021/23			Average number of annual prem CVD deaths - 2021/23			ASDR Rank (1 = highest death rate)		IMD - Rank** (1= most deprived)
LA Code	LA/DC/UA	Ceremonial County (Eng/Wal)	Region/Nation	4N	Men	Women	Total	Men	Women	Total	Men	Women	Total	4N	UK-wide	4N
E07000214	Surrey Heath	Surrey	South East	ENG	72.4	32.3	51.7	85	41	126	28	14	42	270	335	289
E07000215	Tandridge	Surrey	South East	ENG	82.7	28.4	54.3	97	36	133	32	12	44	259	324	246
E07000216	Waverley	Surrey	South East	ENG	66.1	24.0	44.2	114	45	159	38	15	53	292	357	293
E07000217	Woking	Surrey	South East	ENG	95.6	32.7	63.6	118	42	160	39	14	53	201	259	261
E08000037	Gateshead	Tyne & Wear	North East	ENG	127.6	58.9	92.6	344	167	511	115	56	170	56	82	46
E08000021	Newcastle upon Tyne	Tyne & Wear	North East	ENG	130.3	63.1	96.1	424	214	638	141	71	213	46	70	40
E08000022	North Tyneside	Tyne & Wear	North East	ENG	123.1	48.9	84.5	361	157	518	120	52	173	93	130	106
E08000023	South Tyneside	Tyne & Wear	North East	ENG	138.0	62.4	99.0	293	141	434	98	47	145	36	57	27
E08000024	Sunderland	Tyne & Wear	North East	ENG	130.6	58.4	93.2	506	241	747	169	80	249	52	78	34
E07000218	North Warwickshire	Warwickshire	West Midlands	ENG	131.5	57.5	93.8	127	58	185	42	19	62	49	75	160
E07000219	Nuneaton and Bedworth	Warwickshire	West Midlands	ENG	116.2	55.2	85.0	206	102	308	69	34	103	90	126	92
E07000220	Rugby	Warwickshire	West Midlands	ENG	100.6	44.6	72.3	143	65	208	48	22	69	148	197	215
E07000221	Stratford-on-Avon	Warwickshire	West Midlands	ENG	74.7	37.9	55.7	155	87	242	52	29	81	253	318	250
E07000222	Warwick	Warwickshire	West Midlands	ENG	88.7	41.0	64.2	163	81	244	54	27	81	198	256	243
E08000025	Birmingham	West Midlands	West Midlands	ENG	145.8	60.7	102.3	1,664	716	2,380	555	239	793	30	46	7
E08000026	Coventry	West Midlands	West Midlands	ENG	140.5	54.8	97.2	512	203	715	171	68	238	43	67	75
E08000027	Dudley	West Midlands	West Midlands	ENG	124.7	51.9	87.6	529	232	761	176	77	254	76	109	87
E08000028	Sandwell	West Midlands	West Midlands	ENG	160.9	65.7	112.3	612	257	869	204	86	290	13	22	12
E08000029	Solihull	West Midlands	West Midlands	ENG	91.4	39.8	64.6	260	124	384	87	41	128	195	252	165
E08000030	Walsall	West Midlands	West Midlands	ENG	146.3	70.4	107.7	494	246	740	165	82	247	22	33	25
E08000031	Wolverhampton	West Midlands	West Midlands	ENG	146.5	71.7	108.5	458	230	688	153	77	229	19	29	24
E07000223	Adur	West Sussex	South East	ENG	90.9	43.3	65.6	80	44	124	27	15	41	190	247	163
E07000224	Arun	West Sussex	South East	ENG	96.4	43.4	68.6	242	129	371	81	43	124	172	226	148
E07000225	Chichester	West Sussex	South East	ENG	99.6	31.7	63.7	191	68	259	64	23	86	200	258	216
E07000226	Crawley	West Sussex	South East	ENG	97.3	49.2	72.7	126	65	191	42	22	64	142	189	141
E07000227	Horsham	West Sussex	South East	ENG	75.3	26.7	50.1	160	62	222	53	21	74	277	342	272
E07000228	Mid Sussex	West Sussex	South East	ENG	73.5	31.5	51.6	149	69	218	50	23	73	271	336	292
E07000229	Worthing	West Sussex	South East	ENG	102.2	35.1	67.3	154	59	213	51	20	71	176	232	168
E06000030	Swindon	Wiltshire	South West	ENG	114.7	46.2	80.0	331	135	466	110	45	155	106	149	149
E06000054	Wiltshire	Wiltshire	South West	ENG	85.4	33.3	58.5	619	259	878	206	86	293	234	297	223
E07000234	Bromsgrove	Worcestershire	West Midlands	ENG	88.3	38.2	62.4	124	57	181	41	19	60	211	270	252
E07000235	Malvern Hills	Worcestershire	West Midlands	ENG	80.5	43.1	61.1	108	60	168	36	20	56	225	285	183
E07000236	Redditch	Worcestershire	West Midlands	ENG	106.2	54.3	79.6	123	67	190	41	22	63	110	153	102
E07000237	Worcester	Worcestershire	West Midlands	ENG	105.5	44.3	74.3	137	60	197	46	20	66	133	180	127
E07000238	Wychavon	Worcestershire	West Midlands	ENG	99.1	35.7	66.6	205	81	286	68	27	95	180	236	188
E07000239	Wyre Forest	Worcestershire	West Midlands	ENG	118.9	47.3	81.8	183	78	261	61	26	87	102	141	104
E06000011	East Riding of Yorkshire	Yorkshire (East Riding)	Yorkshire & The Humber	ENG	104.0	42.0	72.2	580	249	829	193	83	276	149	199	192
E06000010	Kingston upon Hull, City of	Yorkshire (East Riding)	Yorkshire & The Humber	ENG	169.0	70.8	119.8	544	230	774	181	77	258	2	8	4
E06000002	Middlesbrough	Yorkshire (North Yorkshire)	North East	ENG	131.6	74.3	102.0	233	139	372	78	46	124	31	48	5
E06000003	Redcar and Cleveland	Yorkshire (North Yorkshire)	North East	ENG	116.6	55.9	85.0	235	124	359	78	41	120	89	125	39
E06000065	North Yorkshire	Yorkshire (North Yorkshire)	Yorkshire & The Humber	ENG	89.7	40.6	64.4	877	426	1,303	292	142	434	197	255	201
E06000014	York	Yorkshire (North Yorkshire)	Yorkshire & The Humber	ENG	96.7	37.5	65.9	240	100	340	80	33	113	185	241	251
E08000016	Barnsley	Yorkshire (South Yorkshire)	Yorkshire & The Humber	ENG	135.9	74.2	104.5	463	259	722	154	86	241	26	41	37
E08000017	Doncaster	Yorkshire (South Yorkshire)	Yorkshire & The Humber	ENG	134.9	61.9	97.7	569	274	843	190	91	281	42	64	36
E08000018	Rotherham	Yorkshire (South Yorkshire)	Yorkshire & The Humber	ENG	139.7	67.9	103.1	501	255	756	167	85	252	28	43	43
E08000019	Sheffield	Yorkshire (South Yorkshire)	Yorkshire & The Humber	ENG	116.5	51.8	83.5	756	348	1,104	252	116	368	96	134	56
E08000032	Bradford	Yorkshire (West Yorkshire)	Yorkshire & The Humber	ENG	160.1	70.6	114.5	1,003	456	1,459	334	152	486	10	18	13
E08000033	Calderdale	Yorkshire (West Yorkshire)	Yorkshire & The Humber	ENG	133.0	48.1	89.3	371	143	514	124	48	171	71	100	65
E08000034	Kirklees	Yorkshire (West Yorkshire)	Yorkshire & The Humber	ENG	138.3	61.0	98.8	762	351	1,113	254	117	371	37	58	80

Table 1.22 Age-standardised death rates per 100,000 and number of deaths for heart and circulatory diseases (CVD), under 75s by local authority, United Kingdom 2021/23

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LA Code LA/DC/UA Ceremonial County (Eng/Wal) Region/Nation 4N					UNDER 75											
					Age-standardised premature CVD death rates per 100,000 - Annual			Total number of premature CVD deaths - 2021/23			Average number of annual prem CVD deaths - 2021/23			ASDR Rank (1 = highest death rate)		IMD - Rank** (1= most deprived)
LA Code	LA/DC/UA	Ceremonial County (Eng/Wal)	Region/Nation	4N	Men	Women	Total	Men	Women	Total	Men	Women	Total	4N	UK-wide	4N
E08000035	Leeds	Yorkshire (West Yorkshire)	Yorkshire & The Humber	ENG	111.4	46.1	77.8	1,005	438	1,443	335	146	481	115	159	54
E08000036	Wakefield	Yorkshire (West Yorkshire)	Yorkshire & The Humber	ENG	117.8	52.7	84.5	560	263	823	187	88	274	94	131	53
N09000001	Antrim and Newtownabbey		Northern Ireland	NI	90.6	42.0	65.6	165	81	246	55	27	82	6	246	10
N09000011	Ards and North Down		Northern Ireland	NI	80.4	38.4	58.6	189	99	288	63	33	96	9	296	9
N09000002	Armagh City, Banbridge and Craigavon		Northern Ireland	NI	77.4	36.7	56.8	206	99	305	69	33	102	11	310	7
N09000003	Belfast		Northern Ireland	NI	123.6	57.3	89.4	468	228	696	156	76	232	1	99	4
N09000004	Causeway Coast and Glens		Northern Ireland	NI	93.6	42.6	67.8	181	84	265	60	28	88	5	230	5
N09000005	Derry City and Strabane		Northern Ireland	NI	97.7	45.9	71.1	186	90	276	62	30	92	2	209	1
N09000006	Fermanagh and Omagh		Northern Ireland	NI	99.0	41.7	70.3	159	66	225	53	22	75	3	217	2
N09000007	Lisburn and Castlereagh		Northern Ireland	NI	75.4	39.9	57.1	139	78	217	46	26	72	10	308	11
N09000008	Mid and East Antrim		Northern Ireland	NI	88.4	48.5	68.0	168	97	265	56	32	88	4	228	8
N09000009	Mid Ulster		Northern Ireland	NI	81.2	40.5	60.8	140	70	210	47	23	70	7	286	6
N09000010	Newry, Mourne and Down		Northern Ireland	NI	81.1	40.6	60.6	188	97	285	63	32	95	8	287	3
S12000033	Aberdeen City		Scotland	SCO	123.1	58.5	90.4	343	166	509	114	55	170	17	94	26
S12000034	Aberdeenshire		Scotland	SCO	106.2	52.6	78.9	419	215	634	140	72	211	26	155	30
S12000041	Angus		Scotland	SCO	109.0	63.3	85.4	202	123	325	67	41	108	22	120	20
S12000035	Argyll and Bute		Scotland	SCO	117.4	53.4	84.9	179	83	262	60	28	87	23	128	19
S12000036	City of Edinburgh		Scotland	SCO	123.1	54.7	87.8	721	340	1,061	240	113	354	20	108	29
S12000005	Clackmannanshire		Scotland	SCO	155.5	81.9	117.5	118	68	186	39	23	62	6	12	8
S12000006	Dumfries and Galloway		Scotland	SCO	132.2	65.0	97.5	325	177	502	108	59	167	14	66	12
S12000042	Dundee City		Scotland	SCO	163.8	66.0	113.1	297	129	426	99	43	142	7	20	6
S12000008	East Ayrshire		Scotland	SCO	169.2	77.2	121.5	299	151	450	100	50	150	4	6	7
S12000045	East Dunbartonshire		Scotland	SCO	87.1	44.1	64.4	139	81	220	46	27	73	31	254	31
S12000010	East Lothian		Scotland	SCO	91.3	50.6	69.9	145	90	235	48	30	78	30	220	22
S12000011	East Renfrewshire		Scotland	SCO	84.1	43.3	62.5	112	65	177	37	22	59	32	268	32
S12000014	Falkirk		Scotland	SCO	136.2	80.9	107.3	302	197	499	101	66	166	9	35	16
S12000047	Fife		Scotland	SCO	139.5	65.2	100.8	742	382	1,124	247	127	375	12	51	17
S12000049	Glasgow City		Scotland	SCO	186.8	89.7	136.6	1,311	663	1,974	437	221	658	1	1	2
S12000017	Highland		Scotland	SCO	125.1	52.7	88.1	473	207	680	158	69	227	19	107	18
S12000018	Inverclyde		Scotland	SCO	154.1	65.6	107.7	184	87	271	61	29	90	8	32	4
S12000019	Midlothian		Scotland	SCO	117.9	52.9	83.3	150	75	225	50	25	75	24	135	14
S12000020	Moray		Scotland	SCO	118.8	54.4	85.7	168	82	250	56	27	83	21	119	23
S12000013	Na h-Eileanan Siar		Scotland	SCO	138.4	62.3	100.2	64	29	93	21	10	31	13	53	10
S12000021	North Ayrshire		Scotland	SCO	156.3	88.3	120.4	323	208	531	108	69	177	5	7	3
S12000050	North Lanarkshire		Scotland	SCO	164.2	85.6	123.3	756	427	1,183	252	142	394	3	4	5
S12000023	Orkney Islands		Scotland	SCO	97.2	53.4	74.8	35	20	55	12	7	18	28	176	24
S12000048	Perth and Kinross		Scotland	SCO	115.0	47.7	80.2	274	119	393	91	40	131	25	148	28
S12000038	Renfrewshire		Scotland	SCO	154.7	59.8	104.7	393	167	560	131	56	187	10	40	9
S12000026	Scottish Borders		Scotland	SCO	102.4	52.2	76.5	199	107	306	66	36	102	27	165	21
S12000027	Shetland Islands		Scotland	SCO	105.1	40.3	72.6	36	14	50	12	5	17	29	190	25
S12000028	South Ayrshire		Scotland	SCO	127.9	59.5	92.1	234	123	357	78	41	119	16	86	13
S12000029	South Lanarkshire		Scotland	SCO	139.0	69.0	102.5	648	353	1,001	216	118	334	11	45	11
S12000030	Stirling		Scotland	SCO	113.7	64.9	88.5	146	89	235	49	30	78	18	105	27
S12000039	West Dunbartonshire		Scotland	SCO	177.1	78.1	125.1	222	109	331	74	36	110	2	3	1
S12000040	West Lothian		Scotland	SCO	137.3	53.7	94.0	331	138	469	110	46	156	15	74	15
W06000003	Conwy	Clwyd	Wales / Cymru	WAL	122.1	51.8	84.3	224	106	327	75	35	109	14	132	17
W06000004	Denbighshire / Sir Ddinbych	Clwyd	Wales / Cymru	WAL	127.9	69.9	99.9	195	110	308	65	37	103	7	54	9
W06000005	Flintshire / Sir y Fflint	Clwyd	Wales / Cymru	WAL	128.1	57.0	94.5	290	137	437	97	46	146	11	73	20
W06000006	Wrexham / Wrecsam	Clwyd	Wales / Cymru	WAL	129.8	60.4	97.6	246	119	375	82	40	125	10	65	14

Table 1.22 Age-standardised death rates per 100,000 and number of deaths for heart and circulatory diseases (CVD), under 75s by local authority, United Kingdom 2021/23

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					UNDER 75											
					Age-standardised premature CVD death rates per 100,000 - Annual			Total number of premature CVD deaths - 2021/23			Average number of annual prem CVD deaths - 2021/23			ASDR Rank (1 = highest death rate)		IMD - Rank** (1= most deprived)
LA Code	LA/DC/UA	Ceremonial County (Eng/Wal)	Region/Nation	4N	Men	Women	Total	Men	Women	Total	Men	Women	Total	4N	UK-wide	4N
W06000010	Carmarthenshire / Sir Gaerfyrddin	Dyfed	Wales / Cymru	WAL	122.7	58.9	89.1	352	189	537	117	63	179	12	101	8
W06000008	Ceredigion	Dyfed	Wales / Cymru	WAL	95.0	41.1	72.5	112	53	174	37	18	58	19	195	16
W06000009	Pembrokeshire / Sir Benfro	Dyfed	Wales / Cymru	WAL	110.3	50.2	80.6	222	111	335	74	37	112	17	146	12
W06000019	Blaenau Gwent	Gwent	Wales / Cymru	WAL	150.2	99.5	122.6	145	97	238	48	32	79	1	5	1
W06000018	Caerphilly / Caerffili	Gwent	Wales / Cymru	WAL	142.7	68.4	105.0	346	177	526	115	59	175	5	39	6
W06000021	Monmouthshire / Sir Fynwy	Gwent	Wales / Cymru	WAL	96.2	30.0	61.5	148	50	196	49	17	65	22	280	22
W06000022	Newport / Casnewydd	Gwent	Wales / Cymru	WAL	141.1	66.5	102.2	273	136	406	91	45	135	6	47	5
W06000020	Torfaen / Tor-faen	Gwent	Wales / Cymru	WAL	133.0	66.8	98.3	169	93	261	56	31	87	9	61	7
W06000002	Gwynedd	Gwynedd	Wales / Cymru	WAL	119.9	31.6	77.7	211	59	279	70	20	93	18	160	18
W06000001	Isle of Anglesey / Ynys Môn	Gwynedd	Wales / Cymru	WAL	105.7	61.0	86.6	125	76	206	42	25	69	13	112	15
W06000013	Bridgend / Pen-y-bont ar Ogwr	Mid Glamorgan / Morgannwg Ganol	Wales / Cymru	WAL	106.2	53.6	81.8	215	116	340	72	39	113	15	142	10
W06000024	Merthyr Tydfil / Merthyr Tudful	Mid Glamorgan / Morgannwg Ganol	Wales / Cymru	WAL	155.9	67.4	115.5	123	57	187	41	19	62	2	16	2
W06000016	Rhondda Cynon Taf / Rhondda Cynon Taf	Mid Glamorgan / Morgannwg Ganol	Wales / Cymru	WAL	130.6	68.5	99.8	420	232	658	140	77	219	8	55	4
W06000023	Powys	Powys	Wales / Cymru	WAL	103.3	33.7	72.3	239	85	336	80	28	112	20	198	19
W06000015	Cardiff / Caerdydd	South Glamorgan / De Morgannwg	Wales / Cymru	WAL	118.1	47.0	81.6	459	190	653	153	63	218	16	143	11
W06000014	Vale of Glamorgan / Bro Morgannwg	South Glamorgan / De Morgannwg	Wales / Cymru	WAL	106.9	33.1	70.6	198	70	276	66	23	92	21	215	21
W06000012	Neath Port Talbot / Castell-nedd Port Talbot	West Glamorgan / Gorllewin Morgannwg	Wales / Cymru	WAL	146.5	69.0	106.9	291	148	440	97	49	147	4	36	3
W06000011	Swansea / Abertawe	West Glamorgan / Gorllewin Morgannwg	Wales / Cymru	WAL	159.4	61.3	108.6	501	208	708	167	69	236	3	28	13

Notes:

ICD-10 codes I00-I99. Directly age-standardised using the 2013 European Standard Population. Some of the data for Wales has been suppressed.
UK local authorities correct May 2025
* indicates number of deaths considered too small to calculate rate. City of London and Isles of Scilly excluded from ASDR analysis - sui generis status (small population)
**Average IMD ranks calculated with different methodology, depending on nation. For England, we have used the rank of average lower super output area (LSOA) score, to align with the Office for Health Improvement and Disparities (OHID) Fingertips rankings
For Scotland, Wales, and Northern Ireland, we have used population-weighted average rank of all the small census areas in each local authority area, in line with previous editions of the Compendium.
Northern Ireland death rates (columns F, G & H) are provisional as local population estimates for 2023 were not available when this analysis was finalised - updates to follow at a later date.
Totals for male & female deaths may not equal total due to suppression of age-band cohorts in Nomis data - Wales only

Citation:

BHF (2025) Analysis of official UK mortality data

Source:

England: Number of deaths and mortality rates are taken from OHID's Mortality Profile
Wales: Number of deaths are taken from Nomis Mortality Statistics, mortality rates calculated by the BHF
Scotland: Mortality rates calculated in partnership with NRS (National Records of Scotland)
Northern Ireland: Mortality rates calculated in partnership with Northern Ireland Statistics and Research Agency
England: Rankings from OHID Fingertips; original source data - English Indices of Deprivation
Wales: Average IMD ranks calculated from Welsh Index of Multiple Deprivation
Scotland: Average IMD ranks calculated from Scottish Index of Multiple Deprivation
Northern Ireland: Average IMD ranks calculated from Northern Ireland Multiple Deprivation Measures

<https://fingertips.phe.org.uk/profile/mortality-profile/>
<https://www.nomisweb.co.uk/datasets/mortsa>

<https://www.gov.uk/government/statistics/english-indices-of-deprivation-2019>
<https://statswales.gov.wales/Catalogue/Community-Safety-and-Social-Inclusion/Welsh-Index-of-Multiple-Deprivation>
<https://www.gov.scot/collections/scottish-index-of-multiple-deprivation-2020/>
<https://www.nisra.gov.uk/statistics/deprivation>

Table 1.23 Age-standardised death rates per 100,000 and number of deaths for coronary heart disease (CHD), all ages by local authority, United Kingdom 2021/23

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					ALL AGES											
					Age-standardised CHD death rates per 100,000 - Annual Average (3-Year)			Total number of CHD deaths 2021/23			Average number of annual CHD deaths for 2021/23			ASDR Rank (1 = highest death rate)		IMD - Rank of average rank (1= most deprived)
LA Code	LA/DC/UA	Ceremonial County (Eng/Wal)	Region/Nation	4N	Men	Women	Total	Men	Women	Total	Men	Women	Total	4N	UK-wide	4N
E06000055	Bedford	Bedfordshire	East of England	ENG	121.2	53.4	84.0	278	154	432	93	51	144	196	259	142
E06000056	Central Bedfordshire	Bedfordshire	East of England	ENG	127.1	49.9	84.8	477	232	709	159	77	236	191	254	240
E06000032	Luton	Bedfordshire	East of England	ENG	162.2	67.7	111.1	324	165	489	108	55	163	71	109	68
E06000036	Bracknell Forest	Berkshire	South East	ENG	107.0	56.9	79.4	149	99	248	50	33	83	218	281	267
E06000038	Reading	Berkshire	South East	ENG	133.8	50.8	86.9	207	102	309	69	34	103	177	237	134
E06000039	Slough	Berkshire	South East	ENG	184.0	103.6	142.2	232	142	374	77	47	125	14	22	99
E06000037	West Berkshire	Berkshire	South East	ENG	109.1	42.4	72.8	245	120	365	82	40	122	252	317	271
E06000040	Windsor and Maidenhead	Berkshire	South East	ENG	126.8	44.4	81.0	266	123	389	89	41	130	212	275	285
E06000041	Wokingham	Berkshire	South East	ENG	102.1	35.6	65.9	232	105	337	77	35	112	281	346	295
E06000023	Bristol, City of	Bristol	South West	ENG	134.2	54.1	90.8	595	304	899	198	101	300	157	214	64
E06000060	Buckinghamshire	Buckinghamshire	South East	ENG	118.1	48.3	79.5	884	494	1,378	295	165	459	217	280	269
E06000042	Milton Keynes	Buckinghamshire	South East	ENG	115.3	43.7	75.2	324	155	479	108	52	160	242	307	158
E07000008	Cambridge	Cambridgeshire	East of England	ENG	117.8	44.7	77.8	145	72	217	48	24	72	229	293	200
E07000009	East Cambridgeshire	Cambridgeshire	East of England	ENG	109.8	64.0	85.1	144	108	252	48	36	84	190	253	256
E07000010	Fenland	Cambridgeshire	East of England	ENG	165.9	72.4	114.8	263	152	415	88	51	138	57	88	77
E07000011	Huntingdonshire	Cambridgeshire	East of England	ENG	125.5	57.3	87.5	318	182	500	106	61	167	169	229	235
E06000031	Peterborough	Cambridgeshire	East of England	ENG	161.2	65.9	109.1	361	185	546	120	62	182	81	124	50
E07000012	South Cambridgeshire	Cambridgeshire	East of England	ENG	111.7	40.0	72.9	263	122	385	88	41	128	250	315	282
E06000049	Cheshire East	Cheshire	North West	ENG	136.7	58.4	93.7	862	483	1,345	287	161	448	147	203	207
E06000050	Cheshire West and Chester	Cheshire	North West	ENG	140.7	56.3	94.6	749	386	1,135	250	129	378	140	194	154
E06000006	Halton	Cheshire	North West	ENG	207.6	87.8	142.0	340	172	512	113	57	171	15	23	23
E06000007	Warrington	Cheshire	North West	ENG	166.6	74.0	115.5	476	262	738	159	87	246	52	83	140
E06000052	Cornwall	Cornwall	South West	ENG	147.2	61.7	100.0	1,435	788	2,223	478	263	741	114	161	97
E06000053	Isles of Scilly	Cornwall	South West	ENG	*	*	*	*	*	*	*	*	*	*	*	243
E06000047	County Durham	County Durham	North East	ENG	161.3	73.9	113.1	1,214	696	1,910	405	232	637	62	97	61
E06000005	Darlington	County Durham	North East	ENG	141.3	57.7	96.2	220	115	335	73	38	112	131	182	74
E06000001	Hartlepool	County Durham	North East	ENG	167.1	77.7	117.3	210	125	335	70	42	112	47	77	10
E06000004	Stockton-on-Tees	County Durham	North East	ENG	165.1	69.6	112.1	418	226	644	139	75	215	65	101	71
E06000063	Cumberland	Cumbria	North West	ENG	156.3	62.5	104.8	689	339	1,028	230	113	343	97	141	96
E06000064	Westmorland and Furness	Cumbria	North West	ENG	127.7	52.8	87.2	511	276	787	170	92	262	174	234	139
E07000032	Amber Valley	Derbyshire	East Midlands	ENG	163.4	60.4	107.7	318	149	467	106	50	156	88	131	159
E07000033	Bolsover	Derbyshire	East Midlands	ENG	187.0	66.7	118.5	199	93	292	66	31	97	44	72	81
E07000034	Chesterfield	Derbyshire	East Midlands	ENG	150.1	61.8	101.3	231	122	353	77	41	118	108	154	83
E06000015	Derby	Derbyshire	East Midlands	ENG	164.8	71.8	114.9	508	294	802	169	98	267	56	87	66
E07000035	Derbyshire Dales	Derbyshire	East Midlands	ENG	132.6	48.4	86.7	184	87	271	61	29	90	182	242	247
E07000036	Erewash	Derbyshire	East Midlands	ENG	151.7	77.9	111.3	247	159	406	82	53	135	69	106	145
E07000037	High Peak	Derbyshire	East Midlands	ENG	148.4	65.5	101.9	196	109	305	65	36	102	104	150	191
E07000038	North East Derbyshire	Derbyshire	East Midlands	ENG	137.2	53.6	91.6	236	114	350	79	38	117	151	208	164
E07000039	South Derbyshire	Derbyshire	East Midlands	ENG	141.9	72.9	105.2	201	125	326	67	42	109	94	138	206
E07000040	East Devon	Devon	South West	ENG	103.0	42.2	69.0	329	196	525	110	65	175	271	336	233
E07000041	Exeter	Devon	South West	ENG	136.1	50.5	87.9	207	109	316	69	36	105	165	225	180
E07000042	Mid Devon	Devon	South West	ENG	114.4	45.5	76.0	158	83	241	53	28	80	236	300	169
E07000043	North Devon	Devon	South West	ENG	126.0	59.0	91.0	227	135	362	76	45	121	156	213	124
E06000026	Plymouth	Devon	South West	ENG	162.0	64.2	108.6	554	289	843	185	96	281	84	127	63
E07000044	South Hams	Devon	South West	ENG	101.9	44.9	70.4	173	104	277	58	35	92	264	329	219
E07000045	Teignbridge	Devon	South West	ENG	116.7	50.1	79.5	287	167	454	96	56	151	216	279	185
E06000027	Torbay	Devon	South West	ENG	151.0	44.4	93.6	385	153	538	128	51	179	149	205	47
E07000046	Torridge	Devon	South West	ENG	133.7	55.2	89.5	172	91	263	57	30	88	161	221	94
E07000047	West Devon	Devon	South West	ENG	130.5	42.7	83.1	148	62	210	49	21	70	203	266	155
E06000058	Bournemouth, Christchurch and Poole	Dorset	South West	ENG	126.8	47.7	83.6	776	413	1,189	259	138	396	198	261	153

Table 1.23 Age-standardised death rates per 100,000 and number of deaths for coronary heart disease (CHD), all ages by local authority, United Kingdom 2021/23

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					ALL AGES											
					Age-standardised CHD death rates per 100,000 - Annual Average (3-Year)			Total number of CHD deaths 2021/23			Average number of annual CHD deaths for 2021/23			ASDR Rank (1 = highest death rate)		IMD - Rank of average rank (1= most deprived)
LA Code	LA/DC/UA	Ceremonial County (Eng/Wal)	Region/Nation	4N	Men	Women	Total	Men	Women	Total	Men	Women	Total	4N	UK-wide	4N
E06000059	Dorset	Dorset	South West	ENG	114.4	45.0	76.2	905	480	1,385	302	160	462	235	299	190
E06000043	Brighton and Hove	East Sussex	South East	ENG	123.8	47.1	81.1	352	177	529	117	59	176	209	272	123
E07000061	Eastbourne	East Sussex	South East	ENG	121.2	46.0	78.4	207	121	328	69	40	109	225	289	109
E07000062	Hastings	East Sussex	South East	ENG	150.6	51.0	94.4	187	83	270	62	28	90	142	196	17
E07000063	Lewes	East Sussex	South East	ENG	110.0	36.2	68.5	199	99	298	66	33	99	272	337	189
E07000064	Rother	East Sussex	South East	ENG	122.2	35.9	72.8	245	108	353	82	36	118	251	316	131
E07000065	Wealden	East Sussex	South East	ENG	99.1	38.2	65.6	296	154	450	99	51	150	284	349	238
E07000066	Basildon	Essex	East of England	ENG	140.2	64.3	96.2	299	188	487	100	63	162	130	181	95
E07000067	Braintree	Essex	East of England	ENG	122.1	48.2	81.2	270	138	408	90	46	136	208	271	202
E07000068	Brentwood	Essex	East of England	ENG	110.3	45.6	74.9	124	77	201	41	26	67	244	309	270
E07000069	Castle Point	Essex	East of England	ENG	128.3	52.0	84.8	188	107	295	63	36	98	192	255	171
E07000070	Chelmsford	Essex	East of England	ENG	120.3	52.2	82.3	295	168	463	98	56	154	205	268	239
E07000071	Colchester	Essex	East of England	ENG	113.3	47.4	76.6	276	147	423	92	49	141	234	298	174
E07000072	Epping Forest	Essex	East of England	ENG	143.4	42.6	87.1	268	109	377	89	36	126	175	235	195
E07000073	Harlow	Essex	East of England	ENG	153.5	62.3	101.9	149	81	230	50	27	77	105	151	117
E07000074	Maldon	Essex	East of England	ENG	114.9	38.0	72.7	135	57	192	45	19	64	253	318	213
E07000075	Rochford	Essex	East of England	ENG	136.6	46.9	85.6	183	88	271	61	29	90	188	251	265
E06000033	Southend-on-Sea	Essex	East of England	ENG	141.1	50.3	90.0	339	170	509	113	57	170	159	218	105
E07000076	Tendring	Essex	East of England	ENG	143.5	59.1	97.3	430	229	659	143	76	220	121	172	35
E06000034	Thurrock	Essex	East of England	ENG	158.8	60.9	103.4	260	129	389	87	43	130	99	145	120
E07000077	Uttlesford	Essex	East of England	ENG	97.5	42.7	68.2	132	77	209	44	26	70	274	339	278
E07000078	Cheltenham	Gloucestershire	South West	ENG	147.2	51.3	94.6	243	124	367	81	41	122	139	193	210
E07000079	Cotswold	Gloucestershire	South West	ENG	112.0	47.8	76.7	182	104	286	61	35	95	233	297	260
E07000080	Forest of Dean	Gloucestershire	South West	ENG	152.8	58.0	101.1	221	108	329	74	36	110	110	156	156
E07000081	Gloucester	Gloucestershire	South West	ENG	165.5	69.2	114.9	272	142	414	91	47	138	55	86	112
E06000025	South Gloucestershire	Gloucestershire	South West	ENG	102.5	35.8	66.3	402	185	587	134	62	196	279	344	253
E07000082	Stroud	Gloucestershire	South West	ENG	128.0	49.0	84.4	252	126	378	84	42	126	194	257	262
E07000083	Tewkesbury	Gloucestershire	South West	ENG	149.2	53.3	95.3	219	103	322	73	34	107	134	187	241
E09000002	Barking and Dagenham	Greater London	London	ENG	170.9	65.4	111.2	255	122	377	85	41	126	70	108	21
E09000003	Barnet	Greater London	London	ENG	123.8	48.2	81.3	508	275	783	169	92	261	207	270	181
E09000004	Bexley	Greater London	London	ENG	128.8	57.4	87.9	365	234	599	122	78	200	166	226	178
E09000005	Brent	Greater London	London	ENG	173.8	67.4	114.7	516	254	770	172	85	257	58	90	76
E09000006	Bromley	Greater London	London	ENG	119.1	45.2	77.6	496	263	759	165	88	253	230	294	214
E09000007	Camden	Greater London	London	ENG	138.2	49.3	88.4	250	116	366	83	39	122	164	224	130
E09000001	City of London	Greater London	London	ENG	*	*	*	*	*	*	*	*	*	*	*	203
E09000008	Croydon	Greater London	London	ENG	130.9	53.3	87.5	510	267	777	170	89	259	170	230	103
E09000009	Ealing	Greater London	London	ENG	162.4	61.8	107.0	539	249	788	180	83	263	89	132	100
E09000010	Enfield	Greater London	London	ENG	149.8	55.3	96.2	495	245	740	165	82	247	129	180	72
E09000011	Greenwich	Greater London	London	ENG	159.9	72.0	110.3	354	198	552	118	66	184	78	119	84
E09000012	Hackney	Greater London	London	ENG	177.4	77.3	122.6	300	142	442	100	47	147	36	60	22
E09000013	Hammersmith and Fulham	Greater London	London	ENG	171.5	51.2	101.2	221	91	312	74	30	104	109	155	107
E09000014	Haringey	Greater London	London	ENG	175.6	65.6	113.2	361	168	529	120	56	176	61	96	48
E09000015	Harrow	Greater London	London	ENG	128.4	66.8	94.4	367	258	625	122	86	208	141	195	197
E09000016	Havering	Greater London	London	ENG	122.9	45.9	79.6	396	211	607	132	70	202	215	278	173
E09000017	Hillingdon	Greater London	London	ENG	152.6	52.8	97.1	466	207	673	155	69	224	124	175	152
E09000018	Hounslow	Greater London	London	ENG	151.9	62.2	102.9	384	187	571	128	62	190	102	148	115
E09000019	Islington	Greater London	London	ENG	183.1	73.2	120.5	264	132	396	88	44	132	40	66	52
E09000020	Kensington and Chelsea	Greater London	London	ENG	129.1	39.6	77.8	186	76	262	62	25	87	228	292	114
E09000021	Kingston upon Thames	Greater London	London	ENG	124.5	43.6	78.8	220	101	321	73	34	107	220	284	257
E09000022	Lambeth	Greater London	London	ENG	147.5	53.8	94.1	313	141	454	104	47	151	144	198	78

Table 1.23 Age-standardised death rates per 100,000 and number of deaths for coronary heart disease (CHD), all ages by local authority, United Kingdom 2021/23

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					Age-standardised CHD death rates per 100,000 - Annual Average (3-Year)			Total number of CHD deaths 2021/23			Average number of annual CHD deaths for 2021/23			ASDR Rank (1 = highest death rate)		IMD - Rank of average rank (1= most deprived)
LA Code	LA/DC/UA	Ceremonial County (Eng/Wal)	Region/Nation	4N	Men	Women	Total	Men	Women	Total	Men	Women	Total	4N	UK-wide	4N
E09000023	Lewisham	Greater London	London	ENG	158.8	67.8	106.8	337	185	522	112	62	174	92	135	62
E09000024	Merton	Greater London	London	ENG	106.2	43.4	71.0	202	115	317	67	38	106	261	326	204
E09000025	Newham	Greater London	London	ENG	175.5	73.6	119.6	379	167	546	126	56	182	42	68	42
E09000026	Redbridge	Greater London	London	ENG	145.7	56.4	96.8	416	201	617	139	67	206	126	177	166
E09000027	Richmond upon Thames	Greater London	London	ENG	101.1	38.2	65.5	223	115	338	74	38	113	285	350	276
E09000028	Southwark	Greater London	London	ENG	141.6	51.5	90.1	270	126	396	90	42	132	158	217	70
E09000029	Sutton	Greater London	London	ENG	119.4	43.6	75.8	261	138	399	87	46	133	238	302	217
E09000030	Tower Hamlets	Greater London	London	ENG	183.4	63.9	117.5	274	106	380	91	35	127	46	75	49
E09000031	Waltham Forest	Greater London	London	ENG	151.6	64.3	103.1	332	171	503	111	57	168	101	147	79
E09000032	Wandsworth	Greater London	London	ENG	112.6	44.6	73.5	250	135	385	83	45	128	249	314	176
E09000033	Westminster	Greater London	London	ENG	103.3	46.8	72.1	188	107	295	63	36	98	257	322	129
E08000001	Bolton	Greater Manchester	North West	ENG	182.2	70.0	122.6	671	303	974	224	101	325	34	58	33
E08000002	Bury	Greater Manchester	North West	ENG	180.5	69.6	118.6	436	218	654	145	73	218	43	71	91
E08000003	Manchester	Greater Manchester	North West	ENG	226.6	94.5	154.8	901	443	1,344	300	148	448	2	6	6
E08000004	Oldham	Greater Manchester	North West	ENG	192.8	75.5	128.7	523	251	774	174	84	258	25	44	19
E08000005	Rochdale	Greater Manchester	North West	ENG	198.6	77.4	130.2	498	246	744	166	82	248	24	40	15
E08000006	Salford	Greater Manchester	North West	ENG	179.7	73.3	122.0	470	232	702	157	77	234	37	61	18
E08000007	Stockport	Greater Manchester	North West	ENG	170.1	69.3	114.1	694	396	1,090	231	132	363	60	93	122
E08000008	Tameside	Greater Manchester	North West	ENG	208.9	104.9	151.2	576	364	940	192	121	313	4	10	28
E08000009	Trafford	Greater Manchester	North West	ENG	166.1	70.0	112.4	482	274	756	161	91	252	64	100	182
E08000010	Wigan	Greater Manchester	North West	ENG	160.5	64.8	108.8	710	341	1,051	237	114	350	82	125	73
E07000084	Basingstoke and Deane	Hampshire	South East	ENG	122.0	55.0	85.4	281	158	439	94	53	146	189	252	232
E07000085	East Hampshire	Hampshire	South East	ENG	115.3	36.4	70.0	238	104	342	79	35	114	266	331	266
E07000086	Eastleigh	Hampshire	South East	ENG	138.9	46.8	87.4	265	124	389	88	41	130	172	232	268
E07000087	Fareham	Hampshire	South East	ENG	107.4	41.8	69.1	209	121	330	70	40	110	269	334	279
E07000088	Gosport	Hampshire	South East	ENG	137.2	48.5	87.6	165	80	245	55	27	82	168	228	125
E07000089	Hart	Hampshire	South East	ENG	94.4	48.5	69.6	137	92	229	46	31	76	268	333	296
E07000090	Havant	Hampshire	South East	ENG	131.2	41.4	81.0	277	122	399	92	41	133	211	274	113
E07000091	New Forest	Hampshire	South East	ENG	114.6	48.6	77.8	414	257	671	138	86	224	227	291	229
E06000044	Portsmouth	Hampshire	South East	ENG	149.6	64.7	102.5	326	190	516	109	63	172	103	149	58
E07000092	Rushmoor	Hampshire	South East	ENG	143.0	57.2	93.9	146	76	222	49	25	74	145	200	184
E06000045	Southampton	Hampshire	South East	ENG	172.4	83.4	123.4	422	260	682	141	87	227	32	56	60
E07000093	Test Valley	Hampshire	South East	ENG	117.4	43.9	77.0	233	116	349	78	39	116	232	296	245
E07000094	Winchester	Hampshire	South East	ENG	113.8	38.0	70.9	219	104	323	73	35	108	262	327	274
E06000019	Herefordshire, County of	Herefordshire	West Midlands	ENG	141.3	61.3	98.3	476	267	743	159	89	248	118	166	144
E07000095	Broxbourne	Hertfordshire	East of England	ENG	127.6	54.1	86.1	156	90	246	52	30	82	185	247	157
E07000096	Dacorum	Hertfordshire	East of England	ENG	91.2	36.4	60.7	178	96	274	59	32	91	290	355	230
E07000242	East Hertfordshire	Hertfordshire	East of England	ENG	117.8	45.8	78.1	237	119	356	79	40	119	226	290	288
E07000098	Hertsmere	Hertfordshire	East of England	ENG	100.4	32.8	61.9	139	64	203	46	21	68	287	352	218
E07000099	North Hertfordshire	Hertfordshire	East of England	ENG	120.0	47.4	79.2	221	119	340	74	40	113	219	282	254
E07000240	St Albans	Hertfordshire	East of England	ENG	88.2	37.1	60.0	166	97	263	55	32	88	292	357	287
E07000243	Stevenage	Hertfordshire	East of England	ENG	123.8	56.4	86.8	125	73	198	42	24	66	179	239	132
E07000102	Three Rivers	Hertfordshire	East of England	ENG	100.0	30.9	60.9	122	50	172	41	17	57	289	354	273
E07000103	Watford	Hertfordshire	East of England	ENG	121.9	39.5	74.6	114	52	166	38	17	55	245	310	193
E07000241	Welwyn Hatfield	Hertfordshire	East of England	ENG	102.6	46.8	72.1	144	91	235	48	30	78	258	323	212
E06000046	Isle of Wight	Isle of Wight	South East	ENG	143.1	50.9	91.1	395	187	582	132	62	194	154	211	93
E07000105	Ashford	Kent	South East	ENG	97.8	49.4	72.2	179	114	293	60	38	98	256	321	151
E07000106	Canterbury	Kent	South East	ENG	121.1	46.6	78.6	276	155	431	92	52	144	223	287	172
E07000107	Dartford	Kent	South East	ENG	116.0	40.9	73.8	134	63	197	45	21	66	247	312	146
E07000108	Dover	Kent	South East	ENG	129.5	54.7	88.5	246	131	377	82	44	126	163	223	108

Table 1.23 Age-standardised death rates per 100,000 and number of deaths for coronary heart disease (CHD), all ages by local authority, United Kingdom 2021/23

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					Age-standardised CHD death rates per 100,000 - Annual Average (3-Year)			Total number of CHD deaths 2021/23			Average number of annual CHD deaths for 2021/23			ASDR Rank (1 = highest death rate)		IMD - Rank of average rank (1= most deprived)
LA Code	LA/DC/UA	Ceremonial County (Eng/Wal)	Region/Nation	4N	Men	Women	Total	Men	Women	Total	Men	Women	Total	4N	UK-wide	4N
E07000112	Folkestone and Hythe (Shepway)	Kent	South East	ENG	129.1	52.5	87.4	240	129	369	80	43	123	171	231	86
E07000109	Gravesham	Kent	South East	ENG	163.8	61.9	107.9	212	103	315	71	34	105	86	129	116
E07000110	Maidstone	Kent	South East	ENG	124.0	37.1	75.2	291	117	408	97	39	136	243	308	177
E06000035	Medway	Kent	South East	ENG	146.7	58.6	98.4	475	237	712	158	79	237	117	165	89
E07000111	Sevenoaks	Kent	South East	ENG	118.5	36.6	72.5	220	94	314	73	31	105	255	320	237
E07000113	Swale	Kent	South East	ENG	145.5	50.3	91.5	281	125	406	94	42	135	152	209	55
E07000114	Thanet	Kent	South East	ENG	140.7	51.6	91.1	305	156	461	102	52	154	155	212	30
E07000115	Tonbridge and Malling	Kent	South East	ENG	120.6	38.7	74.6	216	92	308	72	31	103	246	311	224
E07000116	Tunbridge Wells	Kent	South East	ENG	89.9	35.3	60.2	147	82	229	49	27	76	291	356	258
E06000008	Blackburn with Darwen	Lancashire	North West	ENG	192.7	93.9	139.8	317	179	496	106	60	165	17	27	9
E06000009	Blackpool	Lancashire	North West	ENG	194.7	80.4	135.0	414	203	617	138	68	206	18	28	1
E07000117	Burnley	Lancashire	North West	ENG	213.8	105.2	156.2	257	152	409	86	51	136	1	5	8
E07000118	Chorley	Lancashire	North West	ENG	177.1	83.0	128.3	304	165	469	101	55	156	27	47	170
E07000119	Fylde	Lancashire	North West	ENG	115.7	50.7	81.1	187	108	295	62	36	98	210	273	186
E07000120	Hyndburn	Lancashire	North West	ENG	202.5	89.0	142.4	219	114	333	73	38	111	13	21	16
E07000121	Lancaster	Lancashire	North West	ENG	198.6	68.0	127.2	403	181	584	134	60	195	30	51	85
E07000122	Pendle	Lancashire	North West	ENG	187.8	88.1	133.8	228	129	357	76	43	119	19	30	32
E07000123	Preston	Lancashire	North West	ENG	221.5	94.4	152.7	360	189	549	120	63	183	3	8	44
E07000124	Ribble Valley	Lancashire	North West	ENG	123.8	52.9	86.9	134	73	207	45	24	69	178	238	264
E07000125	Rossendale	Lancashire	North West	ENG	215.6	98.2	150.2	198	112	310	66	37	103	5	11	88
E07000126	South Ribble	Lancashire	North West	ENG	153.0	76.3	111.6	260	162	422	87	54	141	66	103	194
E07000127	West Lancashire	Lancashire	North West	ENG	180.9	78.8	123.5	313	179	492	104	60	164	31	55	147
E07000128	Wyre	Lancashire	North West	ENG	161.5	72.0	111.6	343	203	546	114	68	182	67	104	121
E07000129	Blaby	Leicestershire	East Midlands	ENG	113.8	60.4	84.2	166	114	280	55	38	93	195	258	263
E07000130	Charnwood	Leicestershire	East Midlands	ENG	147.8	59.0	98.7	358	185	543	119	62	181	116	164	226
E07000131	Harborough	Leicestershire	East Midlands	ENG	122.4	48.5	81.8	189	93	282	63	31	94	206	269	290
E07000132	Hinckley and Bosworth	Leicestershire	East Midlands	ENG	136.6	58.6	94.7	243	128	371	81	43	124	138	192	222
E06000016	Leicester	Leicestershire	East Midlands	ENG	199.5	95.1	143.5	641	370	1,011	214	123	337	12	20	31
E07000133	Melton	Leicestershire	East Midlands	ENG	149.7	50.6	94.9	122	54	176	41	18	59	136	190	236
E07000134	North West Leicestershire	Leicestershire	East Midlands	ENG	154.7	71.2	110.8	229	124	353	76	41	118	75	115	205
E07000135	Oadby and Wigston	Leicestershire	East Midlands	ENG	169.7	62.5	109.9	148	79	227	49	26	76	79	120	231
E07000136	Boston	Lincolnshire	East Midlands	ENG	182.8	73.2	122.9	186	94	280	62	31	93	33	57	98
E07000137	East Lindsey	Lincolnshire	East Midlands	ENG	188.9	75.5	128.0	548	257	805	183	86	268	28	48	38
E07000138	Lincoln	Lincolnshire	East Midlands	ENG	160.7	80.4	115.6	174	112	286	58	37	95	51	82	59
E07000139	North Kesteven	Lincolnshire	East Midlands	ENG	121.3	59.5	87.8	237	144	381	79	48	127	167	227	255
E07000140	South Holland	Lincolnshire	East Midlands	ENG	160.6	67.1	110.4	262	136	398	87	45	133	77	118	161
E07000141	South Kesteven	Lincolnshire	East Midlands	ENG	147.8	51.0	94.1	335	151	486	112	50	162	143	197	221
E07000142	West Lindsey	Lincolnshire	East Midlands	ENG	139.3	58.1	95.0	223	114	337	74	38	112	135	189	128
E06000012	North East Lincolnshire	Lincolnshire	Yorkshire & The Humber	ENG	202.3	95.2	144.1	463	276	739	154	92	246	11	19	29
E06000013	North Lincolnshire	Lincolnshire	Yorkshire & The Humber	ENG	171.8	71.3	117.2	442	230	672	147	77	224	48	78	110
E08000011	Knowsley	Merseyside	North West	ENG	167.9	74.5	116.3	315	172	487	105	57	162	49	80	2
E08000012	Liverpool	Merseyside	North West	ENG	173.4	67.2	114.7	900	439	1,339	300	146	446	59	91	3
E08000014	Sefton	Merseyside	North West	ENG	140.0	63.5	97.6	622	385	1,007	207	128	336	120	170	57
E08000013	St. Helens	Merseyside	North West	ENG	168.7	66.9	113.1	440	213	653	147	71	218	63	98	26
E08000015	Wirral	Merseyside	North West	ENG	135.4	52.8	89.6	648	338	986	216	113	329	160	220	41
E07000143	Breckland	Norfolk	East of England	ENG	116.7	48.8	79.9	285	156	441	95	52	147	214	277	135
E07000144	Broadland	Norfolk	East of England	ENG	108.1	48.7	75.8	265	156	421	88	52	140	239	303	248
E07000145	Great Yarmouth	Norfolk	East of England	ENG	184.0	70.6	122.6	304	144	448	101	48	149	35	59	20
E07000146	King's Lynn and West Norfolk	Norfolk	East of England	ENG	129.1	51.9	87.2	354	183	537	118	61	179	173	233	90
E07000147	North Norfolk	Norfolk	East of England	ENG	127.0	53.0	85.9	295	163	458	98	54	153	186	249	119

Table 1.23 Age-standardised death rates per 100,000 and number of deaths for coronary heart disease (CHD), all ages by local authority, United Kingdom 2021/23

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					ALL AGES											
					Age-standardised CHD death rates per 100,000 - Annual Average (3-Year)			Total number of CHD deaths 2021/23			Average number of annual CHD deaths for 2021/23			ASDR Rank (1 = highest death rate)		IMD - Rank of average rank (1= most deprived)
LA Code	LA/DC/UA	Ceremonial County (Eng/Wal)	Region/Nation	4N	Men	Women	Total	Men	Women	Total	Men	Women	Total	4N	UK-wide	4N
E07000148	Norwich	Norfolk	East of England	ENG	146.8	61.8	100.5	225	126	351	75	42	117	111	157	51
E07000149	South Norfolk	Norfolk	East of England	ENG	109.9	41.8	71.9	264	134	398	88	45	133	259	324	225
E06000061	North Northamptonshire	Northamptonshire	East Midlands	ENG	129.3	50.0	85.9	591	283	874	197	94	291	187	250	133
E06000062	West Northamptonshire	Northamptonshire	East Midlands	ENG	131.2	46.7	84.8	678	298	976	226	99	325	193	256	162
E06000057	Northumberland	Northumberland	North East	ENG	145.6	57.6	96.9	791	402	1,193	264	134	398	125	176	111
E07000170	Ashfield	Nottinghamshire	East Midlands	ENG	183.3	87.8	130.4	313	191	504	104	64	168	23	39	67
E07000171	Bassetlaw	Nottinghamshire	East Midlands	ENG	173.6	72.3	118.4	318	163	481	106	54	160	45	73	101
E07000172	Broxtowe	Nottinghamshire	East Midlands	ENG	153.1	62.9	103.3	255	139	394	85	46	131	100	146	211
E07000173	Gedling	Nottinghamshire	East Midlands	ENG	156.3	68.4	108.0	273	156	429	91	52	143	85	128	199
E07000174	Mansfield	Nottinghamshire	East Midlands	ENG	188.3	77.5	127.6	276	147	423	92	49	141	29	49	45
E07000175	Newark and Sherwood	Nottinghamshire	East Midlands	ENG	160.7	63.4	107.7	307	152	459	102	51	153	87	130	137
E06000018	Nottingham	Nottinghamshire	East Midlands	ENG	224.7	85.9	148.6	626	304	930	209	101	310	7	14	11
E07000176	Rushcliffe	Nottinghamshire	East Midlands	ENG	134.3	41.4	82.6	244	110	354	81	37	118	204	267	294
E07000177	Cherwell	Oxfordshire	South East	ENG	105.4	38.2	68.4	213	101	314	71	34	105	273	338	208
E07000178	Oxford	Oxfordshire	South East	ENG	99.9	44.0	67.9	137	84	221	46	28	74	275	340	175
E07000179	South Oxfordshire	Oxfordshire	South East	ENG	102.0	37.0	65.8	226	110	336	75	37	112	282	347	283
E07000180	Vale of White Horse	Oxfordshire	South East	ENG	106.8	35.6	67.2	212	95	307	71	32	102	277	342	286
E07000181	West Oxfordshire	Oxfordshire	South East	ENG	108.6	38.7	69.1	192	96	288	64	32	96	270	335	281
E06000017	Rutland	Rutland	East Midlands	ENG	133.5	61.6	96.6	99	59	158	33	20	53	127	178	284
E06000051	Shropshire	Shropshire	West Midlands	ENG	114.0	48.1	78.7	660	353	1,013	220	118	338	222	286	167
E06000020	Telford and Wrekin	Shropshire	West Midlands	ENG	161.0	59.2	104.5	367	166	533	122	55	178	98	143	82
E06000022	Bath and North East Somerset	Somerset	South West	ENG	113.4	43.7	73.8	297	160	457	99	53	152	248	313	249
E06000024	North Somerset	Somerset	South West	ENG	97.1	48.2	70.7	349	232	581	116	77	194	263	328	187
E06000066	Somerset	Somerset	South West	ENG	128.8	46.3	83.4	1,256	616	1,872	419	205	624	200	263	150
E07000192	Cannock Chase	Staffordshire	West Midlands	ENG	162.2	85.1	121.4	224	145	369	75	48	123	39	64	126
E07000193	East Staffordshire	Staffordshire	West Midlands	ENG	165.3	64.7	108.7	263	138	401	88	46	134	83	126	138
E07000194	Lichfield	Staffordshire	West Midlands	ENG	127.2	55.4	86.4	213	124	337	71	41	112	184	246	234
E07000195	Newcastle-under-Lyme	Staffordshire	West Midlands	ENG	161.9	70.7	111.0	295	169	464	98	56	155	73	111	143
E07000196	South Staffordshire	Staffordshire	West Midlands	ENG	145.1	50.5	93.9	285	123	408	95	41	136	146	201	228
E07000197	Stafford	Staffordshire	West Midlands	ENG	140.7	62.5	98.3	313	176	489	104	59	163	119	167	220
E07000198	Staffordshire Moorlands	Staffordshire	West Midlands	ENG	165.8	58.9	107.0	285	129	414	95	43	138	91	134	196
E06000021	Stoke-on-Trent	Staffordshire	West Midlands	ENG	189.1	83.7	131.8	590	326	916	197	109	305	21	37	14
E07000199	Tamworth	Staffordshire	West Midlands	ENG	135.5	57.2	92.5	135	71	206	45	24	69	150	207	118
E07000200	Babergh	Suffolk	East of England	ENG	101.7	44.1	70.4	173	100	273	58	33	91	265	330	209
E07000244	East Suffolk	Suffolk	East of England	ENG	130.6	54.3	88.7	611	341	952	204	114	317	162	222	136
E07000202	Ipswich	Suffolk	East of England	ENG	129.2	58.8	91.4	216	132	348	72	44	116	153	210	69
E07000203	Mid Suffolk	Suffolk	East of England	ENG	115.9	41.5	75.6	210	94	304	70	31	101	240	304	227
E07000245	West Suffolk	Suffolk	East of England	ENG	127.9	47.4	83.3	336	163	499	112	54	166	201	264	179
E07000207	Elmbridge	Surrey	South East	ENG	114.7	38.6	69.9	206	108	314	69	36	105	267	332	291
E07000208	Epsom and Ewell	Surrey	South East	ENG	84.1	33.8	55.8	85	49	134	28	16	45	294	359	280
E07000209	Guildford	Surrey	South East	ENG	100.5	41.8	66.6	180	105	285	60	35	95	278	343	277
E07000210	Mole Valley	Surrey	South East	ENG	85.4	37.5	58.8	128	79	207	43	26	69	293	358	275
E07000211	Reigate and Banstead	Surrey	South East	ENG	100.6	38.0	66.1	195	113	308	65	38	103	280	345	259
E07000212	Runnymede	Surrey	South East	ENG	145.2	55.5	94.8	160	85	245	53	28	82	137	191	242
E07000213	Spelthorne	Surrey	South East	ENG	128.3	52.4	86.5	171	99	270	57	33	90	183	245	198
E07000214	Surrey Heath	Surrey	South East	ENG	92.4	41.1	64.8	123	79	202	41	26	67	286	351	289
E07000215	Tandridge	Surrey	South East	ENG	97.6	33.1	61.4	128	61	189	43	20	63	288	353	246
E07000216	Waverley	Surrey	South East	ENG	113.5	42.9	72.5	230	133	363	77	44	121	254	319	293
E07000217	Woking	Surrey	South East	ENG	108.9	46.5	75.8	140	83	223	47	28	74	237	301	261
E08000037	Gateshead	Tyne & Wear	North East	ENG	165.5	66.2	110.9	452	237	689	151	79	230	74	113	46

Table 1.23 Age-standardised death rates per 100,000 and number of deaths for coronary heart disease (CHD), all ages by local authority, United Kingdom 2021/23

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					ALL AGES											
					Age-standardised CHD death rates per 100,000 - Annual Average (3-Year)			Total number of CHD deaths 2021/23			Average number of annual CHD deaths for 2021/23			ASDR Rank (1 = highest death rate)		IMD - Rank of average rank (1= most deprived)
LA Code	LA/DC/UA	Ceremonial County (Eng/Wal)	Region/Nation	4N	Men	Women	Total	Men	Women	Total	Men	Women	Total	4N	UK-wide	4N
E08000021	Newcastle upon Tyne	Tyne & Wear	North East	ENG	159.0	70.7	110.7	506	293	799	169	98	266	76	116	40
E08000022	North Tyneside	Tyne & Wear	North East	ENG	156.9	65.7	105.0	446	253	699	149	84	233	96	140	106
E08000023	South Tyneside	Tyne & Wear	North East	ENG	153.6	73.1	109.2	324	198	522	108	66	174	80	123	27
E08000024	Sunderland	Tyne & Wear	North East	ENG	153.9	56.4	100.2	593	272	865	198	91	288	112	158	34
E07000218	North Warwickshire	Warwickshire	West Midlands	ENG	152.3	55.0	99.7	157	66	223	52	22	74	115	163	160
E07000219	Nuneaton and Bedworth	Warwickshire	West Midlands	ENG	149.9	57.6	100.0	271	129	400	90	43	133	113	159	92
E07000220	Rugby	Warwickshire	West Midlands	ENG	148.9	51.5	96.5	230	97	327	77	32	109	128	179	215
E07000221	Stratford-on-Avon	Warwickshire	West Midlands	ENG	97.2	40.3	65.8	233	131	364	78	44	121	283	348	250
E07000222	Warwick	Warwickshire	West Midlands	ENG	114.3	51.3	80.3	231	136	367	77	45	122	213	276	243
E08000025	Birmingham	West Midlands	West Midlands	ENG	175.9	65.9	115.6	1,945	935	2,880	648	312	960	50	81	7
E08000026	Coventry	West Midlands	West Midlands	ENG	163.2	66.4	111.4	606	312	918	202	104	306	68	105	75
E08000027	Dudley	West Midlands	West Midlands	ENG	181.0	70.0	119.8	821	417	1,238	274	139	413	41	67	87
E08000028	Sandwell	West Midlands	West Midlands	ENG	214.4	92.9	148.0	774	427	1,201	258	142	400	8	15	12
E08000029	Solihull	West Midlands	West Midlands	ENG	131.1	47.4	83.8	421	208	629	140	69	210	197	260	165
E08000030	Walsall	West Midlands	West Midlands	ENG	190.3	85.9	132.8	672	384	1,056	224	128	352	20	33	25
E08000031	Wolverhampton	West Midlands	West Midlands	ENG	196.3	79.5	131.5	614	318	932	205	106	311	22	38	24
E07000223	Adur	West Sussex	South East	ENG	126.1	52.2	83.4	127	78	205	42	26	68	199	262	163
E07000224	Arun	West Sussex	South East	ENG	126.6	54.4	86.7	400	254	654	133	85	218	180	240	148
E07000225	Chichester	West Sussex	South East	ENG	125.3	37.6	75.6	291	124	415	97	41	138	241	305	216
E07000226	Crawley	West Sussex	South East	ENG	129.7	47.9	83.3	148	72	220	49	24	73	202	265	141
E07000227	Horsham	West Sussex	South East	ENG	107.1	41.8	71.3	255	140	395	85	47	132	260	325	272
E07000228	Mid Sussex	West Sussex	South East	ENG	106.0	38.3	67.8	238	122	360	79	41	120	276	341	292
E07000229	Worthing	West Sussex	South East	ENG	138.0	48.5	87.0	237	130	367	79	43	122	176	236	168
E06000030	Swindon	Wiltshire	South West	ENG	135.1	59.0	93.7	371	198	569	124	66	190	148	204	149
E06000054	Wiltshire	Wiltshire	South West	ENG	120.9	44.7	78.7	944	479	1,423	315	160	474	221	285	223
E07000234	Bromsgrove	Worcestershire	West Midlands	ENG	133.5	50.6	86.7	211	111	322	70	37	107	181	241	252
E07000235	Malvern Hills	Worcestershire	West Midlands	ENG	124.5	39.2	77.2	193	84	277	64	28	92	231	295	183
E07000236	Redditch	Worcestershire	West Midlands	ENG	148.8	56.0	97.1	158	74	232	53	25	77	123	174	102
E07000237	Worcester	Worcestershire	West Midlands	ENG	148.3	63.8	101.8	194	108	302	65	36	101	106	152	127
E07000238	Wychavon	Worcestershire	West Midlands	ENG	121.8	42.2	78.4	278	124	402	93	41	134	224	288	188
E07000239	Wyre Forest	Worcestershire	West Midlands	ENG	143.7	56.0	96.2	253	124	377	84	41	126	132	183	104
E06000011	East Riding of Yorkshire	Yorkshire (East Riding)	Yorkshire & The Humber	ENG	148.1	62.3	101.4	920	498	1,418	307	166	473	107	153	192
E06000010	Kingston upon Hull, City of	Yorkshire (East Riding)	Yorkshire & The Humber	ENG	227.4	86.0	150.1	661	306	967	220	102	322	6	12	4
E06000002	Middlesbrough	Yorkshire (North Yorkshire)	North East	ENG	170.7	94.2	128.5	291	199	490	97	66	163	26	45	5
E06000003	Redcar and Cleveland	Yorkshire (North Yorkshire)	North East	ENG	157.9	61.9	105.2	344	167	511	115	56	170	95	139	39
E06000065	North Yorkshire	Yorkshire (North Yorkshire)	Yorkshire & The Humber	ENG	143.1	59.7	97.2	1,518	833	2,351	506	278	784	122	173	201
E06000014	York	Yorkshire (North Yorkshire)	Yorkshire & The Humber	ENG	142.8	59.6	95.7	376	226	602	125	75	201	133	184	251
E08000016	Barnsley	Yorkshire (South Yorkshire)	Yorkshire & The Humber	ENG	176.2	76.6	121.8	581	312	893	194	104	298	38	62	37
E08000017	Doncaster	Yorkshire (South Yorkshire)	Yorkshire & The Humber	ENG	205.0	99.4	147.6	859	517	1,376	286	172	459	9	16	36
E08000018	Rotherham	Yorkshire (South Yorkshire)	Yorkshire & The Humber	ENG	189.7	98.0	140.4	697	438	1,135	232	146	378	16	26	43
E08000019	Sheffield	Yorkshire (South Yorkshire)	Yorkshire & The Humber	ENG	170.2	70.6	115.1	1,137	617	1,754	379	206	585	54	85	56
E08000032	Bradford	Yorkshire (West Yorkshire)	Yorkshire & The Humber	ENG	218.2	89.9	147.1	1,285	677	1,962	428	226	654	10	17	13
E08000033	Calderdale	Yorkshire (West Yorkshire)	Yorkshire & The Humber	ENG	161.1	64.5	107.0	424	224	648	141	75	216	90	133	65
E08000034	Kirklees	Yorkshire (West Yorkshire)	Yorkshire & The Humber	ENG	167.5	72.7	115.2	890	497	1,387	297	166	462	53	84	80
E08000035	Leeds	Yorkshire (West Yorkshire)	Yorkshire & The Humber	ENG	157.7	64.7	105.9	1,404	765	2,169	468	255	723	93	137	54
E08000036	Wakefield	Yorkshire (West Yorkshire)	Yorkshire & The Humber	ENG	164.7	67.2	111.0	751	387	1,138	250	129	379	72	110	53
N09000001	Antrim and Newtownabbey		Northern Ireland	NI	114.2	64.1	86.5	196	144	340	65	48	113	9	243	10
N09000011	Ards and North Down		Northern Ireland	NI	107.4	49.7	75.3	253	158	411	84	53	137	11	306	9
N09000002	Armagh City, Banbridge and Craigavon		Northern Ireland	NI	129.9	59.2	89.7	304	189	493	101	63	164	8	219	7
N09000003	Belfast		Northern Ireland	NI	163.5	70.4	110.5	571	349	920	190	116	307	1	117	4

Table 1.23 Age-standardised death rates per 100,000 and number of deaths for coronary heart disease (CHD), all ages by local authority, United Kingdom 2021/23

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					ALL AGES											
					Age-standardised CHD death rates per 100,000 - Annual Average (3-Year)			Total number of CHD deaths 2021/23			Average number of annual CHD deaths for 2021/23			ASDR Rank (1 = highest death rate)		IMD - Rank of average rank (1= most deprived)
LA Code	LA/DC/UA	Ceremonial County (Eng/Wal)	Region/Nation	4N	Men	Women	Total	Men	Women	Total	Men	Women	Total	4N	UK-wide	4N
N09000004	Causeway Coast and Glens		Northern Ireland	NI	139.9	54.7	92.7	257	131	388	86	44	129	6	206	5
N09000005	Derry City and Strabane		Northern Ireland	NI	156.4	59.3	100.0	241	118	359	80	39	120	2	160	1
N09000006	Fermanagh and Omagh		Northern Ireland	NI	146.1	54.9	95.5	209	101	310	70	34	103	3	185	2
N09000007	Lisburn and Castlereagh		Northern Ireland	NI	117.2	47.9	79.0	214	119	333	71	40	111	10	283	11
N09000008	Mid and East Antrim		Northern Ireland	NI	137.6	60.5	93.8	249	150	399	83	50	133	5	202	8
N09000009	Mid Ulster		Northern Ireland	NI	130.8	66.8	95.5	199	132	331	66	44	110	4	186	6
N09000010	Newry, Mourne and Down		Northern Ireland	NI	134.6	57.3	90.7	275	153	428	92	51	143	7	215	3
S12000033	Aberdeen City		Scotland	SCO	168.6	79.9	119.3	429	278	707	143	93	236	21	69	26
S12000034	Aberdeenshire		Scotland	SCO	142.6	72.8	104.6	530	331	861	177	110	287	28	142	30
S12000041	Angus		Scotland	SCO	136.8	78.6	104.1	259	193	452	86	64	151	29	144	20
S12000035	Argyll and Bute		Scotland	SCO	149.5	76.7	110.9	233	145	378	78	48	126	27	114	19
S12000036	City of Edinburgh		Scotland	SCO	163.6	75.6	114.8	923	584	1,507	308	195	502	24	89	29
S12000005	Clackmannanshire		Scotland	SCO	246.6	125.4	178.3	166	107	273	55	36	91	1	1	8
S12000006	Dumfries and Galloway		Scotland	SCO	175.1	87.8	127.3	459	288	747	153	96	249	16	50	12
S12000042	Dundee City		Scotland	SCO	192.4	81.0	129.8	350	197	547	117	66	182	13	41	6
S12000008	East Ayrshire		Scotland	SCO	228.3	113.4	164.8	384	239	623	128	80	208	2	3	7
S12000045	East Dunbartonshire		Scotland	SCO	140.4	59.1	94.1	242	141	383	81	47	128	31	199	31
S12000010	East Lothian		Scotland	SCO	156.3	75.4	111.0	250	155	405	83	52	135	26	112	22
S12000011	East Renfrewshire		Scotland	SCO	117.7	60.6	86.0	166	121	287	55	40	96	32	248	32
S12000014	Falkirk		Scotland	SCO	193.5	98.8	141.4	402	257	659	134	86	220	8	25	16
S12000047	Fife		Scotland	SCO	188.4	87.5	132.7	996	598	1,594	332	199	531	10	34	17
S12000049	Glasgow City		Scotland	SCO	223.9	108.5	160.1	1,364	853	2,217	455	284	739	3	4	2
S12000017	Highland		Scotland	SCO	181.5	80.3	125.6	662	374	1,036	221	125	345	17	53	18
S12000018	Inverclyde		Scotland	SCO	194.6	84.1	132.5	219	133	352	73	44	117	12	36	4
S12000019	Midlothian		Scotland	SCO	169.4	76.7	116.5	196	116	312	65	39	104	23	79	14
S12000020	Moray		Scotland	SCO	167.7	81.6	121.1	240	150	390	80	50	130	20	65	23
S12000013	Na h-Eileanan Siar		Scotland	SCO	201.9	104.7	151.6	97	63	160	32	21	53	5	9	10
S12000021	North Ayrshire		Scotland	SCO	185.7	111.0	145.4	383	287	670	128	96	223	7	18	3
S12000050	North Lanarkshire		Scotland	SCO	212.2	100.1	148.8	846	509	1,355	282	170	452	6	13	5
S12000023	Orkney Islands		Scotland	SCO	137.1	86.6	111.2	51	41	92	17	14	31	25	107	24
S12000048	Perth and Kinross		Scotland	SCO	141.8	61.2	97.6	360	201	561	120	67	187	30	169	28
S12000038	Renfrewshire		Scotland	SCO	189.7	81.1	129.0	461	256	717	154	85	239	15	43	9
S12000026	Scottish Borders		Scotland	SCO	162.0	87.2	121.7	332	223	555	111	74	185	19	63	21
S12000027	Shetland Islands		Scotland	SCO	150.1	88.8	118.2	51	36	87	17	12	29	22	74	25
S12000028	South Ayrshire		Scotland	SCO	193.0	83.7	132.7	374	215	589	125	72	196	11	35	13
S12000029	South Lanarkshire		Scotland	SCO	184.1	79.7	124.9	787	453	1,240	262	151	413	18	54	11
S12000030	Stirling		Scotland	SCO	188.8	84.7	129.5	234	139	373	78	46	124	14	42	27
S12000039	West Dunbartonshire		Scotland	SCO	220.3	102.8	154.4	251	153	404	84	51	135	4	7	1
S12000040	West Lothian		Scotland	SCO	189.6	89.3	134.6	409	229	638	136	76	213	9	29	15
W06000003	Conwy	Clwyd	Wales / Cymru	WAL	177.8	64.4	114.4	372	183	552	124	61	184	9	92	17
W06000004	Denbighshire / Sir Ddinbych	Clwyd	Wales / Cymru	WAL	167.8	72.9	119.1	276	153	439	92	51	146	7	70	9
W06000005	Flintshire / Sir y Fflint	Clwyd	Wales / Cymru	WAL	158.4	64.6	106.8	365	184	547	122	61	182	16	136	20
W06000006	Wrexham / Wrecsam	Clwyd	Wales / Cymru	WAL	182.9	72.7	125.7	350	175	536	117	58	179	6	52	14
W06000010	Carmarthenshire / Sir Gaerfyrddin	Dyfed	Wales / Cymru	WAL	165.1	70.4	113.5	512	277	787	171	92	262	10	94	8
W06000008	Ceredigion	Dyfed	Wales / Cymru	WAL	137.7	68.6	99.9	171	109	279	57	36	93	17	162	16
W06000009	Pembrokeshire / Sir Benfro	Dyfed	Wales / Cymru	WAL	163.6	63.3	109.3	358	180	543	119	60	181	15	122	12
W06000019	Blaenau Gwent	Gwent	Wales / Cymru	WAL	236.2	119.3	172.2	220	134	353	73	45	118	1	2	1
W06000018	Caerphilly / Caerffili	Gwent	Wales / Cymru	WAL	205.3	85.5	141.9	489	253	753	163	84	251	2	24	6
W06000021	Monmouthshire / Sir Fynwy	Gwent	Wales / Cymru	WAL	153.9	51.5	97.8	262	116	378	87	39	126	18	168	22
W06000022	Newport / Casnewydd	Gwent	Wales / Cymru	WAL	194.6	84.5	133.5	372	207	577	124	69	192	4	32	5

Table 1.23 Age-standardised death rates per 100,000 and number of deaths for coronary heart disease (CHD), all ages by local authority, United Kingdom 2021/23

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					ALL AGES											
					Age-standardised CHD death rates per 100,000 - Annual Average (3-Year)			Total number of CHD deaths 2021/23			Average number of annual CHD deaths for 2021/23			ASDR Rank (1 = highest death rate)		IMD - Rank of average rank (1= most deprived)
LA Code	LA/DC/UA	Ceremonial County (Eng/Wal)	Region/Nation	4N	Men	Women	Total	Men	Women	Total	Men	Women	Total	4N	UK-wide	4N
W06000020	Torfaen / Tor-faen	Gwent	Wales / Cymru	WAL	198.5	77.0	133.6	257	128	393	86	43	131	3	31	7
W06000002	Gwynedd	Gwynedd	Wales / Cymru	WAL	165.4	66.9	113.3	311	171	486	104	57	162	11	95	18
W06000001	Isle of Anglesey / Ynys Môn	Gwynedd	Wales / Cymru	WAL	152.5	76.2	111.9	190	121	311	63	40	104	13	102	15
W06000013	Bridgend / Pen-y-bont ar Ogwr	Mid Glamorgan / Morgannwg Ganol	Wales / Cymru	WAL	118.0	62.7	86.5	252	164	408	84	55	136	22	244	10
W06000024	Merthyr Tydfil / Merthyr Tudful	Mid Glamorgan / Morgannwg Ganol	Wales / Cymru	WAL	191.7	65.1	128.5	153	59	218	51	20	73	5	46	2
W06000016	Rhondda Cynon Taf / Rhondda Cynon Taf	Mid Glamorgan / Morgannwg Ganol	Wales / Cymru	WAL	161.0	70.1	109.9	514	274	780	171	91	260	14	121	4
W06000023	Powys	Powys	Wales / Cymru	WAL	150.9	49.7	97.4	379	165	556	126	55	185	19	171	19
W06000015	Cardiff / Caerdydd	South Glamorgan / De Morgannwg	Wales / Cymru	WAL	147.0	52.5	95.0	541	258	810	180	86	270	20	188	11
W06000014	Vale of Glamorgan / Bro Morgannwg	South Glamorgan / De Morgannwg	Wales / Cymru	WAL	140.6	51.4	90.7	272	137	407	91	46	136	21	216	21
W06000012	Neath Port Talbot / Castell-nedd Port Talbot	West Glamorgan / Gorllewin Morgannwg	Wales / Cymru	WAL	155.8	75.9	112.5	325	195	516	108	65	172	12	99	3
W06000011	Swansea / Abertawe	West Glamorgan / Gorllewin Morgannwg	Wales / Cymru	WAL	183.1	63.2	117.5	615	275	892	205	92	297	8	76	13

Notes:

ICD-10 codes I20-I25. Directly age-standardised using the 2013 European Standard Population. Some of the data for England and Wales have been suppressed.
* indicates number of deaths considered too small to calculate rate. City of London and Isles of Scilly excluded from ASDR analysis - sui generis status (small population)
**Average IMD ranks calculated with different methodology, depending on nation. For England, we have used the rank of average lower super output area (LSOA) score, to align with the Office for Health Improvement and Disparities (OHID) Fingertips rankings
For Scotland, Wales, and Northern Ireland, we have used population-weighted average rank of all the small census areas in each local authority area, in line with previous editions of the Compendium.
Northern Ireland death rates (columns F, G & H) are provisional as local population estimates for 2023 were not available when this analysis was finalised - updates to follow at a later date.
UK local authorities correct May 2025
Totals for male & female deaths may not equal total due to suppression of age-band cohorts in Nomis data - England & Wales only

Citation:

BHF (2025) Analysis of official UK mortality data

Source:

England: Number of deaths and mortality rates are taken from OHID's Mortality Profile
Wales: Number of deaths are taken from Nomis Mortality Statistics, mortality rates calculated by the BHF
Scotland: Mortality rates calculated in partnership with NRS (National Records of Scotland)
Northern Ireland: Mortality rates calculated in partnership with Northern Ireland Statistics and Research Agency
England: Rankings from OHID Fingertips; original source data - English Indices of Deprivation
Wales: Average IMD ranks calculated from Welsh Index of Multiple Deprivation
Scotland: Average IMD ranks calculated from Scottish Index of Multiple Deprivation
Northern Ireland: Average IMD ranks calculated from Northern Ireland Multiple Deprivation Measures

<https://fingertips.phe.org.uk/profile/mortality-profile/>
<https://www.nomisweb.co.uk/datasets/mortsa>

<https://www.gov.uk/government/statistics/english-indices-of-deprivation-2019>
<https://statswales.gov.wales/Catalogue/Community-Safety-and-Social-Inclusion/Welsh-Index-of-Multiple-Deprivation>
<https://www.gov.scot/collections/scottish-index-of-multiple-deprivation-2020/>
<https://www.nisra.gov.uk/statistics/deprivation>

Table 1.24 Age-standardised death rates per 100,000 and number of deaths for coronary heart disease (CHD), under 75s by local authority, United Kingdom 2021/23

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					UNDER 75											
					Age-standardised premature CHD death rates per 100,000 - Annual Average (3-Year)			Total number of premature CHD deaths - 2021/23			Average number of annual prem CHD deaths - 2021/23			ASDR Rank (1 = highest death rate)		IMD - Rank** (1= most deprived)
LA Code	LA/DC/UA	Ceremonial County (Eng/Wal)	Region/Nation	4N	Men	Women	Total	Men	Women	Total	Men	Women	Total	4N	UK-wide	4N
E06000055	Bedford	Bedfordshire	East of England	ENG	61.5	19.7	40.0	138	47	185	46	16	62	133	177	142
E06000056	Central Bedfordshire	Bedfordshire	East of England	ENG	54.9	13.4	33.5	211	54	265	70	18	88	190	247	240
E06000032	Luton	Bedfordshire	East of England	ENG	71.6	21.1	46.4	155	44	199	52	15	66	82	119	68
E06000036	Bracknell Forest	Berkshire	South East	ENG	52.0	20.7	35.9	78	32	110	26	11	37	175	229	267
E06000038	Reading	Berkshire	South East	ENG	56.3	17.0	36.3	93	29	122	31	10	41	170	224	134
E06000039	Slough	Berkshire	South East	ENG	99.5	42.5	71.1	144	58	202	48	19	67	4	8	99
E06000037	West Berkshire	Berkshire	South East	ENG	45.0	12.4	28.3	100	29	129	33	10	43	239	304	271
E06000040	Windsor and Maidenhead	Berkshire	South East	ENG	49.0	11.7	29.9	97	24	121	32	8	40	226	289	285
E06000041	Wokingham	Berkshire	South East	ENG	43.0	9.4	25.8	93	21	114	31	7	38	259	324	295
E06000023	Bristol, City of	Bristol	South West	ENG	65.4	17.6	41.2	299	83	382	100	28	127	123	166	64
E06000060	Buckinghamshire	Buckinghamshire	South East	ENG	45.8	11.7	28.2	327	88	415	109	29	138	240	305	269
E06000042	Milton Keynes	Buckinghamshire	South East	ENG	52.1	19.1	35.1	168	65	233	56	22	78	179	234	158
E07000008	Cambridge	Cambridgeshire	East of England	ENG	47.6	11.5	29.3	59	14	73	20	5	24	230	293	200
E07000009	East Cambridgeshire	Cambridgeshire	East of England	ENG	40.6	17.4	28.8	50	23	73	17	8	24	234	298	256
E07000010	Fenland	Cambridgeshire	East of England	ENG	81.5	25.3	52.6	121	40	161	40	13	54	51	74	77
E07000011	Huntingdonshire	Cambridgeshire	East of England	ENG	53.2	21.3	36.8	134	57	191	45	19	64	160	212	235
E06000031	Peterborough	Cambridgeshire	East of England	ENG	82.8	20.0	50.3	188	48	236	63	16	79	62	90	50
E07000012	South Cambridgeshire	Cambridgeshire	East of England	ENG	45.4	10.1	27.1	96	23	119	32	8	40	250	315	282
E06000049	Cheshire East	Cheshire	North West	ENG	59.5	17.5	37.9	347	108	455	116	36	152	147	197	207
E06000050	Cheshire West and Chester	Cheshire	North West	ENG	64.5	17.3	40.2	326	92	418	109	31	139	132	176	154
E06000006	Halton	Cheshire	North West	ENG	98.5	40.0	68.3	174	76	250	58	25	83	11	18	23
E06000007	Warrington	Cheshire	North West	ENG	78.0	31.5	54.3	224	92	316	75	31	105	43	64	140
E06000052	Cornwall	Cornwall	South West	ENG	59.2	18.0	37.8	531	179	710	177	60	237	148	198	97
E06000053	Isles of Scilly	Cornwall	South West	ENG	*	*	*	*	*	*	*	*	*	*	*	243
E06000047	County Durham	County Durham	North East	ENG	68.8	27.1	47.5	525	219	744	175	73	248	75	107	61
E06000005	Darlington	County Durham	North East	ENG	67.1	17.9	41.8	102	29	131	34	10	44	116	159	74
E06000001	Hartlepool	County Durham	North East	ENG	73.2	32.9	52.6	98	46	144	33	15	48	50	73	10
E06000004	Stockton-on-Tees	County Durham	North East	ENG	64.5	20.5	41.9	174	59	233	58	20	78	115	158	71
E06000063	Cumberland	Cumbria	North West	ENG	71.7	25.7	48.4	305	112	417	102	37	139	73	104	96
E06000064	Westmorland and Furness	Cumbria	North West	ENG	59.5	14.6	36.6	221	59	280	74	20	93	165	219	139
E07000032	Amber Valley	Derbyshire	East Midlands	ENG	67.9	15.4	41.3	131	31	162	44	10	54	122	165	159
E07000033	Bolsover	Derbyshire	East Midlands	ENG	71.3	23.0	46.8	82	28	110	27	9	37	80	115	81
E07000034	Chesterfield	Derbyshire	East Midlands	ENG	71.6	23.8	47.1	110	38	148	37	13	49	79	113	83
E06000015	Derby	Derbyshire	East Midlands	ENG	80.0	23.8	51.4	241	75	316	80	25	105	56	82	66
E07000035	Derbyshire Dales	Derbyshire	East Midlands	ENG	57.2	9.2	32.7	73	11	84	24	4	28	199	259	247
E07000036	Erewash	Derbyshire	East Midlands	ENG	61.1	24.3	42.2	97	40	137	32	13	46	112	155	145
E07000037	High Peak	Derbyshire	East Midlands	ENG	58.6	26.2	42.2	84	39	123	28	13	41	111	154	191
E07000038	North East Derbyshire	Derbyshire	East Midlands	ENG	56.4	16.8	36.0	90	29	119	30	10	40	173	227	164
E07000039	South Derbyshire	Derbyshire	East Midlands	ENG	67.3	20.0	43.1	99	31	130	33	10	43	106	147	206
E07000040	East Devon	Devon	South West	ENG	34.3	9.7	21.3	84	28	112	28	9	37	285	350	233
E07000041	Exeter	Devon	South West	ENG	57.5	16.9	36.4	82	26	108	27	9	36	169	223	180
E07000042	Mid Devon	Devon	South West	ENG	36.1	11.4	23.4	46	16	62	15	5	21	278	343	169
E07000043	North Devon	Devon	South West	ENG	61.8	18.9	39.7	97	30	127	32	10	42	138	183	124
E06000026	Plymouth	Devon	South West	ENG	80.2	19.8	49.2	266	70	336	89	23	112	69	98	63
E07000044	South Hams	Devon	South West	ENG	35.5	6.4	20.3	55	11	66	18	4	22	291	356	219
E07000045	Teignbridge	Devon	South West	ENG	47.6	15.0	30.5	105	38	143	35	13	48	217	278	185
E06000027	Torbay	Devon	South West	ENG	77.4	14.4	45.2	170	34	204	57	11	68	94	132	47
E07000046	Torridge	Devon	South West	ENG	39.7	17.2	28.0	46	22	68	15	7	23	241	306	94

Table 1.24 Age-standardised death rates per 100,000 and number of deaths for coronary heart disease (CHD), under 75s by local authority, United Kingdom 2021/23

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					UNDER 75												
					Age-standardised premature CHD death rates per 100,000 - Annual Average (3-Year)			Total number of premature CHD deaths - 2021/23			Average number of annual prem CHD deaths - 2021/23			ASDR Rank (1 = highest death rate)		IMD - Rank** (1= most deprived)	
LA Code	LA/DC/UA	Ceremonial County (Eng/Wal)	Region/Nation	4N	Men	Women	Total	Men	Women	Total	Men	Women	Total	4N		UK-wide	4N
E07000047	West Devon	Devon	South West	ENG	50.8	11.2	30.5	50	13	63	17	4	21	219		280	155
E06000058	Bournemouth, Christchurch and Poole	Dorset	South West	ENG	59.8	12.6	35.4	315	73	388	105	24	129	177		231	153
E06000059	Dorset	Dorset	South West	ENG	42.8	12.4	26.9	278	92	370	93	31	123	251		316	190
E06000043	Brighton and Hove	East Sussex	South East	ENG	55.3	13.4	34.1	170	40	210	57	13	70	186		243	123
E07000061	Eastbourne	East Sussex	South East	ENG	51.1	14.2	31.6	73	23	96	24	8	32	207		267	109
E07000062	Hastings	East Sussex	South East	ENG	64.9	20.0	41.8	84	27	111	28	9	37	118		161	17
E07000063	Lewes	East Sussex	South East	ENG	48.8	10.6	28.8	75	19	94	25	6	31	233		297	189
E07000064	Rother	East Sussex	South East	ENG	49.6	9.5	28.3	81	18	99	27	6	33	237		302	131
E07000065	Wealden	East Sussex	South East	ENG	33.7	9.7	21.1	87	28	115	29	9	38	287		352	238
E07000066	Basildon	Essex	East of England	ENG	58.6	23.1	39.9	128	56	184	43	19	61	134		179	95
E07000067	Braintree	Essex	East of England	ENG	51.4	17.6	34.0	110	41	151	37	14	50	188		245	202
E07000068	Brentwood	Essex	East of England	ENG	48.7	10.6	29.0	48	11	59	16	4	20	231		295	270
E07000069	Castle Point	Essex	East of England	ENG	49.5	12.8	30.1	65	18	83	22	6	28	224		286	171
E07000070	Chelmsford	Essex	East of England	ENG	52.0	17.1	33.9	120	42	162	40	14	54	189		246	239
E07000071	Colchester	Essex	East of England	ENG	40.7	20.4	30.2	93	51	144	31	17	48	222		284	174
E07000072	Epping Forest	Essex	East of England	ENG	67.0	13.1	39.0	117	25	142	39	8	47	140		186	195
E07000073	Harlow	Essex	East of England	ENG	76.5	26.0	50.5	80	28	108	27	9	36	61		89	117
E07000074	Maldon	Essex	East of England	ENG	39.4	8.8	23.8	43	10	53	14	3	18	274		339	213
E07000075	Rochford	Essex	East of England	ENG	52.3	13.6	32.1	64	19	83	21	6	28	202		262	265
E06000033	Southend-on-Sea	Essex	East of England	ENG	60.6	17.2	38.2	140	43	183	47	14	61	146		195	105
E07000076	Tendring	Essex	East of England	ENG	64.1	24.8	43.6	158	69	227	53	23	76	99		139	35
E06000034	Thurrock	Essex	East of England	ENG	63.5	23.1	42.9	117	43	160	39	14	53	107		149	120
E07000077	Uttlesford	Essex	East of England	ENG	36.3	11.4	23.6	47	15	62	16	5	21	276		341	278
E07000078	Cheltenham	Gloucestershire	South West	ENG	72.4	15.6	43.3	108	25	133	36	8	44	104		144	210
E07000079	Cotswold	Gloucestershire	South West	ENG	49.5	12.6	30.3	70	19	89	23	6	30	220		281	260
E07000080	Forest of Dean	Gloucestershire	South West	ENG	71.0	15.1	42.3	95	22	117	32	7	39	110		153	156
E07000081	Gloucester	Gloucestershire	South West	ENG	94.6	22.8	57.8	150	37	187	50	12	62	32		50	112
E06000025	South Gloucestershire	Gloucestershire	South West	ENG	46.3	10.3	27.8	167	39	206	56	13	69	243		308	253
E07000082	Stroud	Gloucestershire	South West	ENG	54.5	12.7	33.0	102	26	128	34	9	43	195		254	262
E07000083	Tewkesbury	Gloucestershire	South West	ENG	62.3	17.2	38.8	84	25	109	28	8	36	141		187	241
E09000002	Barking and Dagenham	Greater London	London	ENG	94.3	30.3	60.8	163	55	218	54	18	73	27		37	21
E09000003	Barnet	Greater London	London	ENG	48.7	13.8	30.5	204	60	264	68	20	88	218		279	181
E09000004	Bexley	Greater London	London	ENG	53.3	16.9	34.4	152	52	204	51	17	68	183		240	178
E09000005	Brent	Greater London	London	ENG	77.7	17.9	46.3	256	66	322	85	22	107	84		121	76
E09000006	Bromley	Greater London	London	ENG	50.8	16.8	33.0	198	73	271	66	24	90	194		253	214
E09000007	Camden	Greater London	London	ENG	69.6	19.2	42.8	134	42	176	45	14	59	108		150	130
E09000001	City of London	Greater London	London	ENG	*	*	*	*	*	*	*	*	*	*		*	203
E09000008	Croydon	Greater London	London	ENG	57.5	17.9	36.7	237	79	316	79	26	105	162		215	103
E09000009	Ealing	Greater London	London	ENG	73.6	17.2	44.5	275	64	339	92	21	113	96		135	100
E09000010	Enfield	Greater London	London	ENG	64.8	15.2	38.6	224	57	281	75	19	94	143		189	72
E09000011	Greenwich	Greater London	London	ENG	70.3	29.6	49.3	185	77	262	62	26	87	67		96	84
E09000012	Hackney	Greater London	London	ENG	89.6	19.3	52.1	182	40	222	61	13	74	52		77	22
E09000013	Hammersmith and Fulham	Greater London	London	ENG	61.9	15.3	36.7	94	28	122	31	9	41	164		217	107
E09000014	Haringey	Greater London	London	ENG	78.0	20.1	47.1	194	54	248	65	18	83	78		112	48
E09000015	Harrow	Greater London	London	ENG	52.9	12.7	31.9	151	39	190	50	13	63	205		265	197
E09000016	Havering	Greater London	London	ENG	54.9	13.8	33.4	171	46	217	57	15	72	191		248	173
E09000017	Hillingdon	Greater London	London	ENG	68.9	15.3	41.6	223	49	272	74	16	91	119		162	152
E09000018	Hounslow	Greater London	London	ENG	63.8	19.3	41.0	185	56	241	62	19	80	124		167	115

Table 1.24 Age-standardised death rates per 100,000 and number of deaths for coronary heart disease (CHD), under 75s by local authority, United Kingdom 2021/23

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					UNDER 75											
					Age-standardised premature CHD death rates per 100,000 - Annual Average (3-Year)			Total number of premature CHD deaths - 2021/23			Average number of annual prem CHD deaths - 2021/23			ASDR Rank (1 = highest death rate)		IMD - Rank** (1= most deprived)
LA Code	LA/DC/UA	Ceremonial County (Eng/Wal)	Region/Nation	4N	Men	Women	Total	Men	Women	Total	Men	Women	Total	4N	UK-wide	4N
E09000019	Islington	Greater London	London	ENG	70.2	24.0	46.1	128	43	171	43	14	57	86	123	52
E09000020	Kensington and Chelsea	Greater London	London	ENG	51.6	6.6	27.1	80	12	92	27	4	31	249	314	114
E09000021	Kingston upon Thames	Greater London	London	ENG	51.9	11.2	30.9	96	22	118	32	7	39	216	276	257
E09000022	Lambeth	Greater London	London	ENG	61.0	16.3	37.6	170	48	218	57	16	73	152	202	78
E09000023	Lewisham	Greater London	London	ENG	70.9	23.1	45.4	180	61	241	60	20	80	91	129	62
E09000024	Merton	Greater London	London	ENG	43.7	9.7	25.8	92	22	114	31	7	38	260	325	204
E09000025	Newham	Greater London	London	ENG	85.5	20.3	51.8	246	58	304	82	19	101	53	79	42
E09000026	Redbridge	Greater London	London	ENG	66.3	21.8	43.5	203	68	271	68	23	90	102	142	166
E09000027	Richmond upon Thames	Greater London	London	ENG	39.5	9.7	23.9	92	24	116	31	8	39	273	338	276
E09000028	Southwark	Greater London	London	ENG	62.9	17.0	38.8	152	43	195	51	14	65	142	188	70
E09000029	Sutton	Greater London	London	ENG	50.9	12.8	31.0	118	32	150	39	11	50	214	274	217
E09000030	Tower Hamlets	Greater London	London	ENG	96.1	24.6	59.4	178	45	223	59	15	74	30	43	49
E09000031	Waltham Forest	Greater London	London	ENG	72.1	23.4	46.4	180	62	242	60	21	81	83	120	79
E09000032	Wandsworth	Greater London	London	ENG	44.9	12.2	27.5	112	33	145	37	11	48	246	311	176
E09000033	Westminster	Greater London	London	ENG	42.0	11.3	26.0	83	24	107	28	8	36	258	323	129
E08000001	Bolton	Greater Manchester	North West	ENG	103.3	30.1	66.2	381	114	495	127	38	165	12	19	33
E08000002	Bury	Greater Manchester	North West	ENG	79.7	25.2	51.8	198	66	264	66	22	88	54	80	91
E08000003	Manchester	Greater Manchester	North West	ENG	104.0	35.8	70.0	502	167	669	167	56	223	8	12	6
E08000004	Oldham	Greater Manchester	North West	ENG	97.2	27.9	61.8	273	81	354	91	27	118	24	34	19
E08000005	Rochdale	Greater Manchester	North West	ENG	97.4	34.4	65.2	266	99	365	89	33	122	14	24	15
E08000006	Salford	Greater Manchester	North West	ENG	86.2	24.7	55.4	241	68	309	80	23	103	38	59	18
E08000007	Stockport	Greater Manchester	North West	ENG	71.5	19.8	44.9	279	83	362	93	28	121	95	133	122
E08000008	Tameside	Greater Manchester	North West	ENG	90.3	35.1	62.1	270	109	379	90	36	126	22	32	28
E08000009	Trafford	Greater Manchester	North West	ENG	70.7	25.2	47.3	203	76	279	68	25	93	76	108	182
E08000010	Wigan	Greater Manchester	North West	ENG	77.4	22.5	49.5	349	106	455	116	35	152	65	93	73
E07000084	Basingstoke and Deane	Hampshire	South East	ENG	41.8	14.0	27.6	98	34	132	33	11	44	244	309	232
E07000085	East Hampshire	Hampshire	South East	ENG	33.5	8.3	20.4	63	17	80	21	6	27	290	355	266
E07000086	Eastleigh	Hampshire	South East	ENG	47.5	10.7	28.3	84	21	105	28	7	35	238	303	268
E07000087	Fareham	Hampshire	South East	ENG	30.9	7.7	18.9	53	14	67	18	5	22	294	359	279
E07000088	Gosport	Hampshire	South East	ENG	56.0	13.7	34.1	65	17	82	22	6	27	185	242	125
E07000089	Hart	Hampshire	South East	ENG	29.9	10.5	19.8	38	14	52	13	5	17	292	357	296
E07000090	Havant	Hampshire	South East	ENG	50.2	10.5	29.6	94	21	115	31	7	38	227	290	113
E07000091	New Forest	Hampshire	South East	ENG	41.9	10.9	25.7	117	35	152	39	12	51	261	326	229
E06000044	Portsmouth	Hampshire	South East	ENG	63.6	18.2	40.6	147	43	190	49	14	63	128	171	58
E07000092	Rushmoor	Hampshire	South East	ENG	60.5	25.4	42.1	65	30	95	22	10	32	114	157	184
E06000045	Southampton	Hampshire	South East	ENG	75.8	32.2	53.9	198	83	281	66	28	94	46	67	60
E07000093	Test Valley	Hampshire	South East	ENG	42.0	11.5	26.3	77	22	99	26	7	33	255	320	245
E07000094	Winchester	Hampshire	South East	ENG	42.0	8.8	24.7	72	16	88	24	5	29	268	333	274
E06000019	Herefordshire, County of	Herefordshire	West Midlands	ENG	68.1	18.3	42.6	205	59	264	68	20	88	109	152	144
E07000095	Broxbourne	Hertfordshire	East of England	ENG	54.2	14.2	33.1	62	18	80	21	6	27	193	251	157
E07000096	Dacorum	Hertfordshire	East of England	ENG	40.1	12.8	26.1	76	26	102	25	9	34	257	322	230
E07000242	East Hertfordshire	Hertfordshire	East of England	ENG	49.2	15.8	32.0	97	33	130	32	11	43	203	263	288
E07000098	Hertsmere	Hertfordshire	East of England	ENG	39.5	9.2	23.5	51	13	64	17	4	21	277	342	218
E07000099	North Hertfordshire	Hertfordshire	East of England	ENG	54.2	17.5	35.1	93	32	125	31	11	42	178	233	254
E07000240	St Albans	Hertfordshire	East of England	ENG	31.7	10.3	20.6	56	19	75	19	6	25	288	353	287
E07000243	Stevenage	Hertfordshire	East of England	ENG	59.0	22.5	40.5	62	23	85	21	8	28	129	172	132
E07000102	Three Rivers	Hertfordshire	East of England	ENG	37.9	11.2	24.2	45	14	59	15	5	20	270	335	273
E07000103	Watford	Hertfordshire	East of England	ENG	41.2	10.2	25.3	42	10	52	14	3	17	266	331	193

Table 1.24 Age-standardised death rates per 100,000 and number of deaths for coronary heart disease (CHD), under 75s by local authority, United Kingdom 2021/23

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					UNDER 75											
					Age-standardised premature CHD death rates per 100,000 - Annual Average (3-Year)			Total number of premature CHD deaths - 2021/23			Average number of annual prem CHD deaths - 2021/23			ASDR Rank (1 = highest death rate)		IMD - Rank** (1= most deprived)
LA Code	LA/DC/UA	Ceremonial County (Eng/Wal)	Region/Nation	4N	Men	Women	Total	Men	Women	Total	Men	Women	Total	4N	UK-wide	4N
E07000241	Welwyn Hatfield	Hertfordshire	East of England	ENG	45.1	12.8	28.6	61	18	79	20	6	26	235	300	212
E06000046	Isle of Wight	Isle of Wight	South East	ENG	41.2	13.1	26.5	101	34	135	34	11	45	253	318	93
E07000105	Ashford	Kent	South East	ENG	47.8	17.4	32.0	84	33	117	28	11	39	204	264	151
E07000106	Canterbury	Kent	South East	ENG	52.6	12.3	31.5	111	29	140	37	10	47	210	270	172
E07000107	Dartford	Kent	South East	ENG	46.5	11.5	28.5	56	15	71	19	5	24	236	301	146
E07000108	Dover	Kent	South East	ENG	50.6	20.5	35.0	90	39	129	30	13	43	180	235	108
E07000112	Folkestone and Hythe (Shepway)	Kent	South East	ENG	57.0	16.1	36.0	96	29	125	32	10	42	174	228	86
E07000109	Gravesham	Kent	South East	ENG	74.1	19.5	45.9	93	26	119	31	9	40	88	126	116
E07000110	Maidstone	Kent	South East	ENG	49.7	11.1	30.0	114	27	141	38	9	47	225	287	177
E06000035	Medway	Kent	South East	ENG	70.0	20.3	44.4	238	72	310	79	24	103	97	136	89
E07000111	Sevenoaks	Kent	South East	ENG	44.1	11.6	27.3	72	21	93	24	7	31	247	312	237
E07000113	Swale	Kent	South East	ENG	57.9	18.1	37.6	117	38	155	39	13	52	154	204	55
E07000114	Thanet	Kent	South East	ENG	70.4	14.0	40.8	141	32	173	47	11	58	126	169	30
E07000115	Tonbridge and Malling	Kent	South East	ENG	41.9	10.0	25.5	71	18	89	24	6	30	262	327	224
E07000116	Tunbridge Wells	Kent	South East	ENG	48.3	7.6	27.2	73	12	85	24	4	28	248	313	258
E06000008	Blackburn with Darwen	Lancashire	North West	ENG	103.6	35.0	69.1	185	62	247	62	21	82	10	17	9
E06000009	Blackpool	Lancashire	North West	ENG	119.3	35.2	77.5	244	72	316	81	24	105	1	2	1
E07000117	Burnley	Lancashire	North West	ENG	107.8	33.2	69.9	132	42	174	44	14	58	9	13	8
E07000118	Chorley	Lancashire	North West	ENG	75.7	25.4	50.2	129	44	173	43	15	58	63	91	170
E07000119	Fylde	Lancashire	North West	ENG	59.2	15.5	36.9	85	24	109	28	8	36	159	211	186
E07000120	Hyndburn	Lancashire	North West	ENG	109.1	38.5	73.4	116	42	158	39	14	53	2	5	16
E07000121	Lancaster	Lancashire	North West	ENG	96.3	21.3	57.6	184	44	228	61	15	76	34	52	85
E07000122	Pendle	Lancashire	North West	ENG	91.0	29.1	59.6	113	37	150	38	12	50	29	42	32
E07000123	Preston	Lancashire	North West	ENG	100.3	40.1	70.2	171	67	238	57	22	79	6	10	44
E07000124	Ribble Valley	Lancashire	North West	ENG	63.5	11.6	37.0	63	12	75	21	4	25	158	210	264
E07000125	Rossendale	Lancashire	North West	ENG	87.6	36.7	61.5	86	38	124	29	13	41	25	35	88
E07000126	South Ribble	Lancashire	North West	ENG	65.6	27.1	45.8	106	47	153	35	16	51	89	127	194
E07000127	West Lancashire	Lancashire	North West	ENG	74.7	29.0	51.2	128	52	180	43	17	60	58	85	147
E07000128	Wyre	Lancashire	North West	ENG	66.2	25.7	45.3	124	54	178	41	18	59	92	130	121
E07000129	Blaby	Leicestershire	East Midlands	ENG	44.9	17.9	31.1	63	27	90	21	9	30	212	272	263
E07000130	Charnwood	Leicestershire	East Midlands	ENG	54.3	15.4	34.4	128	38	166	43	13	55	182	239	226
E07000131	Harborough	Leicestershire	East Midlands	ENG	47.9	15.8	31.5	70	24	94	23	8	31	208	268	290
E07000132	Hinckley and Bosworth	Leicestershire	East Midlands	ENG	59.1	16.8	37.5	100	30	130	33	10	43	155	206	222
E06000016	Leicester	Leicestershire	East Midlands	ENG	93.5	29.8	61.2	342	112	454	114	37	151	26	36	31
E07000133	Melton	Leicestershire	East Midlands	ENG	56.9	13.4	34.6	46	12	58	15	4	19	181	237	236
E07000134	North West Leicestershire	Leicestershire	East Midlands	ENG	60.5	14.1	37.0	91	22	113	30	7	38	157	209	205
E07000135	Oadby and Wigston	Leicestershire	East Midlands	ENG	76.4	18.0	46.1	58	15	73	19	5	24	85	122	231
E07000136	Boston	Lincolnshire	East Midlands	ENG	81.4	28.3	54.1	78	29	107	26	10	36	45	66	98
E07000137	East Lindsey	Lincolnshire	East Midlands	ENG	81.2	29.6	54.6	210	81	291	70	27	97	40	61	38
E07000138	Lincoln	Lincolnshire	East Midlands	ENG	82.8	45.3	63.8	93	51	144	31	17	48	16	26	59
E07000139	North Kesteven	Lincolnshire	East Midlands	ENG	55.8	18.8	36.6	99	36	135	33	12	45	166	220	255
E07000140	South Holland	Lincolnshire	East Midlands	ENG	75.5	24.3	49.3	110	37	147	37	12	49	66	95	161
E07000141	South Kesteven	Lincolnshire	East Midlands	ENG	61.2	13.0	36.2	131	30	161	44	10	54	172	226	221
E07000142	West Lindsey	Lincolnshire	East Midlands	ENG	52.5	14.1	32.8	82	24	106	27	8	35	198	258	128
E06000012	North East Lincolnshire	Lincolnshire	Yorkshire & The Humber	ENG	97.3	30.7	63.2	214	70	284	71	23	95	18	28	29
E06000013	North Lincolnshire	Lincolnshire	Yorkshire & The Humber	ENG	83.3	26.7	54.5	207	69	276	69	23	92	41	62	110
E08000011	Knowsley	Merseyside	North West	ENG	93.7	33.4	62.1	189	74	263	63	25	88	23	33	2
E08000012	Liverpool	Merseyside	North West	ENG	85.9	25.3	54.5	478	151	629	159	50	210	42	63	3

Table 1.24 Age-standardised death rates per 100,000 and number of deaths for coronary heart disease (CHD), under 75s by local authority, United Kingdom 2021/23

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					UNDER 75											
					Age-standardised premature CHD death rates per 100,000 - Annual Average (3-Year)			Total number of premature CHD deaths - 2021/23			Average number of annual prem CHD deaths - 2021/23			ASDR Rank (1 = highest death rate)		IMD - Rank** (1= most deprived)
LA Code	LA/DC/UA	Ceremonial County (Eng/Wal)	Region/Nation	4N	Men	Women	Total	Men	Women	Total	Men	Women	Total	4N	UK-wide	4N
E08000014	Sefton	Merseyside	North West	ENG	70.3	23.0	45.8	289	102	391	96	34	130	90	128	57
E08000013	St. Helens	Merseyside	North West	ENG	86.0	28.4	56.6	218	76	294	73	25	98	36	56	26
E08000015	Wirral	Merseyside	North West	ENG	62.8	18.3	39.8	291	91	382	97	30	127	136	181	41
E07000143	Breckland	Norfolk	East of England	ENG	50.1	11.3	30.1	109	26	135	36	9	45	223	285	135
E07000144	Broadland	Norfolk	East of England	ENG	37.0	13.6	24.9	76	31	107	25	10	36	267	332	248
E07000145	Great Yarmouth	Norfolk	East of England	ENG	74.5	23.1	48.1	113	37	150	38	12	50	74	106	20
E07000146	King's Lynn and West Norfolk	Norfolk	East of England	ENG	59.1	17.7	37.6	136	45	181	45	15	60	151	201	90
E07000147	North Norfolk	Norfolk	East of England	ENG	43.4	16.7	29.6	79	35	114	26	12	38	228	291	119
E07000148	Norwich	Norfolk	East of England	ENG	72.0	19.4	45.3	109	30	139	36	10	46	93	131	51
E07000149	South Norfolk	Norfolk	East of England	ENG	36.6	9.4	22.5	76	22	98	25	7	33	282	347	225
E06000061	North Northamptonshire	Northamptonshire	East Midlands	ENG	56.7	15.9	35.7	266	79	345	89	26	115	176	230	133
E06000062	West Northamptonshire	Northamptonshire	East Midlands	ENG	59.3	16.9	37.6	314	93	407	105	31	136	153	203	162
E06000057	Northumberland	Northumberland	North East	ENG	62.4	19.7	40.4	332	114	446	111	38	149	130	173	111
E07000170	Ashfield	Nottinghamshire	East Midlands	ENG	86.3	30.3	57.8	150	54	204	50	18	68	31	49	67
E07000171	Bassetlaw	Nottinghamshire	East Midlands	ENG	78.3	25.5	51.4	138	47	185	46	16	62	55	81	101
E07000172	Broxtowe	Nottinghamshire	East Midlands	ENG	64.4	17.5	40.3	100	29	129	33	10	43	131	174	211
E07000173	Gedling	Nottinghamshire	East Midlands	ENG	62.1	18.6	39.7	104	33	137	35	11	46	137	182	199
E07000174	Mansfield	Nottinghamshire	East Midlands	ENG	89.6	26.7	57.7	135	42	177	45	14	59	33	51	45
E07000175	Newark and Sherwood	Nottinghamshire	East Midlands	ENG	68.7	19.4	43.5	127	38	165	42	13	55	100	140	137
E06000018	Nottingham	Nottinghamshire	East Midlands	ENG	109.9	33.3	70.9	326	100	426	109	33	142	5	9	11
E07000176	Rushcliffe	Nottinghamshire	East Midlands	ENG	54.5	8.4	30.9	92	15	107	31	5	36	215	275	294
E07000177	Cherwell	Oxfordshire	South East	ENG	48.7	9.8	28.8	99	21	120	33	7	40	232	296	208
E07000178	Oxford	Oxfordshire	South East	ENG	37.4	11.9	24.1	54	18	72	18	6	24	271	336	175
E07000179	South Oxfordshire	Oxfordshire	South East	ENG	42.0	9.6	25.3	85	21	106	28	7	35	265	330	283
E07000180	Vale of White Horse	Oxfordshire	South East	ENG	37.1	8.3	22.5	70	16	86	23	5	29	283	348	286
E07000181	West Oxfordshire	Oxfordshire	South East	ENG	36.6	10.2	22.9	59	18	77	20	6	26	280	345	281
E06000017	Rutland	Rutland	East Midlands	ENG	66.5	*	39.2	41	9	50	14	3	17	139	185	284
E06000051	Shropshire	Shropshire	West Midlands	ENG	56.0	18.0	36.5	288	98	386	96	33	129	167	221	167
E06000020	Telford and Wrekin	Shropshire	West Midlands	ENG	80.8	23.3	51.3	192	58	250	64	19	83	57	83	82
E06000022	Bath and North East Somerset	Somerset	South West	ENG	40.5	11.3	25.4	98	30	128	33	10	43	264	329	249
E06000024	North Somerset	Somerset	South West	ENG	46.5	17.0	31.2	145	58	203	48	19	68	211	271	187
E06000066	Somerset	Somerset	South West	ENG	51.8	11.6	31.1	457	110	567	152	37	189	213	273	150
E07000192	Cannock Chase	Staffordshire	West Midlands	ENG	67.6	30.5	48.6	93	44	137	31	15	46	72	101	126
E07000193	East Staffordshire	Staffordshire	West Midlands	ENG	64.9	17.3	40.8	109	29	138	36	10	46	125	168	138
E07000194	Lichfield	Staffordshire	West Midlands	ENG	40.3	13.0	26.4	64	22	86	21	7	29	254	319	234
E07000195	Newcastle-under-Lyme	Staffordshire	West Midlands	ENG	73.2	22.4	47.2	129	41	170	43	14	57	77	111	143
E07000196	South Staffordshire	Staffordshire	West Midlands	ENG	61.5	18.8	39.8	107	34	141	36	11	47	135	180	228
E07000197	Stafford	Staffordshire	West Midlands	ENG	56.9	17.9	37.1	116	38	154	39	13	51	156	208	220
E07000198	Staffordshire Moorlands	Staffordshire	West Midlands	ENG	66.5	17.5	41.6	106	29	135	35	10	45	120	163	196
E06000021	Stoke-on-Trent	Staffordshire	West Midlands	ENG	91.3	30.3	60.5	292	97	389	97	32	130	28	39	14
E07000199	Tamworth	Staffordshire	West Midlands	ENG	62.0	23.1	41.8	65	26	91	22	9	30	117	160	118
E07000200	Babergh	Suffolk	East of England	ENG	48.6	12.0	29.5	72	20	92	24	7	31	229	292	209
E07000244	East Suffolk	Suffolk	East of England	ENG	57.2	17.5	36.7	222	76	298	74	25	99	161	214	136
E07000202	Ipswich	Suffolk	East of England	ENG	57.7	15.1	36.2	96	25	121	32	8	40	171	225	69
E07000203	Mid Suffolk	Suffolk	East of England	ENG	43.6	12.1	27.5	74	21	95	25	7	32	245	310	227
E07000245	West Suffolk	Suffolk	East of England	ENG	48.4	15.3	31.5	115	38	153	38	13	51	209	269	179
E07000207	Elmbridge	Surrey	South East	ENG	35.9	9.4	22.2	61	17	78	20	6	26	284	349	291
E07000208	Epsom and Ewell	Surrey	South East	ENG	32.6	9.3	20.5	32	10	42	11	3	14	289	354	280

Table 1.24 Age-standardised death rates per 100,000 and number of deaths for coronary heart disease (CHD), under 75s by local authority, United Kingdom 2021/23

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					UNDER 75											
					Age-standardised premature CHD death rates per 100,000 - Annual Average (3-Year)			Total number of premature CHD deaths - 2021/23			Average number of annual prem CHD deaths - 2021/23			ASDR Rank (1 = highest death rate)		IMD - Rank** (1= most deprived)
LA Code	LA/DC/UA	Ceremonial County (Eng/Wal)	Region/Nation	4N	Men	Women	Total	Men	Women	Total	Men	Women	Total	4N	UK-wide	4N
E07000209	Guildford	Surrey	South East	ENG	29.2	13.6	21.1	50	25	75	17	8	25	286	351	277
E07000210	Mole Valley	Surrey	South East	ENG	31.7	7.9	19.5	41	11	52	14	4	17	293	358	275
E07000211	Reigate and Banstead	Surrey	South East	ENG	41.6	7.6	24.2	77	15	92	26	5	31	269	334	259
E07000212	Runnymede	Surrey	South East	ENG	52.8	13.3	32.4	53	14	67	18	5	22	200	260	242
E07000213	Spelthorne	Surrey	South East	ENG	56.3	11.6	33.3	69	15	84	23	5	28	192	250	198
E07000214	Surrey Heath	Surrey	South East	ENG	39.5	9.6	24.0	46	12	58	15	4	19	272	337	289
E07000215	Tandridge	Surrey	South East	ENG	39.9	*	22.8	47	9	56	16	3	19	281	346	246
E07000216	Waverley	Surrey	South East	ENG	38.3	10.4	23.7	66	19	85	22	6	28	275	340	293
E07000217	Woking	Surrey	South East	ENG	53.9	12.5	32.9	66	16	82	22	5	27	197	256	261
E08000037	Gateshead	Tyne & Wear	North East	ENG	80.0	23.2	51.1	216	66	282	72	22	94	59	86	46
E08000021	Newcastle upon Tyne	Tyne & Wear	North East	ENG	80.5	26.2	52.8	261	88	349	87	29	116	49	70	40
E08000022	North Tyneside	Tyne & Wear	North East	ENG	69.1	21.4	44.2	203	69	272	68	23	91	98	137	106
E08000023	South Tyneside	Tyne & Wear	North East	ENG	76.9	30.4	53.0	165	68	233	55	23	78	47	68	27
E08000024	Sunderland	Tyne & Wear	North East	ENG	78.9	24.4	50.7	308	101	409	103	34	136	60	88	34
E07000218	North Warwickshire	Warwickshire	West Midlands	ENG	80.0	33.5	56.3	78	34	112	26	11	37	37	57	160
E07000219	Nuneaton and Bedworth	Warwickshire	West Midlands	ENG	72.9	21.8	46.8	129	41	170	43	14	57	81	116	92
E07000220	Rugby	Warwickshire	West Midlands	ENG	65.4	19.7	42.2	92	29	121	31	10	40	113	156	215
E07000221	Stratford-on-Avon	Warwickshire	West Midlands	ENG	40.6	11.4	25.4	85	26	111	28	9	37	263	328	250
E07000222	Warwick	Warwickshire	West Midlands	ENG	56.0	18.4	36.7	103	36	139	34	12	46	163	216	243
E08000025	Birmingham	West Midlands	West Midlands	ENG	87.1	24.9	55.3	986	289	1,275	329	96	425	39	60	7
E08000026	Coventry	West Midlands	West Midlands	ENG	88.3	26.8	57.2	321	99	420	107	33	140	35	55	75
E08000027	Dudley	West Midlands	West Midlands	ENG	84.5	22.6	52.9	359	101	460	120	34	153	48	69	87
E08000028	Sandwell	West Midlands	West Midlands	ENG	106.2	35.3	70.0	402	137	539	134	46	180	7	11	12
E08000029	Solihull	West Midlands	West Midlands	ENG	47.9	17.4	32.1	137	55	192	46	18	64	201	261	165
E08000030	Walsall	West Midlands	West Midlands	ENG	94.3	34.5	63.9	318	120	438	106	40	146	15	25	25
E08000031	Wolverhampton	West Midlands	West Midlands	ENG	93.3	32.9	62.5	290	104	394	97	35	131	21	31	24
E07000223	Adur	West Sussex	South East	ENG	53.9	12.4	31.7	48	12	60	16	4	20	206	266	163
E07000224	Arun	West Sussex	South East	ENG	58.6	16.5	36.5	148	49	197	49	16	66	168	222	148
E07000225	Chichester	West Sussex	South East	ENG	52.2	10.9	30.3	100	24	124	33	8	41	221	282	216
E07000226	Crawley	West Sussex	South East	ENG	52.7	16.3	34.1	69	21	90	23	7	30	184	241	141
E07000227	Horsham	West Sussex	South East	ENG	46.9	8.2	26.8	100	19	119	33	6	40	252	317	272
E07000228	Mid Sussex	West Sussex	South East	ENG	36.3	11.2	23.3	74	25	99	25	8	33	279	344	292
E07000229	Worthing	West Sussex	South East	ENG	59.6	10.7	34.0	90	18	108	30	6	36	187	244	168
E06000030	Swindon	Wiltshire	South West	ENG	67.6	19.9	43.5	195	57	252	65	19	84	101	141	149
E06000054	Wiltshire	Wiltshire	South West	ENG	44.9	8.6	26.1	328	67	395	109	22	132	256	321	223
E07000234	Bromsgrove	Worcestershire	West Midlands	ENG	53.1	14.1	32.9	75	21	96	25	7	32	196	255	252
E07000235	Malvern Hills	Worcestershire	West Midlands	ENG	46.5	10.7	28.0	61	16	77	20	5	26	242	307	183
E07000236	Redditch	Worcestershire	West Midlands	ENG	64.7	22.8	43.2	75	28	103	25	9	34	105	146	102
E07000237	Worcester	Worcestershire	West Midlands	ENG	63.6	18.6	40.6	83	25	108	28	8	36	127	170	127
E07000238	Wychavon	Worcestershire	West Midlands	ENG	63.3	14.9	38.4	132	33	165	44	11	55	145	193	188
E07000239	Wyre Forest	Worcestershire	West Midlands	ENG	69.4	15.4	41.4	109	25	134	36	8	45	121	164	104
E06000011	East Riding of Yorkshire	Yorkshire (East Riding)	Yorkshire & The Humber	ENG	60.5	17.6	38.5	341	105	446	114	35	149	144	192	192
E06000010	Kingston upon Hull, City of	Yorkshire (East Riding)	Yorkshire & The Humber	ENG	112.4	34.1	73.1	361	111	472	120	37	157	3	6	4
E06000002	Middlesbrough	Yorkshire (North Yorkshire)	North East	ENG	83.6	43.5	62.9	148	82	230	49	27	77	19	29	5
E06000003	Redcar and Cleveland	Yorkshire (North Yorkshire)	North East	ENG	76.5	25.2	49.9	157	56	213	52	19	71	64	92	39
E06000065	North Yorkshire	Yorkshire (North Yorkshire)	Yorkshire & The Humber	ENG	58.4	18.2	37.7	574	196	770	191	65	257	149	199	201
E06000014	York	Yorkshire (North Yorkshire)	Yorkshire & The Humber	ENG	61.8	15.2	37.6	153	41	194	51	14	65	150	200	251
E08000016	Barnsley	Yorkshire (South Yorkshire)	Yorkshire & The Humber	ENG	80.5	29.0	54.3	276	102	378	92	34	126	44	65	37

Table 1.24 Age-standardised death rates per 100,000 and number of deaths for coronary heart disease (CHD), under 75s by local authority, United Kingdom 2021/23

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					UNDER 75											
					Age-standardised premature CHD death rates per 100,000 - Annual Average (3-Year)			Total number of premature CHD deaths - 2021/23			Average number of annual prem CHD deaths - 2021/23			ASDR Rank (1 = highest death rate)		IMD - Rank** (1= most deprived)
LA Code	LA/DC/UA	Ceremonial County (Eng/Wal)	Region/Nation	4N	Men	Women	Total	Men	Women	Total	Men	Women	Total	4N	UK-wide	4N
E08000017	Doncaster	Yorkshire (South Yorkshire)	Yorkshire & The Humber	ENG	93.1	33.3	62.6	394	147	541	131	49	180	20	30	36
E08000018	Rotherham	Yorkshire (South Yorkshire)	Yorkshire & The Humber	ENG	89.7	38.1	63.3	322	144	466	107	48	155	17	27	43
E08000019	Sheffield	Yorkshire (South Yorkshire)	Yorkshire & The Humber	ENG	74.0	24.2	48.6	479	162	641	160	54	214	71	100	56
E08000032	Bradford	Yorkshire (West Yorkshire)	Yorkshire & The Humber	ENG	99.9	32.7	65.6	621	208	829	207	69	276	13	22	13
E08000033	Calderdale	Yorkshire (West Yorkshire)	Yorkshire & The Humber	ENG	74.3	19.5	46.0	207	58	265	69	19	88	87	124	65
E08000034	Kirklees	Yorkshire (West Yorkshire)	Yorkshire & The Humber	ENG	76.3	23.4	49.3	421	134	555	140	45	185	68	97	80
E08000035	Leeds	Yorkshire (West Yorkshire)	Yorkshire & The Humber	ENG	67.3	20.8	43.4	607	196	803	202	65	268	103	143	54
E08000036	Wakefield	Yorkshire (West Yorkshire)	Yorkshire & The Humber	ENG	75.9	22.5	48.6	362	113	475	121	38	158	70	99	53
N09000001	Antrim and Newtownabbey		Northern Ireland	NI	51.3	19.2	34.8	93	37	130	31	12	43	4	236	10
N09000011	Ards and North Down		Northern Ireland	NI	41.0	17.3	28.7	96	45	141	32	15	47	11	299	9
N09000002	Armagh City, Banbridge and Craigavon		Northern Ireland	NI	47.6	12.8	29.9	127	35	162	42	12	54	9	288	7
N09000003	Belfast		Northern Ireland	NI	71.0	24.0	46.8	270	95	365	90	32	122	1	114	4
N09000004	Causeway Coast and Glens		Northern Ireland	NI	52.5	14.0	33.1	102	28	130	34	9	43	6	252	5
N09000005	Derry City and Strabane		Northern Ireland	NI	55.7	22.3	38.5	107	44	151	36	15	50	2	191	1
N09000006	Fermanagh and Omagh		Northern Ireland	NI	62.6	12.5	37.6	100	20	120	33	7	40	3	205	2
N09000007	Lisburn and Castlereagh		Northern Ireland	NI	50.4	11.9	30.6	93	24	117	31	8	39	7	277	11
N09000008	Mid and East Antrim		Northern Ireland	NI	44.6	16.4	30.2	86	33	119	29	11	40	8	283	8
N09000009	Mid Ulster		Northern Ireland	NI	40.5	17.9	29.3	70	31	101	23	10	34	10	294	6
N09000010	Newry, Mourne and Down		Northern Ireland	NI	46.7	20.6	33.4	108	49	157	36	16	52	5	249	3
S12000033	Aberdeen City		Scotland	SCO	64.3	25.4	44.6	178	72	250	59	24	83	22	134	26
S12000034	Aberdeenshire		Scotland	SCO	57.2	20.7	38.5	226	85	311	75	28	104	27	190	30
S12000041	Angus		Scotland	SCO	55.1	26.3	40.2	102	52	154	34	17	51	26	175	20
S12000035	Argyll and Bute		Scotland	SCO	75.0	22.5	48.2	115	33	148	38	11	49	20	105	19
S12000036	City of Edinburgh		Scotland	SCO	74.5	24.2	48.5	436	151	587	145	50	196	19	102	29
S12000005	Clackmannanshire		Scotland	SCO	98.3	42.1	69.1	75	35	110	25	12	37	6	16	8
S12000006	Dumfries and Galloway		Scotland	SCO	69.8	33.0	50.8	175	91	266	58	30	89	18	87	12
S12000042	Dundee City		Scotland	SCO	89.1	31.4	59.2	163	61	224	54	20	75	8	44	6
S12000008	East Ayrshire		Scotland	SCO	102.3	39.8	69.9	182	79	261	61	26	87	4	14	7
S12000045	East Dunbartonshire		Scotland	SCO	50.5	17.1	32.8	81	31	112	27	10	37	32	257	31
S12000010	East Lothian		Scotland	SCO	62.7	26.5	43.7	101	47	148	34	16	49	23	138	22
S12000011	East Renfrewshire		Scotland	SCO	53.1	19.6	35.3	71	29	100	24	10	33	31	232	32
S12000014	Falkirk		Scotland	SCO	82.4	35.9	58.2	185	88	273	62	29	91	11	48	16
S12000047	Fife		Scotland	SCO	86.2	27.8	55.8	460	162	622	153	54	207	14	58	17
S12000049	Glasgow City		Scotland	SCO	114.2	39.8	75.8	807	296	1,103	269	99	368	1	3	2
S12000017	Highland		Scotland	SCO	80.6	26.0	52.6	306	104	410	102	35	137	15	72	18
S12000018	Inverclyde		Scotland	SCO	91.9	29.4	59.1	110	40	150	37	13	50	9	45	4
S12000019	Midlothian		Scotland	SCO	64.2	24.5	43.2	82	35	117	27	12	39	24	145	14
S12000020	Moray		Scotland	SCO	60.0	17.6	38.2	86	27	113	29	9	38	28	194	23
S12000013	Na h-Eileanan Siar		Scotland	SCO	109.6	38.4	73.9	51	18	69	17	6	23	2	4	10
S12000021	North Ayrshire		Scotland	SCO	98.2	48.1	71.7	204	113	317	68	38	106	3	7	3
S12000050	North Lanarkshire		Scotland	SCO	96.7	36.9	65.6	446	184	630	149	61	210	7	23	5
S12000023	Orkney Islands		Scotland	SCO	68.0	24.9	46.0	24	9	33	8	3	11	21	125	24
S12000048	Perth and Kinross		Scotland	SCO	60.6	17.1	38.1	146	44	190	49	15	63	29	196	28
S12000038	Renfrewshire		Scotland	SCO	93.8	26.8	58.5	240	74	314	80	25	105	10	47	9
S12000026	Scottish Borders		Scotland	SCO	62.1	24.4	42.7	123	51	174	41	17	58	25	151	21
S12000027	Shetland Islands		Scotland	SCO	57.2	17.5	37.5	20	6	26	7	2	9	30	207	25
S12000028	South Ayrshire		Scotland	SCO	87.1	30.8	57.6	159	64	223	53	21	74	12	53	13
S12000029	South Lanarkshire		Scotland	SCO	79.0	27.6	52.2	370	143	513	123	48	171	16	76	11

Table 1.24 Age-standardised death rates per 100,000 and number of deaths for coronary heart disease (CHD), under 75s by local authority, United Kingdom 2021/23

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					UNDER 75											
					Age-standardised premature CHD death rates per 100,000 - Annual Average (3-Year)			Total number of premature CHD deaths - 2021/23			Average number of annual prem CHD deaths - 2021/23			ASDR Rank (1 = highest death rate)		IMD - Rank** (1= most deprived)
LA Code	LA/DC/UA	Ceremonial County (Eng/Wal)	Region/Nation	4N	Men	Women	Total	Men	Women	Total	Men	Women	Total	4N	UK-wide	4N
S12000030	Stirling		Scotland	SCO	74.6	30.6	51.8	97	42	139	32	14	46	17	78	27
S12000039	West Dunbartonshire		Scotland	SCO	110.0	32.3	69.1	140	46	186	47	15	62	5	15	1
S12000040	West Lothian		Scotland	SCO	91.0	26.4	57.6	221	68	289	74	23	96	13	54	15
W06000003	Conwy	Clwyd	Wales / Cymru	WAL	76.8	19.5	47.3	142	41	180	47	14	60	13	109	17
W06000004	Denbighshire / Sir Ddinbych	Clwyd	Wales / Cymru	WAL	71.6	24.8	51.2	112	41	163	37	14	54	10	84	9
W06000005	Flintshire / Sir y Fflint	Clwyd	Wales / Cymru	WAL	72.6	23.8	47.2	165	58	221	55	19	74	14	110	20
W06000006	Wrexham / Wrecsam	Clwyd	Wales / Cymru	WAL	85.9	15.5	52.7	163	31	205	54	10	68	8	71	14
W06000010	Carmarthenshire / Sir Gaerfyrddin	Dyfed	Wales / Cymru	WAL	82.0	25.1	52.4	238	82	318	79	27	106	9	75	8
W06000008	Ceredigion	Dyfed	Wales / Cymru	WAL	61.8	19.2	40.0	71	25	96	24	8	32	18	178	16
W06000009	Pembrokeshire / Sir Benfro	Dyfed	Wales / Cymru	WAL	69.1	21.2	46.6	142	48	198	47	16	66	16	118	12
W06000019	Blaenau Gwent	Gwent	Wales / Cymru	WAL	106.5	42.6	78.0	102	43	151	34	14	50	1	1	1
W06000018	Caerphilly / Caerffili	Gwent	Wales / Cymru	WAL	90.0	24.4	58.6	218	65	294	73	22	98	7	46	6
W06000021	Monmouthshire / Sir Fynwy	Gwent	Wales / Cymru	WAL	64.0	9.6	36.6	100	16	118	33	5	39	21	218	22
W06000022	Newport / Casnewydd	Gwent	Wales / Cymru	WAL	91.5	31.2	60.1	176	64	238	59	21	79	5	40	5
W06000020	Torfaen / Tor-faen	Gwent	Wales / Cymru	WAL	81.4	36.1	60.7	105	51	162	35	17	54	4	38	7
W06000002	Gwynedd	Gwynedd	Wales / Cymru	WAL	74.3	17.5	46.7	131	33	168	44	11	56	15	117	18
W06000001	Isle of Anglesey / Ynys Môn	Gwynedd	Wales / Cymru	WAL	69.8	24.1	48.5	82	30	116	27	10	39	12	103	15
W06000013	Bridgend / Pen-y-bont ar Ogwr	Mid Glamorgan / Morgannwg Ganol	Wales / Cymru	WAL	53.3	24.1	36.8	109	53	155	36	18	52	20	213	10
W06000024	Merthyr Tydfil / Merthyr Tudful	Mid Glamorgan / Morgannwg Ganol	Wales / Cymru	WAL	109.3	14.6	65.7	87	12	108	29	4	36	2	20	2
W06000016	Rhondda Cynon Taf / Rhondda Cynon Taf	Mid Glamorgan / Morgannwg Ganol	Wales / Cymru	WAL	72.3	30.2	49.5	232	102	326	77	34	109	11	94	4
W06000023	Powys	Powys	Wales / Cymru	WAL	52.8	10.9	34.5	125	28	166	42	9	55	22	238	19
W06000015	Cardiff / Caerdydd	South Glamorgan / De Morgannwg	Wales / Cymru	WAL	66.5	18.3	43.0	256	74	341	85	25	114	17	148	11
W06000014	The Vale of Glamorgan / Bro Morgannwg	South Glamorgan / De Morgannwg	Wales / Cymru	WAL	69.1	12.7	39.6	129	27	156	43	9	52	19	184	21
W06000012	Neath Port Talbot / Castell-nedd Port Talbot	West Glamorgan / Gorllewin Morgannwg	Wales / Cymru	WAL	85.6	36.2	59.9	172	79	248	57	26	83	6	41	3
W06000011	Swansea / Abertawe	West Glamorgan / Gorllewin Morgannwg	Wales / Cymru	WAL	106.3	27.2	65.7	333	93	428	111	31	143	3	21	13

Notes:

ICD-10 codes I20-I25. Directly age-standardised using the 2013 European Standard Population. Some of the data for Wales has been suppressed.

UK local authorities correct May 2025

* indicates number of deaths considered too small to calculate rate. City of London and Isles of Scilly excluded from ASDR analysis - sui generis status (small population)

**Average IMD ranks calculated with different methodology, depending on nation. For England, we have used the rank of average lower super output area (LSOA) score, to align with the Office for Health Improvement and Disparities (OHID) Fingertips rankings

For Scotland, Wales, and Northern Ireland, we have used population-weighted average rank of all the small census areas in each local authority area, in line with previous editions of the Compendium.

Northern Ireland death rates (columns F, G & H) are provisional as local population estimates for 2023 were not available when this analysis was finalised - updates to follow at a later date.

Totals for male & female deaths may not equal total due to suppression of age-band cohorts in Nomis data - Wales only

Citation:

BHF (2025) Analysis of official UK mortality data

Source:

England: Number of deaths and mortality rates are taken from OHID's Mortality Profile <https://fingertips.phe.org.uk/profile/mortality-profile/>

Wales: Number of deaths are taken from Nomis Mortality Statistics, mortality rates calculated by the BHF <https://www.nomisweb.co.uk/datasets/mortsa>

Scotland: Mortality rates calculated in partnership with NRS (National Records of Scotland)

Northern Ireland: Mortality rates calculated in partnership with Northern Ireland Statistics and Research Agency

England: Rankings from OHID Fingertips; original source data - English Indices of Deprivation <https://www.gov.uk/government/statistics/english-indices-of-deprivation-2019>

Wales: Average IMD ranks calculated from Welsh Index of Multiple Deprivation <https://statswales.gov.wales/Catalogue/Community-Safety-and-Social-Inclusion/Welsh-Index-of-Multiple-Deprivation>

Scotland: Average IMD ranks calculated from Scottish Index of Multiple Deprivation <https://www.gov.scot/collections/scottish-index-of-multiple-deprivation-2020/>

Northern Ireland: Average IMD ranks calculated from Northern Ireland Multiple Deprivation Measures <https://www.nisra.gov.uk/statistics/deprivation>

Table 1.25 Age-standardised death rates per 100,000 and number of deaths for stroke (CBVD), all ages, by local authority, United Kingdom 2021/23

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					ALL AGES											
					Age-standardised stroke (CBVD) death rates per 100,000 - Annual Average (3-Year)			Total number of stroke (CBVD) deaths 2021/23			Average number of annual stroke (CBVD) deaths for 2021/23			ASDR Rank (1 = highest death rate)		IMD - Rank of average rank (1= most deprived)
LA Code	LA/DC/UA	Ceremonial County (Eng/Wal)	Region/Nation	4N	Men	Women	Total	Men	Women	Total	Men	Women	Total	4N	UK-wide	4N
E06000055	Bedford	Bedfordshire	East of England	ENG	50.1	43.0	46.1	109	130	239	36	43	80	180	240	142
E06000056	Central Bedfordshire	Bedfordshire	East of England	ENG	48.4	40.7	44.0	170	189	359	57	63	120	210	273	240
E06000032	Luton	Bedfordshire	East of England	ENG	58.6	57.6	58.8	115	142	257	38	47	86	22	51	68
E06000036	Bracknell Forest	Berkshire	South East	ENG	44.3	34.7	38.9	57	60	117	19	20	39	269	333	267
E06000038	Reading	Berkshire	South East	ENG	60.4	43.3	51.6	93	89	182	31	30	61	94	141	134
E06000039	Slough	Berkshire	South East	ENG	61.8	40.9	49.7	67	58	125	22	19	42	125	177	99
E06000037	West Berkshire	Berkshire	South East	ENG	46.8	43.5	45.1	100	124	224	33	41	75	194	254	271
E06000040	Windsor and Maidenhead	Berkshire	South East	ENG	36.6	43.8	40.7	75	125	200	25	42	67	259	323	285
E06000041	Wokingham	Berkshire	South East	ENG	42.6	33.0	37.2	92	100	192	31	33	64	281	345	295
E06000023	Bristol, City of	Bristol	South West	ENG	48.0	41.2	44.7	205	238	443	68	79	148	200	261	64
E06000060	Buckinghamshire	Buckinghamshire	South East	ENG	44.5	38.7	41.5	327	404	731	109	135	244	250	314	269
E06000042	Milton Keynes	Buckinghamshire	South East	ENG	38.9	47.7	44.3	99	166	265	33	55	88	206	269	158
E07000008	Cambridge	Cambridgeshire	East of England	ENG	45.0	47.5	46.7	55	77	132	18	26	44	169	227	200
E07000009	East Cambridgeshire	Cambridgeshire	East of England	ENG	45.1	39.5	41.5	56	67	123	19	22	41	248	312	256
E07000010	Fenland	Cambridgeshire	East of England	ENG	48.5	35.6	42.0	76	78	154	25	26	51	242	306	77
E07000011	Huntingdonshire	Cambridgeshire	East of England	ENG	45.0	39.5	41.6	106	128	234	35	43	78	247	311	235
E06000031	Peterborough	Cambridgeshire	East of England	ENG	56.1	42.6	48.7	120	121	241	40	40	80	136	190	50
E07000012	South Cambridgeshire	Cambridgeshire	East of England	ENG	45.8	39.2	42.2	105	123	228	35	41	76	240	304	282
E06000049	Cheshire East	Cheshire	North West	ENG	52.8	48.3	50.5	325	404	729	108	135	243	115	164	207
E06000050	Cheshire West and Chester	Cheshire	North West	ENG	53.3	44.4	48.8	274	312	586	91	104	195	134	187	154
E06000006	Halton	Cheshire	North West	ENG	65.0	51.1	56.4	90	98	188	30	33	63	40	73	23
E06000007	Warrington	Cheshire	North West	ENG	54.0	45.7	49.7	145	164	309	48	55	103	127	179	140
E06000052	Cornwall	Cornwall	South West	ENG	66.6	61.9	64.2	622	810	1,432	207	270	477	6	29	97
E06000053	Isles of Scilly	Cornwall	South West	ENG	*	*	*	*	*	*	*	*	*	*	*	243
E06000047	County Durham	County Durham	North East	ENG	61.0	55.3	58.3	437	528	965	146	176	322	27	59	61
E06000005	Darlington	County Durham	North East	ENG	65.0	54.7	59.0	95	110	205	32	37	68	20	49	74
E06000001	Hartlepool	County Durham	North East	ENG	54.3	53.6	54.4	65	86	151	22	29	50	56	95	10
E06000004	Stockton-on-Tees	County Durham	North East	ENG	49.9	47.8	49.4	125	154	279	42	51	93	130	182	71
E06000063	Cumberland	Cumbria	North West	ENG	65.5	52.3	58.5	277	296	573	92	99	191	25	55	96
E06000064	Westmorland and Furness	Cumbria	North West	ENG	49.8	50.0	50.3	191	266	457	64	89	152	118	167	139
E07000032	Amber Valley	Derbyshire	East Midlands	ENG	51.0	51.0	51.1	89	127	216	30	42	72	105	153	159
E07000033	Bolsover	Derbyshire	East Midlands	ENG	55.4	56.0	56.8	59	77	136	20	26	45	35	68	81
E07000034	Chesterfield	Derbyshire	East Midlands	ENG	51.2	57.9	55.1	76	116	192	25	39	64	52	88	83
E06000015	Derby	Derbyshire	East Midlands	ENG	53.5	52.3	53.2	159	219	378	53	73	126	75	117	66
E07000035	Derbyshire Dales	Derbyshire	East Midlands	ENG	55.8	40.4	46.6	73	74	147	24	25	49	171	229	247
E07000036	Erewash	Derbyshire	East Midlands	ENG	59.9	61.1	60.2	88	126	214	29	42	71	14	41	145
E07000037	High Peak	Derbyshire	East Midlands	ENG	56.8	52.9	55.6	75	90	165	25	30	55	47	81	191
E07000038	North East Derbyshire	Derbyshire	East Midlands	ENG	57.3	51.5	54.2	92	113	205	31	38	68	58	97	164
E07000039	South Derbyshire	Derbyshire	East Midlands	ENG	47.5	45.1	46.7	63	77	140	21	26	47	170	228	206
E07000040	East Devon	Devon	South West	ENG	42.8	51.5	47.5	135	231	366	45	77	122	156	214	233
E07000041	Exeter	Devon	South West	ENG	47.3	54.3	51.8	71	124	195	24	41	65	89	135	180
E07000042	Mid Devon	Devon	South West	ENG	39.4	45.5	43.2	54	85	139	18	28	46	224	287	169
E07000043	North Devon	Devon	South West	ENG	52.6	55.3	55.0	94	132	226	31	44	75	54	91	124
E06000026	Plymouth	Devon	South West	ENG	56.0	58.6	58.0	181	270	451	60	90	150	28	60	63
E07000044	South Hams	Devon	South West	ENG	43.6	49.2	47.3	71	113	184	24	38	61	160	218	219
E07000045	Teignbridge	Devon	South West	ENG	46.4	53.0	50.0	111	177	288	37	59	96	119	169	185
E06000027	Torbay	Devon	South West	ENG	58.0	52.1	55.2	144	191	335	48	64	112	51	87	47
E07000046	Torridge	Devon	South West	ENG	57.2	63.0	61.6	74	108	182	25	36	61	10	35	94

Table 1.25 Age-standardised death rates per 100,000 and number of deaths for stroke (CBVD), all ages, by local authority, United Kingdom 2021/23

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					ALL AGES											
					Age-standardised stroke (CBVD) death rates per 100,000 - Annual Average (3-Year)			Total number of stroke (CBVD) deaths 2021/23			Average number of annual stroke (CBVD) deaths for 2021/23			ASDR Rank (1 = highest death rate)		IMD - Rank of average rank (1= most deprived)
LA Code	LA/DC/UA	Ceremonial County (Eng/Wal)	Region/Nation	4N	Men	Women	Total	Men	Women	Total	Men	Women	Total	4N	UK-wide	4N
E07000047	West Devon	Devon	South West	ENG	46.4	55.2	52.4	51	82	133	17	27	44	84	129	155
E06000058	Bournemouth, Christchurch and Poole	Dorset	South West	ENG	52.8	49.0	51.4	328	439	767	109	146	256	99	146	153
E06000059	Dorset	Dorset	South West	ENG	48.9	47.1	48.3	391	517	908	130	172	303	143	197	190
E06000043	Brighton and Hove	East Sussex	South East	ENG	45.5	53.1	50.8	122	207	329	41	69	110	108	157	123
E07000061	Eastbourne	East Sussex	South East	ENG	56.4	49.4	52.8	96	134	230	32	45	77	80	125	109
E07000062	Hastings	East Sussex	South East	ENG	63.3	52.9	57.2	74	88	162	25	29	54	33	66	17
E07000063	Lewes	East Sussex	South East	ENG	42.2	39.7	41.3	77	115	192	26	38	64	254	318	189
E07000064	Rother	East Sussex	South East	ENG	44.6	48.2	46.9	91	147	238	30	49	79	165	223	131
E07000065	Wealden	East Sussex	South East	ENG	56.2	51.9	54.1	163	213	376	54	71	125	59	98	238
E07000066	Basildon	Essex	East of England	ENG	53.7	43.4	47.9	112	130	242	37	43	81	150	207	95
E07000067	Braintree	Essex	East of England	ENG	47.5	41.7	44.3	99	122	221	33	41	74	207	270	202
E07000068	Brentwood	Essex	East of England	ENG	51.2	39.2	43.8	58	67	125	19	22	42	215	278	270
E07000069	Castle Point	Essex	East of England	ENG	37.3	33.1	35.2	57	70	127	19	23	42	290	355	171
E07000070	Chelmsford	Essex	East of England	ENG	45.1	43.1	43.8	109	143	252	36	48	84	214	277	239
E07000071	Colchester	Essex	East of England	ENG	46.2	42.6	44.5	109	136	245	36	45	82	202	265	174
E07000072	Epping Forest	Essex	East of England	ENG	29.7	35.0	32.8	54	91	145	18	30	48	294	359	195
E07000073	Harlow	Essex	East of England	ENG	42.0	54.0	48.5	38	69	107	13	23	36	139	193	117
E07000074	Maldon	Essex	East of England	ENG	52.8	38.4	45.1	58	58	116	19	19	39	195	255	213
E07000075	Rochford	Essex	East of England	ENG	46.5	38.2	41.8	60	73	133	20	24	44	245	309	265
E06000033	Southend-on-Sea	Essex	East of England	ENG	55.8	39.3	46.2	129	136	265	43	45	88	176	236	105
E07000076	Tendring	Essex	East of England	ENG	44.2	42.1	43.7	133	173	306	44	58	102	218	281	35
E06000034	Thurrock	Essex	East of England	ENG	52.2	38.3	43.1	78	83	161	26	28	54	225	288	120
E07000077	Uttlesford	Essex	East of England	ENG	43.9	32.9	37.0	55	61	116	18	20	39	283	347	278
E07000078	Cheltenham	Gloucestershire	South West	ENG	53.5	46.3	49.0	85	116	201	28	39	67	133	186	210
E07000079	Cotswold	Gloucestershire	South West	ENG	46.5	47.6	47.6	75	107	182	25	36	61	153	211	260
E07000080	Forest of Dean	Gloucestershire	South West	ENG	45.4	54.6	51.7	65	103	168	22	34	56	93	140	156
E07000081	Gloucester	Gloucestershire	South West	ENG	67.4	50.0	56.5	99	105	204	33	35	68	39	72	112
E06000025	South Gloucestershire	Gloucestershire	South West	ENG	38.2	38.4	38.8	146	204	350	49	68	117	270	334	253
E07000082	Stroud	Gloucestershire	South West	ENG	57.4	45.7	50.8	107	120	227	36	40	76	109	158	262
E07000083	Tewkesbury	Gloucestershire	South West	ENG	46.0	46.8	47.3	68	94	162	23	31	54	157	215	241
E09000002	Barking and Dagenham	Greater London	London	ENG	53.4	51.1	52.7	79	96	175	26	32	58	82	127	21
E09000003	Barnet	Greater London	London	ENG	38.1	30.4	34.0	150	181	331	50	60	110	292	357	181
E09000004	Bexley	Greater London	London	ENG	49.3	41.9	46.0	139	179	318	46	60	106	182	242	178
E09000005	Brent	Greater London	London	ENG	54.1	43.7	48.3	155	164	319	52	55	106	142	196	76
E09000006	Bromley	Greater London	London	ENG	47.2	39.9	43.1	193	237	430	64	79	143	227	290	214
E09000007	Camden	Greater London	London	ENG	45.3	37.9	41.5	75	91	166	25	30	55	249	313	130
E09000001	City of London	Greater London	London	ENG	*	*	*	*	*	*	*	*	*	*	*	203
E09000008	Croydon	Greater London	London	ENG	57.9	46.3	51.4	215	238	453	72	79	151	100	147	103
E09000009	Ealing	Greater London	London	ENG	51.6	41.5	46.4	168	172	340	56	57	113	173	232	100
E09000010	Enfield	Greater London	London	ENG	46.0	39.1	42.5	149	177	326	50	59	109	235	299	72
E09000011	Greenwich	Greater London	London	ENG	54.5	52.0	54.0	113	143	256	38	48	85	65	104	84
E09000012	Hackney	Greater London	London	ENG	70.1	47.6	57.6	100	90	190	33	30	63	29	61	22
E09000013	Hammersmith and Fulham	Greater London	London	ENG	49.0	46.5	47.9	61	81	142	20	27	47	149	206	107
E09000014	Haringey	Greater London	London	ENG	59.8	45.4	51.2	109	120	229	36	40	76	103	151	48
E09000015	Harrow	Greater London	London	ENG	41.5	35.0	38.2	121	136	257	40	45	86	272	336	197
E09000016	Havering	Greater London	London	ENG	41.8	40.9	41.3	130	188	318	43	63	106	252	316	173
E09000017	Hillingdon	Greater London	London	ENG	54.4	42.2	47.6	157	169	326	52	56	109	154	212	152
E09000018	Hounslow	Greater London	London	ENG	53.6	49.0	52.1	136	148	284	45	49	95	86	131	115

Table 1.25 Age-standardised death rates per 100,000 and number of deaths for stroke (CBVD), all ages, by local authority, United Kingdom 2021/23

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					Age-standardised stroke (CBVD) death rates per 100,000 - Annual Average (3-Year)			Total number of stroke (CBVD) deaths 2021/23			Average number of annual stroke (CBVD) deaths for 2021/23			ASDR Rank (1 = highest death rate)		IMD - Rank of average rank (1= most deprived)
LA Code	LA/DC/UA	Ceremonial County (Eng/Wal)	Region/Nation	4N	Men	Women	Total	Men	Women	Total	Men	Women	Total	4N	UK-wide	4N
E09000019	Islington	Greater London	London	ENG	52.4	48.5	50.0	69	88	157	23	29	52	120	170	52
E09000020	Kensington and Chelsea	Greater London	London	ENG	51.3	33.9	41.3	70	66	136	23	22	45	255	319	114
E09000021	Kingston upon Thames	Greater London	London	ENG	39.7	34.9	37.3	69	82	151	23	27	50	279	343	257
E09000022	Lambeth	Greater London	London	ENG	67.6	42.6	53.0	127	110	237	42	37	79	77	122	78
E09000023	Lewisham	Greater London	London	ENG	56.9	56.9	57.3	113	162	275	38	54	92	32	65	62
E09000024	Merton	Greater London	London	ENG	56.3	37.5	45.6	103	100	203	34	33	68	189	249	204
E09000025	Newham	Greater London	London	ENG	61.3	48.0	54.0	109	110	219	36	37	73	64	103	42
E09000026	Redbridge	Greater London	London	ENG	49.4	42.6	45.9	134	156	290	45	52	97	184	244	166
E09000027	Richmond upon Thames	Greater London	London	ENG	37.4	33.7	35.7	79	104	183	26	35	61	288	353	276
E09000028	Southwark	Greater London	London	ENG	58.4	45.2	51.8	111	111	222	37	37	74	91	137	70
E09000029	Sutton	Greater London	London	ENG	44.4	33.5	37.9	93	108	201	31	36	67	276	340	217
E09000030	Tower Hamlets	Greater London	London	ENG	58.9	47.6	53.1	81	78	159	27	26	53	76	119	49
E09000031	Waltham Forest	Greater London	London	ENG	47.2	42.4	44.9	99	112	211	33	37	70	197	258	79
E09000032	Wandsworth	Greater London	London	ENG	52.9	42.8	47.0	113	135	248	38	45	83	164	222	176
E09000033	Westminster	Greater London	London	ENG	54.8	36.4	36.4	95	85	85	32	28	28	286	350	129
E08000001	Bolton	Greater Manchester	North West	ENG	57.9	55.7	56.8	188	243	431	63	81	144	36	69	33
E08000002	Bury	Greater Manchester	North West	ENG	64.6	47.0	55.4	153	149	302	51	50	101	48	83	91
E08000003	Manchester	Greater Manchester	North West	ENG	68.0	57.0	61.6	237	261	498	79	87	166	11	36	6
E08000004	Oldham	Greater Manchester	North West	ENG	63.3	57.7	60.7	163	193	356	54	64	119	13	40	19
E08000005	Rochdale	Greater Manchester	North West	ENG	73.5	57.5	65.0	175	182	357	58	61	119	5	28	15
E08000006	Salford	Greater Manchester	North West	ENG	64.9	50.9	57.6	160	162	322	53	54	107	30	62	18
E08000007	Stockport	Greater Manchester	North West	ENG	54.5	44.5	48.6	213	258	471	71	86	157	137	191	122
E08000008	Tameside	Greater Manchester	North West	ENG	64.3	48.4	55.0	164	168	332	55	56	111	53	90	28
E08000009	Trafford	Greater Manchester	North West	ENG	53.6	44.2	48.4	150	182	332	50	61	111	141	195	182
E08000010	Wigan	Greater Manchester	North West	ENG	59.2	49.0	54.0	246	257	503	82	86	168	66	105	73
E07000084	Basingstoke and Deane	Hampshire	South East	ENG	32.0	38.7	35.9	70	111	181	23	37	60	287	352	232
E07000085	East Hampshire	Hampshire	South East	ENG	55.2	46.0	49.7	110	133	243	37	44	81	126	178	266
E07000086	Eastleigh	Hampshire	South East	ENG	42.6	37.7	39.8	80	100	180	27	33	60	267	331	268
E07000087	Fareham	Hampshire	South East	ENG	43.7	47.4	46.1	84	139	223	28	46	74	178	238	279
E07000088	Gosport	Hampshire	South East	ENG	55.8	47.2	52.0	68	80	148	23	27	49	88	133	125
E07000089	Hart	Hampshire	South East	ENG	34.8	33.9	34.2	49	65	114	16	22	38	291	356	296
E07000090	Havant	Hampshire	South East	ENG	41.6	38.7	39.9	87	113	200	29	38	67	266	330	113
E07000091	New Forest	Hampshire	South East	ENG	51.0	42.9	46.3	189	229	418	63	76	139	175	235	229
E06000044	Portsmouth	Hampshire	South East	ENG	59.5	47.4	53.5	123	142	265	41	47	88	70	110	58
E07000092	Rushmoor	Hampshire	South East	ENG	39.0	46.7	44.0	40	63	103	13	21	34	211	274	184
E06000045	Southampton	Hampshire	South East	ENG	45.9	48.5	48.4	107	158	265	36	53	88	140	194	60
E07000093	Test Valley	Hampshire	South East	ENG	43.9	40.8	41.3	80	109	189	27	36	63	253	317	245
E07000094	Winchester	Hampshire	South East	ENG	39.6	34.7	37.2	76	98	174	25	33	58	280	344	274
E06000019	Herefordshire, County of	Herefordshire	West Midlands	ENG	58.0	53.4	56.2	194	243	437	65	81	146	43	76	144
E07000095	Broxbourne	Hertfordshire	East of England	ENG	43.9	37.7	40.5	53	63	116	18	21	39	261	325	157
E07000096	Dacorum	Hertfordshire	East of England	ENG	45.3	43.3	44.3	86	117	203	29	39	68	205	268	230
E07000242	East Hertfordshire	Hertfordshire	East of England	ENG	41.3	40.2	40.3	77	107	184	26	36	61	264	328	288
E07000098	Hertsmere	Hertfordshire	East of England	ENG	39.7	36.7	38.7	54	75	129	18	25	43	271	335	218
E07000099	North Hertfordshire	Hertfordshire	East of England	ENG	48.3	40.1	43.9	89	106	195	30	35	65	212	275	254
E07000240	St Albans	Hertfordshire	East of England	ENG	35.3	32.0	33.9	67	86	153	22	29	51	293	358	287
E07000243	Stevenage	Hertfordshire	East of England	ENG	59.5	50.1	54.1	56	67	123	19	22	41	62	101	132
E07000102	Three Rivers	Hertfordshire	East of England	ENG	40.1	32.6	36.4	48	56	104	16	19	35	285	349	273
E07000103	Watford	Hertfordshire	East of England	ENG	65.5	57.6	60.0	57	73	130	19	24	43	15	43	193

Table 1.25 Age-standardised death rates per 100,000 and number of deaths for stroke (CBVD), all ages, by local authority, United Kingdom 2021/23

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					Age-standardised stroke (CBVD) death rates per 100,000 - Annual Average (3-Year)			Total number of stroke (CBVD) deaths 2021/23			Average number of annual stroke (CBVD) deaths for 2021/23			ASDR Rank (1 = highest death rate)		IMD - Rank of average rank (1= most deprived)
LA Code	LA/DC/UA	Ceremonial County (Eng/Wal)	Region/Nation	4N	Men	Women	Total	Men	Women	Total	Men	Women	Total	4N	UK-wide	4N
E07000241	Welwyn Hatfield	Hertfordshire	East of England	ENG	49.1	38.2	43.4	67	77	144	22	26	48	221	284	212
E06000046	Isle of Wight	Isle of Wight	South East	ENG	48.8	38.0	42.6	129	138	267	43	46	89	234	298	93
E07000105	Ashford	Kent	South East	ENG	52.8	48.8	50.4	88	115	203	29	38	68	116	165	151
E07000106	Canterbury	Kent	South East	ENG	54.3	49.5	51.6	122	169	291	41	56	97	96	143	172
E07000107	Dartford	Kent	South East	ENG	55.9	45.8	50.8	62	73	135	21	24	45	107	156	146
E07000108	Dover	Kent	South East	ENG	58.4	51.8	55.3	107	128	235	36	43	78	49	84	108
E07000112	Folkestone and Hythe (Shepway)	Kent	South East	ENG	48.2	49.3	49.7	90	126	216	30	42	72	124	176	86
E07000109	Gravesham	Kent	South East	ENG	53.9	34.9	43.6	69	59	128	23	20	43	219	282	116
E07000110	Maidstone	Kent	South East	ENG	41.8	42.1	42.5	94	136	230	31	45	77	238	302	177
E06000035	Medway	Kent	South East	ENG	46.9	44.2	45.8	142	179	321	47	60	107	186	246	89
E07000111	Sevenoaks	Kent	South East	ENG	45.1	43.6	44.3	84	118	202	28	39	67	204	267	237
E07000113	Swale	Kent	South East	ENG	47.4	44.6	45.9	86	112	198	29	37	66	185	245	55
E07000114	Thanet	Kent	South East	ENG	76.3	52.4	63.1	161	162	323	54	54	108	8	32	30
E07000115	Tonbridge and Malling	Kent	South East	ENG	51.3	51.7	51.6	84	123	207	28	41	69	97	144	224
E07000116	Tunbridge Wells	Kent	South East	ENG	52.3	54.1	53.7	84	128	212	28	43	71	69	108	258
E06000008	Blackburn with Darwen	Lancashire	North West	ENG	55.1	59.4	58.7	86	114	200	29	38	67	23	53	9
E06000009	Blackpool	Lancashire	North West	ENG	52.8	57.2	56.0	107	144	251	36	48	84	45	79	1
E07000117	Burnley	Lancashire	North West	ENG	74.3	62.0	67.5	81	90	171	27	30	57	1	21	8
E07000118	Chorley	Lancashire	North West	ENG	50.0	51.1	51.4	83	103	186	28	34	62	98	145	170
E07000119	Fylde	Lancashire	North West	ENG	51.1	38.8	44.7	79	85	164	26	28	55	198	259	186
E07000120	Hyndburn	Lancashire	North West	ENG	42.8	59.6	53.5	43	77	120	14	26	40	71	111	16
E07000121	Lancaster	Lancashire	North West	ENG	70.5	59.8	63.7	131	163	294	44	54	98	7	31	85
E07000122	Pendle	Lancashire	North West	ENG	58.1	43.4	50.6	68	64	132	23	21	44	114	163	32
E07000123	Preston	Lancashire	North West	ENG	58.7	48.8	53.8	94	99	193	31	33	64	68	107	44
E07000124	Ribble Valley	Lancashire	North West	ENG	29.3	43.6	37.9	31	60	91	10	20	30	273	337	264
E07000125	Rossendale	Lancashire	North West	ENG	65.1	43.0	53.3	57	49	106	19	16	35	73	114	88
E07000126	South Ribble	Lancashire	North West	ENG	43.0	38.1	40.4	70	82	152	23	27	51	263	327	194
E07000127	West Lancashire	Lancashire	North West	ENG	65.7	54.4	58.9	108	128	236	36	43	79	21	50	147
E07000128	Wyre	Lancashire	North West	ENG	51.6	42.7	47.3	114	122	236	38	41	79	159	217	121
E07000129	Blaby	Leicestershire	East Midlands	ENG	50.3	36.8	42.1	70	69	139	23	23	46	241	305	263
E07000130	Charnwood	Leicestershire	East Midlands	ENG	47.6	39.7	43.4	111	127	238	37	42	79	222	285	226
E07000131	Harborough	Leicestershire	East Midlands	ENG	43.9	45.2	44.5	63	90	153	21	30	51	203	266	290
E07000132	Hinckley and Bosworth	Leicestershire	East Midlands	ENG	43.1	43.1	43.1	69	96	165	23	32	55	226	289	222
E06000016	Leicester	Leicestershire	East Midlands	ENG	49.1	50.2	49.9	152	197	349	51	66	116	122	172	31
E07000133	Melton	Leicestershire	East Midlands	ENG	58.9	40.5	47.3	44	43	87	15	14	29	158	216	236
E07000134	North West Leicestershire	Leicestershire	East Midlands	ENG	46.1	50.5	49.2	63	88	151	21	29	50	132	185	205
E07000135	Oadby and Wigston	Leicestershire	East Midlands	ENG	38.8	33.5	35.4	33	43	76	11	14	25	289	354	231
E07000136	Boston	Lincolnshire	East Midlands	ENG	49.7	53.7	52.5	50	69	119	17	23	40	83	128	98
E07000137	East Lindsey	Lincolnshire	East Midlands	ENG	52.2	50.8	51.8	157	179	336	52	60	112	90	136	38
E07000138	Lincoln	Lincolnshire	East Midlands	ENG	58.7	43.9	51.2	61	65	126	20	22	42	102	150	59
E07000139	North Kesteven	Lincolnshire	East Midlands	ENG	43.8	47.2	45.4	84	117	201	28	39	67	191	251	255
E07000140	South Holland	Lincolnshire	East Midlands	ENG	39.0	51.8	46.8	64	108	172	21	36	57	166	224	161
E07000141	South Kesteven	Lincolnshire	East Midlands	ENG	46.7	40.3	43.3	104	119	223	35	40	74	223	286	221
E07000142	West Lindsey	Lincolnshire	East Midlands	ENG	46.0	40.1	43.1	74	80	154	25	27	51	228	291	128
E06000012	North East Lincolnshire	Lincolnshire	Yorkshire & The Humber	ENG	52.3	49.0	51.0	119	144	263	40	48	88	106	155	29
E06000013	North Lincolnshire	Lincolnshire	Yorkshire & The Humber	ENG	55.2	43.7	48.6	133	146	279	44	49	93	138	192	110
E08000011	Knowsley	Merseyside	North West	ENG	61.3	57.6	59.5	102	133	235	34	44	78	18	46	2
E08000012	Liverpool	Merseyside	North West	ENG	63.4	56.5	59.7	304	370	674	101	123	225	17	45	3

Table 1.25 Age-standardised death rates per 100,000 and number of deaths for stroke (CBVD), all ages, by local authority, United Kingdom 2021/23

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					ALL AGES											
					Age-standardised stroke (CBVD) death rates per 100,000 - Annual Average (3-Year)			Total number of stroke (CBVD) deaths 2021/23			Average number of annual stroke (CBVD) deaths for 2021/23			ASDR Rank (1 = highest death rate)		IMD - Rank of average rank (1= most deprived)
LA Code	LA/DC/UA	Ceremonial County (Eng/Wal)	Region/Nation	4N	Men	Women	Total	Men	Women	Total	Men	Women	Total	4N	UK-wide	4N
E08000014	Sefton	Merseyside	North West	ENG	53.9	50.1	51.6	231	319	550	77	106	183	95	142	57
E08000013	St. Helens	Merseyside	North West	ENG	62.4	51.2	56.7	158	164	322	53	55	107	38	71	26
E08000015	Wirral	Merseyside	North West	ENG	46.9	43.7	45.3	216	288	504	72	96	168	192	252	41
E07000143	Breckland	Norfolk	East of England	ENG	58.7	48.7	53.4	138	161	299	46	54	100	72	113	135
E07000144	Broadland	Norfolk	East of England	ENG	44.6	53.6	49.8	108	174	282	36	58	94	123	174	248
E07000145	Great Yarmouth	Norfolk	East of England	ENG	49.1	55.0	52.8	77	115	192	26	38	64	79	124	20
E07000146	King's Lynn and West Norfolk	Norfolk	East of England	ENG	53.1	41.9	46.8	146	154	300	49	51	100	168	226	90
E07000147	North Norfolk	Norfolk	East of England	ENG	41.2	41.5	41.7	100	133	233	33	44	78	246	310	119
E07000148	Norwich	Norfolk	East of England	ENG	53.3	53.2	54.1	78	114	192	26	38	64	60	99	51
E07000149	South Norfolk	Norfolk	East of England	ENG	43.6	41.3	42.5	106	134	240	35	45	80	239	303	225
E06000061	North Northamptonshire	Northamptonshire	East Midlands	ENG	54.1	43.3	48.7	241	246	487	80	82	162	135	189	133
E06000062	West Northamptonshire	Northamptonshire	East Midlands	ENG	50.0	37.9	43.5	247	246	493	82	82	164	220	283	162
E06000057	Northumberland	Northumberland	North East	ENG	55.2	49.4	52.1	291	348	639	97	116	213	87	132	111
E07000170	Ashfield	Nottinghamshire	East Midlands	ENG	52.5	60.0	56.3	83	131	214	28	44	71	41	74	67
E07000171	Bassetlaw	Nottinghamshire	East Midlands	ENG	50.7	40.1	45.3	91	91	182	30	30	61	193	253	101
E07000172	Broxtowe	Nottinghamshire	East Midlands	ENG	57.2	51.4	54.0	90	118	208	30	39	69	63	102	211
E07000173	Gedling	Nottinghamshire	East Midlands	ENG	67.4	56.7	61.7	110	134	244	37	45	81	9	34	199
E07000174	Mansfield	Nottinghamshire	East Midlands	ENG	56.8	41.0	47.6	77	78	155	26	26	52	155	213	45
E07000175	Newark and Sherwood	Nottinghamshire	East Midlands	ENG	58.2	43.6	50.3	108	104	212	36	35	71	117	166	137
E06000018	Nottingham	Nottinghamshire	East Midlands	ENG	72.9	60.3	66.1	186	223	409	62	74	136	2	23	11
E07000176	Rushcliffe	Nottinghamshire	East Midlands	ENG	47.0	47.1	47.8	81	130	211	27	43	70	151	209	294
E07000177	Cherwell	Oxfordshire	South East	ENG	38.5	45.0	42.5	75	120	195	25	40	65	237	301	208
E07000178	Oxford	Oxfordshire	South East	ENG	45.5	30.6	37.4	60	59	119	20	20	40	278	342	175
E07000179	South Oxfordshire	Oxfordshire	South East	ENG	42.2	40.2	40.8	89	123	212	30	41	71	258	322	283
E07000180	Vale of White Horse	Oxfordshire	South East	ENG	45.0	41.7	43.7	87	117	204	29	39	68	217	280	286
E07000181	West Oxfordshire	Oxfordshire	South East	ENG	41.0	35.6	37.9	72	89	161	24	30	54	274	338	281
E06000017	Rutland	Rutland	East Midlands	ENG	51.7	24.3	36.8	39	24	63	13	8	21	284	348	284
E06000051	Shropshire	Shropshire	West Midlands	ENG	51.1	50.5	51.3	290	388	678	97	129	226	101	149	167
E06000020	Telford and Wrekin	Shropshire	West Midlands	ENG	55.5	47.2	50.7	114	132	246	38	44	82	111	160	82
E06000022	Bath and North East Somerset	Somerset	South West	ENG	44.5	38.6	41.9	117	148	265	39	49	88	243	307	249
E06000024	North Somerset	Somerset	South West	ENG	40.5	39.4	40.5	146	200	346	49	67	115	262	326	187
E06000066	Somerset	Somerset	South West	ENG	51.1	48.2	49.9	488	653	1,141	163	218	380	121	171	150
E07000192	Cannock Chase	Staffordshire	West Midlands	ENG	43.3	45.5	45.6	58	78	136	19	26	45	188	248	126
E07000193	East Staffordshire	Staffordshire	West Midlands	ENG	48.8	40.1	44.0	75	86	161	25	29	54	209	272	138
E07000194	Lichfield	Staffordshire	West Midlands	ENG	48.8	42.6	44.7	78	93	171	26	31	57	199	260	234
E07000195	Newcastle-under-Lyme	Staffordshire	West Midlands	ENG	34.2	47.5	42.5	63	115	178	21	38	59	236	300	143
E07000196	South Staffordshire	Staffordshire	West Midlands	ENG	44.7	47.5	47.0	87	121	208	29	40	69	163	221	228
E07000197	Stafford	Staffordshire	West Midlands	ENG	45.4	36.4	41.0	99	104	203	33	35	68	257	321	220
E07000198	Staffordshire Moorlands	Staffordshire	West Midlands	ENG	44.3	41.6	43.9	74	93	167	25	31	56	213	276	196
E06000021	Stoke-on-Trent	Staffordshire	West Midlands	ENG	48.5	43.6	46.1	144	170	314	48	57	105	181	241	14
E07000199	Tamworth	Staffordshire	West Midlands	ENG	44.1	32.9	37.1	40	41	81	13	14	27	282	346	118
E07000200	Babergh	Suffolk	East of England	ENG	55.5	31.0	41.4	93	72	165	31	24	55	251	315	209
E07000244	East Suffolk	Suffolk	East of England	ENG	46.0	46.3	46.3	219	299	518	73	100	173	174	234	136
E07000202	Ipswich	Suffolk	East of England	ENG	48.0	52.6	50.6	77	118	195	26	39	65	112	161	69
E07000203	Mid Suffolk	Suffolk	East of England	ENG	48.4	45.0	46.1	83	101	184	28	34	61	179	239	227
E07000245	West Suffolk	Suffolk	East of England	ENG	43.8	44.0	44.0	113	157	270	38	52	90	208	271	179
E07000207	Elmbridge	Surrey	South East	ENG	41.5	43.7	43.0	75	125	200	25	42	67	229	292	291
E07000208	Epsom and Ewell	Surrey	South East	ENG	67.1	31.8	47.2	67	48	115	22	16	38	161	219	280

Table 1.25 Age-standardised death rates per 100,000 and number of deaths for stroke (CBVD), all ages, by local authority, United Kingdom 2021/23

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LA CodeLA/DC/UA Ceremonial County (Eng/Wal) Region/Nation 4N					ALL AGES										ASDR Rank (1 = highest death rate)		IMD - Rank of average rank (1= most deprived)
					Age-standardised stroke (CBVD) death rates per 100,000 - Annual Average (3-Year)			Total number of stroke (CBVD) deaths 2021/23			Average number of annual stroke (CBVD) deaths for 2021/23						
LA Code	LA/DC/UA	Ceremonial County (Eng/Wal)	Region/Nation	4N	Men	Women	Total	Men	Women	Total	Men	Women	Total	4N	UK-wide	4N	
E07000209	Guildford	Surrey	South East	ENG	41.8	38.2	40.0	75	97	172	25	32	57	265	329	277	
E07000210	Mole Valley	Surrey	South East	ENG	45.6	40.1	43.0	69	88	157	23	29	52	230	293	275	
E07000211	Reigate and Banstead	Surrey	South East	ENG	52.6	42.5	47.2	101	127	228	34	42	76	162	220	259	
E07000212	Runnymede	Surrey	South East	ENG	44.9	43.7	44.6	50	68	118	17	23	39	201	264	242	
E07000213	Spelthorne	Surrey	South East	ENG	52.5	34.1	42.7	72	65	137	24	22	46	233	296	198	
E07000214	Surrey Heath	Surrey	South East	ENG	42.7	32.9	37.4	56	64	120	19	21	40	277	341	289	
E07000215	Tandridge	Surrey	South East	ENG	46.5	49.1	48.2	61	93	154	20	31	51	145	199	246	
E07000216	Waverley	Surrey	South East	ENG	36.7	37.3	37.9	76	122	198	25	41	66	275	339	293	
E07000217	Woking	Surrey	South East	ENG	39.7	38.4	39.8	51	70	121	17	23	40	268	332	261	
E08000037	Gateshead	Tyne & Wear	North East	ENG	61.1	56.4	59.1	158	206	364	53	69	121	19	48	46	
E08000021	Newcastle upon Tyne	Tyne & Wear	North East	ENG	56.7	48.6	52.3	170	208	378	57	69	126	85	130	40	
E08000022	North Tyneside	Tyne & Wear	North East	ENG	53.4	52.4	53.8	148	207	355	49	69	118	67	106	106	
E08000023	South Tyneside	Tyne & Wear	North East	ENG	65.4	63.3	66.1	136	179	315	45	60	105	3	24	27	
E08000024	Sunderland	Tyne & Wear	North East	ENG	61.1	50.7	55.3	219	250	469	73	83	156	50	86	34	
E07000218	North Warwickshire	Warwickshire	West Midlands	ENG	44.2	42.9	43.8	42	54	96	14	18	32	216	279	160	
E07000219	Nuneaton and Bedworth	Warwickshire	West Midlands	ENG	54.1	44.7	48.1	89	101	190	30	34	63	146	200	92	
E07000220	Rugby	Warwickshire	West Midlands	ENG	44.0	41.9	42.9	63	82	145	21	27	48	232	295	215	
E07000221	Stratford-on-Avon	Warwickshire	West Midlands	ENG	47.3	39.0	41.9	107	130	237	36	43	79	244	308	250	
E07000222	Warwick	Warwickshire	West Midlands	ENG	43.6	50.7	47.7	85	141	226	28	47	75	152	210	243	
E08000025	Birmingham	West Midlands	West Midlands	ENG	58.9	48.1	52.9	613	702	1,315	204	234	438	78	123	7	
E08000026	Coventry	West Midlands	West Midlands	ENG	52.3	50.1	51.7	186	244	430	62	81	143	92	139	75	
E08000027	Dudley	West Midlands	West Midlands	ENG	45.9	43.9	44.9	201	267	468	67	89	156	196	257	87	
E08000028	Sandwell	West Midlands	West Midlands	ENG	59.8	44.0	51.2	206	205	411	69	68	137	104	152	12	
E08000029	Solihull	West Midlands	West Midlands	ENG	47.7	43.7	45.8	151	204	355	50	68	118	187	247	165	
E08000030	Walsall	West Midlands	West Midlands	ENG	60.5	49.2	54.8	209	233	442	70	78	147	55	92	25	
E08000031	Wolverhampton	West Midlands	West Midlands	ENG	62.6	56.9	59.9	193	241	434	64	80	145	16	44	24	
E07000223	Adur	West Sussex	South East	ENG	32.4	45.8	40.6	35	70	105	12	23	35	260	324	163	
E07000224	Arun	West Sussex	South East	ENG	48.8	45.0	46.8	161	218	379	54	73	126	167	225	148	
E07000225	Chichester	West Sussex	South East	ENG	53.7	40.2	46.0	125	137	262	42	46	87	183	243	216	
E07000226	Crawley	West Sussex	South East	ENG	42.2	39.5	41.1	46	63	109	15	21	36	256	320	141	
E07000227	Horsham	West Sussex	South East	ENG	38.9	46.0	43.0	91	154	245	30	51	82	231	294	272	
E07000228	Mid Sussex	West Sussex	South East	ENG	49.7	43.8	46.6	109	145	254	36	48	85	172	230	292	
E07000229	Worthing	West Sussex	South East	ENG	43.4	47.6	46.2	75	129	204	25	43	68	177	237	168	
E06000030	Swindon	Wiltshire	South West	ENG	61.6	47.7	53.3	154	164	318	51	55	106	74	116	149	
E06000054	Wiltshire	Wiltshire	South West	ENG	49.7	48.2	49.4	382	518	900	127	173	300	131	183	223	
E07000234	Bromsgrove	Worcestershire	West Midlands	ENG	47.3	42.5	45.4	76	99	175	25	33	58	190	250	252	
E07000235	Malvern Hills	Worcestershire	West Midlands	ENG	55.4	58.9	56.9	83	124	207	28	41	69	34	67	183	
E07000236	Redditch	Worcestershire	West Midlands	ENG	58.8	43.4	47.9	53	57	110	18	19	37	148	204	102	
E07000237	Worcester	Worcestershire	West Midlands	ENG	62.0	52.8	57.3	76	92	168	25	31	56	31	64	127	
E07000238	Wychavon	Worcestershire	West Midlands	ENG	44.7	50.2	47.9	97	155	252	32	52	84	147	203	188	
E07000239	Wyre Forest	Worcestershire	West Midlands	ENG	59.2	56.2	58.6	101	127	228	34	42	76	24	54	104	
E06000011	East Riding of Yorkshire	Yorkshire (East Riding)	Yorkshire & The Humber	ENG	59.2	49.8	54.1	347	409	756	116	136	252	61	100	192	
E06000010	Kingston upon Hull, City of	Yorkshire (East Riding)	Yorkshire & The Humber	ENG	73.4	59.4	65.3	192	211	403	64	70	134	4	27	4	
E06000002	Middlesbrough	Yorkshire (North Yorkshire)	North East	ENG	70.7	46.2	56.1	110	100	210	37	33	70	44	78	5	
E06000003	Redcar and Cleveland	Yorkshire (North Yorkshire)	North East	ENG	53.8	58.0	56.2	107	160	267	36	53	89	42	75	39	
E06000065	North Yorkshire	Yorkshire (North Yorkshire)	Yorkshire & The Humber	ENG	50.9	49.9	50.6	514	710	1,224	171	237	408	113	162	201	
E06000014	York	Yorkshire (North Yorkshire)	Yorkshire & The Humber	ENG	51.1	45.6	48.3	130	182	312	43	61	104	144	198	251	
E08000016	Barnsley	Yorkshire (South Yorkshire)	Yorkshire & The Humber	ENG	59.0	56.8	58.4	183	233	416	61	78	139	26	57	37	

Table 1.25 Age-standardised death rates per 100,000 and number of deaths for stroke (CBVD), all ages, by local authority, United Kingdom 2021/23

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					ALL AGES											
					Age-standardised stroke (CBVD) death rates per 100,000 - Annual Average (3-Year)			Total number of stroke (CBVD) deaths 2021/23			Average number of annual stroke (CBVD) deaths for 2021/23			ASDR Rank (1 = highest death rate)		IMD - Rank of average rank (1= most deprived)
LA Code	LA/DC/UA	Ceremonial County (Eng/Wal)	Region/Nation	4N	Men	Women	Total	Men	Women	Total	Men	Women	Total	4N	UK-wide	4N
E08000017	Doncaster	Yorkshire (South Yorkshire)	Yorkshire & The Humber	ENG	50.8	48.3	49.5	199	255	454	66	85	151	129	181	36
E08000018	Rotherham	Yorkshire (South Yorkshire)	Yorkshire & The Humber	ENG	51.4	48.4	50.8	184	218	402	61	73	134	110	159	43
E08000019	Sheffield	Yorkshire (South Yorkshire)	Yorkshire & The Humber	ENG	56.9	51.6	54.3	364	467	831	121	156	277	57	96	56
E08000032	Bradford	Yorkshire (West Yorkshire)	Yorkshire & The Humber	ENG	70.7	52.9	61.2	403	410	813	134	137	271	12	38	13
E08000033	Calderdale	Yorkshire (West Yorkshire)	Yorkshire & The Humber	ENG	65.4	49.5	56.8	164	173	337	55	58	112	37	70	65
E08000034	Kirklees	Yorkshire (West Yorkshire)	Yorkshire & The Humber	ENG	63.6	49.8	55.9	320	345	665	107	115	222	46	80	80
E08000035	Leeds	Yorkshire (West Yorkshire)	Yorkshire & The Humber	ENG	55.5	44.9	49.6	470	542	1,012	157	181	337	128	180	54
E08000036	Wakefield	Yorkshire (West Yorkshire)	Yorkshire & The Humber	ENG	55.9	49.9	52.8	241	286	527	80	95	176	81	126	53
N09000001	Antrim and Newtownabbey		Northern Ireland	NI	51.1	51.1	51.7	84	118	202	28	39	67	6	138	10
N09000011	Ards and North Down		Northern Ireland	NI	53.9	44.3	47.9	119	142	261	40	47	87	8	208	9
N09000002	Armagh City, Banbridge and Craigavon		Northern Ireland	NI	47.3	42.4	44.6	109	134	243	36	45	81	11	263	7
N09000003	Belfast		Northern Ireland	NI	58.0	47.8	51.9	191	239	430	64	80	143	5	134	4
N09000004	Causeway Coast and Glens		Northern Ireland	NI	59.4	53.4	55.3	99	129	228	33	43	76	2	85	5
N09000005	Derry City and Strabane		Northern Ireland	NI	72.3	39.8	53.2	105	76	181	35	25	60	4	118	1
N09000006	Fermanagh and Omagh		Northern Ireland	NI	52.4	50.3	51.4	68	93	161	23	31	54	7	148	2
N09000007	Lisburn and Castlereagh		Northern Ireland	NI	39.8	47.8	45.0	70	119	189	23	40	63	10	256	11
N09000008	Mid and East Antrim		Northern Ireland	NI	64.6	53.5	58.3	114	132	246	38	44	82	1	58	8
N09000009	Mid Ulster		Northern Ireland	NI	62.1	48.7	54.7	88	96	184	29	32	61	3	93	6
N09000010	Newry, Mourne and Down		Northern Ireland	NI	56.4	40.7	46.4	100	109	209	33	36	70	9	231	3
S12000033	Aberdeen City		Scotland	SCO	65.2	69.6	68.8	159	242	401	53	81	134	20	20	26
S12000034	Aberdeenshire		Scotland	SCO	67.2	65.1	65.8	226	295	521	75	98	174	22	25	30
S12000041	Angus		Scotland	SCO	76.6	64.9	69.4	137	163	300	46	54	100	19	19	20
S12000035	Argyll and Bute		Scotland	SCO	58.3	68.1	64.1	84	133	217	28	44	72	24	30	19
S12000036	City of Edinburgh		Scotland	SCO	75.3	64.9	70.2	404	521	925	135	174	308	17	17	29
S12000005	Clackmannanshire		Scotland	SCO	75.7	85.6	82.4	48	69	117	16	23	39	5	5	8
S12000006	Dumfries and Galloway		Scotland	SCO	58.8	58.4	59.2	147	195	342	49	65	114	27	47	12
S12000042	Dundee City		Scotland	SCO	93.1	70.8	81.0	161	180	341	54	60	114	7	7	6
S12000008	East Ayrshire		Scotland	SCO	100.9	73.6	85.2	155	153	308	52	51	103	1	1	7
S12000045	East Dunbartonshire		Scotland	SCO	47.9	61.5	56.1	81	153	234	27	51	78	30	77	31
S12000010	East Lothian		Scotland	SCO	52.4	57.7	55.4	78	120	198	26	40	66	31	82	22
S12000011	East Renfrewshire		Scotland	SCO	59.2	56.0	57.3	78	117	195	26	39	65	29	63	32
S12000014	Falkirk		Scotland	SCO	69.5	69.4	70.0	131	179	310	44	60	103	18	18	16
S12000047	Fife		Scotland	SCO	76.6	71.3	74.2	382	489	871	127	163	290	13	13	17
S12000049	Glasgow City		Scotland	SCO	85.8	73.5	79.5	464	575	1,039	155	192	346	10	10	2
S12000017	Highland		Scotland	SCO	68.9	69.3	70.5	242	325	567	81	108	189	16	16	18
S12000018	Inverclyde		Scotland	SCO	95.1	77.2	82.9	93	123	216	31	41	72	4	4	4
S12000019	Midlothian		Scotland	SCO	65.3	63.9	65.7	75	94	169	25	31	56	23	26	14
S12000020	Moray		Scotland	SCO	89.4	79.9	84.0	119	147	266	40	49	89	2	2	23
S12000013	Na h-Eileanan Siar		Scotland	SCO	92.3	72.1	82.0	39	45	84	13	15	28	6	6	10
S12000021	North Ayrshire		Scotland	SCO	82.7	78.1	80.0	150	201	351	50	67	117	9	9	3
S12000050	North Lanarkshire		Scotland	SCO	85.4	72.9	78.5	305	360	665	102	120	222	11	11	5
S12000023	Orkney Islands		Scotland	SCO	83.5	63.7	72.9	30	31	61	10	10	20	14	14	24
S12000048	Perth and Kinross		Scotland	SCO	65.3	67.8	66.7	159	224	383	53	75	128	21	22	28
S12000038	Renfrewshire		Scotland	SCO	86.6	79.6	83.2	194	251	445	65	84	148	3	3	9
S12000026	Scottish Borders		Scotland	SCO	60.0	56.9	58.7	119	148	267	40	49	89	28	52	21
S12000027	Shetland Islands		Scotland	SCO	54.3	41.5	46.4	17	17	34	6	6	11	32	233	25
S12000028	South Ayrshire		Scotland	SCO	76.5	82.3	80.9	142	217	359	47	72	120	8	8	13
S12000029	South Lanarkshire		Scotland	SCO	69.2	69.7	70.7	284	391	675	95	130	225	15	15	11

Table 1.25 Age-standardised death rates per 100,000 and number of deaths for stroke (CBVD), all ages, by local authority, United Kingdom 2021/23

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					ALL AGES											
					Age-standardised stroke (CBVD) death rates per 100,000 - Annual Average (3-Year)			Total number of stroke (CBVD) deaths 2021/23			Average number of annual stroke (CBVD) deaths for 2021/23			ASDR Rank (1 = highest death rate)		IMD - Rank of average rank (1= most deprived)
LA Code	LA/DC/UA	Ceremonial County (Eng/Wal)	Region/Nation	4N	Men	Women	Total	Men	Women	Total	Men	Women	Total	4N	UK-wide	4N
S12000030	Stirling		Scotland	SCO	55.9	63.0	60.2	67	106	173	22	35	58	26	42	27
S12000039	West Dunbartonshire		Scotland	SCO	72.4	78.8	77.1	74	116	190	25	39	63	12	12	1
S12000040	West Lothian		Scotland	SCO	65.3	59.2	62.4	122	146	268	41	49	89	25	33	15
W06000003	Conwy	Clwyd	Wales / Cymru	WAL	56.7	45.6	50.0	120	139	253	40	46	84	12	168	17
W06000004	Denbighshire / Sir Ddinbych	Clwyd	Wales / Cymru	WAL	65.6	58.2	60.7	102	125	223	34	42	74	2	39	9
W06000005	Flintshire / Sir y Fflint	Clwyd	Wales / Cymru	WAL	49.8	53.4	49.7	108	150	248	36	50	83	14	175	20
W06000006	Wrexham / Wrecsam	Clwyd	Wales / Cymru	WAL	58.3	45.1	55.1	102	110	231	34	37	77	4	89	14
W06000010	Carmarthenshire / Sir Gaerfyrddin	Dyfed	Wales / Cymru	WAL	55.4	52.8	53.3	164	213	373	55	71	124	8	115	8
W06000008	Ceredigion	Dyfed	Wales / Cymru	WAL	48.0	43.8	48.0	56	72	136	19	24	45	18	202	16
W06000009	Pembrokeshire / Sir Benfro	Dyfed	Wales / Cymru	WAL	49.2	43.7	48.0	101	129	239	34	43	80	17	201	12
W06000019	Blaenau Gwent	Gwent	Wales / Cymru	WAL	62.0	42.7	53.0	45	48	104	15	16	35	10	121	1
W06000018	Caerphilly / Caerffili	Gwent	Wales / Cymru	WAL	59.4	46.8	54.6	134	139	285	45	46	95	5	94	6
W06000021	Monmouthshire / Sir Fynwy	Gwent	Wales / Cymru	WAL	43.8	43.7	44.6	71	100	173	24	33	58	20	262	22
W06000022	Newport / Casnewydd	Gwent	Wales / Cymru	WAL	43.2	45.3	47.9	77	112	207	26	37	69	19	205	5
W06000020	Torfaen / Tor-faen	Gwent	Wales / Cymru	WAL	31.0	25.3	36.3	40	43	107	13	14	36	22	351	7
W06000002	Gwynedd	Gwynedd	Wales / Cymru	WAL	51.6	47.4	49.2	93	128	219	31	43	73	15	184	18
W06000001	Isle of Anglesey / Ynys Môn	Gwynedd	Wales / Cymru	WAL	64.9	57.5	58.4	74	96	162	25	32	54	3	56	15
W06000013	Bridgend / Pen-y-bont ar Ogwr	Mid Glamorgan / Morgannwg Ganol	Wales / Cymru	WAL	54.5	46.9	48.7	114	122	224	38	41	75	16	188	10
W06000024	Merthyr Tydfil / Merthyr Tudful	Mid Glamorgan / Morgannwg Ganol	Wales / Cymru	WAL	65.9	37.7	53.5	46	35	89	15	12	30	7	112	2
W06000016	Rhondda Cynon Taf / Rhondda Cynon Taf	Mid Glamorgan / Morgannwg Ganol	Wales / Cymru	WAL	65.0	58.3	61.5	193	233	425	64	78	142	1	37	4
W06000023	Powys	Powys	Wales / Cymru	WAL	53.4	46.2	53.1	133	158	307	44	53	102	9	120	19
W06000015	Cardiff / Caerdydd	South Glamorgan / De Morgannwg	Wales / Cymru	WAL	55.3	48.3	51.1	195	242	431	65	81	144	11	154	11
W06000014	Vale of Glamorgan / Bro Morgannwg	South Glamorgan / De Morgannwg	Wales / Cymru	WAL	50.2	39.3	42.7	95	106	194	32	35	65	21	297	21
W06000012	Neath Port Talbot / Castell-nedd Port Talbot	West Glamorgan / Gorllewin Morgannwg	Wales / Cymru	WAL	62.4	45.8	53.7	118	122	245	39	41	82	6	109	3
W06000011	Swansea / Abertawe	West Glamorgan / Gorllewin Morgannwg	Wales / Cymru	WAL	52.8	42.2	49.8	173	198	389	58	66	130	13	173	13

Notes: ICD-10 codes I60-I69. Directly standardised using the 2013 European Standard Population.
UK local authorities correct May 2025
* indicates number of deaths considered too small to calculate rate. City of London and Isles of Scilly excluded from ASDR analysis - sui generis status (small population)
**Average IMD ranks calculated with different methodology, depending on nation. For England, we have used the rank of average lower super output area (LSOA) score, to align with the Office for Health Improvement and Disparities (OHID) Fingertips rankings
For Scotland, Wales, and Northern Ireland, we have used population-weighted average rank of all the small census areas in each local authority area, in line with previous editions of the Compendium.
Totals for male & female deaths may not equal total due to suppression of age-band cohorts in Nomis data - England & Wales only
Northern Ireland death rates (columns F, G & H) are provisional as local population estimates for 2023 were not available when this analysis was finalised - updates to follow at a later date.
Average ASDRs for persons may be larger than those of men and women due to small values and suppressed data.

Citation: BHF (2025) Analysis of official UK mortality data

Source: England: Number of deaths and mortality rates are taken from OHID's Mortality Profile <https://fingertips.phe.org.uk/profile/mortality-profile/>
Wales: Number of deaths are taken from Nomis Mortality Statistics, mortality rates calculated by the BHF <https://www.nomisweb.co.uk/datasets/mortsa>
Scotland: Mortality rates calculated in partnership with NRS (National Records of Scotland)
Northern Ireland: Mortality rates calculated in partnership with Northern Ireland Statistics and Research Agency
England: Rankings from OHID Fingertips; original source data - English Indices of Deprivation <https://www.gov.uk/government/statistics/english-indices-of-deprivation-2019>
Wales: Average IMD ranks calculated from Welsh Index of Multiple Deprivation <https://statswales.gov.wales/Catalogue/Community-Safety-and-Social-Inclusion/Welsh-Index-of-Multiple-Deprivation>
Scotland: Average IMD ranks calculated from Scottish Index of Multiple Deprivation <https://www.gov.scot/collections/scottish-index-of-multiple-deprivation-2020/>
Northern Ireland: Average IMD ranks calculated from Northern Ireland Multiple Deprivation Measures <https://www.nisra.gov.uk/statistics/deprivation>

Table 1.26 Mortality rates from all circulatory diseases (CVD) by sex and deprivation decile, all ages and under 75, England 2021/23

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Deprivation Decile (IMD2019)	All Ages						Under 75s					
	Men		Women		All		Men		Women		All	
	ASDR	Number of deaths	ASDR	Number of deaths	ASDR	Number of deaths	ASDR	Number of deaths	ASDR	Number of deaths	ASDR	Number of deaths
Most deprived	359.8	29,238	219.5	23,234	283.6	52,472	150.7	13,263	66.7	6,088	107.8	19,351
Second most deprived	321.9	28,436	198.2	23,188	254.4	51,624	128.0	11,831	56.4	5,461	91.3	17,292
Third most deprived	317.0	24,780	197.3	20,317	251.8	45,097	124.4	10,458	54.1	4,771	88.3	15,229
Fourth most deprived	306.2	21,803	187.6	17,968	241.1	39,771	110.8	7,948	47.7	3,668	78.2	11,616
Fifth most deprived	288.7	18,313	185.0	15,925	232.3	34,238	103.3	6,453	46.8	3,098	74.3	9,551
Fifth least deprived	275.8	22,381	170.7	19,091	218.3	41,472	98.5	7,828	40.6	3,453	68.6	11,281
Fourth least deprived	272.9	21,481	172.6	18,796	218.1	40,277	93.3	7,011	39.9	3,216	65.8	10,227
Third least deprived	262.9	16,608	162.7	14,317	207.7	30,925	86.1	5,074	36.0	2,278	60.2	7,352
Second least deprived	253.9	14,147	161.9	12,538	203.3	26,685	84.4	4,440	35.5	2,002	59.1	6,442
Least deprived	236.5	13,458	145.4	11,769	186.3	25,227	75.0	4,010	29.6	1,695	51.5	5,705

Notes:

England: Number of deaths and mortality rates are taken from OHID's Mortality Profile - All Circulatory Diseases, district & UA deprivation deciles in England by 3 year range.

Citation:

OHID Public health profiles 2025

Sources:

Office for Health Improvement and Disparities (OHID; 2025). Mortality Profile | Circulatory Disease, England 2021-2023.

<https://fingertips.phe.org.uk/profile/mortality-profile/>

Table 1.27 Mortality rates denoting chronic heart disease as contributing factor by age, sex, ethnicity, socioeconomic classification and deprivation decile, England 2021-23

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a Deaths involving chronic ischaemic heart disease by sex and index of multiple deprivation quantile, England 2021/23

	Index of Multiple Deprivation Decile					
	Men		Women		All	
	ASDR	Number of deaths	ASDR	Number of deaths	ASDR	Number of deaths
Most deprived 1	368.3	9,675	160.9	5,470	249.9	15,145
2	318.6	9,025	136.9	5,200	214.0	14,225
3	291.4	9,075	120.2	5,050	193.1	14,125
4	254.4	9,135	105.6	5,090	169.6	14,225
5	234.2	9,285	94.7	5,040	154.8	14,320
6	217.6	9,255	88.7	5,075	144.4	14,330
7	205.5	9,090	81.6	4,835	135.1	13,925
8	195.0	8,875	75.8	4,650	127.3	13,525
9	186.2	8,635	70.3	4,430	120.3	13,065
Least deprived 10	166.6	7,990	63.8	4,105	108.3	12,095

b Deaths involving chronic ischaemic heart disease by ethnicity and index of multiple deprivation quantile, England 2021/23

	Index of Multiple Deprivation Quintile									
	Most deprived: 1		2		3		4		Least deprived: 5	
	ASDR	Number of deaths	ASDR	Number of deaths	ASDR	Number of deaths	ASDR	Number of deaths	ASDR	Number of deaths
Bangladeshi	234.4	220	195.5	145	237.3	75	210.1	35	268.6	30
Black African	72.5	140	68	125	75.9	55	90.5	25	102	15
Black Caribbean	130.6	395	117	350	103.4	185	85.1	80	115.9	60
Chinese	96.9	45	84	45	97.4	50	81.6	40	69.9	35
Indian	247.3	610	220.7	855	207.3	750	178.3	500	157.5	400
Mixed	168.7	150	163.2	155	122.5	105	145	100	127.2	85
Other	156.7	440	154	515	145.6	385	134.8	280	115.4	200
Pakistani	241.7	790	237.6	420	237.8	245	196.5	140	244.3	105
White British	241.5	25,505	184.1	24,620	149.3	25,780	131	25,355	113.8	23,450
White other	211.6	1,080	165.6	1,120	144.1	1,015	127.6	900	109.1	780

c Deaths involving chronic ischaemic heart disease by sex and socioeconomic classification, England 2021-23

	National Statistics Socioeconomic Classification					
	Men		Women		All	
	ASDR	Number of deaths	ASDR	Number of deaths	ASDR	Number of deaths
1 Higher Managerial, Administrative and Professional Occupations	213.7	10,705	81.2	1,230	181	11,935
2 Lower Managerial, Administrative and Professional Occupations	248.3	12,985	94	6,735	158.1	19,715
3 Intermediate Occupations	304.9	4,975	96	7,220	134.4	12,195
4 Small Employers and Own Account Workers	290	13,750	100	2,385	223.8	16,135
5 Lower Supervisory and Technical Occupations	344.8	9,785	138.2	1,605	285.2	11,390
6 Semi-Routine Occupations	360.7	8,010	131.5	9,085	188.6	17,095
7 Routine Occupations	374.8	15,890	167.6	9,265	259.9	25,155
8 Never Worked and Long-Term Unemployed	454.4	13,830	189.8	11,330	286.5	25,160

d Deaths involving chronic ischaemic heart disease by age, sex, and index of multiple deprivation decile, England 2021/23

		Age-standardised deaths per 100,000 person years 2021/2023						Total number of deaths 2021/2023						% of deaths by deprivation out of total deaths for condition					
		<40	40-49	50-59	60-69	70-79	80+	<40	40-49	50-59	60-69	70-79	80+	<40	40-49	50-59	60-69	70-79	80+
Most deprived: 1	TOTAL	1.7	35.5	119.9	347.4	883.3	2140.5	85	400	1370	2890	4665	5735	18%	19%	18%	16%	12%	8%
	FEMALE	1	16.9	65.5	198.3	547.5	1518.9	25	100	385	840	1545	2575	24%	22%	21%	18%	13%	9%
	MALE	2.5	55.7	176.8	501.4	1270.8	3222.4	55	300	990	2055	3115	3160	15%	19%	17%	15%	12%	8%
2	TOTAL	1.6	24.3	88.5	285.1	729	1961.1	80	290	1075	2490	4275	6015	17%	14%	14%	14%	11%	8%
	FEMALE	0.7	9.1	46.6	154.3	441.5	1404.7	20	55	290	695	1395	2745	19%	12%	16%	15%	12%	9%
	MALE	2.6	41	132.9	423.6	1064.9	2939.7	60	230	785	1795	2880	3270	16%	14%	13%	13%	11%	8%
3	TOTAL	1.4	22.6	73.8	242.6	617.2	1886.8	70	275	930	2260	4070	6520	15%	13%	12%	12%	11%	9%
	FEMALE	0.5	10.4	32.8	129.2	359.4	1314.7	15	65	210	620	1280	2860	14%	14%	12%	13%	11%	9%
	MALE	2.4	35.7	117.2	363.3	918.6	2854.4	60	210	720	1640	2795	3660	16%	13%	12%	12%	10%	9%
4	TOTAL	1.1	20	65.5	190.2	524.3	1738.7	55	245	860	1950	4090	7025	11%	12%	11%	11%	11%	10%
	FEMALE	-	8.9	29.5	95.8	303.7	1215.2	-	55	200	505	1265	3055	-	12%	11%	11%	11%	10%
	MALE	2	31.8	103.4	290.6	777.5	2589.3	45	185	660	1445	2825	3970	12%	12%	11%	11%	10%	10%
5	TOTAL	1	16.6	55	165.9	464.7	1644.4	50	205	750	1820	4045	7455	10%	10%	10%	10%	10%	10%
	FEMALE	0.4	7.6	26.5	83.6	248.4	1135.8	10	50	185	475	1150	3170	10%	11%	10%	10%	10%	10%
	MALE	1.7	26.3	85.1	253.8	709.5	2460.6	40	155	565	1345	2895	4285	11%	10%	9%	10%	11%	10%
6	TOTAL	0.9	12.9	49	145.5	416.5	1596.4	45	160	690	1680	3935	7820	9%	8%	9%	9%	10%	11%
	FEMALE	-	5.9	20.7	69.1	230.2	1103.4	-	40	150	415	1155	3315	-	9%	8%	9%	10%	11%
	MALE	1.7	20.5	78.9	227	627.2	2371.9	35	125	540	1270	2780	4505	9%	8%	9%	9%	10%	11%
7	TOTAL	0.8	11.5	43	129.2	367	1558.2	35	140	610	1525	3645	7960	7%	7%	8%	8%	9%	11%
	FEMALE	-	4.5	17.1	60.6	196.5	1053.9	-	30	125	370	1035	3265	-	6%	7%	8%	9%	11%
	MALE	1.4	19.1	70.2	202.5	559.2	2337.1	30	115	485	1155	2610	4695	8%	7%	8%	9%	10%	11%
8	TOTAL	0.6	11.6	37.3	111.9	348	1495.7	25	145	540	1340	3570	7910	5%	7%	7%	7%	9%	11%
	FEMALE	-	5.2	14.3	50.3	188.1	986.9	-	35	105	310	1025	3170	-	8%	6%	7%	9%	10%
	MALE	1	18.5	61.6	177.9	529.4	2267.1	20	110	435	1025	2545	4740	5%	7%	7%	8%	9%	11%
9	TOTAL	0.7	8.2	34.3	97.6	324.6	1446.7	30	105	495	1160	3395	7885	6%	5%	6%	6%	9%	11%
	FEMALE	-	2.7	10.1	45.7	163.7	950.1	-	20	75	280	915	3140	-	4%	4%	6%	8%	10%
	MALE	1.2	14.2	59.7	153.2	508.1	2200.4	25	85	420	880	2480	4745	7%	5%	7%	7%	9%	11%
Least deprived: 10	TOTAL	-	7.3	31.3	84.3	273.9	1344.4	-	95	455	1005	2910	7615	-	5%	6%	6%	8%	11%
	FEMALE	-	2.6	9.6	37.7	148.4	868.9	-	20	70	230	840	2940	-	4%	4%	5%	7%	10%
	MALE	-	12.5	54.1	133.9	416.9	2047.2	-	80	385	775	2070	4675	-	5%	6%	6%	8%	11%
All persons		1	16.8	57.7	169.8	454.5	1627.8	480	2,060	7,780	18,120	38,595	71,945						
All females		0.4	7.2	26	86.1	256.2	1114.7	105	465	1,800	4,740	11,600	30,235						
All males		1.7	27	91.2	258.8	680.8	2438.6	375	1,595	5,980	13,380	26,995	41,710						

Notes: Values have been rounded so individual figures may not add up to the total for a given category.
Dashes have been included to indicate where data have been suppressed.
The ICD-10 codes were used to categorise inequalities in mortality involving ischaemic heart disease. Rates for 2021-2023 are based on deaths involving a given heart condition as mentioned anywhere in death certificate (may be underlying cause or contributing factor).
Number of deaths involving stroke are based on figures recorded between 21st March 2021 and 31 January 2023. These have been taken from usual residents in England who were registered by 17 April 2023 and completed the 2021 Census. Personal Demographics Service data for 2019 was used for linkage.

Citation: BHF (2024) Analysis of ONS CHD mortality data
Sources: Office for National Statistics (2023). Inequalities in mortality involving common physical health conditions, England: 21 March 2021 to 31 January 2023
<https://www.ons.gov.uk/peoplepopulationandcommunity/healthandsocialcare/healthinequalities/bulletins/inequalitiesinmortalityinvolvingcommonphysicalhealthconditionsengland/21march2021to31january2023>

Table 1.28 Mortality rates denoting stroke as contributing factor by age, sex, ethnicity, socioeconomic classification and deprivation, England 2021-23

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a Deaths involving stroke disease by sex and index of multiple deprivation decile, England 2021-23

	Index of Multiple Deprivation Decile					
	Men		Women		All	
	ASDR	Number of deaths	ASDR	Number of deaths	ASDR	Number of deaths
Most deprived 1	150.5	3,730	113.5	3,850	129.8	7,580
2	135.3	3,675	107.5	4,095	119.9	7,770
3	121.8	3,625	102.3	4,315	111.2	7,940
4	114.5	3,960	94.3	4,570	103.5	8,530
5	110.4	4,235	87.6	4,685	97.7	8,920
6	103.0	4,235	85.1	4,890	93.1	9,125
7	99.3	4,290	82.1	4,880	89.8	9,170
8	94.5	4,195	79.7	4,895	86.4	9,090
9	87.9	3,995	76.5	4,825	81.8	8,820
Least deprived 10	82.7	3,910	70.0	4,510	75.7	8,420

b Deaths involving stroke by ethnicity and index of multiple deprivation quintile, England 2021-23

	Index of Multiple Deprivation Quintile									
	Most deprived: 1		2		3		4		Least deprived: 5	
	ASDR	Number of deaths	ASDR	Number of deaths	ASDR	Number of deaths	ASDR	Number of deaths	ASDR	Number of deaths
Bangladeshi	154.9	145	147.9	110	180.5	55	117.4	15	147.3	15
Black African	96.3	185	98.8	165	90.3	75	166.1	50	94.5	20
Black Caribbean	127.5	400	110.7	335	102.6	180	99.4	90	80.8	40
Chinese	96.8	45	80.6	45	66.7	30	75.0	40	66.1	35
Indian	142.8	340	107.8	415	99.7	355	87.7	230	80.7	190
Mixed	97.5	85	93.9	85	91.7	80	106.3	75	86.2	60
Other	92.2	245	87.4	285	85.4	230	87.4	175	72.4	120
Pakistani	118.6	390	118.5	195	120.6	130	114.0	70	117.4	50
White British	126.6	13,010	107.6	14,200	95.2	16,295	88.0	16,940	78.7	16,165
White other	106.3	520	98.2	630	87.8	615	83.9	585	78.0	545

c Deaths involving stroke by sex and socioeconomic classification, England 2021-23

	National Statistics Socioeconomic Classification					
	Men		Women		All	
	ASDR	Number of deaths	ASDR	Number of deaths	ASDR	Number of deaths
1 Higher Managerial, Administrative and Professional Occupations	110.4	5,345	90.2	1,325	105.2	6,675
2 Lower Managerial, Administrative and Professional Occupations	117.6	5,965	99.1	7,090	107.0	13,055
3 Intermediate Occupations	145.1	2,310	97.7	7,350	106.5	9,660
4 Small Employers and Own Account Workers	133.5	6,050	104.4	2,440	124.1	8,490
5 Lower Supervisory and Technical Occupations	144.0	4,055	122.0	1,430	138.0	5,485
6 Semi-Routine Occupations	159.2	3,380	113.9	7,900	125.3	11,275
7 Routine Occupations	160.2	6,495	131.1	7,440	144.5	13,935
8 Never Worked and Long-Term Unemployed	201.4	6,140	166.2	10,415	180.3	16,555

d Deaths involving stroke by age, sex, and index of multiple deprivation decile, England 2021-23

		Age-standardised deaths per 100,000 person years 2021/2023						Total number of deaths 2021/2023						% of deaths by deprivation out of total deaths for condition					
		<40	40-49	50-59	60-69	70-79	80+	<40	40-49	50-59	60-69	70-79	80+	<40	40-49	50-59	60-69	70-79	80+
Most deprived: 1	TOTAL	1.7	14.5	45.8	128.1	390.5	1,392	85	165	525	1,065	2,055	3,685	15%	16%	16%	14%	10%	7%
	FEMALE	1.4	12.7	38.8	103.0	309.0	1,298	40	75	225	435	870	2,200	16%	15%	16%	14%	9%	7%
	MALE	2.1	16.4	53.2	154.2	484.7	1,546	50	90	295	630	1,180	1,485	15%	16%	16%	15%	11%	7%
2	TOTAL	1.8	10.8	35.4	114.1	346.0	1,345	95	130	430	990	2,020	4,105	16%	12%	13%	13%	10%	8%
	FEMALE	1.3	9.2	30.1	83.7	296.9	1,277	35	60	190	375	940	2,500	14%	12%	14%	12%	10%	8%
	MALE	2.3	12.6	41.0	146.3	403.2	1,450	55	70	240	620	1,085	1,605	16%	12%	13%	14%	10%	7%
3	TOTAL	1.3	10.6	30.0	86.4	304.9	1,327	65	130	380	805	2,005	4,560	11%	12%	12%	11%	10%	9%
	FEMALE	1.1	8.3	27.1	71.9	263.6	1,274	30	55	175	345	935	2,775	12%	11%	13%	11%	10%	9%
	MALE	1.5	13.0	33.2	101.8	353.4	1,399	35	75	205	460	1,070	1,780	10%	13%	11%	11%	10%	8%
4	TOTAL	1.5	10.1	25.9	76.4	273.3	1,264	75	125	340	785	2,130	5,080	13%	12%	11%	11%	10%	10%
	FEMALE	1.3	8.8	22.2	60.9	234.7	1,202	35	55	150	320	980	3,030	14%	11%	11%	10%	11%	10%
	MALE	1.8	11.6	29.7	92.8	317.2	1,349	45	70	190	460	1,150	2,050	13%	12%	10%	11%	10%	9%
5	TOTAL	1.2	9.2	25.3	71.2	240.8	1,227	55	110	345	780	2,095	5,530	9%	10%	11%	10%	10%	11%
	FEMALE	1.1	8.2	21.4	56.8	200.5	1,146	25	50	150	320	925	3,205	10%	10%	11%	10%	10%	10%
	MALE	1.3	10.2	29.5	86.6	286.3	1,346	30	60	195	460	1,165	2,325	9%	11%	11%	11%	10%	11%
6	TOTAL	0.9	8.8	20.6	58.3	224.5	1,209	45	110	290	675	2,120	5,890	8%	10%	9%	9%	10%	11%
	FEMALE	0.6	8.7	16.9	50.9	194.8	1,135	15	55	120	305	975	3,415	6%	11%	9%	10%	10%	11%
	MALE	1.3	9.0	24.5	66.3	257.8	1,314	30	55	170	370	1,140	2,475	9%	10%	9%	9%	10%	11%
7	TOTAL	1.0	6.5	19.2	53.3	212.2	1,187	45	80	275	630	2,110	6,035	8%	8%	9%	8%	10%	11%
	FEMALE	0.8	5.8	16.2	44.6	182.4	1,120	20	35	120	275	960	3,470	8%	7%	9%	9%	10%	11%
	MALE	1.2	7.3	22.4	62.6	245.9	1,280	25	45	155	360	1,145	2,565	7%	8%	8%	8%	10%	12%
8	TOTAL	1.0	5.4	16.9	53.8	205.3	1,141	40	70	245	645	2,105	5,990	7%	7%	8%	9%	10%	11%
	FEMALE	0.9	5.8	13.5	42.9	172.0	1,101	20	40	100	265	940	3,535	8%	8%	7%	9%	10%	11%
	MALE	1.1	5.0	20.5	65.4	243.0	1,197	25	30	145	380	1,165	2,455	7%	5%	8%	9%	10%	11%
9	TOTAL	1.0	5.9	12.9	48.4	190.9	1,098	40	75	185	575	1,995	5,945	7%	7%	6%	8%	10%	11%
	FEMALE	0.8	6.0	9.7	42.9	163.1	1,065	20	40	70	265	910	3,520	8%	8%	5%	9%	10%	11%
	MALE	1.2	5.8	16.3	54.3	222.5	1,137	25	35	115	310	1,085	2,425	7%	6%	6%	7%	10%	11%
Least deprived: 10	TOTAL	0.9	5.2	14.5	40.8	168.5	1,033	35	70	210	490	1,790	5,830	6%	7%	7%	7%	9%	11%
	FEMALE	0.6	3.5	12.4	33.6	151.4	980	10	25	95	205	855	3,320	4%	5%	7%	7%	9%	11%
	MALE	1.4	7.1	16.6	48.5	187.8	1,103	25	45	120	280	935	2,510	7%	8%	7%	6%	8%	12%
All persons		1.3	8.6	23.9	69.7	240.6	1,199	585	1,055	3,225	7,435	20,425	52,645						
All females		1.0	7.6	20.2	56.5	205.2	1,141	245	490	1,395	3,110	9,295	30,975						
All males		1.5	9.6	27.9	83.7	281.1	1,280	340	570	1,830	4,325	11,130	21,670						

Notes: Values have been rounded so individual figures may not add up to the total for a given category.

Dashes have been included to indicate where data have been suppressed.

The ICD-10 codes were used to categorise inequalities in mortality involving stroke. Rates for 2021-23 are based on deaths involving a given heart condition as mentioned anywhere in death certificate (may be underlying cause or contributing factor).

Number of deaths involving stroke are based on figures recorded between 21st March 2021 and 31 January 2023. These have been taken from usual residents in England who were registered by 17 April 2023 and completed the 2021 Census. Personal Demographics Service data for 2019 was used for linkage.

Citation: BHF (2024) Analysis of ONS stroke mortality data

Sources: Office for National Statistics (2023). Inequalities in mortality involving common physical health conditions, England: 21 March 2021 to 31 January 2023

<https://www.ons.gov.uk/peoplepopulationandcommunity/healthandsocialcare/healthinequalities/bulletins/inequalitiesinmortalityinvolvingcommonphysicalhealthconditionsengland/21march2021to31january2023>

Table 1.29 Mortality rates for coronary heart disease and stroke as contributing factor by sex and ethnicity, England and Wales 2017/19

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a Deaths from coronary (ischaemic) heart disease by ethnicity, England and Wales 2017/19

		Number of deaths			Age-standardised mortality rates		
		Men	Women	All	Men	Women	All
Persons aged 10+	Asian Other	547	269	816	138.6	65.6	98.3
	Bangladeshi	326	172	497	219	114.8	165.1
	Black African	267	114	383	103	34.5	65.5
	Black Caribbean	736	510	1,246	116	63.6	86.4
	Black Other	123	44	164	138.9	38.8	79.0
	Indian	2,051	1,052	3,104	190.9	99.3	143.5
	Mixed/Multiple	589	251	838	188.4	68.6	122.1
	Other	508	272	780	103.4	61.9	82.6
	Pakistani	1,106	513	1,620	206.7	109.6	159.3
	White	95,542	57,817	153,356	157.9	70.5	109.5
Persons aged 65+	Asian Other	378	226	603	546.2	280.2	398.7
	Bangladeshi	227	133	361	867	463.3	653.1
	Black African	178	75	253	429	141.3	269.3
	Black Caribbean	553	439	991	432	262.6	335.2
	Black Other	70	29	97	540.7	155.6	306.4
	Indian	1,554	938	2,492	746.4	426.1	579.3
	Mixed/Multiple	401	189	587	739.8	280.8	483.4
	Other	384	251	635	421.6	273.6	347.2
	Pakistani	723	402	1,127	770.3	447	613.4
	White	79,325	53,074	132,397	607.7	290.7	428.4

b Deaths from stroke (CBVD) by ethnicity, England and Wales 2017/19

		Number of deaths			Age-standardised mortality rates		
		Men	Women	All	Men	Women	All
Persons aged 10+	Asian Other	196	203	399	57.4	48.7	52.5
	Bangladeshi	163	126	289	113	80.4	94.4
	Black African	188	128	317	59	34.4	46.1
	Black Caribbean	419	461	883	67	58.2	62.2
	Black Other	49	55	104	54.2	43.6	48.5
	Indian	660	550	1,212	69.7	53.4	60.9
	Mixed/Multiple	200	200	400	71.8	58.8	65.1
	Other	258	218	477	57.5	49.3	53.9
	Pakistani	352	260	612	70.4	57.1	63.9
	White	36,453	48,961	85,413	62.3	58.2	60.3
Persons aged 65+	Asian Other	149	158	308	238.6	204.1	219.2
	Bangladeshi	126	86	211	467	314.5	381.6
	Black African	99	74	175	231	137.4	182.5
	Black Caribbean	366	408	775	278	243.4	258.6
	Black Other	30	33	63	207.7	170.8	187.3
	Indian	558	500	1,058	294.2	232.2	260.2
	Mixed/Multiple	169	166	334	309.7	251.4	279.4
	Other	216	197	415	246.5	216.5	233.8
	Pakistani	269	204	472	284.6	235.5	260.5
	White	32,998	46,130	79,128	260.8	247.2	254.4

Notes:

The number of deaths for 2017-19 figures include data from the 2011 Census, Patient Register, and death records.
Over 96% of death records were linked to Census data from 2011. Unlinked data may result in small discrepancies in the characteristics
Figures for 2017-19 show mortality rates denoting ischaemic heart diseases as the underlying cause.
Age standardised mortality rates for 2017-19 were calculated with a weighted average of 100,000 people and the 2013 European Standard Population estimates.
Ethnicity categories for 2017-19 data represent the self-reported ethnic backgrounds data from the 2011 Census.
Figures include data from usual residents in England and Wales.

Citation:

BHF (2024) Analysis of ONS CHD & stroke mortality data

Sources:

Office for National Statistics (2021). Mortality from leading causes of death by ethnic group, England and Wales: 2012 to 2019
<https://www.ons.gov.uk/peoplepopulationandcommunity/birthsdeathsandmarriages/deaths/articles/mortalityfromleadingcausesofdeathbyethnicgroupenglandandwales/2012to2019>

Table 1.30 Deaths and mortality rates for cardiovascular disease (CVD), coronary heart disease (CHD), and stroke (CBVD), by country and continent 2021

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Region	Country	CVD Deaths 2021 estimate	CVD Death Rate (ASDR) 2021	CVD % All Deaths 2021	CHD Deaths 2021 estimate	CHD Death Rate (ASDR) 2021	CHD % All Deaths 2021	Stroke Deaths 2021 estimate	Stroke Death Rate (ASDR) 2021	Stroke % All Deaths 2021
GLOBAL		19,414,853	235.2	29%	8,991,637	108.7	13%	7,252,676	87.5	11%
EUROPE		3,692,021	208.0	35%	1,920,715	108.3	18%	1,041,515	57.8	10%
	Albania	14,053	345.2	47%	6,440	158.3	21%	6,157	150.7	21%
	Andorra	156	88.3	25%	72	41.0	11%	37	20.7	6%
	Austria	29,290	128.6	33%	15,283	68.1	17%	4,861	21.4	5%
	Belarus	76,018	466.9	47%	55,916	341.5	35%	15,977	97.8	10%
	Belgium	26,402	90.0	24%	10,793	38.0	10%	7,669	25.9	7%
	Bosnia and Herzegovina	18,769	294.6	40%	8,774	138.3	19%	7,098	110.1	15%
	Bulgaria	75617	530.3	45%	28,584	204.4	17%	28,017	192.1	17%
	Croatia	23,393	236.7	37%	12,816	130.5	21%	6,675	66.0	11%
	Cyprus	3,038	184.9	33%	1,480	87.0	16%	770	47.8	8%
	Czechia	46,794	200.8	34%	29,572	126.7	21%	9,549	40.6	7%
	Denmark	12,978	95.2	23%	5,359	39.9	9%	4,224	30.6	7%
	Estonia	7,252	223.7	39%	3,005	92.1	16%	1,149	35.8	6%
	Finland	22,551	143.3	39%	12,173	77.4	21%	4,757	30.0	8%
	France	152,728	78.7	24%	56,002	29.9	9%	43,128	22.0	7%
	Germany	319,026	132.8	32%	150,617	63.7	15%	62,834	26.2	6%
	Greece	48,088	154.0	33%	21,284	72.9	15%	17,207	51.5	12%
	Hungary	57,964	272.7	38%	33,246	155.4	22%	11,846	55.3	8%
	Iceland	701	101.4	31%	395	58.0	17%	149	21.2	7%
	Ireland	8,293	97.6	26%	4,458	52.8	14%	1,907	22.2	6%
	Italy	216,272	109.1	31%	85,031	44.3	12%	61,859	30.7	9%
	Latvia	14,911	330.5	44%	7,353	160.3	21%	5,052	106.1	15%
	Lithuania	20,227	302.7	43%	13,394	197.1	28%	4,628	68.2	10%
	Luxembourg	1,275	103.9	28%	551	45.7	12%	323	26.1	7%
	Malta	1,307	117.5	32%	784	71.2	19%	267	23.6	7%
	Montenegro	4,327	512.8	44%	1,800	212.8	18%	1,908	225.8	19%
	Netherlands	40,439	100.9	24%	14,789	37.4	9%	12,361	30.5	7%
	North Macedonia	13,288	560.2	41%	4,658	195.9	14%	6,606	277.5	20%
	Norway	10,906	90.0	26%	4,859	40.9	12%	2,849	23.2	7%
	Poland	168,854	217.8	33%	88,242	113.3	17%	45,065	58.0	9%
	Portugal	32,680	106.4	27%	10,702	36.8	9%	14,030	44.3	11%
	Republic of Moldova	21,918	363.5	44%	13,930	230.5	28%	5,144	85.2	10%
	Romania	146,016	359.5	44%	62,394	154.2	19%	53,000	128.3	16%
	Russian Federation	939,256	394.8	39%	512,524	212.9	21%	311,447	129.8	13%
	Serbia	68,868	397.9	46%	29,979	174.3	20%	27,995	160.2	19%
	Slovakia	27,057	285.3	37%	17,504	184.8	24%	6,312	66.0	9%
	Slovenia	7,245	131.9	31%	2,449	45.9	11%	1,848	33.4	8%
	Spain	115,285	90.0	26%	43,082	35.4	10%	31,953	24.2	7%
	Sweden	29,625	107.4	32%	14,044	51.8	15%	6,810	24.4	7%
	Switzerland	20,297	84.1	29%	9,513	40.0	14%	4,209	17.4	6%
	Ukraine	411,023	521.5	55%	297,503	373.5	40%	82,352	104.2	11%
	United Kingdom	#	159,730	106.6	76,354	52.1	11%	40,895	26.3	6%
	England **	#	130,029	103.3	61,840	50.2	11%	32,763	25.1	6%
	Scotland **	#	16,877	134.4	8,283	67.5	13%	4,739	36.2	7%
	Wales **	#	8,748	115.6	4,291	57.9	12%	2,211	28.0	6%
	Northern Ireland **	#	4,075	105.7	1,940	51.3	11%	1,182	29.7	7%
NORTH AMERICA		981,484	139.5	26%	534,819	75.8	14%	208,817	29.2	6%
	Canada	75,621	92.8	24%	41,494	51.1	13%	17,000	20.4	5%
	United States	905,653	145.3	26%	493,222	78.9	14%	191,770	30.3	6%
LATIN AMERICA & CARIBBEAN		964,741	160.9	19%	503,765	83.8	10%	279,487	46.7	6%
	Brazil	374,765	153.7	21%	157,550	64.0	9%	125,715	51.8	7%
ASIA		11,897,583	257.4	32%	5,257,939	113.3	14%	5,026,054	108.2	14%
	China	5,085,458	280.1	43%	1,956,859	110.9	17%	2,591,647	138.0	22%
	India	2,873,266	267.6	24%	1,632,882	151.2	14%	772,976	72.0	7%
	Japan	371,917	72.5	26%	123,164	25.4	9%	146,731	28.4	10%
	Türkiye (Turkey)	205,740	247.9	31%	112,055	133.4	17%	59,381	72.1	9%
	United Arab Emirates	5,123	314.1	26%	2,885	167.7	14%	1,244	88.8	6%
AFRICA		1,737,930	334.0	16%	717,486	139.3	6%	654,704	125.8	6%
	South Africa	98,605	256.1	13%	30,301	78.0	4%	39,457	102.8	5%
AUSTRALASIA		58,243	94.2	28%	28,640	46.7	14%	14,633	23.1	7%
	Australia	47,254	89.7	27%	23,032	44.1	13%	11,937	22.1	7%
	New Zealand	10,989	119.1	32%	5,609	61.0	16%	2,696	28.7	8%

Notes: # UK and 4N death totals and rates shown here are modelled estimates which should be used solely for international comparisons.
Actual annual numbers of UK deaths compiled from official statistical agencies for 2021 are shown in tables 1.9, 1.11, and 1.13.
ASDR = Age-standardised death rates per 100,000 inhabitants
ICD-10 codes for cardiovascular disease (CVD) B33.2, G45-G46.8, I01-I01.9, I02.0, I05-I09.9, I11-I11.9, I20-I25.9, I27.0, I27.2, I28-I28.9, I30-I31.1, I31.8-I37.8, I38-I41.9, I42.1-I42.8, I43-I43.9, I47-I48.9, I51.0-I51.4, I60-I63.9, I65-I66.9, I67.0-I67.3, I67.5-I67.6, I68.0-I68.2, I69.0-I69.3, I70.2-I70.8, I71-I73.9, I77-I83.9, I86-I89.0, I89.9, I98, K75.1
ICD-10 codes for coronary heart disease (CHD) I20-I25.9 - ICD-10 codes for stroke (CBVD) G45-G46.8, I60-I63.9, I65-I66.9, I67.0-I67.3, I67.5-I67.6, I68.1-I68.2, I69.0-I69.3
Regions and Countries as defined by the Global Health Data Exchange <http://ghdx.healthdata.org/countries>
Citation: BHF (2024) Analysis of GBD mortality data
Source: Global Burden of Disease Collaborative Network. <http://ghdx.healthdata.org/gbd-results-tool>
Global Burden of Disease Study (2024) Results. [accessed July 2024]
Seattle, United States: Institute for Health Metrics and Evaluation (IHME), 2024.

Table 1.31 Years of life lost (YLLs) and disability-adjusted life years (DALYs) for CVD, CHD, and stroke, by country and continent 2021

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Region	Country	YLLs CVD A/S 2021 estimate	YLLs CHD A/S 2021 estimate	YLLs Stroke A/S 2021 estimate	DALYs CVD A/S 2021	DALYs CHD A/S 2021	DALYs Stroke A/S 2021
GLOBAL		4,671.6	2,164.9	1,707.5	5,055.9	2,212.2	1,886.2
EUROPE		3,862.5	2,006.9	1,017.7	4,241.5	2,060.9	1,166.8
	Albania	5,285.5	2,486.8	2,168.0	5,735.7	2,558.3	2,316.2
	Andorra	1,406.9	683.3	314.1	1,655.2	724.4	404.6
	Austria	1,962.2	1,069.6	323.3	2,364.2	1,121.6	486.5
	Belarus	8,782.3	6,169.1	1,822.0	9,179.5	6,244.3	2,037.4
	Belgium	1,479.9	662.0	410.9	1,773.2	698.8	510.6
	Bosnia and Herzegovina	5,007.2	2,378.0	1,796.1	5,444.2	2,450.2	2,022.8
	Bulgaria	9,374.2	3,787.3	3,205.3	9,804.6	3,852.3	3,430.2
	Croatia	3,708.7	2,025.8	1,013.6	4,021.3	2,099.6	1,174.3
	Cyprus	2,633.8	1,354.2	613.5	2,850.3	1,395.0	684.9
	Czechia	3,262.7	2,021.9	641.0	3,742.0	2,101.4	812.2
	Denmark	1,514.0	672.2	463.0	1,794.0	710.2	568.3
	Estonia	3,722.7	1,486.1	610.2	4,063.0	1,547.9	751.1
	Finland	2,327.1	1,249.7	477.5	2,680.0	1,299.1	633.8
	France	1,255.1	504.3	338.7	1,785.8	556.0	444.1
	Germany	2,129.2	1,054.7	422.6	2,527.6	1,096.6	575.7
	Greece	2,680.7	1,409.1	788.6	2,927.3	1,443.4	909.5
	Hungary	4,909.8	2,715.8	974.2	5,266.5	2,781.0	1,143.4
	Iceland	1,595.1	954.7	308.1	1,846.7	990.5	420.2
	Ireland	1,555.4	880.8	321.2	1,813.1	924.2	403.5
	Italy	1,649.2	707.9	443.4	1,956.2	747.1	524.4
	Latvia	6,205.0	2,847.4	1,714.3	6,589.9	2,916.5	1,912.7
	Lithuania	5,307.0	3,266.0	1,150.5	5,695.8	3,332.3	1,335.3
	Luxembourg	1,600.3	745.0	384.0	1,940.7	789.8	462.8
	Malta	1,962.5	1,223.8	370.3	2,201.1	1,270.5	452.2
	Montenegro	8,072.4	3,452.1	3,357.1	8,440.5	3,538.2	3,517.2
	Netherlands	1,501.9	593.1	432.9	1,817.7	633.6	544.8
	North Macedonia	8,463.2	3,085.1	4,040.4	8,869.1	3,156.9	4,267.2
	Norway	1,369.4	658.5	333.3	1,685.3	698.3	468.1
	Poland	3,729.3	1,904.9	981.2	4,101.1	1,991.5	1,118.6
	Portugal	1,766.3	682.6	683.6	2,014.1	720.7	763.6
	Republic of Moldova	7,029.7	4,317.8	1,717.1	7,365.8	4,379.7	1,888.9
	Romania	6,402.3	2,769.7	2,163.4	6,771.6	2,838.0	2,361.2
	Russian Federation	7,859.6	4,016.8	2,321.1	8,261.8	4,082.2	2,519.6
	Serbia	6,465.5	2,875.4	2,514.1	6,821.9	2,952.0	2,695.7
	Slovakia	4,788.9	3,005.1	1,126.6	5,263.5	3,080.7	1,345.6
	Slovenia	1,995.0	750.0	477.4	2,312.3	822.8	591.3
	Spain	1,493.1	641.5	374.0	1,828.6	678.7	483.6
	Sweden	1,590.2	796.4	347.4	2,056.5	860.8	478.4
	Switzerland	1,233.8	604.5	246.3	1,466.6	639.2	333.3
	Ukraine	9,578.9	6,456.4	1,935.9	9,957.2	6,522.7	2,153.0
	<i>United Kingdom</i>	1,840.0	946.5	405.1	2,138.6	983.9	511.8
	<i>England **</i>	1,772.1	904.7	385.8	2,054.0	940.6	481.1
	<i>Scotland **</i>	2,400.8	1,282.7	564.7	2,836.0	1,329.7	779.5
	<i>Wales **</i>	2,060.2	1,085.1	439.6	2,398.1	1,128.3	550.1
	<i>Northern Ireland **</i>	1,781.6	923.8	440.3	2,084.9	965.5	550.2
NORTH AMERICA		2,635.0	1,423.9	505.7	3,060.7	1,461.8	671.5
	Canada	1,587.1	882.0	322.5	2,035.5	922.5	479.0
	United States	2,761.7	1,489.7	528.0	3,184.6	1,527.3	694.9
LATIN AMERICA & CARIBBEAN		3,284.2	1,691.2	964.6	3,602.4	1,741.8	1,039.8
	Brazil	3,291.8	1,419.6	1,068.5	3,638.8	1,469.7	1,141.7
ASIA		5,105.6	2,295.2	2,077.8	5,476.7	2,340.9	2,280.1
	China	4,709.0	1,810.5	2,395.4	5,120.1	1,856.5	2,648.0
	India	5,871.7	3,351.2	1,521.7	6,151.1	3,400.0	1,625.7
	Japan	1,323.4	480.3	516.2	1,651.0	502.3	710.5
	Türkiye (Turkey)	4,269.9	2,355.9	1,200.4	4,615.0	2,419.3	1,343.0
	United Arab Emirates	5,319.8	2,845.9	1,458.7	5,758.5	2,923.7	1,648.8
AFRICA		6,533.8	2,696.2	2,449.1	6,969.4	2,743.5	2,628.1
	South Africa	4,938.6	1,525.7	1,930.5	5,389.7	1,568.5	2,118.8
AUSTRALASIA		1,524.9	774.0	340.2	1,869.9	812.7	449.3
	Australia	1,446.4	729.4	324.8	1,804.4	768.6	435.0
	New Zealand	1,945.0	1,013.1	424.1	2,222.5	1,048.6	527.3

Notes: YLLs refers to 'Years of Life Lost'. This is the estimated number of years of life that are lost due to premature mortality.
DALYs refers to 'Disability-Adjusted Life Years'. This is the sum of years lost due to premature death (YLLs) and years lived with disability (YLDs).
DALYs are also defined as years of healthy life lost.
A/S = estimated age-standardised rates per 100,000 inhabitants.
ICD-10 codes for cardiovascular disease (CVD) B33.2, G45-G46.8, I01-I01.9, I02.0, I05-I09.9, I11-I11.9, I20-I25.9, I27.0, I27.2, I28-I28.9, I30-I31.1, I31.8-I37.8, I38-I41.9, I42.1-I42.8, I43-I43.9, I47-I48.9, I51.0-I51.4, I60-I63.9, I65-I66.9, I67.0-I67.3, I67.5-I67.6, I68.0-I68.2, I69.0-I69.3, I70.2-I70.8, I71-I73.9, I77-I83.9, I86-I89.0, I89.9, I98, K75.1
ICD-10 codes for coronary heart disease (CHD) I20-I25.9 - ICD-10 codes for stroke (CBVD) G45-G46.8, I60-I63.9, I65-I66.9, I67.0-I67.3, I67.5-I67.6, I68.1-I68.2, I69.0-I69.3
Regions and countries as defined by the Global Health Data Exchange <http://ghdx.healthdata.org/countries>
Citation: BHF (2024) Analysis of GBD data
Source: Global Burden of Disease Collaborative Network. <http://ghdx.healthdata.org/gbd-results-tool>
Global Burden of Disease Study (2024) Results. [accessed July 2024]
Seattle, United States: Institute for Health Metrics and Evaluation (IHME), 2024.



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Table 2.1 Inpatient admissions by main diagnosis in National Health Service hospitals by sex, England, Scotland, Wales, Northern Ireland and United Kingdom 2023/24

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	England		Scotland		Wales		Northern Ireland		United Kingdom		
	Male	Female	Male	Female	Male	Female	Male	Female	Male	Female	All
All diagnoses	7,870,000	9,570,000	549,369	604,263	348,546	428,652	247,000	238,000	9,014,915	10,840,915	19,976,006
All heart and circulatory diseases (C38.0, F01, G45, I00-I99, P29, Q20-Q28)	587,000	441,000	48,791	36,282	25,757	18,842	17,300	11,500	678,848	507,624	1,195,901
Diseases of the circulatory system (I00-I99)	565,000	420,000	46,797	34,416	25,011	18,096	16,900	11,100	653,708	483,612	1,145,772
Coronary heart disease (I20-I25)	151,000	72,000	14,397	7,301	6,823	3,206	6,750	2,850	178,970	85,357	266,603
Angina pectoris (I20)	25,500	15,700	2,536	1,606	978	557	780	380	29,794	18,243	48,218
Myocardial infarction (I21-I22)	54,500	27,000	6,648	3,494	2,680	1,323	2,500	1,100	66,328	32,917	99,977
Atrial fibrillation (I48)	65,300	52,800	5,324	4,298	2,723	2,032	1,700	1,250	75,047	60,380	136,809
Heart failure (I50)	55,700	48,100	4,251	3,743	2,560	2,059	1,500	1,300	64,011	55,202	119,764
Stroke (I60-I69)	63,500	57,500	6,771	6,040	3,638	3,233	780	700	74,689	67,473	142,641
Other cardiovascular disease (I00-99 only; not listed above)	229,500	189,600	16,054	13,034	12,905	10,799	6,170	5,000	260,991	215,200	479,955
Malignant neoplasm: Heart (C38.0)	130	24	0	*	2	1	*	*	132	25	157
Vascular dementia (F01)	1,040	1,090	122	129	138	144	9	12	1,309	1,375	2,702
Transient cerebral ischaemic attacks and related syndromes (G45)	8,390	8,770	1,242	1,136	463	464	60	97	10,155	10,467	20,735
Cardiovascular disorders originating in the perinatal period (P29)	1,950	1,690	*	*	26	18	58	46	2,034	1,754	3,842
Congenital malformations of the circulatory system (Q20-Q28)	10,300	9,300	630	601	117	119	300	230	11,347	10,250	22,693

Notes: Pregnancy cases not included. ICD-10 codes in parentheses. Sex (gender) not recorded for some admissions (England only) (estimated 9.6k for all CVDs).
For England and Northern Ireland, male/female splits are pro rata estimates based on finished consultant episodes volumes in Table 2.3 and then rounded.
Wales data subject to revision - also 2023/24 has been flagged by DHCW as having less coding than normal.
* figures not available, or suppressed (usually fewer than five patients)

Citation: BHF (2025) Analysis of UK hospital data

Source: England - NHS England (2024). Hospital Episode Statistics 2023/24 [accessed Apr 2025]
<https://digital.nhs.uk/data-and-information/publications/statistical/hospital-admitted-patient-care-activity/2023-24>
Public Health Scotland (2025). Personal correspondence
Digital Health and Care Wales (DHCW) (2024). Personal correspondence
NI Department of Health (2024). Hospital Episode Statistics 2023/24 [accessed Apr 2025]
<https://www.health-ni.gov.uk/publications/acute-episode-based-activity-202324>

Table 2.2a All inpatient admissions by main diagnosis in NHS hospitals, England, Scotland, Wales, Northern Ireland and United Kingdom, 2005/06 to 2023/24

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ALL ADMISSIONS		2005/06	2006/07	2007/08	2008/09	2009/10	2010/11	2011/12	2012/13	2013/14	2014/15	2015/16	2016/17	2017/18	2018/19	2019/20	2020/21	2021/22	2022/23	2023/24
England	Heart and circulatory diseases (CVD) (I00-I99)			897,843	917,317	925,007	936,007	941,880	930,641	944,753	962,129	994,450	918,298	925,576	947,200	963,783	807,074	936,556	922,621	993,424
	Coronary heart disease (I20-I25)			305,988	300,164	285,426	279,923	280,794	276,762	273,873	269,116	267,016	266,725	263,656	261,100	255,562	205,389	229,895	218,094	225,279
	Myocardial infarction (I21-I22)			77,055	74,230	69,919	62,268	64,088	76,245	78,174	78,278	79,795	80,621	81,637	81,200	82,827	76,150	84,626	80,047	82,193
	Atrial fibrillation (I48)			85,610	88,469	91,782	94,450	96,065	98,169	100,616	102,202	107,513	109,092	109,564	115,300	117,608	96,009	113,902	109,613	119,483
	Heart Failure (I50)			58,582	57,916	58,513	59,221	60,419	62,378	64,200	70,143	76,994	80,603	84,776	86,500	94,146	81,766	98,884	96,659	104,336
	Stroke (I60-I69)			93,136	95,841	101,319	104,475	106,516	107,412	106,531	107,279	108,940	107,828	109,124	111,100	114,991	108,958	115,741	116,074	121,482
	Other cardiovascular disease (I00-99 only; not listed above)			354,527	374,927	387,967	397,938	398,086	385,920	399,533	413,389	433,987	354,050	358,456	373,200	381,508	314,952	378,134	382,181	422,844
Scotland	Heart and circulatory diseases (CVD) (I00-I99)				94,096	91,714	91,518	91,688	90,765	91,252	89,884	90,805	84,036	83,624	83,759	83,099	70,704	78,092	78,588	81,213
	Coronary heart disease (I20-I25)				28,645	26,689	27,331	27,156	26,129	25,943	24,854	24,100	24,417	24,245	24,667	24,288	20,840	22,208	21,786	21,698
	Myocardial infarction (I21-I22)				9,540	9,927	10,980	11,387	11,224	11,095	10,694	10,437	10,651	10,559	10,583	10,625	10,120	10,465	10,129	10,142
	Atrial fibrillation (I48)				8,821	8,724	9,203	9,304	9,192	9,449	9,450	9,667	9,548	9,666	9,787	9,609	7,582	8,718	8,695	9,622
	Heart Failure (I50)				7,245	6,992	7,058	7,268	7,056	6,965	6,946	7,430	7,627	7,677	7,703	8,138	7,204	7,760	8,016	7,994
	Stroke (I60-I69)				11,536	11,650	11,327	11,357	11,369	11,251	11,607	11,806	11,859	11,845	12,048	12,068	11,535	12,367	12,564	12,811
	Other cardiovascular disease (I00-99 only; not listed above)				37,849	37,659	36,599	36,603	37,019	37,644	37,027	37,802	30,585	30,191	29,554	28,996	23,543	27,039	27,527	29,088
Wales	Heart and circulatory diseases (CVD) (I00-I99)	54,249	54,906	55,272	56,997	56,032	55,059	53,577	52,671	53,665	52,852	53,087	49,424	46,917	49,390	48,579	40,146	46,954	43,269	43,107
	Coronary heart disease (I20-I25)	17,428	17,990	17,945	17,913	16,811	16,325	15,601	14,961	14,646	13,969	14,338	13,873	13,262	13,752	13,727	11,359	12,627	10,893	10,029
	Myocardial infarction (I21-I22)	5,328	5,243	5,088	5,248	4,572	4,256	4,110	4,537	4,745	4,623	5,325	5,230	5,249	4,980	5,055	4,831	5,614	4,711	4,033
	Atrial fibrillation (I48)	4,969	4,880	5,019	4,919	5,097	5,389	5,418	5,505	5,691	5,577	5,642	5,884	5,450	5,820	5,195	4,026	4,839	4,653	4,755
	Heart Failure (I50)	5,022	4,576	4,645	4,711	4,390	4,685	4,447	4,609	4,494	4,564	4,443	4,634	4,387	4,535	4,686	3,922	4,864	4,412	4,619
	Stroke (I60-I69)	7,305	6,912	6,908	7,509	7,089	7,284	7,239	7,182	7,531	7,492	7,548	7,484	7,167	7,404	7,417	7,080	7,497	6,772	6,871
	Other cardiovascular disease (I00-99 only; not listed above)	19,525	20,548	20,755	21,945	22,645	21,376	20,872	20,414	21,303	21,250	21,116	17,549	16,651	17,879	17,554	13,759	17,127	16,539	16,833
Northern Ireland	Heart and circulatory diseases (CVD) (I00-I99)							39,000	35,700	36,800	35,800	34,700	32,800	32,100	33,000	32,505	22,610	26,358	27,213	28,028
	Coronary heart disease (I20-I25)							12,300	12,700	13,700	13,000	12,700	12,100	11,600	12,000	11,232	8,016	9,266	9,317	9,597
	Myocardial infarction (I21-I22)							2,600	3,600	4,100	4,100	4,300	4,500	4,400	4,200	4,330	3,327	3,887	3,828	3,639
	Atrial fibrillation (I48)							4,000	3,900	3,800	3,800	4,300	4,100	3,900	3,800	3,808	2,446	2,802	3,101	2,949
	Heart Failure (I50)							2,400	2,700	2,800	2,800	2,800	2,900	3,000	3,200	3,585	2,738	2,952	2,961	2,815
	Stroke (I60-I69)							2,200	2,000	2,200	1,660	1,450	1,400	1,420	1,310	1,234	1,147	1,261	1,257	1,477
	Other cardiovascular disease (I00-99 only; not listed above)							18,100	14,400	14,300	14,540	13,450	12,300	12,180	12,690	12,646	8,263	10,077	10,577	11,190
United Kingdom	Heart and circulatory diseases (CVD) (I00-I99)							1,126,145	1,109,777	1,126,470	1,140,665	1,173,042	1,084,558	1,088,217	1,113,349	1,127,966	940,534	1,087,960	1,071,691	1,145,772
	Coronary heart disease (I20-I25)							335,851	330,552	328,162	320,939	318,154	317,115	312,763	311,519	304,809	245,604	273,996	260,090	266,603
	Myocardial infarction (I21-I22)							82,185	95,606	98,114	97,695	99,857	101,002	101,845	100,963	102,837	94,428	104,592	98,715	100,007
	Atrial fibrillation (I48)							114,787	116,766	119,556	121,029	127,122	128,624	128,580	134,707	136,220	110,063	130,261	126,062	136,809
	Heart Failure (I50)							74,534	76,743	78,459	84,453	91,667	95,764	99,840	101,938	110,555	95,630	114,460	112,048	119,764
	Stroke (I60-I69)							127,312	127,963	127,513	128,038	129,744	128,571	129,556	131,862	135,710	128,720	136,866	136,667	142,641
	Other cardiovascular disease (I00-99 only; not listed above)							473,661	457,753	472,780	486,206	506,355	414,484	417,478	433,323	440,704	360,517	432,377	436,824	479,955

Notes:
Citation:
Source:

Pregnancy cases not included. ICD-10 codes in parentheses. Recent Welsh data are subject to revision. Sex (gender) not recorded for some admissions (England only) so figures here are higher than male and female combined

BHF (2025) Analysis of UK hospital data

England - NHS England (2024). Hospital Statistics to 2023/24 [accessed Apr 2025]
Public Health Scotland (2025). Personal correspondence.
Digital Health and Care Wales (2024). Personal correspondence and PEDW archive
NI Department of Health (2024). Hospital Statistics to 2023/24 [accessed Apr 2025]

<https://digital.nhs.uk/data-and-information/publications/statistical/hospital-admitted-patient-care-activity/>

<https://nwis.nhs.wales/information-services/health-intelligence/pedw-data-online/>
<https://www.health-ni.gov.uk/articles/episode-based-activity>

Table 2.2b All inpatient admissions by main diagnosis in NHS hospitals in men, England, Scotland, Wales, Northern Ireland and United Kingdom, 2005/06 to 2023/24

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MALE ONLY		2005/06	2006/07	2007/08	2008/09	2009/10	2010/11	2011/12	2012/13	2013/14	2014/15	2015/16	2016/17	2017/18	2018/19	2019/20	2020/21	2021/22	2022/23	2023/24
England	Heart and circulatory diseases (CVD) (I00-I99)			511,764	523,983	527,642	533,919	541,347	537,238	544,696	552,169	571,702	535,797	541,917	544,900	553,477	460,200	536,400	531,700	565,000
	Coronary heart disease (I20-I25)			202,280	199,223	190,610	186,653	187,500	186,072	185,057	182,029	180,959	180,900	179,630	174,600	171,391	137,500	155,030	148,200	151,000
	Myocardial infarction (I21-I22)			49,467	47,414	44,858	39,442	40,682	49,433	51,347	51,398	52,530	53,484	54,367	52,800	54,114	50,200	56,300	53,250	54,500
	Atrial fibrillation (I48)			47,895	49,597	51,582	53,425	54,258	55,605	56,502	57,671	61,458	62,380	62,583	63,200	64,437	50,700	61,670	60,600	65,300
	Heart Failure (I50)			30,253	29,935	30,525	30,885	32,048	33,015	34,196	37,632	41,603	43,808	46,679	46,700	50,426	44,000	52,650	52,000	55,700
	Stroke (I60-I69)			45,374	47,147	49,793	51,973	53,191	53,905	53,485	54,384	55,875	55,472	56,294	57,000	59,116	57,000	60,360	60,600	63,500
	Other cardiovascular disease (I00-99 only; not listed above)			185,962	198,081	205,132	210,983	214,350	208,641	215,456	220,453	231,807	193,237	196,731	203,400	210,487	171,000	206,690	212,000	229,500
Scotland	Heart and circulatory diseases (CVD) (I00-I99)				51,133	49,884	50,254	50,482	50,332	50,212	49,890	50,487	47,651	47,249	47,567	47,517	40,144	44,793	44,994	46,797
	Coronary heart disease (I20-I25)				18,017	16,915	17,374	17,327	16,797	16,474	16,078	15,579	15,989	15,745	16,122	15,980	13,694	14,756	14,429	14,397
	Myocardial infarction (I21-I22)				5,936	6,175	6,762	7,097	7,021	6,856	6,744	6,593	6,782	6,668	6,723	6,876	6,526	6,902	6,659	6,648
	Atrial fibrillation (I48)				4,698	4,682	4,899	4,961	4,998	4,965	4,984	5,090	5,045	5,153	5,242	5,234	3,961	4,715	4,740	5,324
	Heart Failure (I50)				3,839	3,668	3,758	3,806	3,759	3,745	3,757	4,031	4,092	4,124	4,051	4,404	3,820	4,098	4,248	4,251
	Stroke (I60-I69)				5,556	5,637	5,453	5,514	5,612	5,495	5,725	5,893	6,008	5,870	6,143	6,191	6,000	6,434	6,482	6,771
	Other cardiovascular disease (I00-99 only; not listed above)				19,023	18,982	18,770	18,874	19,166	19,533	19,346	19,894	16,517	16,357	16,009	15,708	12,669	14,790	15,095	16,054
Wales	Heart and circulatory diseases (CVD) (I00-I99)	29,514	30,090	30,362	31,302	30,880	30,541	29,897	29,697	30,096	29,724	29,678	28,471	26,695	28,594	28,107	23,072	27,387	25,014	25,011
	Coronary heart disease (I20-I25)	10,910	11,320	11,432	11,515	10,901	10,648	10,158	9,759	9,604	9,244	9,316	9,145	8,720	9,204	9,134	7,594	8,474	7,383	6,823
	Myocardial infarction (I21-I22)	3,218	3,194	3,100	3,248	2,861	2,641	2,554	2,844	3,041	3,014	3,431	3,368	3,413	3,276	3,365	3,158	3,746	3,146	2,680
	Atrial fibrillation (I48)	2,570	2,505	2,635	2,585	2,684	2,861	2,915	2,995	3,103	3,063	3,025	3,283	2,973	3,294	2,978	2,153	2,734	2,766	3,638
	Heart Failure (I50)	2,586	2,306	2,277	2,432	2,269	2,419	2,357	2,493	2,360	2,402	2,298	2,502	2,317	2,455	2,497	2,084	2,644	2,320	2,723
	Stroke (I60-I69)	3,386	3,384	3,244	3,478	3,416	3,568	3,430	3,425	3,742	3,629	3,672	3,809	3,621	3,773	3,783	3,614	3,885	3,585	2,560
	Other cardiovascular disease (I00-99 only; not listed above)	10,062	10,575	10,774	11,292	11,610	11,045	11,037	11,025	11,287	11,386	11,367	9,732	9,064	9,868	8,762	7,627	9,650	8,960	9,267
Northern Ireland	Heart and circulatory diseases (CVD) (I00-I99)							22,200	20,100	21,300	20,700	20,200	19,100	18,700	19,300	19,373	13,440	16,170	16,500	16,900
	Coronary heart disease (I20-I25)							8,300	8,600	9,500	9,000	8,800	8,300	8,100	8,400	8,040	5,700	6,670	6,700	6,750
	Myocardial infarction (I21-I22)							1,600	2,300	2,700	2,700	2,800	3,000	3,000	2,900	2,975	2,300	2,490	2,700	2,500
	Atrial fibrillation (I48)							2,300	2,100	2,100	2,200	2,400	2,300	2,200	2,100	2,200	1,400	1,610	1,900	1,700
	Heart Failure (I50)							1,100	1,300	1,400	1,400	1,400	1,400	1,500	1,600	1,866	1,400	1,570	1,500	1,500
	Stroke (I60-I69)							1,100	1,000	1,100	830	740	660	680	630	611	540	650	600	780
	Other cardiovascular disease (I00-99 only; not listed above)							9,400	7,100	7,200	7,270	6,860	6,440	6,220	6,570	6,856	4,400	5,670	6,000	6,170
United Kingdom	Heart and circulatory diseases (CVD) (I00-I99)							643,926	637,367	646,304	652,483	672,067	631,019	634,561	640,361	648,474	536,856	624,750	618,208	653,708
	Coronary heart disease (I20-I25)							223,285	221,228	220,635	216,351	214,654	214,334	212,195	208,326	204,545	164,488	184,930	176,712	178,970
	Myocardial infarction (I21-I22)							51,933	61,598	63,944	63,856	65,354	66,634	67,448	65,699	67,330	62,184	69,438	65,755	66,328
	Atrial fibrillation (I48)							64,434	65,698	66,670	67,918	71,973	73,008	72,909	73,836	74,849	58,214	70,729	70,006	75,962
	Heart Failure (I50)							39,311	40,567	41,701	45,191	49,332	51,802	54,620	54,806	59,194	51,304	60,962	60,068	64,174
	Stroke (I60-I69)							63,235	63,942	63,822	64,568	66,180	65,949	66,465	67,546	69,701	67,154	71,329	71,267	73,611
	Other cardiovascular disease (I00-99 only; not listed above)							253,661	245,932	253,476	258,455	269,928	225,926	228,372	235,847	241,813	195,696	236,800	240,155	260,991

Notes: Pregnancy cases not included. ICD-10 codes in parentheses. Recent Welsh data are subject to revision.
For most years for England and Northern Ireland, male/female splits are pro rata estimates based on finished consultant episodes volumes and then rounded.

Citation: BHF (2025) Analysis of UK hospital data

Source: England - NHS England (2024). Hospital Statistics to 2023/24 [accessed Apr 2025]
Public Health Scotland (2025). Personal correspondence.
Digital Health and Care Wales (2024). Personal correspondence and PEDW archive
NI Department of Health (2024). Hospital Statistics to 2023/24 [accessed Apr 2025]

<https://digital.nhs.uk/data-and-information/publications/statistical/hospital-admitted-patient-care-activity/>

<https://nwis.nhs.wales/information-services/health-intelligence/pedw-data-online/>

<https://www.health-ni.gov.uk/articles/episode-based-activity>

Table 2.2c Inpatient admissions by main diagnosis in NHS hospitals in women, England, Scotland, Wales, Northern Ireland and United Kingdom, 2005/06 to 2023/24

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FEMALE ONLY		2005/06	2006/07	2007/08	2008/09	2009/10	2010/11	2011/12	2012/13	2013/14	2014/15	2015/16	2016/17	2017/18	2018/19	2019/20	2020/21	2021/22	2022/23	2023/24
England	Heart and circulatory diseases (CVD) (I00-I99)			386,079	393,334	397,365	402,088	400,533	393,403	400,057	409,960	422,748	382,501	383,659	402,300	410,306	347,000	400,100	390,800	420,000
	Coronary heart disease (I20-I25)			103,708	100,941	94,816	93,270	93,294	90,690	88,816	87,087	86,057	85,825	84,026	86,500	84,171	67,900	74,850	69,900	72,000
	Myocardial infarction (I21-I22)			27,588	26,816	25,061	22,826	23,406	26,812	26,827	26,880	27,265	27,137	27,270	28,400	28,713	26,000	28,300	26,800	27,000
	Atrial fibrillation (I48)			37,715	38,872	40,200	41,025	41,807	42,564	44,114	44,531	46,055	46,712	46,981	52,100	53,172	45,300	52,220	48,600	52,800
	Heart Failure (I50)			28,329	27,981	27,988	28,336	28,371	29,363	30,004	32,511	35,391	36,795	38,097	39,800	43,720	38,000	46,230	44,600	48,100
	Stroke (I60-I69)			47,762	48,694	51,526	52,502	53,325	53,507	53,046	52,895	53,065	52,356	52,830	54,100	55,875	52,000	55,370	55,500	57,500
	Other cardiovascular disease (I00-99 only; not listed above)			168,565	176,846	182,835	186,955	183,736	177,279	184,077	192,936	202,180	160,813	161,725	169,800	171,020	143,800	171,430	170,000	189,600
Scotland	Heart and circulatory diseases (CVD) (I00-I99)				42,963	41,830	41,264	41,206	40,433	41,040	39,994	40,318	36,385	36,375	36,192	35,582	30,560	33,299	33,594	34,416
	Coronary heart disease (I20-I25)				10,628	9,774	9,957	9,829	9,332	9,469	8,776	8,521	8,428	8,500	8,545	8,308	7,146	7,452	7,357	7,301
	Myocardial infarction (I21-I22)				3,604	3,752	4,218	4,290	4,203	4,239	3,950	3,844	3,869	3,891	3,860	3,749	3,594	3,563	3,470	3,494
	Atrial fibrillation (I48)				4,123	4,042	4,304	4,343	4,194	4,484	4,466	4,577	4,503	4,513	4,545	4,375	3,621	4,003	3,955	4,298
	Heart Failure (I50)				3,406	3,324	3,300	3,462	3,297	3,220	3,189	3,399	3,535	3,553	3,652	3,734	3,384	3,662	3,768	3,743
	Stroke (I60-I69)				5,980	6,013	5,874	5,843	5,757	5,756	5,882	5,913	5,851	5,975	5,905	5,877	5,535	5,933	6,082	6,040
	Other cardiovascular disease (I00-99 only; not listed above)				18,826	18,677	17,829	17,729	17,853	18,111	17,681	17,908	14,068	13,834	13,545	13,288	10,874	12,249	12,432	13,034
Wales	Heart and circulatory diseases (CVD) (I00-I99)	24,735	24,816	24,910	25,695	25,152	24,518	23,680	22,974	23,569	23,128	23,409	20,953	20,222	20,796	20,472	17,074	19,567	18,210	18,096
	Coronary heart disease (I20-I25)	6,518	6,670	6,513	6,398	5,910	5,677	5,443	5,202	5,042	4,725	5,022	4,728	4,542	4,548	4,593	3,765	4,153	3,506	3,206
	Myocardial infarction (I21-I22)	2,110	2,049	1,988	2,000	1,711	1,615	1,556	1,693	1,704	1,609	1,894	1,862	1,836	1,704	1,690	1,673	1,868	1,560	1,323
	Atrial fibrillation (I48)	2,399	2,375	2,384	2,334	2,413	2,528	2,503	2,510	2,588	2,514	2,617	2,601	2,477	2,526	2,217	1,873	2,105	1,880	3,233
	Heart Failure (I50)	2,436	2,270	2,368	2,279	2,121	2,266	2,090	2,116	2,134	2,162	2,145	2,132	2,070	2,080	2,189	1,838	2,220	2,076	2,032
	Stroke (I60-I69)	3,919	3,528	3,664	4,031	3,673	3,716	3,809	3,757	3,789	3,863	3,876	3,675	3,546	3,631	3,634	3,466	3,612	3,180	2,059
	Other cardiovascular disease (I00-99 only; not listed above)	9,463	9,973	9,981	10,653	11,035	10,331	9,835	9,389	10,016	9,864	9,749	7,817	7,587	8,011	7,839	6,132	7,477	7,568	7,566
Northern Ireland	Heart and circulatory diseases (CVD) (I00-I99)							16,800	15,600	15,500	15,100	14,500	13,700	13,400	13,700	13,132	9,200	10,180	10,700	11,100
	Coronary heart disease (I20-I25)							4,000	4,100	4,200	4,000	3,900	3,800	3,500	3,600	3,192	2,300	2,590	2,600	2,850
	Myocardial infarction (I21-I22)							1,000	1,300	1,400	1,400	1,500	1,500	1,400	1,300	1,355	1,000	1,390	1,100	1,100
	Atrial fibrillation (I48)							1,700	1,800	1,700	1,600	1,900	1,800	1,700	1,700	1,608	1,100	1,190	1,300	1,250
	Heart Failure (I50)							1,300	1,400	1,400	1,400	1,400	1,500	1,500	1,600	1,719	1,300	1,380	1,500	1,300
	Stroke (I60-I69)							1,100	1,000	1,100	830	710	740	740	680	623	600	610	600	700
	Other cardiovascular disease (I00-99 only; not listed above)							8,700	7,300	7,100	7,270	6,590	5,860	5,960	6,120	5,790	3,900	4,410	4,500	5,000
United Kingdom	Heart and circulatory diseases (CVD) (I00-I99)							482,219	472,410	480,166	488,182	500,975	453,539	453,656	472,988	479,492	403,834	463,146	453,304	483,612
	Coronary heart disease (I20-I25)							112,566	109,324	107,527	104,588	103,500	102,781	100,568	103,193	100,265	81,111	89,045	83,363	85,357
	Myocardial infarction (I21-I22)							30,252	34,008	34,170	33,839	34,503	34,368	34,397	35,264	35,506	32,267	35,121	32,930	32,917
	Atrial fibrillation (I48)							50,353	51,068	52,886	53,111	55,149	55,616	55,671	60,871	61,371	51,894	59,518	55,735	61,581
	Heart Failure (I50)							35,223	36,176	36,758	39,262	42,335	43,962	45,220	47,132	51,362	44,522	53,492	51,944	55,175
	Stroke (I60-I69)							64,077	64,021	63,691	63,470	63,564	62,622	63,091	64,316	66,009	61,601	65,525	65,362	66,299
	Other cardiovascular disease (I00-99 only; not listed above)							220,000	211,821	219,304	227,751	236,427	188,558	189,106	197,476	197,938	164,706	195,566	196,900	215,200

Notes: Pregnancy cases not included. ICD-10 codes in parentheses. Recent Welsh data are subject to revision.
For most years for England and Northern Ireland, male/female splits are pro rata estimates based on finished consultant episodes volumes and then rounded.

Citation: BHF (2025) Analysis of UK hospital data

Source: England - NHS England (2024). Hospital Statistics to 2023/24 [accessed Apr 2025] <https://digital.nhs.uk/data-and-information/publications/statistical/hospital-admitted-patient-care-activity/>
Public Health Scotland (2025). Personal correspondence.
Digital Health and Care Wales (2024). Personal correspondence and PEDW archive <https://nwis.nhs.wales/information-services/health-intelligence/pedw-data-online/>
NI Department of Health (2024). Hospital Statistics to 2023/24 [accessed Apr 2025] <https://www.health-ni.gov.uk/articles/episode-based-activity>

Table 2.3 Inpatient episodes by main diagnosis in National Health Service hospitals by sex, England, Scotland, Wales, Northern Ireland and United Kingdom 2023/24

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	England		Scotland		Wales		Northern Ireland		United Kingdom		
	Male	Female	Male	Female	Male	Female	Male	Female	Male	Female	All
All diagnoses	9,609,513	11,687,625	790,789	857,440	418,097	500,382	318,851	306,477	11,137,250	13,351,924	24,642,911
All heart and circulatory diseases (C38.0, F01, G45, I00-I99, P29, Q20-Q28)	951,249	715,041	99,903	74,280	37,105	27,639	27,572	18,332	1,115,829	835,292	1,966,659
Diseases of the circulatory system (I00-I99)	920,848	685,771	96,646	71,262	36,131	26,663	27,030	17,811	1,080,655	801,507	1,895,989
Coronary heart disease (I20-I25)	244,381	116,478	30,988	15,192	9,896	4,740	9,723	4,092	294,988	140,502	438,974
Angina pectoris (I20)	38,982	23,975	3,786	2,319	1,285	716	1,254	603	45,307	27,613	73,232
Myocardial infarction (I21-I22)	112,826	56,077	16,093	8,516	4,528	2,231	4,330	1,974	137,777	68,798	207,868
Atrial fibrillation (I48)	91,626	74,128	8,136	7,220	3,520	2,796	2,464	1,830	105,746	85,974	193,632
Heart failure (I50)	122,590	105,988	10,204	9,332	4,535	3,827	3,632	3,152	140,961	122,299	264,422
Stroke (I60-I69)	125,961	113,987	16,813	15,305	5,590	4,998	1,433	1,274	149,797	135,564	286,367
Other cardiovascular disease (I00-99 only; not listed above)	336,290	275,190	30,505	24,213	12,590	10,302	9,778	7,463	389,163	317,168	712,594
Malignant neoplasm: Heart (C38.0)	147	28	0	*	4	1	*	*	151	29	182
Vascular dementia (F01)	2,684	2,795	315	347	249	246	33	40	3,281	3,428	6,745
Transient cerebral ischaemic attacks and related syndromes (G45)	12,073	12,623	1,886	1,719	570	576	115	184	14,644	15,102	29,913
Cardiovascular disorders originating in the perinatal period (P29)	2,255	1,954	*	11	31	19	64	50	2,350	2,034	4,447
Congenital malformations of the circulatory system (Q20-Q28)	13,242	11,870	1,056	941	120	134	330	247	14,748	13,192	29,383

Notes: Finished consultant episodes (FCE); admissions and day cases combined. Pregnancy cases excluded. Sex (gender) not recorded for some English FCEs (15k for all CVDs). Differences between countries in the categorisation of episodes: in both England and Scotland, an FCE ends when the consultant changes. However, in Scotland a change of sub-specialty results in a new FCE, whereas in England it does not, e.g. if a patient goes from a cardiac ward to an ITU and is still under the care of the same consultant, in England this would be counted as 1 FCE and in Scotland it would be counted as 2 FCE. Wales data subject to revision - also 2023/24 has been flagged by DHCW, as having less coding than normal. * figures not available, or suppressed (usually fewer than five patients)

Citation: BHF (2025) Analysis of UK hospital data

Source: England - NHS England (2024). Hospital Episode Statistics 2023/24 [accessed Apr 2025]
<https://digital.nhs.uk/data-and-information/publications/statistical/hospital-admitted-patient-care-activity/2023-24>
Public Health Scotland (2025). Personal correspondence
Digital Health and Care Wales (DHCW) (2024). Personal correspondence
NI Department of Health (2024). Hospital Episode Statistics 2023/243 [accessed Apr 2025]
<https://www.health-ni.gov.uk/publications/acute-episode-based-activity-202324>

Table 2.4a All inpatient episodes by main diagnosis in NHS hospitals, England, Scotland, Wales, Northern Ireland and United Kingdom, 2005/06 to 2023/24

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ALL EPISODES (FCEs)		2005/06	2006/07	2007/08	2008/09	2009/10	2010/11	2011/12	2012/13	2013/14	2014/15	2015/16	2016/17	2017/18	2018/19	2019/20	2020/21	2021/22	2022/23	2023/24
England	Heart and circulatory diseases (CVD) (I00-I99)	1,244,004	1,255,590	1,274,674	1,322,295	1,358,247	1,371,809	1,381,635	1,374,094	1,401,232	1,423,319	1,480,320	1,418,802	1,448,856	1,500,788	1,534,214	1,321,489	1,533,547	1,508,036	1,620,446
	Coronary heart disease (I20-I25)	428,262	427,913	424,247	422,334	407,675	405,096	409,508	404,089	401,007	393,531	393,887	396,316	397,626	400,384	393,933	322,111	367,562	348,380	364,343
	Myocardial infarction (I21-I22)	135,705	137,163	134,066	132,787	129,346	120,892	123,786	143,532	148,259	148,460	154,857	159,085	163,090	164,570	166,474	147,063	170,385	162,969	170,196
	Atrial fibrillation (I48)	107,014	109,646	115,069	120,200	126,235	130,218	132,516	135,200	138,288	139,857	146,676	148,842	149,790	161,443	164,226	139,173	162,371	153,137	167,666
	Heart Failure (I50)	106,500	100,452	104,379	106,808	112,976	117,034	121,242	127,064	133,648	146,147	160,834	169,754	180,655	188,682	205,378	177,242	216,050	212,259	229,740
	Stroke (I60-I69)	178,321	176,452	179,999	190,101	203,705	198,335	194,436	196,081	197,356	197,793	203,582	205,680	210,932	214,872	220,843	209,675	228,264	235,085	240,954
	Other cardiovascular disease (I00-99 only; not listed above)	423,907	441,127	450,980	482,852	507,656	521,126	523,933	511,660	530,933	545,991	575,341	498,210	509,853	535,407	549,834	473,288	559,300	559,175	617,743
Scotland	Heart and circulatory diseases (CVD) (I00-I99)				147,639	146,240	150,067	150,110	150,995	159,078	160,765	169,385	165,918	164,966	167,186	170,271	148,282	160,934	160,711	167,908
	Coronary heart disease (I20-I25)				50,005	48,521	50,566	49,813	48,328	50,169	49,086	49,434	50,848	50,000	51,889	51,476	43,724	46,680	45,054	46,180
	Myocardial infarction (I21-I22)				19,496	21,290	24,386	25,275	25,213	26,661	25,868	26,462	26,927	25,808	26,988	27,021	24,551	25,741	24,069	24,609
	Atrial fibrillation (I48)				11,428	11,411	12,328	12,328	12,638	13,696	13,989	14,863	15,230	15,034	15,258	14,957	11,980	13,515	13,391	15,356
	Heart Failure (I50)				11,552	11,259	11,786	12,191	12,154	13,113	13,812	16,127	16,908	17,259	17,635	19,658	17,345	19,300	19,298	19,536
	Stroke (I60-I69)				22,189	22,686	22,885	22,950	24,136	25,453	27,278	28,379	29,410	29,447	29,268	29,268	29,308	30,596	31,574	32,118
	Other cardiovascular disease (I00-99 only; not listed above)				52,465	52,363	52,502	52,828	53,739	56,647	56,600	60,582	53,522	53,226	53,136	54,912	45,925	50,843	51,394	54,718
Wales	Heart and circulatory diseases (CVD) (I00-I99)	80,376	81,064	82,372	84,850	88,015	87,329	88,026	87,336	88,470	84,580	85,589	79,167	77,493	81,886	75,052	63,841	70,892	63,798	62,794
	Coronary heart disease (I20-I25)	27,359	27,455	27,620	27,451	27,040	26,341	27,287	26,326	25,729	23,312	23,444	22,399	22,161	22,757	20,724	17,951	18,806	16,080	14,636
	Myocardial infarction (I21-I22)	9,089	8,953	8,946	8,869	8,640	7,970	7,709	9,031	9,731	8,688	9,960	9,844	10,053	9,648	9,135	8,990	9,676	8,033	6,759
	Atrial fibrillation (I48)	7,068	7,082	7,287	7,139	8,009	8,302	8,056	8,557	8,595	8,300	8,683	8,652	8,246	8,931	7,414	5,941	6,591	6,120	6,316
	Heart Failure (I50)	7,892	7,508	7,978	8,018	8,499	8,965	8,354	9,405	9,070	9,054	9,306	9,430	9,133	9,557	9,517	7,652	9,085	8,151	8,362
	Stroke (I60-I69)	12,132	11,873	11,919	13,020	13,247	12,913	12,338	13,012	13,323	12,589	12,454	11,648	11,501	12,096	11,456	11,438	11,921	10,698	10,588
	Other cardiovascular disease (I00-99 only; not listed above)	25,925	27,146	27,568	29,222	31,220	30,808	31,991	30,036	31,753	31,325	31,702	27,038	26,452	28,545	25,941	20,859	24,489	22,749	22,892
Northern Ireland	Heart and circulatory diseases (CVD) (I00-I99)						42,887	46,617	42,875	44,296	44,592	44,488	42,515	43,016	46,207	46,189	35,999	40,864	42,924	44,841
	Coronary heart disease (I20-I25)						14,409	14,060	14,520	15,378	15,014	14,963	14,262	14,158	15,262	14,704	11,240	12,458	13,028	13,815
	Myocardial infarction (I21-I22)							3,540	4,614	5,288	5,369	5,776	5,985	6,081	6,243	6,636	5,461	5,893	6,218	6,304
	Atrial fibrillation (I48)							4,490	4,518	4,410	4,478	5,205	4,859	4,824	4,982	5,052	3,586	3,933	4,451	4,294
	Heart Failure (I50)							3,660	4,131	4,360	4,731	5,011	4,990	5,427	6,093	6,758	6,077	6,391	6,835	6,784
	Stroke (I60-I69)						4,872	3,199	2,943	3,383	2,486	2,202	2,208	2,313	2,219	2,094	1,962	2,237	2,256	2,707
	Other cardiovascular disease (I00-99 only; not listed above)							21,208	16,763	16,765	17,883	17,107	16,196	16,294	17,651	17,581	13,134	15,845	16,354	17,241
United Kingdom	Heart and circulatory diseases (CVD) (I00-I99)					1,652,092	1,666,388	1,655,300	1,693,076	1,713,256	1,779,782	1,706,402	1,734,331	1,796,067	1,825,726	1,569,611	1,806,237	1,775,469	1,895,989	
	Coronary heart disease (I20-I25)					496,412	500,668	493,263	492,283	480,943	481,728	483,825	483,945	490,292	480,837	395,026	445,506	422,542	438,974	
	Myocardial infarction (I21-I22)					160,310	182,390	189,939	188,385	197,055	201,841	205,032	207,449	209,266	186,065	211,695	201,289	207,868		
	Atrial fibrillation (I48)					157,390	160,913	164,989	166,624	175,427	177,583	177,894	190,614	191,649	160,680	186,410	177,099	193,632		
	Heart Failure (I50)					145,447	152,754	160,191	173,744	191,278	201,082	212,474	221,967	241,311	208,316	250,826	246,543	264,422		
	Stroke (I60-I69)					239,005	232,923	236,172	239,515	240,146	246,617	248,946	254,193	258,455	263,661	252,383	273,018	279,613	286,367	
	Other cardiovascular disease (I00-99 only; not listed above)						629,960	612,198	636,098	651,799	684,732	594,966	605,825	634,739	648,268	553,206	650,477	649,672	712,594	

Notes: Finished consultant episodes; ordinary admissions and day cases combined. Pregnancy cases not included. ICD-10 codes in parentheses. Sex (gender) not recorded for some admissions (England only) so figures here are higher than male and female combined.

** Scotland - figures for 2012/13 to 2014/15 do not include subsequent myocardial infarction (I22) but revised coding advice had already led to only nominal use

Welsh data are subject to revision (the latest and previous year).

Citation: BHF (2025) Analysis of UK hospital data

Source: England - NHS England (2024). Hospital Statistics to 2023/24 [accessed Apr 2025]

Public Health Scotland (2025). Personal correspondence.

Digital Health and Care Wales (2024). Personal correspondence and PEDW archive

NI Department of Health (2024). Hospital Statistics to 2023/24 [accessed Apr 2025]

<https://digital.nhs.uk/data-and-information/publications/statistical/hospital-admitted-patient-care-activity/>

<https://nwis.nhs.wales/information-services/health-intelligence/pedw-data-online/>

<https://www.health-ni.gov.uk/articles/episode-based-activity>

Table 2.4b Inpatient episodes by main diagnosis in NHS hospitals in men, England, Scotland, Wales, Northern Ireland and United Kingdom, 2005/06 to 2023/24

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MALE ONLY		2005/06	2006/07	2007/08	2008/09	2009/10	2010/11	2011/12	2012/13	2013/14	2014/15	2015/16	2016/17	2017/18	2018/19	2019/20	2020/21	2021/22	2022/23	2023/24
England	Heart and circulatory diseases (CVD) (I00-I99)	694,974	705,822	715,200	741,384	759,672	767,889	779,921	777,888	793,952	804,412	838,567	811,101	831,328	863,302	881,061	748,623	878,393	869,084	920,848
	Coronary heart disease (I20-I25)	274,816	276,900	275,069	274,163	265,667	263,538	266,954	265,102	264,934	260,052	261,024	263,513	265,359	267,694	264,188	213,389	247,860	236,758	244,381
	Myocardial infarction (I21-I22)	83,953	85,707	83,648	82,027	79,963	73,861	75,600	89,924	94,323	94,566	99,026	102,729	105,637	107,026	108,764	96,325	113,376	108,414	112,826
	Atrial fibrillation (I48)	57,171	58,480	61,752	64,599	67,781	70,110	71,568	73,125	74,366	75,363	80,307	81,214	81,883	88,194	89,978	72,931	87,912	85,203	91,626
	Heart Failure (I50)	54,072	51,541	53,328	54,503	57,987	60,223	63,377	66,354	70,320	77,031	85,247	90,111	97,528	101,827	110,004	94,870	115,040	114,144	122,590
	Stroke (I60-I69)	85,041	84,271	86,372	91,363	97,878	96,364	95,294	96,502	97,593	98,597	102,188	103,758	106,514	110,259	113,534	109,633	119,037	122,737	125,961
	Other cardiovascular disease (I00-99 only; not listed above)	223,874	234,630	238,679	256,756	270,359	277,654	282,728	276,805	286,739	293,369	309,801	272,505	280,044	295,328	303,357	257,800	308,544	310,242	336,290
Scotland	Heart and circulatory diseases (CVD) (I00-I99)				82,266	81,442	83,985	83,946	85,126	88,575	90,271	95,117	94,095	93,102	95,113	97,301	83,988	91,864	91,770	96,646
	Coronary heart disease (I20-I25)				32,230	31,287	32,635	32,132	31,645	32,108	32,174	31,870	33,207	32,505	34,108	34,176	28,692	31,024	29,985	30,988
	Myocardial infarction (I21-I22)				12,313	13,353	15,115	15,743	16,008	16,558	16,397	16,490	16,933	16,109	17,129	17,404	15,741	16,778	15,655	16,093
	Atrial fibrillation (I48)				5,960	5,922	6,349	6,364	6,653	6,950	7,053	7,544	7,682	7,625	7,672	7,766	6,068	6,962	7,023	8,136
	Heart Failure (I50)				6,161	5,838	6,198	6,414	6,419	6,978	7,378	8,659	9,000	9,172	9,179	10,419	9,022	9,908	9,905	10,204
	Stroke (I60-I69)				10,738	11,044	11,063	11,057	11,802	12,321	13,364	14,090	14,705	14,395	14,860	15,408	15,049	15,896	16,139	16,813
	Other cardiovascular disease (I00-99 only; not listed above)				27,177	27,351	27,740	27,979	28,607	30,218	30,302	32,954	29,501	29,405	29,294	29,532	25,157	28,074	28,718	30,505
Wales	Heart and circulatory diseases (CVD) (I00-I99)	44,120	44,579	45,358	46,968	48,335	48,180	48,765	49,222	49,888	47,606	47,867	45,283	43,930	47,214	43,070	36,351	40,980	36,296	36,131
	Coronary heart disease (I20-I25)	17,171	17,284	17,582	17,683	17,524	17,037	17,529	17,112	16,866	15,458	15,128	14,620	14,541	15,118	13,768	11,865	12,582	10,787	9,896
	Myocardial infarction (I21-I22)	5,396	5,352	5,352	5,401	5,354	4,867	4,617	5,606	6,194	5,619	6,338	6,255	6,482	6,301	6,075	5,874	6,480	5,325	4,528
	Atrial fibrillation (I48)	3,610	3,605	3,739	3,748	4,034	4,232	4,185	4,524	4,559	4,440	4,594	4,689	4,312	4,879	4,049	3,074	3,584	3,492	3,520
	Heart Failure (I50)	4,057	3,774	3,927	4,199	4,351	4,606	4,395	5,103	4,873	4,758	4,875	5,176	4,819	5,219	5,033	4,060	4,935	4,214	4,535
	Stroke (I60-I69)	5,724	5,793	5,625	6,088	6,184	6,045	5,389	6,134	6,617	6,009	5,961	5,960	5,834	6,136	5,819	5,807	6,148	5,511	5,590
	Other cardiovascular disease (I00-99 only; not listed above)	13,558	14,123	14,485	15,250	16,242	16,260	17,267	16,349	16,973	16,941	17,309	14,838	14,424	15,862	14,401	11,545	13,731	12,292	12,590
Northern Ireland	Heart and circulatory diseases (CVD) (I00-I99)						24,499	26,591	24,154	25,674	25,773	25,922	24,750	25,032	26,992	27,529	21,294	24,697	25,996	27,030
	Coronary heart disease (I20-I25)						9,800	9,521	9,846	10,697	10,418	10,386	9,798	9,863	10,669	10,525	7,987	8,972	9,400	9,723
	Myocardial infarction (I21-I22)							2,186	2,962	3,461	3,518	3,784	3,938	4,082	4,327	4,554	3,781	3,887	4,458	4,330
	Atrial fibrillation (I48)							2,605	2,410	2,458	2,559	2,876	2,777	2,702	2,764	2,919	1,988	2,267	2,656	2,464
	Heart Failure (I50)							1,702	1,977	2,175	2,382	2,522	2,397	2,725	3,022	3,518	3,191	3,400	3,446	3,632
	Stroke (I60-I69)						2,485	1,628	1,437	1,742	1,242	1,126	1,039	1,108	1,071	1,036	931	1,147	1,151	1,433
	Other cardiovascular disease (I00-99 only; not listed above)							11,135	8,484	8,602	9,172	9,012	8,739	8,634	9,466	9,531	7,197	8,911	9,343	9,778
United Kingdom	Heart and circulatory diseases (CVD) (I00-I99)						924,553	939,223	936,390	958,089	968,062	1,007,473	975,229	993,392	1,032,621	1,048,961	890,256	1,035,934	1,023,146	1,080,655
	Coronary heart disease (I20-I25)						323,010	326,136	323,705	324,605	318,102	318,408	321,138	322,268	327,589	322,657	261,933	300,438	286,930	294,988
	Myocardial infarction (I21-I22)							98,146	114,500	120,536	120,100	125,638	129,855	132,310	134,783	136,797	121,721	140,521	133,852	137,777
	Atrial fibrillation (I48)							84,722	86,712	88,333	89,415	95,321	96,362	96,522	103,509	104,712	84,061	100,725	98,374	105,746
	Heart Failure (I50)							75,888	79,853	84,346	91,549	101,303	106,684	114,244	119,247	128,974	111,143	133,283	131,709	140,961
	Stroke (I60-I69)						115,957	113,368	115,875	118,273	119,212	123,365	125,462	127,851	132,326	135,797	131,420	142,228	145,538	149,797
	Other cardiovascular disease (I00-99 only; not listed above)							339,109	330,245	342,532	349,784	369,076	325,583	332,507	349,950	356,821	301,699	359,260	360,595	389,163

Notes: Finished consultant episodes; ordinary admissions and day cases combined. Pregnancy cases not included. ICD-10 codes in parentheses.
** Scotland - figures for 2012/13 to 2014/15 do not include subsequent myocardial infarction (I22) but revised coding advice had already led to only nominal use
Welsh data are subject to revision (the latest and previous year).

Citation: BHF (2025) Analysis of UK hospital data
Source: England - NHS England (2024). Hospital Statistics to 2023/24 [accessed Apr 2025] <https://digital.nhs.uk/data-and-information/publications/statistical/hospital-admitted-patient-care-activity/>
Public Health Scotland (2025). Personal correspondence.
Digital Health and Care Wales (2024). Personal correspondence and PEDW archive <https://nwis.nhs.wales/information-services/health-intelligence/pedw-data-online/>
NI Department of Health (2024). Hospital Statistics to 2023/24 [accessed Apr 2025] <https://www.health-ni.gov.uk/articles/episode-based-activity>

Table 2.4c Inpatient episodes by main diagnosis in NHS hospitals in women, England, Scotland, Wales, Northern Ireland and United Kingdom, 2005/06 to 2023/24

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FEMALE ONLY		2005/06	2006/07	2007/08	2008/09	2009/10	2010/11	2011/12	2012/13	2013/14	2014/15	2015/16	2016/17	2017/18	2018/19	2019/20	2020/21	2021/22	2022/23	2023/24
England	Heart and circulatory diseases (CVD) (I00-I99)	549,030	549,768	559,474	580,911	598,575	603,920	601,714	596,206	607,280	618,907	641,753	607,701	617,528	637,486	653,153	564,155	655,027	638,795	685,771
	Coronary heart disease (I20-I25)	153,446	151,013	149,178	148,171	142,008	141,558	142,554	138,987	136,073	133,479	132,863	132,803	132,267	132,690	129,745	105,302	119,678	111,591	116,478
	Myocardial infarction (I21-I22)	51,752	51,456	50,418	50,760	49,383	47,031	48,186	53,608	53,936	53,894	55,831	56,356	57,453	57,544	57,710	49,885	56,997	54,533	56,077
	Atrial fibrillation (I48)	49,843	51,166	53,317	55,601	58,454	60,108	60,948	62,075	63,922	64,494	66,369	67,628	67,907	73,249	74,248	65,227	74,439	67,921	74,128
	Heart Failure (I50)	52,428	48,911	51,051	52,305	54,989	56,811	57,865	60,710	63,328	69,116	75,587	79,643	83,127	86,855	95,374	81,912	101,003	98,099	105,988
	Stroke (I60-I69)	93,280	92,181	93,627	98,738	105,827	101,971	99,142	99,579	99,763	99,196	101,394	101,922	104,418	104,613	107,309	100,000	109,208	112,311	113,987
	Other cardiovascular disease (I00-99 only; not listed above)	200,033	206,497	212,301	226,096	237,297	243,472	241,205	234,855	244,194	252,622	265,540	225,705	229,809	240,079	246,477	211,714	250,699	248,873	275,190
Scotland	Heart and circulatory diseases (CVD) (I00-I99)				65,373	64,798	66,082	66,164	65,869	70,503	70,494	74,268	71,823	71,864	72,073	72,970	64,294	69,070	68,941	71,262
	Coronary heart disease (I20-I25)				17,775	17,234	17,931	17,681	16,683	18,061	16,912	17,564	17,641	17,495	17,781	17,300	15,032	15,656	15,069	15,192
	Myocardial infarction (I21-I22)				7,183	7,937	9,271	9,532	9,205	10,103	9,471	9,972	9,994	9,699	9,859	9,617	8,810	8,963	8,414	8,516
	Atrial fibrillation (I48)				5,468	5,489	5,979	5,964	5,985	6,746	6,936	7,319	7,548	7,409	7,586	7,191	5,912	6,553	6,368	7,220
	Heart Failure (I50)				5,391	5,421	5,588	5,777	5,735	6,135	6,434	7,468	7,908	8,087	8,456	9,239	8,323	9,392	9,393	9,332
	Stroke (I60-I69)				11,451	11,642	11,822	11,893	12,334	13,132	13,914	14,289	14,705	15,052	14,408	15,210	14,259	14,700	15,435	15,305
	Other cardiovascular disease (I00-99 only; not listed above)				25,288	25,012	24,762	24,849	25,132	26,429	26,298	27,628	24,021	23,821	23,842	24,030	20,768	22,769	22,676	24,213
Wales	Heart and circulatory diseases (CVD) (I00-I99)	36,256	36,485	37,014	37,882	39,680	39,149	39,261	38,114	38,582	36,974	37,722	33,884	33,563	34,672	31,982	27,490	29,912	27,502	26,663
	Coronary heart disease (I20-I25)	10,188	10,171	10,038	9,768	9,516	9,304	9,758	9,214	8,863	7,854	8,316	7,779	7,620	7,639	6,956	6,086	6,224	5,293	4,740
	Myocardial infarction (I21-I22)	3,693	3,601	3,594	3,468	3,286	3,103	3,092	3,425	3,537	3,069	3,622	3,589	3,571	3,347	3,060	3,116	3,196	2,708	2,231
	Atrial fibrillation (I48)	3,458	3,477	3,548	3,391	3,975	4,070	3,871	4,033	4,036	3,860	4,089	3,963	3,934	4,052	3,365	2,867	3,007	2,628	2,796
	Heart Failure (I50)	3,835	3,734	4,051	3,819	4,148	4,359	3,959	4,302	4,197	4,296	4,431	4,254	4,314	4,338	4,484	3,592	4,150	3,937	3,827
	Stroke (I60-I69)	6,408	6,080	6,294	6,932	7,063	6,868	6,949	6,878	6,706	6,580	6,493	5,688	5,667	5,960	5,637	5,631	5,773	5,187	4,998
	Other cardiovascular disease (I00-99 only; not listed above)	12,367	13,023	13,083	13,972	14,978	14,548	14,724	13,687	14,780	14,384	14,393	12,200	12,028	12,683	11,540	9,314	10,758	10,457	10,302
Northern Ireland	Heart and circulatory diseases (CVD) (I00-I99)						18,388	20,026	18,721	18,622	18,819	18,566	17,765	17,984	19,215	18,660	14,705	16,167	16,928	17,811
	Coronary heart disease (I20-I25)						4,609	4,539	4,674	4,681	4,596	4,577	4,464	4,295	4,593	4,179	3,253	3,486	3,628	4,092
	Myocardial infarction (I21-I22)							1,354	1,652	1,827	1,851	1,992	2,047	1,999	1,916	2,082	1,680	2,006	1,760	1,974
	Atrial fibrillation (I48)							1,885	2,108	1,952	1,919	2,329	2,082	2,122	2,218	2,133	1,598	1,666	1,795	1,830
	Heart Failure (I50)							1,958	2,154	2,185	2,349	2,489	2,593	2,702	3,071	3,240	2,886	2,991	3,389	3,152
	Stroke (I60-I69)						2,387	1,571	1,506	1,641	1,244	1,076	1,169	1,205	1,148	1,058	1,031	1,090	1,105	1,274
	Other cardiovascular disease (I00-99 only; not listed above)							10,073	8,279	8,163	8,711	8,095	7,457	7,660	8,185	8,050	5,937	6,934	7,011	7,463
United Kingdom	Heart and circulatory diseases (CVD) (I00-I99)						727,539	727,165	718,910	734,987	745,194	772,309	731,173	740,939	763,446	776,765	670,644	770,176	752,166	801,507
	Coronary heart disease (I20-I25)						173,402	174,532	169,558	167,678	162,841	163,320	162,687	161,677	162,703	158,180	129,673	145,044	135,581	140,502
	Myocardial infarction (I21-I22)							62,164	67,890	69,403	68,285	71,417	71,986	72,722	72,666	72,469	63,491	71,162	67,415	68,798
	Atrial fibrillation (I48)							72,668	74,201	76,656	77,209	80,106	81,221	81,372	87,105	86,937	75,604	85,665	78,712	85,974
	Heart Failure (I50)							69,559	72,901	75,845	82,195	89,975	94,398	98,230	102,720	112,337	96,713	117,536	114,818	122,299
	Stroke (I60-I69)						123,048	119,555	120,297	121,242	120,934	123,252	123,484	126,342	126,129	129,214	120,921	130,771	134,038	135,564
	Other cardiovascular disease (I00-99 only; not listed above)							290,851	281,953	293,566	302,015	315,656	269,383	273,318	284,789	290,097	247,733	291,160	289,017	317,168

Notes: Finished consultant episodes; ordinary admissions and day cases combined. Pregnancy cases not included. ICD-10 codes in parentheses.
For England, data for females up to and including 2011/12 is calculated as the difference between total finished consultant episodes and male consultant episodes.
** Scotland - figures for 2012/13 to 2014/15 do not include subsequent myocardial infarction (I22) but revised coding advice had already led to only nominal use
Welsh data are subject to revision (the latest and previous year).

Citation: BHF (2025) Analysis of UK hospital data
Source: England - NHS England (2024). Hospital Statistics to 2023/24 [accessed Apr 2025]
Public Health Scotland (2025). Personal correspondence.
Digital Health and Care Wales (2024). Personal correspondence and PEDW archive
NI Department of Health (2024). Hospital Statistics to 2023/24 [accessed Apr 2025]

<https://digital.nhs.uk/data-and-information/publications/statistical/hospital-admitted-patient-care-activity/>
<https://nwis.nhs.wales/information-services/health-intelligence/pedw-data-online/>
<https://www.health-ni.gov.uk/articles/episode-based-activity>

Table 2.5 Inpatient episodes for cardiovascular diagnoses by sex and age, England 2023/24

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	male	female	Mean age	Age 0-1	Age 1-4	Age 5-9	Age 10-14	Age 15-19	Age 20-24	Age 25-29	Age 30-34	Age 35-39	Age 40-44	Age 45-49	Age 50-54	Age 55-59	Age 60-64	Age 65-69	Age 70-74	Age 75-79	Age 80-84	Age 85-89	Age 90+
Heart and circulatory diseases (CVD) (I00-I99)	57%	42%	70	1,216	2,421	3,761	4,088	5,723	7,424	11,008	17,979	27,016	38,343	52,308	84,343	119,189	148,888	163,848	189,617	240,235	206,949	173,054	112,237
% of total				0.1%	0.2%	0.2%	0.3%	0.4%	0.5%	0.7%	1.1%	1.7%	2.4%	3.2%	5.2%	7.4%	9.2%	10.2%	11.8%	14.9%	12.9%	10.8%	7.0%
Coronary heart disease (I20-I25)	67%	32%	68	26	33	20	17	35	178	364	1,310	3,258	7,609	13,525	25,801	38,600	48,491	48,329	49,503	52,962	36,290	24,000	12,167
% of total				0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.1%	0.4%	0.9%	2.1%	3.7%	7.1%	10.6%	13.4%	13.3%	13.7%	14.6%	10.0%	6.6%	3.4%
Myocardial infarction (I21-I22)	66%	33%	69	0	2	0	0	6	79	184	679	1,626	3,839	6,550	12,163	17,484	20,384	20,251	21,004	23,351	18,479	14,637	8,602
% of total				0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.1%	0.4%	1.0%	2.3%	3.9%	7.2%	10.3%	12.0%	12.0%	12.4%	13.8%	10.9%	8.6%	5.1%
Atrial fibrillation (I48)	55%	44%	72	2	0	5	17	88	216	442	812	1,443	2,334	3,612	7,434	12,547	16,637	19,807	23,543	29,231	22,034	16,536	10,207
% of total				0.0%	0.0%	0.0%	0.0%	0.1%	0.1%	0.3%	0.5%	0.9%	1.4%	2.2%	4.5%	7.5%	10.0%	11.9%	14.1%	17.5%	13.2%	9.9%	6.1%
Heart Failure (I50)	53%	46%	78	132	42	32	31	73	135	260	553	1,075	1,805	2,671	4,993	8,410	12,287	16,116	22,730	35,779	41,044	44,569	35,342
% of total				0.1%	0.0%	0.0%	0.0%	0.0%	0.1%	0.1%	0.2%	0.5%	0.8%	1.2%	2.2%	3.7%	5.4%	7.1%	10.0%	15.7%	18.0%	19.5%	15.5%
Stroke (I60-I69)	52%	47%	73	107	170	197	201	323	505	784	1,495	2,660	4,217	6,383	10,571	15,332	19,163	21,726	26,946	36,877	36,411	32,450	22,706
% of total				0.0%	0.1%	0.1%	0.1%	0.1%	0.2%	0.3%	0.6%	1.1%	1.8%	2.7%	4.4%	6.4%	8.0%	9.1%	11.3%	15.4%	15.2%	13.6%	9.5%

Notes: All data based on finished consultant episodes (FCEs); small volume have no sex (gender) or age recorded [accessed Apr 2025]

Citation: BHF (2025) Analysis of NHSE hospital data

Source: England - NHS England (2024) Hospital Statistics 2023/24 <https://digital.nhs.uk/data-and-information/publications/statistical/hospital-admitted-patient-care-activity>

Table 2.6 Hospital discharges by cardiovascular conditions by sex and age, Scotland 2013/14 to 2022/23

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	2013/14	2014/15	2015/16	2016/17	2017/18	2018/19	2019/20	2020/21	2021/22	2022/23	latest %
Myocardial Infarction (I21-I22)	26,370	25,514	26,077	26,523	25,482	26,658	26,923	24,440	25,457	23,669	
age 0-44	1,150	996	955	952	954	909	800	827	827	655	3%
age 45-64	8,797	9,015	8,771	8,853	8,914	9,643	9,704	8,792	9,082	8,371	35%
age 65-74	6,727	6,244	6,437	6,814	6,365	6,620	7,049	6,459	6,976	6,425	27%
age 75+	9,696	9,259	9,914	9,904	9,249	9,486	9,370	8,362	8,572	8,218	35%
rate	542.9	513.9	521.1	523.5	493.8	507.5	506.0	454.6	468.5	436.2	
male	16,321	16,117	16,182	16,616	15,835	16,884	17,290	15,641	16,563	15,356	
age 0-44	846	770	677	726	677	739	586	623	576	492	3%
age 45-64	6,449	6,652	6,354	6,426	6,361	7,191	7,098	6,388	6,682	6,075	40%
age 65-74	4,161	4,083	4,094	4,541	4,151	4,175	4,729	4,279	4,661	4,341	28%
age 75+	4,865	4,612	5,057	4,923	4,646	4,779	4,877	4,351	4,644	4,448	29%
rate	722.5	695.1	694.9	702.8	656.7	684.5	689.7	615.8	644.8	600.2	
female	10,049	9,397	9,895	9,907	9,647	9,774	9,633	8,799	8,894	8,313	
age 0-44	304	226	278	226	277	170	214	204	251	163	2%
age 45-64	2,348	2,363	2,417	2,427	2,553	2,452	2,606	2,404	2,400	2,296	28%
age 65-74	2,566	2,161	2,343	2,273	2,214	2,445	2,320	2,180	2,315	2,084	25%
age 75+	4,831	4,647	4,857	4,981	4,603	4,707	4,493	4,011	3,928	3,770	45%
rate	363.3	332.8	347.3	344.3	330.9	330.6	322.2	293.3	292.1	272.3	
Heart Failure (I50)	13,035	13,763	16,076	16,838	17,187	17,551	19,790	17,346	19,246	19,204	
age 0-44	239	201	270	272	279	228	356	322	329	336	2%
age 45-64	1,495	1,667	2,241	2,168	2,135	2,239	2,437	2,564	2,762	2,656	14%
age 65-74	2,721	2,807	3,270	3,419	3,630	3,751	4,002	3,662	4,062	3,775	20%
age 75+	8,580	9,088	10,295	10,979	11,143	11,333	12,995	10,798	12,093	12,437	65%
rate	284.0	291.9	334.9	345.7	345.8	346.8	383.9	330.0	360.5	361.6	
Stroke (I60-I69)	29,000	30,842	31,933	33,579	33,944	33,462	35,410	33,047	34,238	34,662	
age 0-44	1,239	1,354	1,197	1,279	1,323	1,185	1,341	1,112	1,211	1,139	3%
age 45-64	6,822	7,096	7,606	8,000	7,714	7,987	8,276	8,041	8,136	8,030	23%
age 65-74	6,608	7,056	7,255	7,786	8,158	7,876	8,223	7,712	8,153	8,081	23%
age 75+	14,331	15,336	15,875	16,514	16,749	16,414	17,570	16,182	16,738	17,412	50%
rate	594.3	620.5	636.7	659.4	653.5	639.1	661.7	614.2	626.3	634.9	

Notes: Original source ISD SMR01. Rate = age-sex standardised discharge rate per 100,000 population. Most recent figures are provisional

Citation: PHS (2024) Analysis of Scotland hospital data

Source: Public Health Scotland (2024) Scottish Heart Disease Statistics [accessed Feb 2024]
<https://publichealthscotland.scot/publications/scottish-heart-disease-statistics/>
Public Health Scotland (2024) Scottish Stroke Statistics [accessed Feb 2024]
<https://publichealthscotland.scot/publications/scottish-stroke-statistics/>

Table 2.7 Inpatient episodes for cardiovascular diagnoses by sex and age, Wales 2023/24

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	All **	male	female	Mean age	Age 0-14	Age 15-59	Age 60-74	Age 75+
Heart and circulatory diseases (CVD) (I00-I99)	61,030	58%	42%	71	552	9,348	16,674	23,980
% of total					1.1%	18.5%	33.0%	47.4%
Coronary heart disease (I20-I25)	14,164	68%	32%	69	*	3,163	5,937	5,016
% of total						22.4%	42.1%	35.5%
Myocardial infarction (I21-I22)	6,522	67%	33%	69	*	1,536	2,558	2,395
% of total					-	23.7%	39.4%	36.9%
Atrial fibrillation (I48)	6,180	56%	44%	72	7	1,039	2,164	2,970
% of total					0.1%	16.8%	35.0%	48.1%
Heart Failure (I50)	8,145	54%	46%	78	8	571	1,884	5,682
% of total					0.1%	7.0%	23.1%	69.8%
Stroke (I60-I69)	10,265	53%	47%	74	6	1,188	2,475	4,452
% of total					0.1%	14.6%	30.5%	54.8%

Notes: All data based on finished consultant episodes (FCEs). Age not recorded for all FCEs or all ICD-10 codes * = small value ** Please note this is a different dataset to Table 2.3

Citation: BHF (2025) Analysis of Welsh hospital data

Source: Digital Health & Care Wales (2024) Hospital Admissions Publications Tables, primary diagnosis by Welsh provider 2023/24

[accessed Apr 2025]

<https://dhcw.nhs.wales/information-services/information-delivery/hospital-admissions/hospital-admissions-annual-online-data-tables-statistical-reports/>

Table 2.8 Inpatient episodes for cardiovascular diagnoses by sex and age, Northern Ireland 2023/24

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	male	female	Mean age	Age 0-9	Age 10-19	Age 20-29	Age 30-39	Age 40-49	Age 50-59	Age 60-69	Age 70-79	Age 80+
Heart and circulatory diseases (CVD) (I00-I99)	60%	40%	69	199	261	482	1,006	2,533	6,093	9,889	12,238	12,140
% of total				0.4%	0.6%	1.1%	2.2%	5.6%	13.6%	22.1%	27.3%	27.1%
Coronary heart disease (I20-I25)	70%	30%	68	*	*	18	99	764	2,336	3,991	4,253	2,354
% of total						0.1%	0.7%	5.5%	16.9%	28.9%	30.8%	17.0%
Myocardial infarction (I21-I22)	69%	31%	68	*	*	5	67	413	1,107	1,631	1,793	1,288
% of total						0.1%	1.1%	6.6%	17.6%	25.9%	28.4%	20.4%
Atrial fibrillation (I48)	57%	43%	70	*	5	24	76	204	597	1,008	1,195	1,185
% of total					0.1%	0.6%	1.8%	4.8%	13.9%	23.5%	27.8%	27.6%
Heart Failure (I50)	54%	46%	78	8	2	8	21	99	462	836	1,786	3,562
% of total				0.1%	0.0%	0.1%	0.3%	1.5%	6.8%	12.3%	26.3%	52.5%
Stroke (I60-I69)	53%	47%	70	10	9	13	80	166	385	562	625	857
% of total				0.4%	0.3%	0.5%	3.0%	6.1%	14.2%	20.8%	23.1%	31.7%

Notes: All data based on finished consultant episodes (FCEs) * not disclosed / small value

Citation: BHF (2025) Analysis of NI hospital data

Source: NI Department of Health (2024). Hospital Episode Statistics 2023/24 [accessed Apr 2025]

<https://www.health-ni.gov.uk/publications/acute-episode-based-activity-202324>

Table 2.9 Incidence of cardiovascular disease (CVD), coronary heart disease (CHD), and stroke (CBVD) by nation and region, United Kingdom 2021

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Country	English Region	Incidence CVD 2021 est	Incidence A/S CVD 2021 est	Incidence CHD 2021 est	Incidence A/S CHD 2021 est	Incidence Stroke 2021 est	Incidence Stroke A/S 2021
	East Midlands	47,014	507.1	11,854	127.6	6,463	68.0
	East of England	60,524	497.5	14,838	119.7	8,330	65.0
	Greater London	57,387	479.5	13,617	110.1	7,741	61.5
	North East England	28,174	548.2	7,530	147.6	3,843	73.1
	North West England	72,762	536.9	18,616	137.3	10,065	72.3
	South East England	85,218	484.2	19,560	109.2	12,007	64.5
	South West England	58,021	494.5	13,782	116.1	8,304	66.4
	West Midlands	53,121	488.4	13,256	121.7	7,766	68.4
	Yorkshire and the Humber	52,304	511.4	13,897	136.3	7,458	70.7
<i>England</i>		<i>514,525</i>	<i>501.6</i>	<i>126,950</i>	<i>122.6</i>	<i>71,976</i>	<i>67.2</i>
<i>Scotland</i>		<i>78,383</i>	<i>726.2</i>	<i>29,842</i>	<i>271.3</i>	<i>16,394</i>	<i>149.1</i>
<i>Wales</i>		<i>35,244</i>	<i>550.9</i>	<i>12,008</i>	<i>181.6</i>	<i>4,824</i>	<i>74.5</i>
<i>Northern Ireland</i>		<i>20,355</i>	<i>612.8</i>	<i>8,044</i>	<i>239.3</i>	<i>2,775</i>	<i>81.3</i>
United Kingdom		648,507	526.6	176,844	141.6	95,970	75.1

Notes: All figures are modelled estimates. A/S = age standardised rate per 100,000 inhabitants.
 ICD-10 codes for cardiovascular disease (CVD) B33.2, G45-G46.8, I01-I01.9, I02.0, I05-I09.9, I11-I11.9, I20-I25.9, I27.0, I27.2, I28-I28.9, I30-I31.1, I31.8-I37.8, I38-I41.9, I42.1-I42.8, I43-I43.9, I47-I48.9, I51.0-I51.4, I60-I63.9, I65-I66.9, I67.0-I67.3, I67.5-I67.6, I68.0-I68.2, I69.0-I69.3, I70.2-I70.8, I71-I73.9, I77-I83.9, I86-I89.0, I89.9, I98, K75.1
 ICD-10 codes for coronary heart disease (CHD) I20-I25.9 - ICD-10 codes for stroke (CBVD) G45-G46.8, I60-I63.9, I65-I66.9, I67.0-I67.3, I67.5-I67.6, I68.1-I68.2, I69.0-I69.3

Citation: BHF (2024) Analysis of GBD data

Source: Global Burden of Disease Collaborative Network.

Global Burden of Disease Study 2021 Results.

Seattle, United States: Institute for Health Metrics and Evaluation (IHME), 2024.

<http://ghdx.healthdata.org/gbd-results-tool>

[accessed July 2024]

Table 2.10 Incidence of cardiovascular disease (CVD), coronary heart disease (CHD), and stroke (CBVD), by country and continent 2021

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Region Country		Incidence CVD 2021 est	Incidence A/S CVD 2021 est	Incidence CHD 2021 est	Incidence A/S CHD 2021 est	Incidence Stroke 2021 est	Incidence Stroke A/S 2021
GLOBAL		66,809,837	787.0	31,872,778	372.9	11,946,274	141.6
EUROPE		11,527,414	745.8	5,514,620	349.3	1,748,916	112.4
	Albania	30,220	749.3	13,641	322.2	6,252	155.3
	Andorra	757	501.0	247	158.2	93	61.9
	Austria	122,031	701.1	35,689	192.6	16,912	95.7
	Belarus	157,859	997.9	97,361	606.7	27,034	174.8
	Belgium	123,195	549.7	39,610	170.5	17,143	72.6
	Bosnia and Herzegovina	44,580	738.7	19,808	324.9	10,117	171.3
	Bulgaria	116,404	847.8	57,468	413.1	31,162	225.9
	Croatia	52,927	611.1	21,712	245.5	11,027	122.3
	Cyprus	9,841	486.9	2,357	119.6	1,261	67.5
	Czechia	160,691	779.1	76,589	369.3	23,181	110.1
	Denmark	62,318	552.9	15,485	132.5	8,211	72.4
	Estonia	23,789	908.4	15,239	559.4	2,285	89.0
	Finland	79,407	652.0	29,007	224.3	12,177	99.9
	France	716,849	533.7	249,808	176.3	94,240	68.3
	Germany	1,233,101	673.4	441,722	223.9	185,041	99.0
	Greece	122,897	526.3	31,922	124.5	26,950	103.2
	Hungary	143,743	752.0	75,516	382.6	22,140	117.2
	Iceland	3,150	560.8	1,083	188.8	404	71.2
	Ireland	39,516	511.4	13,406	170.1	4,463	58.8
	Italy	810,477	606.9	226,379	166.4	92,278	61.6
	Latvia	30,802	778.6	16,076	385.1	6,603	164.1
	Lithuania	47,169	812.3	25,610	413.6	10,056	176.1
	Luxembourg	5,377	522.9	1,244	117.1	609	57.7
	Malta	4,280	461.5	1,149	121.2	560	60.2
	Moldova	51,445	873.0	30,594	511.8	8,583	148.8
	Montenegro	7,560	806.6	3,458	364.7	1,814	207.2
	Netherlands	185,253	549.5	60,150	178.5	25,539	76.4
	North Macedonia	26,508	895.0	11,570	391.6	7,487	281.4
	Norway	60,406	623.5	16,783	169.9	9,368	93.0
	Poland	386,318	557.5	158,482	227.3	72,341	102.9
	Portugal	98,432	415.7	18,181	72.9	17,984	69.4
	Romania	278,115	760.2	135,975	364.3	63,904	170.5
	Russian Federation	2,718,586	1,160.7	1,719,385	728.0	421,514	183.0
	Serbia	144,855	901.6	75,126	468.4	31,800	194.2
	Slovakia	67,735	730.3	33,182	357.3	12,676	137.8
	Slovenia	27,928	655.9	12,435	286.6	3,427	76.5
	Spain	475,967	514.5	138,476	143.5	70,980	73.7
	Sweden	143,524	695.0	48,826	226.8	18,136	83.2
	Switzerland	86,856	496.0	28,103	149.9	10,388	58.0
	Ukraine	884,937	1,156.2	587,713	752.3	134,284	183.7
	United Kingdom	648,507	526.6	176,844	141.6	95,970	75.1
	England	514,525	501.6	126,950	122.6	71,976	67.2
	Scotland	78,383	726.2	29,842	271.3	16,394	149.1
	Wales	35,244	550.9	12,008	181.6	4,824	74.5
	Northern Ireland	20,355	612.8	8,044	239.3	2,775	81.3
NORTH AMERICA		4,293,813	670.2	1,114,883	174.2	466,209	76.3
	Canada	446,471	638.4	146,397	204.2	54,092	81.8
	United States	3,846,490	673.9	967,990	170.4	412,025	75.6
LATIN AMERICA & CARIBBEAN		3,628,736	590.9	1,541,094	248.2	554,334	90.7
	Brazil	1,323,880	546.9	420,772	167.6	239,213	97.2
ASIA		39,895,555	806.1	20,239,621	406.6	7,954,014	162.7
	China	16,039,153	811.8	7,304,573	365.7	4,090,480	204.8
	India	10,778,160	905.2	6,849,890	585.2	1,250,949	107.4
	Japan	1,399,673	424.2	358,365	90.6	305,159	97.0
	Türkiye (Turkey)	872,143	939.2	621,079	665.1	97,866	110.4
	United Arab Emirates	85,873	1,464.5	62,589	1,084.3	10,210	173.5
AFRICA		6,935,990	924.6	3,268,358	519.6	1,132,308	165.6
	South Africa	382,412	816.4	172,647	380.1	68,729	158.3
AUSTRALASIA		287,698	553.0	116,017	220.6	36,488	69.6
	Australia	237,889	543.7	94,563	213.7	30,924	70.0
	New Zealand	49,809	602.3	21,454	257.4	5,564	67.8

Notes: All figures are modelled estimates. A/S = age standardised rate per 100,000 inhabitants.
ICD-10 codes for cardiovascular disease (CVD) B33.2, G45-G46.8, I01-I01.9, I02.0, I05-I09.9, I11-I11.9, I20-I25.9, I27.0, I27.2, I28-I28.9, I30-I31.1, I31.8-I37.8, I38-I41.9, I42.1-I42.8, I43-I43.9, I47-I48.9, I51.0-I51.4, I60-I63.9, I65-I66.9, I67.0-I67.3, I67.5-I67.6, I68.0-I68.2, I69.0-I69.3, I70.2-I70.8, I71-I73.9, I77-I83.9, I86-I89.0, I89.9, I98, K75.1
ICD-10 codes for coronary heart disease (CHD) I20-I25.9 - ICD-10 codes for stroke (CBVD) G45-G46.8, I60-I63.9, I65-I66.9, I67.0-I67.3, I67.5-I67.6, I68.1-I68.2, I69.0-I69.3

Citation: BHF (2024) Analysis of GBD data

Source: Global Burden of Disease Collaborative Network.

Global Burden of Disease Study 2021 Results.

Seattle, United States: Institute for Health Metrics and Evaluation (IHME), 2024.

<http://ghdx.healthdata.org/gbd-results-tool>

[accessed July 2024]

Table 2.11 Prevalence of selected cardiovascular conditions by nation and region, United Kingdom, latest available

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Nation/Region	ONS Code	List size	Coronary Heart Disease Register		Stroke or Transient Ischaemic Attacks (TIA) Register		Heart Failure Register		Atrial Fibrillation Register		Peripheral Arterial Disease (PAD) Register		BHF Heart & Circulatory Diseases (CVD) Estimate	
			N	%	N	%	N	%	N	%	N	%	N	% popn
North East England	E12000001	2,876,817	110,135	3.8	68,223	2.4	40,887	1.4	72,044	2.5	23,936	0.8	370,000	14
North West England	E12000002	8,217,202	281,890	3.4	168,023	2.0	100,594	1.2	190,769	2.3	61,307	0.7	940,000	12
Yorkshire and The Humber	E12000003	6,018,848	201,478	3.3	127,157	2.1	69,190	1.1	137,460	2.3	42,799	0.7	690,000	12
East Midlands	E12000004	5,297,832	166,405	3.1	105,805	2.0	68,255	1.3	124,425	2.3	31,816	0.6	580,000	12
West Midlands	E12000005	6,620,396	203,352	3.1	124,783	1.9	70,509	1.1	144,761	2.2	35,499	0.5	680,000	11
East of England	E12000006	6,910,865	205,658	3.0	128,225	1.9	70,289	1.0	159,451	2.3	34,111	0.5	700,000	11
London	E12000007	11,011,953	204,982	1.9	122,675	1.1	67,701	0.6	126,330	1.1	34,227	0.3	650,000	7
South East England	E12000008	10,157,615	285,480	2.8	189,078	1.9	103,856	1.0	246,396	2.4	51,282	0.5	1,030,000	11
South West England	E12000009	6,107,328	219,864	3.6	141,424	2.3	81,152	1.3	173,537	2.8	38,860	0.6	760,000	13
England (2023/24)	E92000001	63,218,856	1,879,244	3.0	1,175,393	1.9	672,433	1.1	1,375,173	2.2	353,837	0.6	6.4 million+	11
Scotland (2023)	S92000003	5,723,722	210,000	3.6	130,000	2.2	48,000	0.9	110,000	1.9	42,000	0.7	730,000	13
Wales (2024)	W92000004	3,317,888	113,781	3.4	72,434	2.2	42,457	1.3	84,939	2.6	n/a	-	340,000	11
Northern Ireland (2023/24)	N92000002	2,050,887	75,265	3.7	41,487	2.0	21,701	1.1	47,101	2.3	n/a	-	225,000	12
United Kingdom (UK)	K02000001	74,311,353	2,278,290	3.1	1,419,314	1.9	784,591	1.1	1,617,213	2.2	n/a	-	7.6 million+	11

Notes: These data show total numbers of people on GP patient registers in each area. GPs allocated to region and nation by main surgery postcode (BHF using CACI InSite)
 With BHF analysis - adjustments have been made where active practices did not file patient data in the latest available year (previous data features instead)
 BHF CVD estimates based on latest prevalence data; NHS England/PH Scotland/StatsWales/DH Northern Ireland and health surveys: NHS England and Welsh/Scottish Government
 - CVD estimate shows percentage of population (latest ONS/NRS/NISRA estimates) and not a proportion of the list size

Citation: BHF (2024) Analysis of UK GP patient register data [CVD = BHF 2024 estimates]

Source: England - NHS England - Quality & Outcomes Framework (QOF) prevalence data 2023/24 [accessed Oct 2024]
<https://digital.nhs.uk/data-and-information/publications/statistical/quality-and-outcomes-framework-achievement-prevalence-and-exceptions-data/>
 Wales - StatsWales. Quality Assurance and Improvement Framework (QAIF) disease registers Apr 2024 [accessed Oct 2024]
<https://statswales.gov.wales/Catalogue/Health-and-Social-Care/NHS-Primary-and-Community-Activity/GMS-Contract>
 Scotland - Public Health Scotland. BHF 2023 estimates based on SPIRE percentages - NB only 60% coverage and now demised
<https://publichealthscotland.scot/publications/general-practice-disease-prevalence-data-visualisation/>
 Northern Ireland - Department of Health, Quality & Outcomes Framework (QOF) prevalence data 2023/24 [accessed July 2024]
<https://www.health-ni.gov.uk/articles/prevalence-statistics>

Table 2.12 Prevalence of selected cardiovascular conditions, UK 2006/07 to 2023/24

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	2006/07	2007/08	2008/09	2009/10	2010/11	2011/12	2012/13	2013/14	2014/15	2015/16	2016/17	2017/18	2018/19	2019/20	2020/21	2021/22	2022/23	2023/24
	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%
CHD	3.68	3.64	3.61	3.57	3.53	3.52	3.43	3.46	3.33	3.31	3.27	3.24	3.21	3.20	3.15	3.11	3.08	3.09
Stroke and TIA	1.66	1.66	1.71	1.73	1.76	1.76	1.75	1.76	1.76	1.79	1.81	1.82	1.84	1.86	1.85	1.87	1.89	1.92
Atrial fibrillation	1.30	1.31	1.36	1.40	1.44	1.51	1.52	1.54	1.62	1.72	1.84	1.92	1.99	2.05	2.06	2.10	2.13	2.18
Heart failure	0.80	0.81	0.75	0.74	0.73	0.72	0.72	0.73	0.73	0.78	0.81	0.84	0.93	0.91	0.92	0.96	1.00	1.07

Notes: BHF analysis. Weighted average based on population in each UK nation - trend data used for Scotland for 2023/24, so UK figures for most recent year are estimated

CHD: coronary heart disease. TIA: transient ischaemic attack (mini-stroke)

Citation: BHF (2025) Analysis of UK GP patient register data

Source: NHS England. Quality & Outcomes Framework (QOF) prevalence data to 2023/24
<https://digital.nhs.uk/data-and-information/publications/statistical/quality-and-outcomes-framework-achievement-prevalence-and-exceptions-data/>
Public Health Scotland (previously ISD). Quality & Outcomes Framework (QOF) prevalence data to 2015/16
Subsequent Scotland data to 2023 from SPIRE (now demised)
<https://publichealthscotland.scot/publications/general-practice-disease-prevalence-data-visualisation/>
StatsWales. Quality & Outcomes Framework (QOF) achievement data to 2018/19
<https://www.gov.wales/general-medical-services-contract-quality-assurance-and-improvement-framework>
StatsWales. Quality Assurance and Improvement Framework (QAIF) disease registers to 2024
<https://statswales.gov.wales/Catalogue/Health-and-Social-Care/NHS-Primary-and-Community-Activity/GMS-Contract>
Department of Health Northern Ireland. Quality & Outcomes Framework (QOF) reporting data to 2023/24
<https://www.health-ni.gov.uk/articles/prevalence-statistics>

Table 2.13 Prevalence of selected cardiovascular conditions, England 2004/05 to 2023/24

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	2004/05	2005/06	2006/07	2007/08	2008/09	2009/10	2010/11	2011/12	2012/13	2013/14	2014/15	2015/16	2016/17	2017/18	2018/19	2019/20	2020/21	2021/22	2022/23	2023/24
	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%
CHD	3.60	3.60	3.54	3.50	3.47	3.44	3.40	3.40	3.30	3.34	3.20	3.20	3.15	3.13	3.11	3.10	3.05	3.01	2.99	3.01
Stroke and TIA	1.50	1.60	1.61	1.60	1.66	1.68	1.71	1.70	1.70	1.70	1.70	1.74	1.75	1.77	1.78	1.80	1.80	1.81	1.85	1.88
Atrial fibrillation			1.29	1.30	1.35	1.39	1.43	1.50	1.50	1.52	1.60	1.71	1.84	1.91	1.98	2.04	2.05	2.09	2.13	2.18
Heart failure			0.78	0.80	0.73	0.72	0.71	0.70	0.70	0.71	0.70	0.76	0.79	0.83	0.93	0.89	0.91	0.95	0.99	1.08

Notes: CHD: coronary heart disease. TIA: transient ischaemic attack (mini-stroke)
Citation: NHSE (2024) QOF prevalence data
Source: NHS England. Quality & Outcomes Framework (QOF) prevalence data to 2023/24 [accessed Oct 2024]
<https://digital.nhs.uk/data-and-information/publications/statistical/quality-and-outcomes-framework-achievement-prevalence-and-exceptions-data>

Table 2.14 Prevalence of selected cardiovascular conditions from CVDPREVENT, unadjusted percentages and age-standardised by deprivation quintile, England, Dec 2024

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Condition(s)	Code	All	IMD Quintiles					Age Standardised IMD Quintiles				
			Most deprived quintile	2nd	3rd	4th	Least deprived quintile	Most deprived quintile	2nd	3rd	4th	Least deprived quintile
		%	%	%	%	%	%	%	%	%	%	%
Cardiovascular disease **	<i>CVDP001CVD</i>	6.48	6.31	6.05	6.57	6.84	6.71	8.55	7.19	6.40	5.96	5.45
Heart failure (HF)	<i>CVDP001HF</i>	1.32	1.28	1.24	1.35	1.40	1.36	1.76	1.47	1.31	1.20	1.08
Atrial fibrillation (AF)	<i>CVDP001AF</i>	2.58	1.88	2.15	2.70	3.05	3.24	2.65	2.58	2.61	2.62	2.59

Notes: CVDPREVENT = Cardiovascular Disease Prevention Audit. Produced by Office for Health Improvement and Disparities (OHID) and the NHS Benchmarking Network.
All data are diagnosed, adults 18 and over [accessed Apr 2025]
** includes CHD (coronary heart disease), stroke/TIA (transient ischaemic attack), PAD (peripheral arterial disease), heart failure and AAA (abdominal aortic aneurysm)
this is a narrower definition than health surveys; the latter are inclusive and also self-declared, and therefore show much higher prevalence rates

Citation: OHID/NHS (2025) Analysis of England GP prevalence data

Source: CVDPREVENT data (OHID & NHS England 2025)
<https://www.cvdprevent.nhs.uk/data-explorer>

Table 2.15 Prevalence of selected cardiovascular conditions from CVDPREVENT, unadjusted percentages by sex and age, plus age-standardised by sex, England, Dec 2024

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Condition(s)	Code	All Adults					Male					Female					Age Standardised		
																	All	Male	Female
		All 18+	18-39	40-59	60-79	80+	Male 18+	18-39	40-59	60-79	80+	Female 18+	18-39	40-59	60-79	80+	%	%	%
Cardiovascular disease **	CVDP001CVD	6.48	0.20	2.80	14.69	33.18	7.93	0.23	3.70	19.77	40.11	5.04	0.17	1.85	9.87	28.22	6.85	8.97	4.92
Heart failure (HF)	CVDP001HF	1.32	0.05	0.44	2.55	9.18	1.55	0.06	0.60	3.39	10.81	1.09	0.04	0.27	1.75	8.01	1.39	1.79	1.04
Atrial fibrillation (AF)	CVDP001AF	2.58	0.07	0.66	5.21	18.20	3.05	0.10	0.94	6.91	21.68	2.11	0.03	0.37	3.60	15.70	2.71	3.52	2.01

Notes: CVDPREVENT = Cardiovascular Disease Prevention Audit. Produced by Office for Health Improvement and Disparities (OHID) and the NHS Benchmarking Network.
All data are diagnosed, adults 18 and over [accessed Apr 2025]
** includes CHD (coronary heart disease), stroke/TIA (transient ischaemic attack), PAD (peripheral arterial disease), heart failure and AAA (abdominal aortic aneurysm)
this is a narrower definition than health surveys; the latter are inclusive and also self-declared, and therefore show much higher prevalence rates

Citation: OHID/NHS (2025) Analysis of England GP prevalence data

Source: CVDPREVENT data (OHID & NHS England 2025)
<https://www.cvdprevent.nhs.uk/data-explorer>

Table 2.16 Prevalence of cardiovascular conditions from GP patient registers, diagnosed percentages by deprivation decile, England , latest available

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	Year	IMD Geography	IMD Deciles										
			ALL	Most deprived	2nd	3rd	4th	5th	6th	7th	8th	9th	Least deprived
			%	%	%	%	%	%	%	%	%	%	%
CHD	2023/24	2023 districts/UA	2.97	2.99	2.90	2.69	3.20	3.05	2.91	3.30	3.16	2.92	2.76
Stroke and TIA	2022/23	2023 districts/UA	1.85	1.70	1.80	1.65	2.01	1.92	1.83	2.07	2.02	1.94	1.80
Atrial fibrillation (AF)	2023/24	2023 county/UA	2.18	1.64	1.96	1.83	1.61	2.10	2.27	2.59	2.42	2.56	2.31
Heart failure (HF)	2023/24	2023 county/UA	1.06	0.95	1.11	1.00	0.95	1.11	1.09	1.20	1.06	1.14	0.94

Notes:

CHD: coronary heart disease. TIA: transient ischaemic attack (mini-stroke) IMD: index of multiple deprivation

NB diagnosis gaps for many condition (e.g. high blood pressure) are often thought to be highest in areas of greatest deprivation

See also age-standardised data from CVDPrevent Table 2.14

Citation:

OHID (2024) Analysis of NHSE QOF data

Source:

OHID analysis of QOF prevalence data (NHS England 2024); deprivation deciles in England based on IMD 2019

<https://digital.nhs.uk/data-and-information/publications/statistical/quality-and-outcomes-framework-achievement-prevalence-and-exceptions-data>

<https://fingertips.phe.org.uk/> [accessed Apr 2025; updated for stroke not available]

Table 2.17 Prevalence of selected cardiovascular conditions, Scotland 2008/09 to 2022/23

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	2008/09	2009/10	2010/11	2011/12	2012/13	2013/14	2014/15	2015/16	2016/17	2017/18	2018/19	2019/20	2020/21	2021/22	2022/23
	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%
CHD	4.42	4.38	4.37	4.36	4.29	4.26	4.14	4.10	4.03	3.9	3.9	3.8	3.8	3.7	3.6
Stroke and TIA	2.02	2.06	2.10	2.15	2.12	2.16	2.16	2.20	2.23	2.3	2.3	2.3	2.2	2.2	2.2
Atrial fibrillation	1.32	1.37	1.42	1.49	1.53	1.59	1.64	1.71	1.77	1.8	1.9	1.9	1.9	1.9	1.9
Heart failure	0.84	0.82	0.81	0.81	0.82	0.83	0.82	0.85	0.84	0.9	0.9	0.9	0.9	0.9	0.9

Notes: CHD: coronary heart disease. TIA: transient ischaemic attack (mini-stroke)

Citation: BHF (2024) Analysis of Scottish disease prevalence data

Source: Public Health Scotland (previously ISD). Quality & Outcomes Framework (QOF) prevalence data to 2015/16

Subsequent data from SPIRE (now demised) - 2023 updates (for 2017 to 2023) published to one decimal place only

<https://publichealthscotland.scot/publications/general-practice-disease-prevalence-data-visualisation/>

Table 2.18 Prevalence of selected cardiovascular conditions, Wales 2006/07 to 2024

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	2006/07	2007/08	2008/09	2009/10	2010/11	2011/12	2012/13	2013/14	2014/15	2015/16	2016/17	2017/18	2018/19	2019/20	2020/21	2021/22	2023	2024
	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%
CHD	4.30	4.20	4.20	4.10	4.00	4.00	3.90	3.88	3.80	3.75	3.70	3.66	3.63	3.61	3.53	3.47	3.45	3.43
Stroke and TIA	2.00	2.00	2.00	2.00	2.10	2.10	2.00	2.02	2.00	2.05	2.07	2.09	2.12	2.17	2.15	2.15	2.18	2.18
Atrial fibrillation	1.60	1.60	1.70	1.70	1.70	1.80	1.80	1.91	2.00	2.03	2.10	2.24	2.34	2.43	2.44	2.49	2.53	2.56
Heart failure	1.00	0.90	0.90	0.90	0.90	0.90	0.90	0.95	1.00	0.99	1.01	1.03	1.06	1.11	1.13	1.17	1.24	1.28

Notes: CHD: coronary heart disease TIA: transient ischaemic attack (mini-stroke)
2023 is a 1 Oct 2023 snapshot; 2024 is labelled 1 Apr 2024

Citation: BHF (2025) Analysis of Welsh disease prevalence data

Source: StatsWales. Quality & Outcomes Framework (QOF) achievement data to 2018/19
<https://www.gov.wales/general-medical-services-contract-quality-assurance-and-improvement-framework>
StatsWales. Quality Assurance and Improvement Framework (QAIF) disease registers 2019/20 onwards [accessed Apr 2025]
<https://statswales.gov.wales/Catalogue/Health-and-Social-Care/NHS-Primary-and-Community-Activity/GMS-Contract>

Table 2.19 Prevalence of cardiovascular conditions from GP patient registers, by sex and age, Wales 2024

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ALL	15 to 19 %	20 to 24 %	25 to 29 %	30 to 34 %	35 to 39 %	40 to 44 %	45 to 49 %	50 to 54 %	55 to 59 %	60 to 64 %	65 to 69 %	70 to 74 %	75 to 79 %	80 to 84 %	85 to 89 %	90 to 94 %	95 and over %
CHD	0.01	0.02	0.04	0.06	0.15	0.40	0.89	1.80	3.2	5.2	7.6	10.2	13.4	17.1	19.9	20.8	20.9
Stroke and TIA	0.04	0.05	0.09	0.15	0.21	0.39	0.68	1.20	2.0	2.8	4.1	5.8	8.2	11.4	14.4	16.4	18.0
Atrial fibrillation	0.00	0.02	0.04	0.08	0.17	0.25	0.46	0.80	1.4	2.4	4.2	6.9	10.8	16.0	21.2	24.1	23.6
Heart failure	0.02	0.04	0.06	0.09	0.14	0.21	0.33	0.58	0.9	1.4	2.1	3.2	4.8	7.4	10.3	12.5	12.5
MALE	15 to 19 %	20 to 24 %	25 to 29 %	30 to 34 %	35 to 39 %	40 to 44 %	45 to 49 %	50 to 54 %	55 to 59 %	60 to 64 %	65 to 69 %	70 to 74 %	75 to 79 %	80 to 84 %	85 to 89 %	90 to 94 %	95 and over %
CHD	0.01	0.02	0.04	0.09	0.20	0.58	1.26	2.61	4.6	7.5	10.9	14.5	18.5	23.2	26.6	27.9	29.1
Stroke and TIA	0.05	0.07	0.08	0.14	0.23	0.40	0.71	1.32	2.3	3.3	5.0	6.9	9.8	13.1	16.0	18.4	20.1
Atrial fibrillation	0.01	0.03	0.06	0.12	0.24	0.39	0.70	1.16	2.0	3.5	5.8	9.3	14.0	19.6	25.3	28.0	28.0
Heart failure	0.02	0.05	0.08	0.12	0.20	0.26	0.41	0.77	1.2	1.9	2.9	4.3	6.3	9.1	12.4	14.9	14.3
FEMALE	15 to 19 %	20 to 24 %	25 to 29 %	30 to 34 %	35 to 39 %	40 to 44 %	45 to 49 %	50 to 54 %	55 to 59 %	60 to 64 %	65 to 69 %	70 to 74 %	75 to 79 %	80 to 84 %	85 to 89 %	90 to 94 %	95 and over %
CHD	0.01	0.02	0.03	0.03	0.09	0.22	0.50	0.97	1.8	2.9	4.4	6.1	8.8	12.2	15.1	16.9	17.9
Stroke and TIA	0.03	0.04	0.09	0.15	0.20	0.39	0.65	1.07	1.6	2.4	3.3	4.7	6.9	10.0	13.2	15.3	17.3
Atrial fibrillation	0.00	0.02	0.01	0.04	0.09	0.11	0.20	0.44	0.8	1.4	2.7	4.7	8.0	13.0	18.3	22.0	22.0
Heart failure	0.02	0.03	0.04	0.07	0.09	0.15	0.24	0.38	0.6	0.8	1.4	2.2	3.5	5.9	8.8	11.2	11.9

Notes: CHD: coronary heart disease. TIA: transient ischaemic attack (mini-stroke)

Citation: StatsWales (2024) Welsh disease prevalence data

Source: StatsWales. Disease prevalence rates by age band and gender (Audit+) 1 April 2024 [accessed Apr 2025]
<https://statswales.gov.wales/Catalogue/Health-and-Social-Care/NHS-Primary-and-Community-Activity/GMS-Contract>

Table 2.20 Prevalence of selected cardiovascular conditions, Northern Ireland 2004/05 to 2023/24

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	2004/05	2005/06	2006/07	2007/08	2008/09	2009/10	2010/11	2011/12	2012/13	2013/14	2014/15	2015/16	2016/17	2017/18	2018/19	2019/20	2020/21	2021/22	2022/23	2023/24
	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%
CHD	4.17	4.23	4.20	4.14	4.06	4.03	3.99	3.94	3.91	3.88	3.84	3.82	3.78	3.75	3.73	3.70	3.69	3.66	3.67	3.67
Stroke and TIA	1.41	1.57	1.62	1.65	1.68	1.71	1.75	1.78	1.75	1.79	1.81	1.85	1.87	1.89	1.93	1.90	1.95	1.96	1.98	2.02
Atrial fibrillation			1.25	1.26	1.29	1.33	1.38	1.43	1.45	1.51	1.59	1.68	1.77	1.89	1.98	2.07	2.09	2.14	2.22	2.30
Heart failure			0.82	0.80	0.75	0.76	0.76	0.75	0.75	0.76	0.78	0.80	0.85	0.88	0.92	0.97	0.96	0.98	1.00	1.06

Notes: CHD: coronary heart disease. TIA: transient ischaemic attack (also known as mini-stroke)
Citation: BHF (2024) Analysis of NI disease prevalence data
Source: Department of Health Northern Ireland. Quality & Outcomes Framework (QOF) reporting data to 2023/24
<https://www.health-ni.gov.uk/articles/prevalence-statistics>

Table 2.21 Prevalence of cardiovascular conditions from GP patient registers, by UK local authority, latest available

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region/nation tables see 2.11

region/nation tables see 2.11					GP PREVALENCE DATA (PATIENT REGISTERS & PERCENTAGE OF LIST)										BHF Heart & Circulatory Diseases (CVD) Estimate	
					Patient List (all ages)	Coronary Heart Disease Register		Stroke/TIA Register		Heart Failure Register		Atrial Fibrillation Register		PAD Register		
LA Code	LA/DC/UA	Ceremonial County (Eng/Wal)	Region/Nation	4N	Total	%	Total	%	Total	%	Total	%	Total	%	Total	% popn
E06000055	Bedford	Bedfordshire	East of England	ENG	202,268	5,535 2.7%	3,343 1.7%	2,097 1.0%	3,988 2.0%	939 0.5%	19,000 10%					
E06000056	Central Bedfordshire	Bedfordshire	East of England	ENG	295,206	8,520 2.9%	5,072 1.7%	2,618 0.9%	6,555 2.2%	1,274 0.4%	28,000 9%					
E06000032	Luton	Bedfordshire	East of England	ENG	289,215	6,984 2.4%	3,727 1.3%	1,900 0.7%	3,379 1.2%	918 0.3%	20,000 9%					
E06000036	Bracknell Forest	Berkshire	South East	ENG	132,559	3,151 2.4%	1,835 1.4%	1,116 0.8%	2,543 1.9%	506 0.4%	11,000 9%					
E06000038	Reading	Berkshire	South East	ENG	248,559	4,427 1.8%	2,938 1.2%	2,087 0.8%	3,485 1.4%	703 0.3%	16,000 9%					
E06000039	Slough	Berkshire	South East	ENG	183,145	4,692 2.6%	1,997 1.1%	1,469 0.8%	1,739 0.9%	610 0.3%	12,000 7%					
E06000037	West Berkshire	Berkshire	South East	ENG	158,023	4,003 2.5%	2,749 1.7%	1,726 1.1%	3,795 2.4%	710 0.4%	15,000 9%					
E06000040	Windsor and Maidenhead	Berkshire	South East	ENG	177,219	5,019 2.8%	3,002 1.7%	2,051 1.2%	4,134 2.3%	657 0.4%	17,000 11%					
E06000041	Wokingham	Berkshire	South East	ENG	169,077	3,842 2.3%	2,551 1.5%	1,679 1.0%	3,662 2.2%	484 0.3%	14,000 8%					
E06000023	Bristol, City of	Bristol	South West	ENG	580,701	12,906 2.2%	8,761 1.5%	5,280 0.9%	9,485 1.6%	2,819 0.5%	46,000 10%					
E06000060	Buckinghamshire	Buckinghamshire	South East	ENG	590,285	17,464 2.9%	10,482 1.8%	5,612 0.7%	14,421 2.2%	2,595 0.4%	59,000 10%					
E06000042	Milton Keynes	Buckinghamshire	South East	ENG	344,538	7,354 2.1%	3,886 1.1%	2,978 0.9%	5,623 1.6%	1,241 0.4%	25,000 8%					
E07000008	Cambridge	Cambridgeshire	East of England	ENG	213,314	3,623 1.7%	2,107 1.0%	1,150 0.5%	2,828 1.3%	700 0.3%	12,000 8%					
E07000009	East Cambridgeshire	Cambridgeshire	East of England	ENG	94,007	3,134 3.3%	1,685 1.8%	1,283 1.4%	2,544 2.7%	514 0.5%	11,000 12%					
E07000010	Fenland	Cambridgeshire	East of England	ENG	119,474	4,460 3.7%	2,576 2.2%	1,386 1.2%	3,024 2.5%	815 0.7%	14,000 14%					
E07000011	Huntingdonshire	Cambridgeshire	East of England	ENG	196,185	6,222 3.2%	3,577 1.8%	2,457 1.3%	4,884 2.5%	1,083 0.6%	21,000 11%					
E06000031	Peterborough	Cambridgeshire	East of England	ENG	244,299	5,875 2.4%	3,363 1.4%	1,914 0.8%	3,650 1.5%	1,284 0.5%	19,000 9%					
E07000012	South Cambridgeshire	Cambridgeshire	East of England	ENG	163,179	5,030 3.1%	2,731 1.7%	1,577 1.0%	4,105 2.5%	705 0.4%	17,000 10%					
E06000049	Cheshire East	Cheshire	North West	ENG	431,515	14,829 3.4%	10,098 2.3%	6,832 1.6%	12,556 2.9%	3,070 0.7%	56,000 14%					
E06000050	Cheshire West and Chester	Cheshire	North West	ENG	383,861	13,260 3.5%	8,196 2.1%	5,377 1.4%	11,247 2.9%	2,731 0.7%	48,000 13%					
E06000006	Halton	Cheshire	North West	ENG	136,056	5,888 4.3%	2,888 2.1%	1,791 1.3%	3,642 2.7%	1,205 0.9%	18,000 14%					
E06000007	Warrington	Cheshire	North West	ENG	229,125	7,729 3.4%	4,562 2.0%	2,500 1.1%	5,591 2.4%	1,589 0.7%	26,000 12%					
E06000052	Cornwall	Cornwall	South West	ENG	601,123	27,213 4.5%	18,143 3.0%	10,556 1.8%	19,444 3.2%	4,319 0.7%	93,000 16%					
E06000053	Isles of Scilly	Cornwall	South West	ENG	2,400	83 3.5%	52 2.2%	30 1.3%	56 2.3%	20 0.8%	300 13%					
E06000047	County Durham	County Durham	North East	ENG	566,492	23,721 4.2%	14,628 2.6%	9,864 1.7%	14,776 2.6%	5,178 0.9%	80,000 15%					
E06000005	Darlington	County Durham	North East	ENG	113,856	3,820 3.4%	2,597 2.3%	2,065 1.8%	2,799 2.5%	1,024 0.9%	14,000 13%					
E06000001	Hartlepool	County Durham	North East	ENG	98,927	4,063 4.1%	2,314 2.3%	1,205 1.2%	2,408 2.4%	831 0.8%	13,000 14%					
E06000004	Stockton-on-Tees	County Durham	North East	ENG	209,702	7,616 3.6%	4,873 2.3%	2,401 1.1%	5,268 2.5%	1,455 0.7%	25,000 12%					
E06000063	Cumberland	Cumbria	North West	ENG	287,416	13,489 4.7%	7,884 2.7%	4,310 1.5%	8,302 2.9%	2,933 1.0%	43,000 16%					
E06000064	Westmorland & Furness	Cumbria	North West	ENG	234,260	9,174 3.9%	6,139 2.6%	2,905 1.2%	7,271 3.1%	2,096 0.9%	32,000 14%					
E07000032	Amber Valley	Derbyshire	East Midlands	ENG	142,829	5,378 3.8%	3,727 2.6%	2,084 1.5%	4,080 2.9%	1,302 0.9%	19,000 15%					
E07000033	Bolsover	Derbyshire	East Midlands	ENG	96,980	3,702 3.8%	2,264 2.3%	1,243 1.3%	2,576 2.7%	742 0.8%	12,000 14%					
E07000034	Chesterfield	Derbyshire	East Midlands	ENG	115,472	4,423 3.8%	2,862 2.5%	1,407 1.2%	3,282 2.8%	1,069 0.9%	15,000 14%					
E06000015	Derby	Derbyshire	East Midlands	ENG	315,605	9,057 2.9%	5,809 1.8%	3,734 1.2%	5,863 1.9%	2,020 0.6%	31,000 12%					
E07000035	Derbyshire Dales	Derbyshire	East Midlands	ENG	77,404	2,869 3.7%	2,072 2.7%	1,259 1.6%	2,749 3.6%	673 0.9%	11,000 15%					
E07000036	Erewash	Derbyshire	East Midlands	ENG	114,263	3,770 3.3%	2,619 2.3%	1,537 1.3%	3,003 2.6%	886 0.8%	14,000 12%					
E07000037	High Peak	Derbyshire	East Midlands	ENG	97,561	3,853 3.9%	2,558 2.6%	1,722 1.8%	2,905 3.0%	804 0.8%	14,000 15%					
E07000038	North East Derbyshire	Derbyshire	East Midlands	ENG	80,873	3,292 4.1%	2,277 2.8%	1,247 1.5%	2,425 3.0%	711 0.9%	12,000 11%					
E07000039	South Derbyshire	Derbyshire	East Midlands	ENG	96,963	2,932 3.0%	2,018 2.1%	1,222 1.3%	2,331 2.4%	706 0.7%	11,000 10%					
E07000040	East Devon	Devon	South West	ENG	133,906	6,003 4.5%	4,016 3.0%	2,510 1.9%	5,427 4.1%	1,054 0.8%	22,000 14%					
E07000041	Exeter	Devon	South West	ENG	166,407	4,215 2.5%	2,728 1.6%	1,480 0.9%	3,330 2.0%	772 0.5%	15,000 11%					
E07000042	Mid Devon	Devon	South West	ENG	97,188	3,607 3.7%	2,337 2.4%	1,218 1.3%	3,028 3.1%	571 0.6%	13,000 15%					
E07000043	North Devon	Devon	South West	ENG	112,269	5,194 4.6%	3,333 3.0%	1,393 1.2%	3,515 3.1%	869 0.8%	17,000 17%					
E06000026	Plymouth	Devon	South West	ENG	304,453	11,234 3.7%	6,330 2.1%	4,165 1.4%	7,369 2.4%	2,086 0.7%	37,000 14%					
E07000044	South Hams	Devon	South West	ENG	67,000	2,735 4.1%	1,977 3.0%	968 1.4%	2,571 3.8%	504 0.8%	10,000 11%					
E07000045	Teignbridge	Devon	South West	ENG	134,882	5,200 3.9%	3,659 2.7%	1,499 1.1%	4,484 3.3%	1,094 0.8%	19,000 14%					
E06000027	Torbay	Devon	South West	ENG	148,816	6,141 4.1%	4,055 2.7%	2,050 1.4%	4,972 3.3%	1,439 1.0%	22,000 16%					
E07000046	Torridge	Devon	South West	ENG	74,145	3,708 5.0%	2,385 3.2%	905 1.2%	2,503 3.4%	561 0.8%	12,000 17%					
E07000047	West Devon	Devon	South West	ENG	54,671	2,431 4.4%	1,539 2.8%	859 1.6%	1,901 3.5%	377 0.7%	8,300 14%					
E06000058	Bournemouth, Christchurch and Poole	Dorset	South West	ENG	466,596	17,407 3.7%	10,987 2.4%	6,756 1.4%	12,772 2.7%	2,680 0.6%	59,000 15%					
E06000059	Dorset	Dorset	South West	ENG	371,310	17,776 4.8%	10,684 2.9%	6,284 1.7%	14,304 3.9%	2,651 0.7%	61,000 16%					
E06000043	Brighton and Hove	East Sussex	South East	ENG	333,277	6,968 2.1%	4,552 1.4%	2,261 0.7%	5,478 1.6%	1,346 0.4%	24,000 9%					
E07000061	Eastbourne	East Sussex	South East	ENG	110,064	3,707 3.4%	2,774 2.5%	1,302 1.2%	3,700 3.4%	768 0.7%	14,000 13%					
E07000062	Hastings	East Sussex	South East	ENG	101,286	3,589 3.5%	2,392 2.4%	1,325 1.3%	2,864 2.8%	763 0.8%	13,000 14%					
E07000063	Lewes	East Sussex	South East	ENG	92,240	3,509 3.8%	2,452 2.7%	1,053 1.1%	3,167 3.4%	737 0.8%	13,000 13%					
E07000064	Rother	East Sussex	South East	ENG	93,018	4,272 4.6%	3,000 3.2%	1,569 1.7%	4,097 4.4%	822 0.9%	16,000 17%					
E07000065	Wealden	East Sussex	South East	ENG	178,598	5,825 3.3%	4,264 2.4%	1,792 1.0%	6,126 3.4%	1,008 0.6%	22,000 13%					
E07000066	Basildon	Essex	East of England	ENG	212,353	5,664 2.7%	3,962 1.9%	2,215 1.0%	4,120 1.9%	978 0.5%	20,000 10%					
E07000067	Braintree	Essex	East of England	ENG	147											

Table 2.21 Prevalence of cardiovascular conditions from GP patient registers, by UK local authority, latest available

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region/nation tables see 2.11

region/nation tables see 2.11					GP PREVALENCE DATA (PATIENT REGISTERS & PERCENTAGE OF LIST)										BHF Heart & Circulatory Diseases (CVD) Estimate	
					Patient List (all ages)	Coronary Heart Disease Register		Stroke/TIA Register		Heart Failure Register		Atrial Fibrillation Register		PAD Register		Total
LA Code	LA/DC/UA	Ceremonial County (Eng/Wal)	Region/Nation	4N	Total	%	Total	%	Total	%	Total	%	Total	%	Total	% popn
E08000004	Oldham	Greater Manchester	North West	ENG	256,443	7,365 2.9%	4,774 1.9%	2,730 1.1%	4,377 1.7%	1,830 0.7%	25,000	10%				
E08000005	Rochdale	Greater Manchester	North West	ENG	249,631	7,983 3.2%	4,885 2.0%	2,714 1.1%	4,570 1.8%	2,010 0.8%	26,000	11%				
E08000006	Salford	Greater Manchester	North West	ENG	316,868	8,529 2.7%	5,380 1.7%	2,679 0.8%	5,422 1.7%	2,373 0.7%	29,000	10%				
E08000007	Stockport	Greater Manchester	North West	ENG	326,911	11,361 3.5%	7,357 2.3%	4,118 1.3%	8,049 2.5%	2,167 0.7%	39,000	13%				
E08000008	Tameside	Greater Manchester	North West	ENG	237,329	8,777 3.7%	4,849 2.0%	2,792 1.2%	4,879 2.1%	1,966 0.8%	27,000	12%				
E08000009	Trafford	Greater Manchester	North West	ENG	248,678	7,860 3.2%	4,947 2.0%	2,731 1.1%	5,873 2.4%	1,511 0.6%	27,000	11%				
E08000010	Wigan	Greater Manchester	North West	ENG	348,197	12,888 3.7%	7,347 2.1%	4,163 1.2%	8,627 2.5%	2,493 0.7%	42,000	12%				
E07000084	Basingstoke and Deane	Hampshire	South East	ENG	187,880	4,551 2.4%	3,321 1.8%	1,298 0.7%	3,820 2.0%	908 0.5%	16,000	8%				
E07000085	East Hampshire	Hampshire	South East	ENG	124,948	3,974 3.2%	2,762 2.2%	1,391 1.1%	3,611 2.9%	734 0.6%	15,000	12%				
E07000086	Eastleigh	Hampshire	South East	ENG	124,176	3,407 2.7%	2,487 2.0%	1,480 1.2%	3,039 2.4%	563 0.5%	13,000	9%				
E07000087	Fareham	Hampshire	South East	ENG	123,615	4,489 3.6%	2,874 2.3%	2,148 1.7%	3,802 3.1%	719 0.6%	16,000	14%				
E07000088	Gosport	Hampshire	South East	ENG	85,270	3,161 3.7%	1,933 2.3%	1,531 1.8%	2,447 2.9%	677 0.8%	11,000	13%				
E07000089	Hart	Hampshire	South East	ENG	109,763	3,271 3.0%	1,998 1.8%	980 0.9%	2,906 2.6%	495 0.5%	11,000	11%				
E07000090	Havant	Hampshire	South East	ENG	131,300	5,194 4.0%	3,284 2.5%	2,289 1.7%	4,140 3.2%	1,011 0.8%	19,000	15%				
E07000091	New Forest	Hampshire	South East	ENG	188,563	8,359 4.4%	5,767 3.1%	3,896 2.1%	7,595 4.0%	1,409 0.7%	32,000	18%				
E06000044	Portsmouth	Hampshire	South East	ENG	235,804	6,202 2.6%	4,015 1.7%	3,081 1.3%	4,550 1.9%	1,711 0.7%	23,000	11%				
E07000092	Rushmoor	Hampshire	South East	ENG	113,845	2,755 2.4%	1,696 1.5%	1,243 1.1%	2,181 1.9%	530 0.5%	10,000	10%				
E06000045	Southampton	Hampshire	South East	ENG	331,832	7,174 2.2%	5,050 1.5%	2,948 0.9%	5,466 1.6%	1,724 0.5%	26,000	10%				
E07000093	Test Valley	Hampshire	South East	ENG	117,848	3,306 2.8%	2,613 2.2%	1,255 1.1%	3,186 2.7%	584 0.5%	13,000	10%				
E07000094	Winchester	Hampshire	South East	ENG	132,979	3,670 2.8%	2,933 2.2%	1,470 1.1%	3,795 2.9%	605 0.5%	15,000	11%				
E06000019	Herefordshire, County of	Herefordshire	West Midlands	ENG	194,551	6,926 3.6%	4,993 2.6%	2,554 1.3%	6,012 3.1%	1,271 0.7%	26,000	14%				
E07000095	Broxbourne	Hertfordshire	East of England	ENG	108,231	3,021 2.8%	1,901 1.8%	938 0.9%	2,330 2.2%	491 0.5%	10,000	10%				
E07000096	Dacorum	Hertfordshire	East of England	ENG	177,206	4,783 2.7%	2,819 1.6%	1,412 0.8%	3,896 2.2%	862 0.5%	16,000	10%				
E07000242	East Hertfordshire	Hertfordshire	East of England	ENG	157,704	4,082 2.6%	2,615 1.7%	1,458 0.9%	3,583 2.3%	714 0.5%	15,000	10%				
E07000098	Hertsmere	Hertfordshire	East of England	ENG	177,069	5,010 2.8%	2,803 1.6%	1,603 0.9%	3,626 2.0%	695 0.4%	16,000	15%				
E07000099	North Hertfordshire	Hertfordshire	East of England	ENG	126,097	3,408 2.7%	2,415 1.9%	969 0.8%	3,015 2.4%	557 0.4%	12,000	9%				
E07000240	St Albans	Hertfordshire	East of England	ENG	166,807	3,961 2.4%	2,429 1.5%	1,053 0.6%	3,332 2.0%	488 0.3%	13,000	9%				
E07000243	Stevenage	Hertfordshire	East of England	ENG	103,285	2,550 2.5%	1,660 1.6%	820 0.8%	1,890 1.8%	449 0.4%	8,600	10%				
E07000102	Three Rivers	Hertfordshire	East of England	ENG	81,242	2,381 2.9%	1,451 1.8%	823 1.0%	1,941 2.4%	367 0.5%	8,200	9%				
E07000103	Watford	Hertfordshire	East of England	ENG	84,450	1,877 2.2%	1,065 1.3%	559 0.7%	1,157 1.4%	286 0.3%	5,800	6%				
E07000241	Welwyn Hatfield	Hertfordshire	East of England	ENG	142,448	3,345 2.3%	2,358 1.7%	1,036 0.7%	2,873 2.0%	593 0.4%	12,000	10%				
E06000046	Isle of Wight	Isle of Wight	South East	ENG	146,011	5,717 3.9%	4,102 2.8%	2,395 1.6%	4,633 3.2%	1,891 1.3%	22,000	16%				
E07000105	Ashford	Kent	South East	ENG	141,262	4,013 2.8%	2,643 1.9%	1,289 0.9%	3,580 2.5%	705 0.5%	14,000	10%				
E07000106	Canterbury	Kent	South East	ENG	187,049	5,178 2.8%	3,755 2.0%	1,489 0.8%	4,867 2.6%	966 0.5%	19,000	12%				
E07000107	Dartford	Kent	South East	ENG	139,479	3,138 2.2%	2,225 1.6%	1,122 0.8%	2,507 1.8%	562 0.4%	11,000	9%				
E07000108	Dover	Kent	South East	ENG	118,520	4,026 3.4%	2,670 2.3%	1,273 1.1%	3,639 3.1%	834 0.7%	15,000	13%				
E07000112	Folkestone and Hythe	Kent	South East	ENG	115,822	4,097 3.5%	2,734 2.4%	1,356 1.2%	3,855 3.3%	757 0.7%	15,000	14%				
E07000109	Gravesham	Kent	South East	ENG	123,540	2,966 2.4%	1,973 1.6%	960 0.8%	2,304 1.9%	473 0.4%	10,000	9%				
E07000110	Maidstone	Kent	South East	ENG	189,720	4,936 2.6%	3,439 1.8%	1,669 0.9%	4,491 2.4%	766 0.4%	18,000	10%				
E06000035	Medway	Kent	South East	ENG	328,881	8,317 2.5%	4,503 1.4%	3,250 1.0%	6,058 1.8%	1,353 0.4%	28,000	10%				
E07000111	Sevenoaks	Kent	South East	ENG	100,054	2,661 2.7%	2,048 2.0%	1,025 1.0%	2,818 2.8%	477 0.5%	11,000	9%				
E07000113	Swale	Kent	South East	ENG	147,177	4,297 2.9%	2,530 1.7%	1,662 1.1%	3,315 2.3%	799 0.5%	15,000	10%				
E07000114	Thanet	Kent	South East	ENG	153,323	5,228 3.4%	3,559 2.3%	1,646 1.1%	4,494 2.9%	1,174 0.8%	19,000	14%				
E07000115	Tonbridge and Malling	Kent	South East	ENG	142,252	3,699 2.6%	2,589 1.8%	1,368 1.0%	3,571 2.5%	731 0.5%	14,000	10%				
E07000116	Tunbridge Wells	Kent	South East	ENG	130,398	3,135 2.4%	2,581 2.0%	1,170 0.9%	3,299 2.5%	586 0.4%	13,000	11%				
E06000008	Blackburn with Darwen	Lancashire	North West	ENG	185,898	6,193 3.3%	3,247 1.7%	1,734 0.9%	3,038 1.6%	1,229 0.7%	18,000	11%				
E06000009	Blackpool	Lancashire	North West	ENG	178,663	7,727 4.3%	4,495 2.5%	3,289 1.8%	4,782 2.7%	1,954 1.1%	26,000	18%				
E07000117	Burnley	Lancashire	North West	ENG	106,373	3,863 3.6%	2,184 2.1%	1,074 1.0%	2,245 2.1%	991 0.9%	12,000	12%				
E07000118	Chorley	Lancashire	North West	ENG	126,669	4,679 3.7%	2,643 2.1%	1,702 1.3%	3,344 2.6%	970 0.8%	16,000	13%				
E07000119	Fylde	Lancashire	North West	ENG	74,852	3,585 4.8%	2,163 2.9%	1,460 2.0%	2,841 3.8%	683 0.9%	13,000	16%				
E07000120	Hyndburn	Lancashire	North West	ENG	81,373	3,126 3.8%	1,734 2.1%	850 1.0%	1,696 2.1%	853 1.0%	9,700	12%				
E07000121	Lancaster	Lancashire	North West	ENG	161,219	5,495 3.4%	3,605 2.2%	1,585 1.0%	3,910 2.4%	1,514 0.9%	19,000	13%				
E07000122	Pendle	Lancashire	North West	ENG	100,323	3,611 3.6%	1,983 2.0%	1,100 1.1%	2,001 2.0%	785 0.8%	11,000	11%				
E07000123	Preston	Lancashire	North West	ENG	154,782	4,491 2.9%	2,689 1.7%	2,113 1.4%	2,712 1.8%	1,044 0.7%	15,000	10%				
E07000124	Ribble Valley	Lancashire	North West	ENG	64,849	2,271 3.5%	1,458 2.2%	900 1.4%	1,928 3.0%	443 0.7%	8,200	13%				
E07000125	Rossendale	Lancashire	North West	ENG	74,935	2,603 3.5%	1,588 2.1%	674 0.9%	1,670 2.2%	693 0.9%	8,500	12%				
E07000126	South Ribble	Lancashire	North West	ENG	118,815	4,134 3.5%	2,509 2.1%	1,843 1.6%	3,248 2.7%	812 0.7%	15,000	13%				
E07000127	West Lancashire															

Table 2.21 Prevalence of cardiovascular conditions from GP patient registers, by UK local authority, latest available

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region/nation tables see 2.11					GP PREVALENCE DATA (PATIENT REGISTERS & PERCENTAGE OF LIST)										BHF Heart & Circulatory Diseases (CVD) Estimate	
					Patient List (all ages)	Coronary Heart Disease Register		Stroke/TIA Register		Heart Failure Register		Atrial Fibrillation Register		PAD Register		Total
LA Code	LA/DC/UA	Ceremonial County (Eng/Wal)	Region/Nation	4N	Total	%	Total	%	Total	%	Total	%	Total	%	Total	% popn
E07000196	South Staffordshire	Staffordshire	West Midlands	ENG	96,052	3,437 3.6%	2,175 2.3%	1,116 1.2%	2,904 3.0%	534 0.6%	12,000 11%					
E07000197	Stafford	Staffordshire	West Midlands	ENG	133,936	4,827 3.6%	3,033 2.3%	1,712 1.3%	3,843 2.9%	869 0.6%	17,000 12%					
E07000198	Staffordshire Moorlands	Staffordshire	West Midlands	ENG	92,429	3,732 4.0%	2,457 2.7%	1,390 1.5%	3,042 3.3%	589 0.6%	13,000 14%					
E06000021	Stoke-on-Trent	Staffordshire	West Midlands	ENG	291,889	9,270 3.2%	6,050 2.1%	3,684 1.3%	6,538 2.2%	2,013 0.7%	32,000 12%					
E07000199	Tamworth	Staffordshire	West Midlands	ENG	92,599	3,121 3.4%	1,803 1.9%	1,034 1.1%	2,299 2.5%	492 0.5%	10,000 12%					
E07000200	Babergh	Suffolk	East of England	ENG	91,594	3,554 3.9%	2,121 2.3%	1,490 1.6%	2,978 3.3%	568 0.6%	13,000 14%					
E07000244	East Suffolk	Suffolk	East of England	ENG	245,795	10,542 4.3%	6,469 2.6%	3,989 1.6%	8,371 3.4%	1,914 0.8%	37,000 15%					
E07000202	Ipswich	Suffolk	East of England	ENG	185,766	5,419 2.9%	3,294 1.8%	2,055 1.1%	3,858 2.1%	1,009 0.5%	18,000 13%					
E07000203	Mid Suffolk	Suffolk	East of England	ENG	101,389	3,590 3.5%	2,304 2.3%	1,396 1.4%	3,107 3.1%	566 0.6%	13,000 12%					
E07000245	West Suffolk	Suffolk	East of England	ENG	202,498	6,654 3.3%	4,000 2.0%	2,580 1.3%	5,507 2.7%	1,173 0.6%	23,000 12%					
E07000207	Elmbridge	Surrey	South East	ENG	153,417	3,499 2.3%	2,490 1.6%	1,097 0.7%	3,493 2.3%	533 0.3%	13,000 9%					
E07000208	Epsom and Ewell	Surrey	South East	ENG	87,153	2,181 2.5%	1,461 1.7%	559 0.6%	1,980 2.3%	347 0.4%	7,700 9%					
E07000209	Guildford	Surrey	South East	ENG	131,054	2,906 2.2%	1,731 1.3%	957 0.7%	2,712 2.1%	439 0.3%	10,000 7%					
E07000210	Mole Valley	Surrey	South East	ENG	96,409	2,980 3.1%	2,112 2.2%	902 0.9%	3,022 3.1%	500 0.5%	11,000 12%					
E07000211	Reigate and Banstead	Surrey	South East	ENG	134,846	3,375 2.5%	2,305 1.7%	1,006 0.7%	3,187 2.4%	553 0.4%	12,000 8%					
E07000212	Runnymede	Surrey	South East	ENG	85,887	2,223 2.6%	1,459 1.7%	741 0.9%	1,893 2.2%	424 0.5%	7,900 9%					
E07000213	Spelthorne	Surrey	South East	ENG	108,816	3,091 2.8%	1,947 1.8%	1,068 1.0%	2,547 2.3%	538 0.5%	11,000 11%					
E07000214	Surrey Heath	Surrey	South East	ENG	113,512	3,117 2.7%	1,997 1.8%	936 0.8%	2,795 2.5%	480 0.4%	11,000 12%					
E07000215	Tandridge	Surrey	South East	ENG	110,988	3,456 3.1%	2,147 1.9%	1,099 1.0%	3,028 2.7%	549 0.5%	12,000 13%					
E07000216	Waverley	Surrey	South East	ENG	161,896	4,869 3.0%	3,043 1.9%	1,740 1.1%	4,840 3.0%	744 0.5%	18,000 14%					
E07000217	Woking	Surrey	South East	ENG	123,838	2,983 2.4%	1,939 1.6%	1,084 0.9%	2,559 2.1%	519 0.4%	11,000 11%					
E08000037	Gateshead	Tyne & Wear	North East	ENG	212,738	7,698 3.6%	5,320 2.5%	2,557 1.2%	5,350 2.5%	1,860 0.9%	27,000 14%					
E08000021	Newcastle upon Tyne	Tyne & Wear	North East	ENG	350,276	9,259 2.6%	6,061 1.7%	3,109 0.9%	5,795 1.7%	2,388 0.7%	31,000 10%					
E08000022	North Tyneside	Tyne & Wear	North East	ENG	220,787	8,482 3.8%	5,765 2.6%	3,547 1.6%	5,664 2.6%	1,885 0.9%	30,000 14%					
E08000023	South Tyneside	Tyne & Wear	North East	ENG	159,837	6,445 4.0%	3,515 2.2%	2,804 1.8%	4,181 2.6%	1,440 0.9%	22,000 15%					
E08000024	Sunderland	Tyne & Wear	North East	ENG	294,330	12,887 4.4%	6,633 2.3%	3,592 1.2%	7,845 2.7%	2,476 0.8%	39,000 14%					
E07000218	North Warwickshire	Warwickshire	West Midlands	ENG	75,511	2,190 2.9%	1,600 2.1%	816 1.1%	1,859 2.5%	361 0.5%	8,000 12%					
E07000219	Nuneaton and Bedworth	Warwickshire	West Midlands	ENG	125,941	3,631 2.9%	2,717 2.2%	1,484 1.2%	2,941 2.3%	770 0.6%	14,000 10%					
E07000220	Rugby	Warwickshire	West Midlands	ENG	122,815	2,813 2.3%	2,059 1.7%	1,065 0.9%	2,442 2.0%	634 0.5%	11,000 9%					
E07000221	Stratford-on-Avon	Warwickshire	West Midlands	ENG	161,029	4,939 3.1%	3,839 2.4%	2,044 1.3%	4,882 3.0%	803 0.5%	19,000 13%					
E07000222	Warwick	Warwickshire	West Midlands	ENG	157,485	4,022 2.6%	3,060 1.9%	1,832 1.2%	3,716 2.4%	807 0.5%	16,000 10%					
E08000025	Birmingham	West Midlands	West Midlands	ENG	1,400,637	35,568 2.5%	18,987 1.4%	10,507 0.8%	19,297 1.4%	5,468 0.4%	100,000 9%					
E08000026	Coventry	West Midlands	West Midlands	ENG	460,364	9,625 2.1%	6,318 1.4%	3,733 0.8%	6,616 1.4%	2,140 0.5%	33,000 9%					
E08000027	Dudley	West Midlands	West Midlands	ENG	350,371	13,825 3.9%	6,831 1.9%	4,080 1.2%	9,296 2.7%	1,914 0.5%	42,000 13%					
E08000028	Sandwell	West Midlands	West Midlands	ENG	353,340	12,194 3.5%	5,495 1.6%	3,693 1.0%	5,846 1.7%	1,847 0.5%	34,000 10%					
E08000029	Solihull	West Midlands	West Midlands	ENG	237,778	7,064 3.0%	4,625 1.9%	2,420 1.0%	5,728 2.4%	1,212 0.5%	25,000 11%					
E08000030	Walsall	West Midlands	West Midlands	ENG	308,912	11,560 3.7%	5,617 1.8%	3,744 1.2%	6,643 2.2%	1,870 0.6%	35,000 12%					
E08000031	Wolverhampton	West Midlands	West Midlands	ENG	308,404	8,627 2.8%	5,240 1.7%	3,409 1.1%	5,458 1.8%	1,582 0.5%	29,000 11%					
E07000223	Adur	West Sussex	South East	ENG	65,342	2,638 4.0%	1,465 2.2%	766 1.2%	2,123 3.2%	521 0.8%	8,800 14%					
E07000224	Arun	West Sussex	South East	ENG	172,089	7,306 4.2%	4,662 2.7%	2,241 1.3%	6,073 3.5%	1,254 0.7%	25,000 15%					
E07000225	Chichester	West Sussex	South East	ENG	118,106	4,285 3.6%	2,951 2.5%	1,388 1.2%	3,852 3.3%	701 0.6%	15,000 12%					
E07000226	Crawley	West Sussex	South East	ENG	144,539	3,990 2.8%	2,096 1.5%	1,226 0.8%	2,404 1.7%	551 0.4%	12,000 10%					
E07000227	Horsham	West Sussex	South East	ENG	154,093	5,028 3.3%	3,255 2.1%	1,364 0.9%	4,531 2.9%	688 0.4%	17,000 11%					
E07000228	Mid Sussex	West Sussex	South East	ENG	165,889	5,170 3.1%	3,526 2.1%	1,718 1.0%	4,697 2.8%	756 0.5%	19,000 12%					
E07000229	Worthing	West Sussex	South East	ENG	119,728	4,451 3.7%	2,847 2.4%	1,410 1.2%	3,666 3.1%	804 0.7%	15,000 13%					
E06000030	Swindon	Wiltshire	South West	ENG	252,528	6,644 2.6%	4,106 1.6%	3,234 1.3%	4,931 2.0%	1,303 0.5%	24,000 10%					
E06000054	Wiltshire	Wiltshire	South West	ENG	515,349	18,178 3.5%	11,724 2.3%	6,754 1.3%	15,255 3.0%	3,123 0.6%	65,000 13%					
E07000234	Bromsgrove	Worcestershire	West Midlands	ENG	100,699	3,296 3.3%	2,306 2.3%	1,106 1.1%	2,802 2.8%	540 0.5%	12,000 12%					
E07000235	Malvern Hills	Worcestershire	West Midlands	ENG	74,559	2,684 3.6%	2,087 2.8%	1,088 1.5%	2,588 3.5%	478 0.6%	10,000 12%					
E07000236	Redditch	Worcestershire	West Midlands	ENG	91,966	2,945 3.2%	1,748 1.9%	897 1.0%	2,027 2.2%	510 0.6%	9,500 11%					
E07000237	Worcester	Worcestershire	West Midlands	ENG	129,578	3,369 2.6%	2,275 1.8%	1,524 1.2%	2,888 2.2%	606 0.5%	13,000 12%					
E07000238	Wychavon	Worcestershire	West Midlands	ENG	126,397	4,356 3.4%	3,014 2.4%	1,489 1.2%	3,917 3.1%	673 0.5%	16,000 12%					
E07000239	Wyre Forest	Worcestershire	West Midlands	ENG	110,375	4,144 3.8%	3,140 2.8%	1,859 1.7%	3,542 3.2%	831 0.8%	16,000 15%					
E06000011	East Riding of Yorkshire	Yorkshire (East Riding)	Yorkshire & The Humber	ENG	332,966	15,386 4.6%	8,467 2.5%	4,835 1.5%	10,857 3.3%	2,807 0.8%	50,000 14%					
E06000010	Kingston upon Hull, City of	Yorkshire (East Riding)	Yorkshire & The Humber	ENG	314,393	10,314 3.3%	4,987 1.6%	2,579 0.8%	5,482 1.7%	2,320 0.7%	30,000 11%					
E06000002	Middlesbrough	Yorkshire (North Yorkshire)	North East	ENG	172,190	5,473 3.2%	3,242 1.9%	1,662 1.0%	3,249 1.9%	1,240 0.7%	17,000 11%					
E06000003	Redcar and Cleveland	Yorkshire (North Yorkshire)	North East	ENG	138,953	5,542 4.0%	3,459 2.5%	1,988 1.4%	3,854 2.8%	1,239 0.9%	19,000 14%					
E06000065	North Yorkshire	Yorkshire (North Yorkshire)	Yorkshire & The Humber	ENG	5											

Table 2.21 Prevalence of cardiovascular conditions from GP patient registers, by UK local authority, latest available

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region/nation tables see 2.11					GP PREVALENCE DATA (PATIENT REGISTERS & PERCENTAGE OF LIST)										BHF Heart & Circulatory Diseases (CVD) Estimate		
LA Code	LA/DC/UA	Ceremonial County (Eng/Wal)	Region/Nation	4N	Patient List (all ages)	Coronary Heart Disease Register		Stroke/TIA Register		Heart Failure Register		Atrial Fibrillation Register		PAD Register		Total	% popn
						Total	%	Total	%	Total	%	Total	%	Total	%		
W06000006	Wrexham / Wrecsam	Clwyd	Wales / Cymru	WAL	140,100	4,769	3.4%	2,974	2.1%	1,710	1.2%	3,419	2.4%			14,000	10%
W06000010	Carmarthenshire / Sir Gaerfyrddin	Dyfed	Wales / Cymru	WAL	177,681	7,256	4.1%	4,485	2.5%	2,505	1.4%	5,692	3.2%			22,000	12%
W06000008	Ceredigion	Dyfed	Wales / Cymru	WAL	94,809	3,555	3.7%	2,134	2.3%	1,471	1.6%	2,857	3.0%			11,000	15%
W06000009	Pembrokeshire / Sir Benfro	Dyfed	Wales / Cymru	WAL	124,000	4,618	3.7%	3,130	2.5%	1,692	1.4%	4,282	3.5%			15,000	12%
W06000019	Blaenau Gwent	Gwent	Wales / Cymru	WAL	72,817	2,869	3.9%	1,654	2.3%	1,143	1.6%	1,739	2.4%			8,300	12%
W06000018	Caerphilly / Caerffili	Gwent	Wales / Cymru	WAL	187,358	6,648	3.5%	3,816	2.0%	2,050	1.1%	4,436	2.4%			18,000	10%
W06000021	Monmouthshire / Sir Fynwy	Gwent	Wales / Cymru	WAL	104,999	3,831	3.6%	2,766	2.6%	1,833	1.7%	3,428	3.3%			13,000	14%
W06000022	Newport / Casnewydd	Gwent	Wales / Cymru	WAL	168,524	4,715	2.8%	2,878	1.7%	1,561	0.9%	3,239	1.9%			13,000	8%
W06000020	Torfaen / Tor-faen	Gwent	Wales / Cymru	WAL	98,616	3,590	3.6%	2,079	2.1%	1,306	1.3%	2,496	2.5%			10,000	11%
W06000002	Gwynedd	Gwynedd	Wales / Cymru	WAL	125,133	3,830	3.1%	2,554	2.0%	1,336	1.1%	3,045	2.4%			12,000	10%
W06000001	Isle of Anglesey / Ynys Môn	Gwynedd	Wales / Cymru	WAL	66,307	2,499	3.8%	1,768	2.7%	819	1.2%	1,908	2.9%			7,600	11%
W06000013	Bridgend / Pen-y-bont ar Ogwr	Mid Glamorgan / Morgannwg Ganol	Wales / Cymru	WAL	163,001	6,238	3.8%	4,494	2.8%	2,325	1.4%	4,688	2.9%			19,000	13%
W06000024	Merthyr Tydfil / Merthyr Tudful	Mid Glamorgan / Morgannwg Ganol	Wales / Cymru	WAL	62,008	2,140	3.5%	1,333	2.1%	680	1.1%	1,515	2.4%			6,100	10%
W06000016	Rhondda Cynon Taf	Mid Glamorgan / Morgannwg Ganol	Wales / Cymru	WAL	248,921	8,824	3.5%	5,349	2.1%	2,336	0.9%	6,242	2.5%			25,000	10%
W06000023	Powys	Powys	Wales / Cymru	WAL	142,287	5,816	4.1%	3,949	2.8%	2,463	1.7%	4,442	3.1%			18,000	13%
W06000015	Cardiff / Caerdydd	South Glamorgan / De Morgannwg	Wales / Cymru	WAL	407,318	9,774	2.4%	6,448	1.6%	4,095	1.0%	6,922	1.7%			29,000	8%
W06000014	Vale of Glamorgan / Bro Morgannwg	South Glamorgan / De Morgannwg	Wales / Cymru	WAL	135,830	4,257	3.1%	2,968	2.2%	1,882	1.4%	3,546	2.6%			14,000	10%
W06000012	Neath/Castell-nedd Port Talbot	West Glamorgan / Gorllewin Morgannwg	Wales / Cymru	WAL	147,135	5,381	3.7%	3,307	2.2%	2,325	1.6%	3,857	2.6%			16,000	11%
W06000011	Swansea / Abertawe	West Glamorgan / Gorllewin Morgannwg	Wales / Cymru	WAL	263,306	8,151	3.1%	5,634	2.1%	3,789	1.4%	6,401	2.4%			26,000	11%

Notes: TIA = transient ischaemic attacks; PAD = peripheral arterial disease Local authorities updated to April 2025 region/nation totals see Table 2.11

These data show total numbers of people on GP patient registers in each area. GPs allocated to region and nation by main office postcode (BHF analysis using CACI InSite)
With BHF analysis - adjustments have been made where active practices did not file patient data in the latest available year (previous data features instead)
BHF CVD estimates based on latest prevalence data; NHS England/PH Scotland/StatsWales/DH Northern Ireland and health surveys: NHS England and Welsh/Scottish Government; plus ONS population estimates
- CVD estimate shows percentage of population (latest ONS/NRS/NISRA estimates) and not a proportion of the list size

Citation: BHF (2025) Analysis of UK GP patient register data [CVD = BHF 2024 estimates]
Source: England - NHS England - Quality & Outcomes Framework (QOF) prevalence data 2023/24 [accessed Oct 2024]
<https://digital.nhs.uk/data-and-information/publications/statistical/quality-and-outcomes-framework-achievement-prevalence-and-exceptions-data/>
Wales - StatsWales. Quality Assurance and Improvement Framework (QAIF) disease registers April 2024 [accessed Oct 2024]
<https://statswales.gov.wales/Catalogue/Health-and-Social-Care/NHS-Primary-and-Community-Activity/GMS-Contract>
Scotland - Public Health Scotland. GP prevalence data 2018/19 [no updates as of Feb 2024]
<https://beta.isdscotland.org/find-publications-and-data/health-services/primary-care/general-practice-disease-prevalence-data-visualisation/>
Northern Ireland - Department of Health, Quality & Outcomes Framework (QOF) prevalence data 2023/24 [accessed July 2024]
<https://www.health-ni.gov.uk/articles/prevalence-statistics>

Table 2.22 Prevalence of selected cardiovascular conditions by sex, England 2003 to 2017[Back to Table of Contents](#)for content queries contact healthinsights@bhf.org.uk

		2003 %	2006 %	2011 %	2017 %
Myocardial infarction	Men	3.8	4.1	3.7	3.8
	Women	1.7	1.7	1.6	1.3
	All adults	2.8	2.9	2.6	2.5
Angina	Men	4.8	4.8	3.9	3.2
	Women	3.4	3.3	2.5	2.1
	All adults	4.1	4.0	3.2	2.7
CHD	Men	6.4	6.5	5.7	5.6
	Women	4.1	4.0	3.5	2.8
	All adults	5.2	5.2	4.6	4.2
Stroke	Men	2.4	2.4	2.7	2.7
	Women	2.2	2.2	2.1	2.0
	All adults	2.3	2.3	2.4	2.4
Any CVD	Men	13.6	13.6	13.9	14.6
	Women	13.0	13.0	13.4	12.5
	All adults	13.3	13.3	13.6	13.5

Notes:

For adults aged 16 years and over. Data have been weighted for non-response.

CHD: Coronary heart disease, reported as doctor-diagnosed heart attack or angina.

CVD: Cardiovascular disease, i.e. doctor-diagnosed heart attack, angina, heart murmur, abnormal heart rhythm or stroke.

Where an "all adults" percentage was not available, a crude average of male/female values has been used.

Citation:

BHF (2018) Analysis of NHS survey data

Source:

Health Survey for England 2017, NHS England (2018) [accessed December 2018; updates not available]

<https://digital.nhs.uk/data-and-information/publications/statistical/health-survey-for-england/2017>

Table 2.23 Prevalence of selected cardiovascular conditions by age group, England 2003 to 2017[Back to Table of Contents](#)for content queries contact healthinsights@bhf.org.uk

		2003 %	2006 %	2011 %	2017 %
CHD	16-24	0.1	0.1	-	0.2
	25-34	-	0.2	0.3	0.3
	35-44	0.7	0.5	0.7	0.4
	45-54	2.7	2.4	2.6	2.7
	55-64	8.4	7.0	6.3	4.8
	65-74	15.3	15.1	11.1	11.4
	75+	21.4	22.8	20.8	15.6
	All adults	5.2	5.2	4.6	4.2
Stroke	16-24	0.2	0.1	0.1	0.2
	25-34	0.3	0.1	0.2	0.3
	35-44	0.4	0.4	0.3	0.3
	45-54	1.1	1.0	1.4	2.2
	55-64	2.3	2.6	3.2	2.8
	65-74	6.4	5.6	5.7	5.1
	75+	10.6	11.6	10.6	8.8
	All adults	2.3	2.3	2.4	2.4
CHD or Stroke	16-24	0.3	0.2	0.1	0.5
	25-34	0.3	0.2	0.5	0.6
	35-44	1.1	0.8	1.0	0.6
	45-54	3.4	3.3	3.6	4.5
	55-64	10.1	8.7	8.5	7.0
	65-74	19.5	18.6	15.7	14.8
	75+	28.4	31.3	27.6	22.3
	All adults	6.8	6.8	6.3	6.0
Any CVD	16-34	4.9	4.5	4.6	4.8
	35-44	7.3	6.7	6.1	6.4
	45-54	10.5	10.6	10.6	10.8
	55-64	17.5	16.9	18.0	16.0
	65-74	28.1	27.7	29.0	27.2
	75+	39.6	40.7	41.7	37.1
	All adults	13.3	13.3	13.7	13.5

Notes:

For all adults aged 16 years and over.

CHD: Coronary heart disease, reported as doctor-diagnosed heart attack or angina.

CVD: Cardiovascular disease, i.e. doctor-diagnosed heart attack, angina, heart murmur, abnormal heart rhythm or stroke.

Data have been weighted for non-response.

Data for 'Any CVD' for the years 2003, 2006, and 2011 is calculated as the unweighted average of male/female data.

Citation:

BHF (2018) Analysis of NHS survey data

Source:

Health Survey for England 2017, NHS England (2018) [accessed December 2018; updates not available]

<https://digital.nhs.uk/data-and-information/publications/statistical/health-survey-for-england/2017>

Table 2.24 Prevalence of cardiovascular conditions by local authority, GP survey data, England 2021

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LA Code	LA Name	County	Region	%
E06000032	Luton	Bedfordshire	East of England	6.2
E06000055	Bedford	Bedfordshire	East of England	14.4
E06000056	Central Bedfordshire	Bedfordshire	East of England	6.4
E06000036	Bracknell Forest	Berkshire	South East	7.9
E06000037	West Berkshire	Berkshire	South East	6.1
E06000038	Reading	Berkshire	South East	4.8
E06000039	Slough	Berkshire	South East	4.0
E06000040	Windsor and Maidenhead	Berkshire	South East	4.8
E06000041	Wokingham	Berkshire	South East	9.8
E06000023	Bristol, City of	Bristol	South West	7.1
E06000042	Milton Keynes	Buckinghamshire	South East	6.1
E06000060	Buckinghamshire	Buckinghamshire	South East	6.6
E06000031	Peterborough	Cambridgeshire	East of England	29.8
E07000008	Cambridge	Cambridgeshire	East of England	6.3
E07000009	East Cambridgeshire	Cambridgeshire	East of England	8.3
E07000010	Fenland	Cambridgeshire	East of England	8.7
E07000011	Huntingdonshire	Cambridgeshire	East of England	7.7
E07000012	South Cambridgeshire	Cambridgeshire	East of England	7.0
E06000006	Halton	Cheshire	North West	6.9
E06000007	Warrington	Cheshire	North West	6.7
E06000049	Cheshire East	Cheshire	North West	9.9
E06000050	Cheshire West and Chester	Cheshire	North West	6.4
E06000052	Cornwall	Cornwall	South West	8.5
E06000001	Hartlepool	County Durham	North East	7.4
E06000005	Darlington	County Durham	North East	5.5
E06000047	County Durham	County Durham	North East	8.4
E06000004	Stockton-on-Tees	County Durham (part North Yorkshire)	North East	8.5
E07000026	Allerdale	Cumbria	North West	4.8
E07000027	Barrow-in-Furness	Cumbria	North West	5.1
E07000028	Carlisle	Cumbria	North West	7.3
E07000029	Copeland	Cumbria	North West	7.5
E07000030	Eden	Cumbria	North West	4.7
E07000031	South Lakeland	Cumbria	North West	4.8
E06000015	Derby	Derbyshire	East Midlands	6.8
E07000032	Amber Valley	Derbyshire	East Midlands	7.7
E07000033	Bolsover	Derbyshire	East Midlands	8.9
E07000034	Chesterfield	Derbyshire	East Midlands	10.0
E07000035	Derbyshire Dales	Derbyshire	East Midlands	4.7
E07000036	Erewash	Derbyshire	East Midlands	5.8
E07000037	High Peak	Derbyshire	East Midlands	4.9
E07000038	North East Derbyshire	Derbyshire	East Midlands	6.3
E07000039	South Derbyshire	Derbyshire	East Midlands	6.7
E06000026	Plymouth	Devon	South West	10.5
E06000027	Torbay	Devon	South West	13.4
E07000040	East Devon	Devon	South West	8.2
E07000041	Exeter	Devon	South West	10.7
E07000042	Mid Devon	Devon	South West	6.8
E07000043	North Devon	Devon	South West	9.5
E07000044	South Hams	Devon	South West	4.5
E07000045	Teignbridge	Devon	South West	8.1
E07000046	Torridge	Devon	South West	6.7
E07000047	West Devon	Devon	South West	8.0
E06000058	Bournemouth, Christchurch and Poole	Dorset	South West	10.1
E06000059	Dorset	Dorset	South West	9.4
E06000043	Brighton and Hove	East Sussex	South East	4.7
E07000061	Eastbourne	East Sussex	South East	8.2
E07000062	Hastings	East Sussex	South East	7.4
E07000063	Lewes	East Sussex	South East	8.3
E07000064	Rother	East Sussex	South East	9.2
E07000065	Wealden	East Sussex	South East	5.2
E06000033	Southend-on-Sea	Essex	East of England	4.4
E06000034	Thurrock	Essex	East of England	2.8
E07000066	Basildon	Essex	East of England	4.9
E07000067	Braintree	Essex	East of England	6.7
E07000068	Brentwood	Essex	East of England	5.5
E07000069	Castle Point	Essex	East of England	5.5
E07000070	Chelmsford	Essex	East of England	7.3
E07000071	Colchester	Essex	East of England	10.1
E07000072	Epping Forest	Essex	East of England	6.2

Table 2.24 Prevalence of cardiovascular conditions by local authority, GP survey data, England 2021

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LA Code	LA Name	County	Region	%
E07000073	Harlow	Essex	East of England	8.1
E07000074	Maldon	Essex	East of England	6.7
E07000075	Rochford	Essex	East of England	8.4
E07000076	Tendring	Essex	East of England	8.1
E07000077	Uttlesford	Essex	East of England	5.6
E06000025	South Gloucestershire	Gloucestershire	South West	7.5
E07000078	Cheltenham	Gloucestershire	South West	5.2
E07000079	Cotswold	Gloucestershire	South West	8.4
E07000080	Forest of Dean	Gloucestershire	South West	4.4
E07000081	Gloucester	Gloucestershire	South West	15.7
E07000082	Stroud	Gloucestershire	South West	4.7
E07000083	Tewkesbury	Gloucestershire	South West	7.1
E09000002	Barking and Dagenham	Greater London	London	2.2
E09000003	Barnet	Greater London	London	4.3
E09000004	Bexley	Greater London	London	5.2
E09000005	Brent	Greater London	London	3.2
E09000006	Bromley	Greater London	London	5.9
E09000007	Camden	Greater London	London	3.5
E09000008	Croydon	Greater London	London	4.3
E09000009	Ealing	Greater London	London	2.8
E09000010	Enfield	Greater London	London	4.4
E09000011	Greenwich	Greater London	London	3.6
E09000012	Hackney	Greater London	London	3.0
E09000013	Hammersmith and Fulham	Greater London	London	3.0
E09000014	Haringey	Greater London	London	4.2
E09000015	Harrow	Greater London	London	4.5
E09000016	Havering	Greater London	London	5.1
E09000017	Hillingdon	Greater London	London	3.4
E09000018	Hounslow	Greater London	London	2.6
E09000019	Islington	Greater London	London	3.2
E09000020	Kensington and Chelsea	Greater London	London	5.1
E09000021	Kingston upon Thames	Greater London	London	4.2
E09000022	Lambeth	Greater London	London	4.1
E09000023	Lewisham	Greater London	London	3.4
E09000024	Merton	Greater London	London	4.8
E09000025	Newham	Greater London	London	2.9
E09000026	Redbridge	Greater London	London	4.4
E09000027	Richmond upon Thames	Greater London	London	4.4
E09000028	Southwark	Greater London	London	9.2
E09000029	Sutton	Greater London	London	4.7
E09000030	Tower Hamlets	Greater London	London	3.1
E09000031	Waltham Forest	Greater London	London	3.3
E09000032	Wandsworth	Greater London	London	4.0
E09000033	Westminster	Greater London	London	4.8
E08000001	Bolton	Greater Manchester	North West	5.0
E08000002	Bury	Greater Manchester	North West	6.5
E08000003	Manchester	Greater Manchester	North West	4.4
E08000004	Oldham	Greater Manchester	North West	4.2
E08000005	Rochdale	Greater Manchester	North West	4.3
E08000006	Salford	Greater Manchester	North West	5.0
E08000007	Stockport	Greater Manchester	North West	6.1
E08000008	Tameside	Greater Manchester	North West	5.7
E08000009	Trafford	Greater Manchester	North West	5.0
E08000010	Wigan	Greater Manchester	North West	4.1
E06000044	Portsmouth	Hampshire	South East	12.8
E06000045	Southampton	Hampshire	South East	5.9
E07000084	Basingstoke and Deane	Hampshire	South East	9.5
E07000085	East Hampshire	Hampshire	South East	6.2
E07000086	Eastleigh	Hampshire	South East	6.1
E07000087	Fareham	Hampshire	South East	6.1
E07000088	Gosport	Hampshire	South East	16.7
E07000089	Hart	Hampshire	South East	10.4
E07000090	Havant	Hampshire	South East	10.2
E07000091	New Forest	Hampshire	South East	11.1
E07000092	Rushmoor	Hampshire	South East	4.8
E07000093	Test Valley	Hampshire	South East	7.6
E07000094	Winchester	Hampshire	South East	6.6
E06000019	Herefordshire, County of	Herefordshire	West Midlands	10.7
E07000095	Broxbourne	Hertfordshire	East of England	5.4

Table 2.24 Prevalence of cardiovascular conditions by local authority, GP survey data, England 2021

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LA Code	LA Name	County	Region	%
E07000096	Dacorum	Hertfordshire	East of England	7.8
E07000098	Hertsmere	Hertfordshire	East of England	8.2
E07000099	North Hertfordshire	Hertfordshire	East of England	5.1
E07000102	Three Rivers	Hertfordshire	East of England	4.6
E07000103	Watford	Hertfordshire	East of England	4.6
E07000240	St Albans	Hertfordshire	East of England	6.6
E07000241	Welwyn Hatfield	Hertfordshire	East of England	8.1
E07000242	East Hertfordshire	Hertfordshire	East of England	9.6
E07000243	Stevenage	Hertfordshire	East of England	7.1
E06000046	Isle of Wight	Isle of Wight	South East	9.9
E06000035	Medway	Kent	South East	6.5
E07000105	Ashford	Kent	South East	9.2
E07000106	Canterbury	Kent	South East	16.9
E07000107	Dartford	Kent	South East	7.7
E07000108	Dover	Kent	South East	5.0
E07000109	Gravesham	Kent	South East	6.4
E07000110	Maidstone	Kent	South East	5.6
E07000111	Sevenoaks	Kent	South East	5.5
E07000112	Folkestone and Hythe	Kent	South East	6.9
E07000113	Swale	Kent	South East	5.8
E07000114	Thanet	Kent	South East	8.3
E07000115	Tonbridge and Malling	Kent	South East	9.0
E07000116	Tunbridge Wells	Kent	South East	4.8
E06000008	Blackburn with Darwen	Lancashire	North West	6.9
E06000009	Blackpool	Lancashire	North West	7.7
E07000117	Burnley	Lancashire	North West	6.9
E07000118	Chorley	Lancashire	North West	7.4
E07000119	Fylde	Lancashire	North West	8.0
E07000120	Hyndburn	Lancashire	North West	5.8
E07000121	Lancaster	Lancashire	North West	29.9
E07000122	Pendle	Lancashire	North West	5.8
E07000123	Preston	Lancashire	North West	6.8
E07000124	Ribble Valley	Lancashire	North West	6.8
E07000125	Rossendale	Lancashire	North West	6.8
E07000126	South Ribble	Lancashire	North West	6.5
E07000127	West Lancashire	Lancashire	North West	6.3
E07000128	Wyre	Lancashire	North West	7.5
E06000016	Leicester	Leicestershire	East Midlands	3.7
E07000129	Blaby	Leicestershire	East Midlands	6.5
E07000130	Charnwood	Leicestershire	East Midlands	4.7
E07000131	Harborough	Leicestershire	East Midlands	9.6
E07000132	Hinckley and Bosworth	Leicestershire	East Midlands	6.2
E07000133	Melton	Leicestershire	East Midlands	31.1
E07000134	North West Leicestershire	Leicestershire	East Midlands	6.0
E07000135	Oadby and Wigston	Leicestershire	East Midlands	6.2
E07000136	Boston	Lincolnshire	East Midlands	8.8
E07000137	East Lindsey	Lincolnshire	East Midlands	11.3
E07000138	Lincoln	Lincolnshire	East Midlands	5.0
E07000139	North Kesteven	Lincolnshire	East Midlands	8.1
E07000140	South Holland	Lincolnshire	East Midlands	8.9
E07000141	South Kesteven	Lincolnshire	East Midlands	9.2
E07000142	West Lindsey	Lincolnshire	East Midlands	7.7
E06000012	North East Lincolnshire	Lincolnshire	Yorkshire and the Humber	7.6
E06000013	North Lincolnshire	Lincolnshire	Yorkshire and the Humber	8.6
E08000011	Knowsley	Merseyside	North West	8.0
E08000012	Liverpool	Merseyside	North West	9.7
E08000013	St. Helens	Merseyside	North West	5.3
E08000014	Sefton	Merseyside	North West	5.5
E08000015	Wirral	Merseyside	North West	6.8
E07000143	Breckland	Norfolk	East of England	6.7
E07000144	Broadland	Norfolk	East of England	6.4
E07000145	Great Yarmouth	Norfolk	East of England	11.3
E07000146	King's Lynn and West Norfolk	Norfolk	East of England	9.3
E07000147	North Norfolk	Norfolk	East of England	7.8
E07000148	Norwich	Norfolk	East of England	6.2
E07000149	South Norfolk	Norfolk	East of England	5.2
E06000061	North Northamptonshire	Northamptonshire	East Midlands	10.0
E06000062	West Northamptonshire	Northamptonshire	East Midlands	5.8
E06000057	Northumberland	Northumberland	North East	8.0

Table 2.24 Prevalence of cardiovascular conditions by local authority, GP survey data, England 2021

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LA Code	LA Name	County	Region	%
E06000018	Nottingham	Nottinghamshire	East Midlands	6.3
E07000170	Ashfield	Nottinghamshire	East Midlands	5.9
E07000171	Bassetlaw	Nottinghamshire	East Midlands	14.7
E07000172	Broxtowe	Nottinghamshire	East Midlands	6.5
E07000173	Gedling	Nottinghamshire	East Midlands	6.4
E07000174	Mansfield	Nottinghamshire	East Midlands	8.2
E07000175	Newark and Sherwood	Nottinghamshire	East Midlands	8.4
E07000176	Rushcliffe	Nottinghamshire	East Midlands	11.3
E07000177	Cherwell	Oxfordshire	South East	7.1
E07000178	Oxford	Oxfordshire	South East	5.5
E07000179	South Oxfordshire	Oxfordshire	South East	5.5
E07000180	Vale of White Horse	Oxfordshire	South East	6.9
E07000181	West Oxfordshire	Oxfordshire	South East	7.7
E06000017	Rutland	Rutland	East Midlands	6.1
E06000020	Telford and Wrekin	Shropshire	West Midlands	12.3
E06000051	Shropshire	Shropshire	West Midlands	6.0
E06000022	Bath and North East Somerset	Somerset	South West	4.3
E06000024	North Somerset	Somerset	South West	10.5
E07000187	Mendip	Somerset	South West	8.5
E07000188	Sedgemoor	Somerset	South West	6.6
E07000189	South Somerset	Somerset	South West	5.4
E07000246	Somerset West and Taunton	Somerset	South West	8.5
E06000021	Stoke-on-Trent	Staffordshire	West Midlands	5.1
E07000192	Cannock Chase	Staffordshire	West Midlands	4.5
E07000193	East Staffordshire	Staffordshire	West Midlands	6.1
E07000194	Lichfield	Staffordshire	West Midlands	18.1
E07000195	Newcastle-under-Lyme	Staffordshire	West Midlands	5.5
E07000196	South Staffordshire	Staffordshire	West Midlands	5.3
E07000197	Stafford	Staffordshire	West Midlands	6.8
E07000198	Staffordshire Moorlands	Staffordshire	West Midlands	4.4
E07000199	Tamworth	Staffordshire	West Midlands	9.2
E07000200	Babergh	Suffolk	East of England	9.8
E07000202	Ipswich	Suffolk	East of England	8.1
E07000203	Mid Suffolk	Suffolk	East of England	6.6
E07000244	East Suffolk	Suffolk	East of England	7.9
E07000245	West Suffolk	Suffolk	East of England	6.2
E07000207	Elmbridge	Surrey	South East	4.6
E07000208	Epsom and Ewell	Surrey	South East	9.6
E07000209	Guildford	Surrey	South East	4.4
E07000210	Mole Valley	Surrey	South East	6.9
E07000211	Reigate and Banstead	Surrey	South East	6.3
E07000212	Runnymede	Surrey	South East	6.8
E07000213	Spelthorne	Surrey	South East	7.5
E07000214	Surrey Heath	Surrey	South East	7.0
E07000215	Tandridge	Surrey	South East	6.0
E07000216	Waverley	Surrey	South East	7.5
E07000217	Woking	Surrey	South East	5.6
E08000021	Newcastle upon Tyne	Tyne & Wear	North East	7.4
E08000022	North Tyneside	Tyne & Wear	North East	7.9
E08000023	South Tyneside	Tyne & Wear	North East	6.1
E08000024	Sunderland	Tyne & Wear	North East	5.8
E08000037	Gateshead	Tyne & Wear	North East	4.9
E07000218	North Warwickshire	Warwickshire	West Midlands	5.4
E07000219	Nuneaton and Bedworth	Warwickshire	West Midlands	4.8
E07000220	Rugby	Warwickshire	West Midlands	6.8
E07000221	Stratford-on-Avon	Warwickshire	West Midlands	5.5
E07000222	Warwick	Warwickshire	West Midlands	5.1
E08000025	Birmingham	West Midlands	West Midlands	7.0
E08000026	Coventry	West Midlands	West Midlands	4.7
E08000027	Dudley	West Midlands	West Midlands	8.1
E08000028	Sandwell	West Midlands	West Midlands	7.8
E08000029	Solihull	West Midlands	West Midlands	23.8
E08000030	Walsall	West Midlands	West Midlands	4.5
E08000031	Wolverhampton	West Midlands	West Midlands	7.6
E07000223	Adur	West Sussex	South East	10.2
E07000224	Arun	West Sussex	South East	7.6
E07000225	Chichester	West Sussex	South East	7.4
E07000226	Crawley	West Sussex	South East	4.2
E07000227	Horsham	West Sussex	South East	6.9

Table 2.24 Prevalence of cardiovascular conditions by local authority, GP survey data, England 2021

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LA Code	LA Name	County	Region	%
E07000228	Mid Sussex	West Sussex	South East	6.5
E07000229	Worthing	West Sussex	South East	9.7
E06000030	Swindon	Wiltshire	South West	5.9
E06000054	Wiltshire	Wiltshire	South West	8.7
E07000234	Bromsgrove	Worcestershire	West Midlands	4.3
E07000235	Malvern Hills	Worcestershire	West Midlands	6.2
E07000236	Redditch	Worcestershire	West Midlands	8.8
E07000237	Worcester	Worcestershire	West Midlands	6.1
E07000238	Wychavon	Worcestershire	West Midlands	6.1
E07000239	Wyre Forest	Worcestershire	West Midlands	8.1
E06000010	Kingston upon Hull, City of	Yorkshire (East Riding)	Yorkshire and the Humber	15.3
E06000011	East Riding of Yorkshire	Yorkshire (East Riding)	Yorkshire and the Humber	11.0
E06000002	Middlesbrough	Yorkshire (North Yorkshire)	North East	6.2
E06000003	Redcar and Cleveland	Yorkshire (North Yorkshire)	North East	6.6
E06000014	York	Yorkshire (North Yorkshire)	Yorkshire and the Humber	16.4
E07000163	Craven	Yorkshire (North Yorkshire)	Yorkshire and the Humber	8.4
E07000164	Hambleton	Yorkshire (North Yorkshire)	Yorkshire and the Humber	6.7
E07000165	Harrogate	Yorkshire (North Yorkshire)	Yorkshire and the Humber	6.2
E07000166	Richmondshire	Yorkshire (North Yorkshire)	Yorkshire and the Humber	3.4
E07000167	Ryedale	Yorkshire (North Yorkshire)	Yorkshire and the Humber	7.4
E07000168	Scarborough	Yorkshire (North Yorkshire)	Yorkshire and the Humber	13.0
E07000169	Selby	Yorkshire (North Yorkshire)	Yorkshire and the Humber	6.9
E08000016	Barnsley	Yorkshire (South Yorkshire)	Yorkshire and the Humber	7.9
E08000017	Doncaster	Yorkshire (South Yorkshire)	Yorkshire and the Humber	6.2
E08000018	Rotherham	Yorkshire (South Yorkshire)	Yorkshire and the Humber	7.3
E08000019	Sheffield	Yorkshire (South Yorkshire)	Yorkshire and the Humber	5.3
E08000032	Bradford	Yorkshire (West Yorkshire)	Yorkshire and the Humber	6.1
E08000033	Calderdale	Yorkshire (West Yorkshire)	Yorkshire and the Humber	6.1
E08000034	Kirklees	Yorkshire (West Yorkshire)	Yorkshire and the Humber	4.4
E08000035	Leeds	Yorkshire (West Yorkshire)	Yorkshire and the Humber	5.7
E08000036	Wakefield	Yorkshire (West Yorkshire)	Yorkshire and the Humber	7.7

Notes: Data from GP Patient Survey (GPPS). Local authority list correct at time of survey. [accessed Feb 2024]
Data will not be comparable with other surveys or patient data (e.g. BHF prevalence estimates based on QOF / GP data)
Self-reported data where respondents have answered if they have a heart condition, or a have had a stroke which affects day-to-day life

Citation: BHF (2024) Analysis of ONS patient survey data for England

Source: ONS (2023) Health Index underlying data, England
<https://www.ons.gov.uk/peoplepopulationandcommunity/healthandsocialcare/healthandwellbeing/datasets/healthindexunderlyingdataengland>

Table 2.25 Prevalence of selected cardiovascular conditions by equivalised household income and sex, England 2017[Back to Table of Contents](#)for content queries contact healthinsights@bhf.org.uk

		Equivalised household income quintile				
		Highest	2nd	3rd	4th	Lowest
		%	%	%	%	%
CHD	Men	4.2	5.7	8.8	7.8	12.3
	Women	4.3	1.7	3.8	5.0	4.1
	All adults	4.3	3.7	6.2	6.3	7.7
Stroke	Men	2.4	2.5	3.1	5.7	6.8
	Women	1.3	1.3	2.1	2.5	3.4
	All adults	1.9	1.9	2.6	4.0	4.9
Any CVD	Men	15.3	18.1	18.7	19.9	27.2
	Women	16.9	12.3	13.8	16.1	18.5
	All adults	16.0	15.2	16.2	17.9	22.3

Notes:

For all adults aged 35 years and over.

CHD: Coronary heart disease, reported as doctor-diagnosed heart attack or angina.

CVD: Cardiovascular disease, i.e. doctor-diagnosed heart attack, angina, heart murmur, abnormal heart rhythm or stroke.

Data in this table are age-standardised.

Citation:

BHF (2018) Analysis of NHS survey data

Source:

Health Survey for England 2017, NHS England (2018) [accessed December 2018; updates not available]

<https://digital.nhs.uk/data-and-information/publications/statistical/health-survey-for-england/2017>

Table 2.26 Prevalence of selected cardiovascular conditions by sex, Scotland 2003 to 2023

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		2003	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2021	2022	2023
		%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%
CHD	Men	8.2	6.9	7.4	7.5	7.5	7.3	7.1	7.8	7.4	6.7	6.4	7.0	7.0	7	6	5
	Women	6.5	5.6	5.2	5.2	4.9	5.7	5.3	4.7	4.6	4.2	4.0	4.0	4.0	4	4	4
	All adults	7.3	6.2	6.2	6.3	6.2	6.5	6.1	6.2	6.0	5.4	5.2	5.0	5.5	5	5	4
Stroke	Men	2.4	2.5	2.7	3.3	2.9	2.8	3.2	3.3	2.6	3.2	3.2	2.0	3.0	3	3	3
	Women	2.1	2.8	2.2	2.5	2.7	2.8	2.7	3.1	2.6	2.7	2.8	3.0	3.0	2	3	3
	All adults	2.2	2.6	2.5	2.9	2.8	2.8	2.9	3.2	2.6	2.9	3.0	3.0	3.0	3	3	3
Any CVD	Men	14.9	15.1	15.2	16.3	15.6	16.6	15.7	18.2	15.6	15.5	16.2	16.0	17.0	18	17	16
	Women	14.5	15.5	13.7	14.0	13.8	15.9	15.3	13.8	14.5	15.0	14.6	16.0	14.0	14	14	15
	All adults	14.7	15.3	14.4	15.1	14.6	16.2	15.5	15.9	15.1	15.2	15.4	16.0	15.5	16	16	15

Notes: For adults aged 16 years and over. No data for 2020.
CHD: Coronary heart disease, reported as doctor-diagnosed heart attack or angina.
Any CVD: Any cardiovascular condition, including IHD (heart attack or angina), stroke, heart murmur, abnormal heart rhythm or 'other heart trouble' - excludes high blood pressure.

Citation: BHF (2025) Analysis of Scottish health survey data

Source: The Scottish Government. (2024) The Scottish Health Survey 2023 and previous editions.
www.gov.scot/collections/scottish-health-survey/

Table 2.27 Prevalence of selected cardiovascular conditions by age group, Scotland 2003 to 2023

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		2003 %	2008 %	2009 %	2010 %	2011 %	2012 %	2013 %	2014 %	2015 %	2016 %	2017 %	2018 %	2019 %	2021 %	2022 %	2023 %
CHD	16-24	-	-	0.1	-	0.6	-	-	-	0.7	-	-	-	-	-	-	0
	25-34	0.6	-	0.2	0.5	0.1	0.3	0.3	0.5	0.4	-	0.1	0.0	-	*	*	0
	35-44	0.8	0.8	0.6	0.9	0.2	1.4	0.6	0.8	1.1	0.1	-	1.0	1.0	1	1	0
	45-54	4.3	2.7	3.0	3.5	4.3	2.7	2.5	3.7	3.8	2.4	2.8	4.0	3.0	3	4	2
	55-64	11.9	10.2	9.7	8.9	7.6	9.4	7.9	10.2	6.3	8.6	6.8	6.0	6.0	8	8	5
	65-74	21.1	18.7	17.2	18.6	17.6	17.5	16.3	15.1	13.6	13.3	13.1	12.0	13.0	10	11	10
	75+	26.0	22.8	24.2	22.3	23.7	25.0	26.7	21.2	25.0	21.4	20.5	19.0	24.0	20	15	17
	All adults	7.3	6.2	6.2	6.3	6.2	6.5	6.1	6.2	6.0	5.4	5.2	5.0	5.5	5	5	4
Stroke	16-24	0.1	0.0	0.1	0.1	-	-	-	-	-	0.3	-	-	-	-	*	*
	25-34	0.1	-	0.1	0.3	0.4	0.4	0.2	0.1	0.3	0.1	0.2	1.0	-	*	*	*
	35-44	0.8	0.9	0.6	1.3	0.4	0.9	0.6	0.5	0.8	0.2	1.0	-	-	2	1	2
	45-54	0.7	1.4	1.2	1.1	1.4	1.5	2.6	1.5	1.1	3.9	2.5	2.0	4.5	1	2	1
	55-64	3.3	3.2	2.8	4.5	3.6	3.4	4.4	4.9	4.0	2.7	3.9	4.0	4.0	3	4	3
	65-74	5.4	6.5	6.6	7.0	7.2	5.7	4.9	8.5	5.3	6.0	6.7	8.0	6.5	6	6	6
	75+	9.4	11.7	10.4	10.7	11.5	12.9	11.4	11.5	10.4	10.5	9.5	9.0	11.0	10	9	12
	All adults	2.2	2.6	2.5	2.9	2.8	2.8	2.9	3.2	2.6	2.9	3.0	3.0	3.0	3	3	3
Any CVD	16-24	3.7	5.7	4.1	5.1	5.5	4.6	5.9	4.9	5.5	5.0	4.5	4.0	4.5	5	5	3
	25-34	5.3	5.8	4.9	5.7	5.3	5.5	5.9	7.0	5.5	7.3	6.0	9.0	6.0	9	7	8
	35-44	7.2	7.9	7.4	8.1	5.4	10.6	7.0	9.2	7.5	8.6	7.2	8.0	8.0	10	10	9
	45-54	10.8	11.6	10.6	11.1	12.2	12.8	10.9	12.1	12.7	12.6	10.0	11.0	12.0	10	14	11
	55-64	20.3	20.4	19.0	19.0	16.5	19.4	19.8	20.5	18.5	17.9	19.7	19.0	16.5	20	18	18
	65-74	33.1	33.1	29.8	32.7	32.2	31.4	28.4	29.2	24.9	26.3	30.1	31.0	26.0	26	25	25
	75+	39.8	39.1	41.9	39.7	42.3	45.8	47.3	41.8	43.6	40.2	43.0	41.0	45.5	41	36	42
	All adults	14.7	15.3	14.4	15.1	14.6	16.2	15.5	15.9	15.1	15.2	15.4	16.0	15.5	16	16	15

Notes: For all adults aged 16 years and over. No data for 2020.

CHD: Coronary heart disease, reported as doctor-diagnosed heart attack or angina.

* rounded to zero

Any CVD: Any cardiovascular condition, including IHD (heart attack or angina), stroke, heart murmur, abnormal heart rhythm or 'other heart trouble' - excludes high blood pressure.

Citation: BHF (2025) Analysis of Scottish health survey data

Source: The Scottish Government (2024) The Scottish Health Survey 2023 and previous editions.

www.gov.scot/collections/scottish-health-survey/

Table 2.28 Prevalence of selected cardiovascular conditions by equivalised household income and sex, Scotland 2022

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		Equivalised household income quintile				
		Highest	2nd	3rd	4th	Lowest
		%	%	%		%
CHD	Men	3	6	8	4	8
	Women	2	2	3	3	7
	All adults	3	4	5	4	8
Stroke	Men	1	2	4	2	5
	Women	2	2	2	2	6
	All adults	1	2	3	2	5
Any CVD	Men	16	16	17	14	24
	Women	10	12	12	12	23
	All adults	13	14	14	13	23

Notes:

For all adults aged 16 years and over. Equivalised by OECD method

Top Quintile >=£59,300; Bottom Quintile < £17,600

CHD: Coronary heart disease, reported as doctor-diagnosed heart attack or angina.

CVD: Cardiovascular disease, i.e. had cardiovascular condition; excludes high blood pressure

Citation:

Scottish Government (2024) Analysis of CVD prevalence data

Source:

Scottish Government (2024). The Scottish Health Survey 2022. Supplementary tables [accessed Feb 2024]

<https://www2.gov.scot/Topics/Statistics/Browse/Health/scottish-health-survey>

Table 2.29 Prevalence of selected cardiovascular conditions by deprivation quintile and sex, Scotland 2022

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		SIMD Quintiles				
		Most deprived quintile	2nd	3rd	4th	Least deprived quintile
		%	%	%	%	%
CHD	Men	9	6	5	6	5
	Women	7	5	4	3	2
	All adults	8	6	4	4	3
Stroke	Men	5	4	3	2	2
	Women	6	2	2	3	1
	All adults	5	3	3	3	1
Any CVD	Men	20	17	16	20	15
	Women	20	14	13	14	9
	All adults	20	16	15	17	12

Notes:

For all adults aged 16 years and over. SIMD = Scottish Index of Multiple Deprivation

CHD: Coronary heart disease, reported as doctor-diagnosed heart attack or angina.

Any CVD: Any cardiovascular condition, including CHD (heart attack or angina), stroke, heart murmur, abnormal heart rhythm or 'other heart trouble' - excludes high blood pressure - CVD time series on next tab

Citation:

Scottish Government (2023) Analysis of CVD prevalence data

Source:

Scottish Government (2023). The Scottish Health Survey 2022

<https://www.gov.scot/publications/scottish-health-survey-2022-volume-1-main-report/documents/>

Table 2.30 Prevalence of any cardiovascular condition by deprivation quintile and sex, Scotland 2003 to 2022

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Any CVD	SIMD Quintiles	2003 %	2008 %	2009 %	2010 %	2011 %	2012 %	2013 %	2014 %	2015 %	2016 %	2017 %	2018 %	2019 %	2021 %	2022 %
Men	Most deprived quintile	22	19	22	19	20	19	19	26	23	17	25	17	22	22	20
	2nd	18	18	17	17	18	21	19	17	15	18	20	16	16	22	17
	3rd	16	17	16	15	18	13	16	18	12	18	13	15	19	17	16
	4th	16	14	15	18	14	18	16	17	17	16	15	17	15	15	20
	Least deprived quintile	12	14	13	17	14	17	13	16	13	12	13	16	14	15	15
Women	Most deprived quintile	19	19	19	17	18	25	21	19	20	20	21	21	18	18	20
	2nd	16	16	16	18	13	17	19	14	15	15	17	16	15	17	14
	3rd	15	17	14	13	14	16	15	13	14	14	13	17	13	12	13
	4th	14	15	12	14	13	15	13	12	13	13	12	14	11	15	14
	Least deprived quintile	11	15	10	10	13	9	12	13	13	13	12	12	11	11	9
All Adults	Most deprived quintile	20	19	20	18	19	23	20	23	21	19	22	19	20	20	20
	2nd	17	17	16	17	15	19	19	15	15	16	18	16	16	19	16
	3rd	16	17	15	14	16	15	15	15	13	16	13	16	16	14	15
	4th	15	14	14	16	13	17	14	14	15	14	13	15	13	15	17
	Least deprived quintile	12	14	12	13	13	13	13	14	13	12	12	14	12	13	12

Notes: For all adults aged 16 years and over.

SIMD = Scottish Index of Multiple Deprivation

No data published for 2020.

Any CVD: Any cardiovascular condition, including CHD (heart attack or angina), stroke, heart murmur, abnormal heart rhythm or 'other heart trouble' - excludes diabetes and high blood pressure

Citation: BHF (2024) Analysis of Scottish health survey data

Source: The Scottish Government. The Scottish Health Survey 2022 and previous editions.

www.gov.scot/collections/scottish-health-survey/

Table 2.31 Prevalence of heart and circulatory complaints by sex and age, Wales 2016/17 to 2022/23

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		2016/17	2017/18	2018/19	2019/20			2021/22	2022/23
		%	%	%	%			%	%
Men	16-44	1.8	1.8	2.5	1.5	Men	16-24	1.0	1.3
	45-64	16.0	16.1	16.1	16.2		25-34	2.6	1.3
	65+	32.8	33.5	33.6	32.8		35-44	2.5	3.8
							45-54	9.2	9.5
	All adults	13.5	13.9	14.2	13.7		55-64	19.6	18.8
Women	16-44	3.0	2.4	2.6	2.5	Women	65-74	25.0	25.5
	45-64	13.6	11.0	9.6	12.3		75+	29.3	27.0
	65+	27.7	26.2	28.0	28.6		All adults	12.1	11.8
	All adults	12.7	11.4	11.5	12.5				
Both	16-44	2.4	2.1	2.6	2.0	Both	16-24	1.4	1.2
	45-64	14.8	13.5	12.7	14.2		25-34	2.2	1.6
	65+	30.1	29.6	30.6	30.5		35-44	2.9	4.5
							45-54	8.4	8.6
	All adults	13.1	12.6	12.8	13.1		55-64	16.4	15.4
							65-74	23.2	22.6
							75+	28.2	25.9
							All adults	11.4	11.1

Notes: Adults aged 16 years and over. Methodologies before/after pandemic not comparable. Figures not published for 2020/21

Citation: BHF (2024) Analysis of Welsh survey data

Source: National Survey for Wales [accessed Feb 2024]
<https://gov.wales/adult-general-health-and-illness-national-survey-wales>

Table 2.32 Prevalence of heart and circulatory complaints by deprivation quintile, Wales 2016/17 to 2022/23

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	Year	WIMD Quintiles				
		Most deprived	2nd	3rd	4th	Least deprived
		%	%	%	%	%
Heart & Circulatory Complaints	2022/23	11.4	12.0	10.4	10.6	9.2
	2021/22	12.2	12.4	10.1	10.0	10.6
Heart & Circulatory Complaints	2019/20	15.0	13.3	12.5	12.1	11.3
	2018/19	15.6	13.5	11.8	11.0	11.3
	2017/18	15.5	15.2	12.2	10.5	9.5
	2016/17	15.2	15.1	13.9	10.3	11.4

Notes: WIMD = Welsh Index of Multiple Deprivation

Adults aged 16 years and over. Methodologies before/after pandemic not comparable. Figures not published for 2020/21

Citation: BHF (2024) Analysis of Welsh survey data

Source: National Survey for Wales: adult general health and illness by WIMD deprivation quintile [accessed Feb 2024]

<https://gov.wales/adult-general-health-and-illness-national-survey-wales>

Table 2.33 Prevalence of congenital heart disease, diagnoses at birth, England 2021

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Condition/defect	ICD-10 code	Number of babies	Prevalence rate per 10,000 births	Live births	Live birth prevalence rate per 10,000 births
Congenital heart defects	Q20-28	4,034	67.2	3,211	53.7
Severe congenital heart defects	[Q20-28]	1,760	29.3	1,182	19.8
Ventricular septal defect [VSD]	Q21.0	1,632	27.2	1,414	23.6
Atrial septal defect [ASD]	Q21.1	532	8.9	529	8.8
Atrioventricular septal defect [AVSD]	Q21.2	411	6.8	232	3.9
Coarctation of aorta	Q25.1	295	4.9	236	3.9
Pulmonary valve stenosis	Q22.1-3	232	3.9	213	3.6
Tetralogy of Fallot [TOF/ToF]	Q21.3	230	3.8	166	2.8
Hypoplastic left heart (syndrome)	Q23.4	186	3.1	87	1.5
Double outlet right ventricle	Q20.1	181	3.0	107	1.8
Transposition of great vessels [TGV/TGA]	Q20.3	182	3.0	152	2.5
Pulmonary valve atresia	Q22.0	133	2.2	83	1.4
Aortic valve atresia/stenosis	Q23.0	83	1.4	71	1.2
Total anomalous pulmonary venous return	Q26.2	61	1.0	50	0.8
Tricuspid atresia and stenosis	Q22.4	56	0.9	32	0.5
Single ventricle	Q20.4	41	0.7	22	0.4
Common arterial truncus (trunk)	Q20.0	34	0.6	13	0.2
Corrected transposition of great arteries	Q20.5	29	0.5	19	0.3
Ebstein's anomaly	Q22.5	31	0.5	23	0.4
Mitral valve anomalies	Q23	28	0.5	15	0.3
Aortic atresia/interrupted aortic arch	Q25.2	29	0.5	18	0.3
Hypoplastic right heart	Q22.6	20	0.3	10	0.2
Patent ductus arteriosus	Q25.0	19	0.3	19	0.3
Double outlet left ventricle	Q20.2	2	-	-	-

Notes: Number of babies diagnosed with congenital anomalies; birth prevalence (per 10,000 total births)
Calculations based on 600,465 births in England (2021); figures include genetic conditions
Note that congenital heart disease can be diagnosed at any age; diagnoses later in childhood and adulthood are common.

Citation: BHF (2024) Analysis of NCARDRS congenital anomaly statistics

Source: National Congenital Anomaly & Rare Disease Registration Service (NCARDRS) congenital anomaly statistics: annual data. Tables. [accessed July 2024]
<https://digital.nhs.uk/data-and-information/publications/statistical/ncardrs-congenital-anomaly-statistics-annual-data/ncardrs-congenital-anomaly-statistics-report-2021>

Table 2.34 Prevalence of cardiovascular disease (CVD), coronary heart disease (CHD), and stroke (CBVD) by nation and region, United Kingdom 2021

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Nation	English Region	Prevalence A/S CVD 2021 est	Prevalence A/S CHD 2021 est	Prevalence Stroke A/S 2021
	East Midlands	5,888	1,283	686
	East of England	5,815	1,236	661
	Greater London	6,038	1,205	641
	North East England	6,258	1,373	727
	North West England	6,160	1,347	728
	South East England	5,688	1,195	655
	South West England	5,732	1,202	665
	West Midlands	5,797	1,215	686
	Yorkshire and the Humber	5,942	1,303	708
<i>England</i>		<i>5,897</i>	<i>1,252</i>	<i>680</i>
<i>Scotland</i>		<i>7,436</i>	<i>2,185</i>	<i>1,505</i>
<i>Wales</i>		<i>6,535</i>	<i>1,564</i>	<i>803</i>
<i>Northern Ireland</i>		<i>6,242</i>	<i>1,773</i>	<i>781</i>
United Kingdom		6,073	1,363	760

Notes: All figures are modelled estimates. A/S = age standardised rate per 100,000 inhabitants.
 ICD-10 codes for cardiovascular disease (CVD) B33.2, G45-G46.8, I01-I01.9, I02.0, I05-I09.9, I11-I11.9, I20-I25.9, I27.0, I27.2, I28-I28.9, I30-I31.1, I31.8-I37.8, I38-I41.9, I42.1-I42.8, I43-I43.9, I47-I48.9, I51.0-I51.4, I60-I63.9, I65-I66.9, I67.0-I67.3, I67.5-I67.6, I68.0-I68.2, I69.0-I69.3, I70.2-I70.8, I71-I73.9, I77-I83.9, I86-I89.0, I89.9, I98, K75.1
 ICD-10 codes for coronary heart disease (CHD) I20-I25.9 - ICD-10 codes for stroke (CBVD) G45-G46.8, I60-I63.9, I65-I66.9, I67.0-I67.3, I67.5-I67.6, I68.1-I68.2, I69.0-I69.3

Citation: BHF (2024) Analysis of GBD data

Source: Global Burden of Disease Collaborative Network.

Global Burden of Disease Study 2021 Results.

Seattle, United States: Institute for Health Metrics and Evaluation (IHME), 2024.

<http://ghdx.healthdata.org/gbd-results-tool>

[accessed July 2024]

For actual CHD/stroke prevalence totals from UK patient data, and BHF CVD estimates, see Table 2.11

Table 2.35 Prevalence of cardiovascular disease (CVD), coronary heart disease (CHD), and stroke (CBVD), by country and continent 2021

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Region	Country	Prevalence CVD 2021 est	Prevalence A/S CVD 2021 est	Prevalence CHD 2021 est	Prevalence A/S CHD 2021 est	Prevalence Stroke 2021 est	Prevalence Stroke A/S 2021
GLOBAL		612,059,322	7,178.7	254,276,268	2,946.4	93,816,414	1,099.3
EUROPE		110,208,757	7,282.9	43,362,824	2,762.4	13,403,001	937.8
	Albania	323,962	8,061.4	129,237	2,943.7	31,368	804.3
	Andorra	7,845	5,195.8	2,218	1,447.2	930	654.0
	Austria	1,204,461	6,891.4	288,715	1,647.5	195,927	1,140.0
	Belarus	1,100,405	7,055.6	627,087	3,891.6	176,672	1,185.3
	Belgium	1,330,477	6,085.5	321,065	1,432.9	151,255	715.9
	Bosnia and Herzegovina	428,359	7,192.7	198,762	3,204.0	70,511	1,269.4
	Bulgaria	949,984	7,053.1	475,735	3,321.7	159,098	1,256.2
	Croatia	504,413	5,845.8	244,160	2,776.1	72,488	884.4
	Cyprus	102,981	5,040.4	25,051	1,198.4	9,959	521.5
	Czechia	1,672,897	8,260.8	715,423	3,350.1	184,479	937.6
	Denmark	652,476	5,761.9	125,387	1,085.8	79,025	744.7
	Estonia	189,483	7,338.1	107,711	3,966.3	17,504	772.7
	Finland	749,247	6,295.4	198,701	1,618.7	126,865	1,110.4
	France	11,480,967	9,101.4	2,180,523	1,595.1	928,694	737.2
	Germany	12,671,915	7,079.9	3,151,798	1,683.2	1,961,477	1,093.2
	Greece	1,147,656	5,029.4	261,596	1,157.6	184,789	868.5
	Hungary	1,298,335	6,895.7	687,289	3,477.5	162,162	936.7
	Iceland	30,104	5,351.7	8,907	1,563.1	4,295	799.1
	Ireland	424,800	5,531.5	113,061	1,436.8	42,863	596.3
	Italy	9,069,565	6,737.7	2,109,381	1,544.6	726,983	582.8
	Latvia	246,903	6,447.7	125,179	3,092.9	38,723	1,085.0
	Lithuania	367,143	6,687.6	179,816	3,040.2	49,790	1,018.7
	Luxembourg	69,816	6,875.4	12,960	1,239.8	5,450	561.4
	Malta	46,787	5,059.7	12,176	1,272.1	4,906	596.5
	Moldova	368,118	6,324.9	202,545	3,389.8	52,570	946.5
	Montenegro	66,917	7,009.5	36,358	3,731.2	7,803	873.5
	Netherlands	1,999,752	5,967.4	509,889	1,486.3	251,373	803.8
	North Macedonia	217,141	6,713.9	111,163	3,423.6	39,575	1,254.3
	Norway	601,636	6,206.2	144,841	1,478.6	91,233	956.5
	Poland	4,292,253	6,178.2	2,087,659	2,904.5	484,802	749.2
	Portugal	1,143,834	4,880.5	223,738	947.1	121,105	579.9
	Romania	2,374,542	6,602.4	1,224,025	3,277.4	368,875	1,082.8
	Russian Federation	20,183,634	8,622.6	12,624,158	5,279.1	2,453,769	1,102.1
	Serbia	1,134,136	7,093.8	648,643	3,958.9	151,578	1,006.3
	Slovakia	651,936	7,115.9	284,252	2,987.2	106,246	1,185.6
	Slovenia	289,576	6,732.8	143,108	3,247.4	24,286	624.3
	Spain	5,700,212	6,174.1	1,171,513	1,266.3	694,496	776.9
	Sweden	1,494,406	7,400.6	312,502	1,459.8	179,366	929.5
	Switzerland	908,755	5,232.9	219,531	1,249.1	102,749	623.4
	Ukraine	5,665,583	7,456.3	3,551,142	4,518.8	843,892	1,207.9
	United Kingdom #	7,377,133	6,073.4	1,702,773	1,363.4	894,947	759.8
	England #	5,982,801	5,897.3	1,299,172	1,252.1	659,502	679.5
	Scotland #	782,963	7,435.7	241,277	2,184.9	163,478	1,505.5
	Wales #	407,827	6,535.4	102,638	1,563.7	47,267	802.7
	Northern Ireland #	203,542	6,242.5	59,687	1,773.5	24,699	781.0
NORTH AMERICA		47,577,211	7,765.7	9,766,038	1,495.0	7,004,963	1,194.7
	Canada	5,150,284	7,870.2	1,105,820	1,544.1	704,693	1,090.9
	United States	42,416,173	7,755.3	8,655,574	1,488.8	6,299,339	1,207.0
LATIN AMERICA & CARIBBEAN		41,500,760	6,703.0	14,674,190	2,368.1	5,183,939	832.6
	Brazil	16,934,613	6,897.4	4,966,552	1,976.7	2,052,714	823.3
ASIA		340,412,487	6,782.6	162,405,701	3,223.6	57,327,986	1,137.0
	China	133,845,555	6,603.7	63,331,312	3,042.4	26,335,403	1,301.4
	India	89,154,387	7,339.4	51,933,273	4,458.2	9,337,658	727.1
	Japan	16,236,873	5,040.4	2,918,517	802.3	3,606,917	1,176.0
	Türkiye (Turkey)	8,018,332	8,562.8	5,015,695	5,365.9	926,990	999.1
	United Arab Emirates	729,852	11,066.8	384,628	7,608.9	113,379	1,429.4
AFRICA		66,238,230	8,340.8	22,549,026	3,609.0	10,036,739	1,284.6
	South Africa	3,923,385	8,034.3	1,283,630	2,839.9	620,739	1,333.4
AUSTRALASIA		3,289,046	6,440.6	1,055,922	1,967.0	368,278	743.7
	Australia	2,797,352	6,532.0	847,761	1,877.7	313,300	750.5
	New Zealand	491,694	5,978.1	208,162	2,442.8	54,978	707.4

Notes: All figures are estimates. For UK patient data please consult earlier tables in this chapter.

All figures are modelled estimates. A/S = age standardised rate per 100,000 inhabitants.

ICD-10 codes for cardiovascular disease (CVD) B33.2, G45-G46.8, I01-I01.9, I02.0, I05-I09.9, I11-I11.9, I20-I25.9, I27.0, I27.2, I28-I28.9, I30-I31.1, I31.8-I37.8, I38-I41.9, I42.1-I42.8, I43-I43.9, I47-I48.9, I51.0-I51.4, I60-I63.9, I65-I66.9, I67.0-I67.3, I67.5-I67.6, I68.0-I68.2, I69.0-I69.3, I70.2-I70.8, I71-I73.9, I77-I83.9, I86-I89.0, I89.9, I98, K75.1

ICD-10 codes for coronary heart disease (CHD) I20-I25.9 - ICD-10 codes for stroke (CBVD) G45-G46.8, I60-I63.9, I65-I66.9, I67.0-I67.3, I67.5-I67.6, I68.1-I68.2, I69.0-I69.3

Citation: BHF (2024) Analysis of GBD data

Source: Global Burden of Disease Collaborative Network. <http://ghdx.healthdata.org/gbd-results-tool>
Global Burden of Disease Study 2021 Results. [accessed July 2024]
Seattle, United States: Institute for Health Metrics and Evaluation (IHME), 2024.



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Heart and Circulatory Disease Statistics 2025 - Chapter 3 - Treatment

This chapter reports on different methods of treatment for heart and circulatory diseases (CVD).

Includes tables and figures for trends and latest statistics on the number of prescriptions, operations and cardiac arrest survival in the UK.

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Table 3.1 Prescriptions used in the prevention and treatment of heart and circulatory diseases (CVD), England 1981 to 2024

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	Thousands (000s)																			
Prescriptions	1981	1986	1991	1996	2001	2006	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024
Positive inotropic drugs (2.1)	4,243	3,722	3,822	3,871	4,031	4,126	4,006	3,900	3,770	3,634	3,460	3,297	3,148	3,025	2,907	2,791	2,650	2,591	2,566	2,571.3
Diuretics (2.2)	20,678	21,996	22,195	23,106	30,203	37,582	37,563	37,258	36,650	36,208	35,327	34,509	33,354	32,353	31,573	30,987	29,975	29,764	29,867	30,378.0
Anti-arrhythmic drugs (2.3)	232	334	532	840	1,292	1,265	1,156	1,129	1,107	1,088	1,061	1,048	1,009	987	971	950	926	932	921	927.7
Beta-adrenoreceptor blocking drugs (2.4)	9,827	12,525	14,282	14,375	20,439	27,378	30,924	32,355	33,597	34,860	35,948	37,038	37,817	38,618	39,564	40,331	40,591	41,569	42,771	44,325.4
Antihypertensive and heart failure drugs (2.5)	4,912	4,424	6,431	12,125	25,047	47,742	65,449	67,184	68,652	70,072	70,774	71,453	71,531	72,128	72,986	73,622	73,108	74,708	77,600	81,171.7
Nitrates, calcium blockers & other antianginal drugs (2.6)	5,156	10,314	16,718	21,971	26,814	34,707	43,086	44,675	45,868	46,992	47,812	48,740	49,365	50,201	51,431	52,444	52,720	54,724	57,722	60,956.5
Anticoagulants and protamine (2.8)	629	900	1,356	2,609	4,609	6,790	9,773	10,723	11,906	13,173	14,647	15,938	17,000	17,992	18,871	19,453	19,666	20,379	21,178	22,149.1
Antiplatelet drugs (2.9)	281	1,058	3,619	9,002	18,891	32,779	38,351	38,603	38,661	38,444	37,312	36,297	35,082	34,140	33,346	33,071	32,304	32,203	32,288	32,903.7
Anti-fibrinolytic drugs and haemostatics (2.11)					282	327	392	396	393	408	416	409	402	414	438	442	486	529	576	620.4
Lipid-regulating drugs (2.12)	295	247	1,066	3,138	13,523	42,098	61,649	64,399	66,795	68,437	69,731	70,957	72,612	74,289	76,044	78,348	79,309	82,961	89,271	98,027.3
other BNF sections (small volumes**)							21	25	24	26	32	47	64	89	116	136	153	181	219	269.0
All prescriptions for disease of the circulatory system	46,252	55,520	70,022	91,037	145,131	234,793	292,370	300,647	307,424	313,342	316,520	319,734	321,385	324,236	328,247	332,575	331,888	340,541	354,978	374,300.0

Notes:

The data up to 1990 are not consistent with data from 1991 onwards. Figures up to 1990 are based on fees and on a sample of 1 in 200 prescriptions dispensed by community pharmacists and appliance contractors only.

Figures from 1991 are based on items and cover all prescriptions dispensed by community pharmacists, appliance contractors, dispensing doctors and prescriptions submitted by prescribing doctors for items personally administered. British National Formulary (BNF) codes in parentheses

** section 7 - sympathomimetics and other vasoconstrictor drugs; 10 stable angina, acute coronary syndromes and fibrinolysis; 13 local sclerosants

Citation:

BHF (2025) Analysis of prescription data

Source:

NHS England. Prescription cost analysis 1981 to 2018

<https://digital.nhs.uk/data-and-information/publications/statistical/prescription-cost-analysis>

NHSBSA. Prescription cost analysis from 2019 to 2023 [accessed June 2025]

<https://www.nhsbsa.nhs.uk/statistical-collections/prescription-cost-analysis-england>

Table 3.2 Prescriptions used in the prevention and treatment of heart and circulatory diseases (CVD), Wales 2004/05 to 2023/24

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	Thousands (000s)																			
Prescriptions	2004/05	2005/06	2006/07	2007/08	2008/09	2009/10	2010/11	2011/12	2012/13	2013/14	2014/15	2015/16	2016/17	2017/18	2018/19	2019/20	2020/21	2021/22	2022/23	2023/24
Positive inotropic drugs (2.1)	361	363	354	330	314	307	294	283	270	257	247	232	223	213	203	203	194	188	183	178.1
Diuretics (2.2)	3,004	3,105	3,083	3,005	2,979	2,986	2,973	2,971	2,918	2,882	2,855	2,760	2,696	2,594	2,509	2,476	2,395	2,340	2,269	2,198.3
Anti-arrhythmic drugs (2.3)	104	98	93	85	79	73	67	64	61	61	60	59	59	58	56	57	57	57	58	57.0
Beta-adrenoreceptor blocking drugs (2.4)	2,007	2,115	2,091	2,070	2,113	2,187	2,254	2,356	2,433	2,520	2,600	2,653	2,710	2,744	2,775	2,871	2,862	2,908	2,903	2,892.2
Antihypertensive and heart failure drugs (2.5)	3,181	3,531	3,863	4,180	4,427	4,657	4,816	4,972	5,063	5,191	5,302	5,330	5,381	5,361	5,362	5,489	5,409	5,451	5,427	5,374.9
Nitrates, calcium blockers & other antianginal drugs (2.6)	2,627	2,777	2,932	3,044	3,137	3,228	3,273	3,342	3,385	3,442	3,493	3,511	3,553	3,543	3,560	3,668	3,647	3,712	3,733	3,735.1
Anticoagulants and protamine (2.8)	547	587	621	658	693	733	771	825	884	957	1,053	1,139	1,210	1,245	1,291	1,352	1,350	1,372	1,388	1,397.1
Antiplatelet drugs (2.9)	2,405	2,622	2,747	2,879	3,022	3,038	2,928	2,916	2,877	2,851	2,795	2,668	2,574	2,453	2,354	2,312	2,256	2,230	2,171	2,098.3
Anti-fibrinolytic drugs and haemostatics (2.11)	21	23	24	28	29	29	30	33	32	32	33	32	33	31	33	34	34	37	40	42.4
Lipid-regulating drugs (2.12)	2,712	3,239	3,734	4,041	4,345	4,619	4,715	4,843	4,971	5,092	5,153	5,124	5,136	5,148	5,159	5,306	5,315	5,401	5,473	5,553.6
other BNF sections (small volumes sections 7, 10 & 13**)							1	1	1	1	1	1	2	2	3	4	4	5	6	6.5
All prescriptions for disease of the circulatory system	16,969	18,460	19,542	20,321	21,140	21,858	22,123	22,605	22,896	23,284	23,592	23,510	23,576	23,394	23,305	23,772	23,523	23,702	23,650	23,533.4

Notes: British National Formulary (BNF) codes in parentheses

Citation: BHF (2025) Analysis of prescription data

Source: Health Statistics and Analysis Unit. Prescription cost analysis. Welsh Government: Cardiff.
<https://gov.wales/prescriptions-wales> [accessed Mar 2025]

** section 7 - sympathomimetics and other vasoconstrictor drugs; 10 stable angina, acute coronary syndromes and fibrinolysis; 13 local sclerosants

Table 3.3 Prescriptions used in the prevention and treatment of heart and circulatory diseases (CVD), Scotland 2001/02 to 2023/24

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Thousands (000s)																			
Prescriptions	2001/02	2006/07	2007/08	2008/09	2009/10	2010/11	2011/12	2012/13	2013/14	2014/15	2015/16	2016/17	2017/18	2018/19	2019/20	2020/21	2021/22	2022/23	2023/24
Positive inotropic drugs (2.1)	358	315	305	296	291	283	276	269	260	252	246	241	236	228	228	217	214	214	214.0
Diuretics (2.2)	3,469	3,810	3,680	3,597	3,544	3,457	3,382	3,269	3,154	3,057	2,942	2,848	2,740	2,643	2,626	2,501	2,475	2,444	2,463.3
Anti-arrhythmic drugs (2.3)	102	85	81	77	73	70	71	69	68	67	66	66	65	65	66	64	64	65	66.2
Beta-adrenoreceptor blocking drugs (2.4)	2,508	2,940	2,853	2,850	2,883	2,909	2,957	2,998	3,048	3,102	3,150	3,197	3,235	3,277	3,414	3,356	3,450	3,511	3,609.9
Antihypertensive and heart failure drugs (2.5)	2,298	4,127	4,462	4,693	4,875	4,965	5,045	5,095	5,160	5,220	5,223	5,218	5,187	5,185	5,355	5,174	5,273	5,367	5,532.1
Nitrates, calcium blockers & other antianginal drugs (2.6)	3,278	3,625	3,666	3,683	3,714	3,697	3,699	3,716	3,735	3,738	3,750	3,740	3,722	3,718	3,842	3,729	3,827	3,950	4,121.6
Anticoagulants and protamine (2.8)	489	646	676	707	743	773	819	884	958	1,035	1,108	1,159	1,197	1,231	1,290	1,258	1,295	1,333	1,385.3
Antiplatelet drugs (2.9)	2,461	3,545	3,652	3,743	3,724	3,577	3,506	3,404	3,295	3,218	3,108	3,030	2,926	2,845	2,847	2,764	2,750	2,734	2,748.0
Anti-fibrinolytic drugs and haemostatics (2.11)	35	38	39	41	42	43	44	47	47	47	48	47	47	49	51	49	55	59	60.4
Lipid-regulating drugs (2.12)	1,667	4,081	4,376	4,624	4,826	4,875	4,861	4,907	4,977	5,024	5002	4,989	5,003	5,009	5,173	5,080	5,182	5,322	5,578.6
other BNF sections (small volumes**)	1	1	1	1	1	1	0	1	1	4	1	3	3	3	4	3	5	5	7.0
All prescriptions for disease of the circulatory system	16,667	23,212	23,791	24,312	24,716	24,649	24,660	24,657	24,703	24,764	24,644	24,538	24,361	24,252	24,896	24,197	24,591	25,004	25,786.4

Notes:

Citation:

Source:

British National Formulary (BNF) codes in parentheses

BHF (2025) Analysis of prescription data

Public Health Scotland. Prescription Cost Analysis. NHS National Services: Edinburgh. and previous editions.

www.isdscotland.org/Health-Topics/Prescribing-and-medicines/Community-Dispensing/Prescription-Cost-Analysis/

<https://publichealthscotland.scot/publications/dispenser-payments-and-prescription-cost-analysis/>

** section 7 - sympathomimetics and other vasoconstrictor drugs; 10 stable angina, acute coronary syndromes and fibrinolysis; 13 local sclerosants

[accessed Mar 2025]

[to 2016]

[from 2017]

Table 3.4 Prescriptions used in the prevention and treatment of heart and circulatory diseases (CVD), Northern Ireland 2000 to 2024

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Prescriptions	Thousands (000s)																
	2000	2005	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024
Positive inotropic drugs (2.1)	132	107	95	93	92	90	88	82	80	75	72	70	68	67	67	66	65.3
Diuretics (2.2)	819	1,015	992	1,002	996	978	961	940	926	908	896	898	893	878	871	870	866.6
Anti-arrhythmic drugs (2.3)	41	38	31	32	31	30	29	28	28	27	26	25	25	24	24	24	23.2
Beta-adrenoreceptor blocking drugs (2.4)	641	908	1,020	1,059	1,108	1,150	1,190	1,230	1,277	1,312	1,351	1,395	1,427	1,455	1,490	1,544	1,583.1
Antihypertensive and heart failure drugs (2.5)	602	1,145	1,595	1,640	1,689	1,728	1,770	1,799	1,834	1,854	1,898	1,957	1,986	2,008	2,062	2,137	2,192.6
Nitrates, calcium blockers & other antianginal drugs (2.6)	928	1,001	1,124	1,154	1,188	1,218	1,234	1,255	1,286	1,304	1,340	1,387	1,412	1,432	1,484	1,551	1,609.0
Anticoagulants and protamine (2.8)	138	183	249	274	300	334	366	394	427	454	477	502	519	530	547	564	579.0
Antiplatelet drugs (2.9)	539	957	1,192	1,223	1,239	1,239	1,229	1,202	1,179	1,153	1,137	1,124	1,113	1,094	1,080	1,077	1,072.9
Anti-fibrinolytic drugs and haemostatics (2.11)	10	12	14	16	17	16	16	16	16	16	17	18	18	19	20	21	21.6
Lipid-regulating drugs (2.12)	376	1,047	1,761	1,838	1,901	1,954	1,988	2,035	2,083	2,130	2,180	2,237	2,293	2,338	2,431	2,552	2,648.3
other BNF sections (small volumes**)								3	1	1	2	2	3	3	4	4	4.0
All prescriptions for disease of the circulatory system	4,226	6,413	8,073	8,331	8,560	8,736	8,869	8,984	9,136	9,235	9,396	9,616	9,757	9,848	10,080	10,409	10,665.5

Notes: British National Formulary (BNF) codes in parentheses

Citation: BHF (2025) Analysis of prescription data

Source: HSC (2025). Prescription Cost Analysis. Business Services Organisation: Belfast. [accessed Mar 2025]
www.hscbusiness.hscni.net/services/3177.htm

** section 7 - sympathomimetics and other vasoconstrictor drugs; 10 stable angina, acute coronary syndromes and fibrinolysis; 13 local sclerosants

Table 3.5 Prescriptions used in the prevention and treatment of heart and circulatory diseases (CVD), United Kingdom, latest

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	Thousands (000s)				
Prescriptions	England 2024	Wales 2023/24	Scotland 2023/24	Northern Ireland 2024	UK latest
Positive inotropic drugs (2.1)	2,571.3	178.1	214.0	65.3	3,028.6
Diuretics (2.2)	30,378.0	2,198.3	2,463.3	866.6	35,906.1
Anti-arrhythmic drugs (2.3)	927.7	57.0	66.2	23.2	1,074.2
Beta-adrenoreceptor blocking drugs (2.4)	44,325.4	2,892.2	3,609.9	1,583.1	52,410.5
Antihypertensive and heart failure drugs (2.5)	81,171.7	5,374.9	5,532.1	2,192.6	94,271.3
Nitrates, calcium blockers & other antianginal drugs (2.6)	60,956.5	3,735.1	4,121.6	1,609.0	70,422.1
Anticoagulants and protamine (2.8)	22,149.1	1,397.1	1,385.3	579.0	25,510.5
Antiplatelet drugs (2.9)	32,903.7	2,098.3	2,748.0	1,072.9	38,823.0
Anti-fibrinolytic drugs and haemostatics (2.11)	620.4	42.4	60.4	21.6	744.8
Lipid-regulating drugs (2.12)	98,027.3	5,553.6	5,578.6	2,648.3	111,807.7
<i>other BNF sections (small volumes**)</i>	269.0	6.5	7.0	4.0	286.4
All prescriptions for disease of the cardiovascular system	374,300.0	23,533.4	25,786.4	10,665.5	434,285.3

Notes: Figures based on items and cover all prescriptions dispensed by community pharmacists, appliance contractors, dispensing doctors and prescriptions submitted by prescribing doctors for items personally administered. British National Formulary (BNF) codes in parentheses.

** section 7 - sympathomimetics and other vasoconstrictor drugs; 10 stable angina, acute coronary syndromes and fibrinolysis; 13 local sclerosants

Citation: BHF (2025) Analysis of prescription data

Source: England - NHSBSA (2025). Prescription cost analysis 2024 [accessed June 2025]

<https://www.nhsbsa.nhs.uk/statistical-collections/prescription-cost-analysis-england>

Health Statistics and Analysis Unit (2024). Prescription cost analysis 2023/24. Welsh Government [accessed Mar 2025]

<https://gov.wales/prescriptions-wales>

Public Health Scotland (2024). Prescription Cost Analysis 2023/24 [accessed Mar 2025]

<https://publichealthscotland.scot/publications/dispenser-payments-and-prescription-cost-analysis/>

HSC (2025). Prescription Cost Analysis 2024. Business Services Organisation: Belfast [accessed Mar 2025]

www.hscbusiness.hscni.net/services/3177.htm

Table 3.6 Number of CABGs and PCIs, United Kingdom 1977 to 2023/24[Back to Table of Contents](#)for any content queries please email healthinsights@bhf.org.uk

	Coronary artery bypass surgery (CABG)	Percutaneous coronary interventions (PCI)
1977	2,297	
1978	2,653	
1979	2,918	
1980	4,057	
1981	5,130	
1982	6,008	
1983	8,332	
1984	9,433	
1985	10,667	
1986	10,767	
1987	11,521	
1988	11,113	
1989	12,648	
1990	14,431	
1991	15,659	9,933
1992	19,241	11,575
1993	21,031	12,937
1994	22,056	14,624
1995	22,475	17,344
1996	22,160	20,511
1997	25,639	22,902
1998	25,083	24,899
1999	24,733	28,133
2000	25,127	33,256
2001	24,663	38,992
2002	25,277	44,913
2003	25,461	53,261
2004	25,160	62,780
2005	23,412	70,142
2006	20,941	73,692
2007	22,385	77,373
2008	21,123	80,331
2009	19,245	83,130
2010	18,013	87,676
2011	17,778	88,692
2012	17,142	92,445
2013	17,630	92,589
2014	16,958	96,143
2015	16,166	97,376
2016	15,022	100,483
2017/18	14,731	102,258
2018/19	14,187	100,294
2019/20	14,030	100,112
2020/21	8,426 *	84,709 *
2021/22	10,947 *	92,491 *
2022/23	11,653 *	89,660 *
2023/24	11,694 *	91,092 *

* excludes Scotland
see next sheet

Notes: Operations performed in NHS hospitals and selected private hospitals are included.
All years given represent a financial year e.g. 2011 represents 1st April 2011 - 31st March 2012.

Citation: BHF (2025) Analysis of NICOR/BCIS/SCTS data

Source: Data from 2020/21 to date from NICOR, Adult Cardiac Surgery (NACSA) [accessed Mar 2025]

<https://www.nicor.org.uk/national-cardiac-audit-programme/cardiac-surgery-audit-nacsa>

Data from 2016 to 2019/20 from British Cardiovascular Intervention Society. BCIS Audit returns .

<https://www.bcis.org.uk/audit-results/>

Data up to 2015 taken from The Society for Cardiothoracic Surgery in Great Britain & Ireland (2017).

<https://scts.org/professionals/reports/resources/default.aspx>

Table 3.7 Number of CABGs and PCIs, Scotland 2019/20 to 2023/24

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Procedure	2019/20	2020/21	2021/22	2022/23	2023/24
Coronary Artery Bypass Graft (CABG)	1,147	763	891	916	1,004
Angioplasty (PCI/PCTA)	9,418	9,030	8,891	9,042	9,422

Notes: Previous series (Scottish Heart Disease Statistics) has been discontinued

Citation: BHF (2025) Analysis of PHS cardiac surgery data

Source: Scottish Cardiac Audit Programme (SCAP)

<https://publichealthscotland.scot/publications/scottish-cardiac-audit-programme-scap/>

Table 3.8 Number of valve replacements and repairs, United Kingdom 2002/03 to 2023/24

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Operation	2002/03	2003/04	2004/05	2005/06	2006/07	2007/08	2008/09	2009/10	2010/11	2011/12	2012/13	2013/14	2014/15	2015/16
Aortic valve replacement (AVR) - total activity	7,009	8,145	8,661	10,132	9,969	10,629	11,800	11,343	11,061	11,484	11,857	11,973	12,483	12,322
Isolated AVR procedures	3,777	4,351	4,546	4,971	4,809	5,279	5,815	5,706	5,263	4,865	4,733	4,671	4,767	4,919
Combined AVR and CABG procedures	2,377	2,871	3,032	3,718	3,603	3,727	4,138	3,892	3,684	3,367	3,552	3,287	3,419	3,298

Citation: BHF (2023) Analysis of SCTS data

Source: The Society for Cardiothoracic Surgery in Great Britain & Ireland (2020)
<https://scts.org/professionals/reports/resources/default.aspx>

Operation	2016/17	2017/18	2018/19	2019/20	2020/21	2021/22	2022/23	2023/24
Aortic valve replacement (AVR) - total activity	11,447	11,353	12,608	12,782	10,547	12,515	13,034	15,272
Isolated AVR	5,297	5,041	5,039	4,705	2,818	3,547	3,623	3,672
AVR & CABG	2,896	2,657	2,682	2,401	1,401	1,857	1,716	1,650
TAVI	3,254	3,655	4,887	5,676	6,328	7,111	7,695	9,950

Citation: BHF (2025) Analysis of NICOR data

Source: NICOR, Adult Cardiac Surgery (Surgery Audit) UK data - excluding Scotland (see 3.9) [accessed Mar 2025]
<https://www.nicor.org.uk/adult-cardiac-surgery-surgery-audit/>

Table 3.9 Number of valve replacements and repairs, Scotland 2019/20 to 2023/24

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Procedure	2019/20	2020/21	2021/22	2022/23	2023/24
Aortic valve replacement (AVR) - total activity	1,172	954	1,031	1,187	1,265
Isolated AVR	511	387	363	410	418
AVR & CABG	262	189	180	202	207
TAVI	399	378	488	575	640

Notes: Previous series (Scottish Heart Disease Statistics) has been discontinued

Citation: BHf (2025) Analysis of PHS cardiac surgery data

Source: Scottish Cardiac Audit Programme (SCAP)

<https://publichealthscotland.scot/publications/scottish-cardiac-audit-programme-scap/>

Table 3.10 Number of adult cardiac surgeries, United Kingdom 2015/16 to 2023/24

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Nation	2015/16	2016/17	2017/18	2018/19	2019/20	2020/21	2021/22	2022/23	2023/24
England, Wales & Northern Ireland	32,231	32,195	31,179	30,698	29,573	19,359	24,810	25,769	26,529
Scotland	2,562	2,543	2,522	2,622	2,623	1,964	2,122	2,330	2,366
United Kingdom	34,793	34,738	33,701	33,320	32,196	21,323	26,932	28,099	28,895

Citation: BHF (2025) Analysis of UK cardiac surgery data

Source: NICOR (2025) Adult Cardiac Surgery (Surgery Audit) ENG, WAL & NI data [accessed Mar 2025]
<https://www.nicor.org.uk/adult-cardiac-surgery-surgery-audit/>
Public Health Scotland (2024) Scottish Cardiac Audit Programme (SCAP) [accessed Mar 2025]
<https://publichealthscotland.scot/publications/scottish-cardiac-audit-programme-scap/>

Table 3.11 Cardiothoracic transplant list, United Kingdom 2023/24[Back to Table of Contents](#)for any content queries please email healthinsights@bhf.org.uk

Heart transplant list	New registrations in 2023/24		Total registrations	
	Number	%	Number	%
Remained active / suspended	123	41	375	55
Transplanted	145	48	234	34
Removed	24	8	60	9
Died	9	3	12	2
TOTAL	301		681	

Heart/lung transplant list	Number	Number
Remained active / suspended	3	10
Transplanted #	3	5
Removed	2	5
Died	0	2
TOTAL	8	22

Notes:

Includes re-registrations for second or subsequent transplants

Patients may have received heart, lung, or heart-lung

Transplant activity for the year ending 31 March 2024

Percentages may not add up to 100 due to rounding

Citation:

BHF (2024) Analysis of NHSBT data

Source:

NHS Blood and Transplant (2024). Organ donation and transplantation. NHS

[accessed July 2024]

<https://www.organdonation.nhs.uk/supporting-my-decision/statistics-about-organ-donation/transplant-activity-report/>

Table 3.12 Cardiothoracic transplants, by resident nation, United Kingdom 2010/11 to 2023/24

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Heart	2010/11	2011/12	2012/13	2013/14	2014/15	2015/16	2016/17	2017/18	2018/19	2019/20	2020/21	2021/22	2022/23	2023/24
Country	<i>n</i>	<i>n</i>	<i>n</i>	<i>n</i>	<i>n</i>	<i>n</i>	<i>n</i>	<i>n</i>	<i>n</i>	<i>n</i>	<i>n</i>	<i>n</i>	<i>n</i>	<i>n</i>
England	94	113	119	163	157	167	163	170	158	148	127	136	155	180
Wales	6	8	5	4	7	11	12	3	7	4	6	5	5	10
Scotland	12	13	13	21	16	9	16	16	11	13	21	25	44	33
Northern Ireland	14	4	5	5	0	7	6	8	7	3	3	9	8	8
other #					1		2	1		6	4	3	2	6
UK	126	138	142	193	181	194	199	198	183	174	161	178	214	237

Heart and lung	2010/11	2011/12	2012/13	2013/14	2014/15	2015/16	2016/17	2017/18	2018/19	2019/20	2020/21	2021/22	2022/23	2023/24
Country	<i>n</i>	<i>n</i>	<i>n</i>	<i>n</i>	<i>n</i>	<i>n</i>	<i>n</i>	<i>n</i>	<i>n</i>	<i>n</i>	<i>n</i>	<i>n</i>	<i>n</i>	<i>n</i>
England	1	6	2	9	2	5	2	3	1	5	2	3	1	5
Wales	0	0	0	1	2	0	0	0	0	0	0	0	0	0
Scotland	0	0	0	1	0	0	0	0	0	0	0	0	0	0
Northern Ireland	0	0	0	1	0	0	0	0	0	0	0	0	0	0
UK	1	6	2	12	4	5	2	3	1	5	2	3	1	5

ALL HEART and HEART/LUNG TRANSPLANTS

UK	182	200	201	210	187	179	163	182	215	242
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Notes: # patients whose postcodes were unknown, or resided in Isle of Man, Channel Islands or Republic of Ireland. Excludes lung transplant.

Citation: BHF (2024) Analysis of NHSBT data

Source: Organ Donation and Transplantation. Quarterly and annual activity reports. NHS Blood & Transplant, NHS.

[accessed July 2024]

<https://www.organdonation.nhs.uk/supporting-my-decision/statistics-about-organ-donation/>

Table 3.13 Pacemaker new implants and rate per million population, by country, United Kingdom 2010/11 to 2023/24

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Country	2010/11	2011/12	2012/13	2013/14	2014/15	2015/16	2016/17	2017/18	2018/19	2019/20	2020/21	2021/22		2022/23	2023/24
	rate	rate	rate	rate	rate	rate	rate	rate	rate	rate	rate	first implant	total	total	total
England	528	524	559	594	592	555	555	551	552	558	437	26,999	40,804	44,591	44,639
Wales	-	-	565	560	596	523	456	464	500	500	403	1,453	1,860		
Northern Ireland	-	-	402	413	438	430	372								

		2010		2011		2012		2013		2014		2015		2016	
		n	rate	n	rate	n	rate	n	rate	n	rate	n	rate	n	rate
UK	Total implants	37,200	597	38,239	610	38,770	615	44,503	702	45,131	708	46,110	719	46,227	717
	New Implants	28,091	451	29,482	470	32,120	499	32,567	514	33,893	532	36,454	568	36,446	566

Notes: Pacemaker implant data for England, Wales and Northern Ireland is shown using old method (all procedures except battery changes) for years 2010/11 to 2014/15, and using new method (only first implants) for 2015/16 to 2020/21. Pacemaker data for Scotland are known to be incomplete and are therefore not shown.

Citation: BHF (2025) Analysis of NICOR/EHRA data

Source: Figures for England, Wales and Northern Ireland from National Audit of Cardiac Rhythm Management. [accessed Mar 2025]
<https://www.nicor.org.uk/national-cardiac-audit-programme/cardiac-rhythm-audit-nacrm>
Figures for the UK taken from European Heart Rhythm Association White Book, include both new implants and replacements, and are for the calendar year.
<https://www.escardio.org/static-file/Escardio/Subspecialty/EHRA/Publications/Documents/2017/ehra-white-book-2017.pdf> [URL subject to change]

Table 3.14 Out-of-hospital cardiac arrest (OHCA) overall survival rates, by Ambulance Service, England 2011-12 to 2023-24; 2012 to 2023

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OVERALL SURVIVAL RATES (ALL RESUSCITATION ATTEMPTS)

		Number of resuscitation attempts by Financial Year													popn latest (m)	pmp	Number of resuscitation attempts by Calendar Year													pmp
Ambulance Service	Code	2011/12	2012/13	2013/14	2014/15	2015/16	2016/17	2017/18	2018/19	2019/20	2020/21	2021/22	2022/23	2023/24		2023/24	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2023	
Isle of Wight NHS Trust	R1F	115	100	132	127	139	111	127	124	123	109	136	132	56	0.14	n/a	110	121	126	142	110	133	126	124	112	123	136	69	n/a	
London Ambulance Service NHS Trust	RRU	4,119	4,408	4,239	4,597	4,317	4,357	4,292	3,876	4,242	4,770	4,190	4,533	4,467	8.95	499	4,268	4,341	4,429	4,373	4,348	4,310	4,045	4,070	4,571	4,505	4,461	4,444	497	
North East Ambulance Service NHS Foundation Trust	RX6	1,340	1,645	1,611	1,550	1,720	1,882	2,071	1,837	1,913	2,093	2,183	2,310	2,116	2.71	780	1,603	1,625	1,488	1,717	1,794	2,007	1,904	1,951	2,037	2,193	2,279	2,131	786	
North West Ambulance Service NHS Trust	RX7	2,137	3,414	3,502	3,453	3,371	3,734	3,924	3,515	2,950	3,032	3,622	3,997	3,922	7.60	516	3,024	3,660	3,523	3,151	3,612	3,921	3,652	3,153	2,980	3,407	3,982	3,894	512	
Yorkshire Ambulance Service NHS Trust	RX8	2,730	3,017	2,838	2,742	2,676	3,079	2,940	3,214	2,452	3,017	3,341	3,720	3,405	5.27	647	2,973	2,908	2,719	2,685	2,965	2,968	3,201	2,643	2,770	3,422	3,638	3,417	649	
East Midlands Ambulance Service NHS Trust	RX9	1,487	2,935	2,595	2,608	2,338	2,459	2,227	2,484	2,800	2,959	2,997	3,102	2,867	5.32	539	2,989	2,674	2,515	2,397	2,466	2,307	2,324	2,864	2,847	3,052	3,053	2,869	539	
West Midlands Ambulance Service NHS Foundation Trust	RYA	2,282	2,909	3,861	4,100	4,046	3,794	3,777	3,503	3,579	3,744	3,561	4,004	4,110	6.09	675	2,862	3,470	4,064	4,047	3,850	3,663	3,739	3,485	3,742	3,599	3,938	4,021	661	
East of England Ambulance Service NHS Trust	RYC	3,161	3,059	3,073	3,346	3,127	3,468	3,562	3,385	3,594	3,538	3,591	3,722	3,410	6.47	527	3,132	2,970	3,234	3,274	3,280	3,579	3,458	3,569	3,516	3,638	3,650	3,478	538	
South East Coast Ambulance Service NHS Foundation Trust	RYD	2,270	2,551	2,691	2,728	2,802	3,021	3,023	2,663	2,589	2,633	2,749	2,853	2,671	4.86	549	2,566	2,721	2,690	2,752	2,995	2,980	2,870	2,550	2,633	2,738	2,838	2,618	538	
South Central Ambulance Service NHS Foundation Trust	RYE	1,353	1,031	1,236	1,433	1,392	1,244	1,436	1,962	2,155	2,405	2,418	2,602	1,983	4.48	443	1,103	1,065	1,471	1,450	1,224	1,354	1,816	2,124	2,348	2,392	2,638	1,991	444	
South Western Ambulance Service NHS Foundation Trust	RYF	3,142	3,715	3,750	3,722	3,444	3,680	3,910	3,634	3,592	3,095	3,526	3,557	3,161	5.81	544	3,572	3,821	3,660	3,474	3,757	3,750	3,718	3,636	3,285	3,417	3,582	3,099	533	
England		24,136	28,784	29,528	30,406	29,372	30,829	31,289	30,197	29,989	31,395	32,314	34,532	32,168	57.7	558	28,202	29,376	29,919	29,462	30,401	30,972	30,853	30,169	30,841	32,486	34,195	32,031	555	
		Number discharged from hospital alive by Financial Year (30-day survival from Jan 2021)													popn latest (m)	pmp	Number discharged from hospital alive by Calendar Year (30-day survival from Jan 2021)													pmp
Ambulance Service	Code	2011/12	2012/13	2013/14	2014/15	2015/16	2016/17	2017/18	2018/19	2019/20	2020/21	2021/22	2022/23	2023/24		2023/24	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2023	
Isle of Wight NHS Trust	R1F	5	8	9	7	15	12	14	13	13	9	13	10	5	0.14	n/a	4	12	9	10	13	13	14	13	12	11	8	8	n/a	
London Ambulance Service NHS Trust	RRU	381	390	436	416	388	415	402	419	397	340	397	352	439	8.95	49	369	420	426	413	400	401	424	410	331	387	334	428	48	
North East Ambulance Service NHS Foundation Trust	RX6	108	101	110	74	102	134	182	190	127	127	212	188	218	2.71	80	113	106	64	112	119	166	194	151	106	205	185	220	81	
North West Ambulance Service NHS Trust	RX7	174	256	309	321	311	349	382	308	249	231	283	300	404	7.60	53	220	310	324	302	337	388	320	276	207	278	292	384	51	
Yorkshire Ambulance Service NHS Trust	RX8	167	238	291	292	248	310	301	329	234	263	265	279	313	5.27	59	221	270	286	259	290	313	327	249	251	263	281	306	58	
East Midlands Ambulance Service NHS Trust	RX9	95	203	128	129	130	149	156	196	218	184	201	250	209	5.32	39	212	148	128	138	127	170	181	208	176	217	228	222	42	
West Midlands Ambulance Service NHS Foundation Trust	RYA	195	217	253	340	348	339	343	402	399	306	296	272	283	6.09	47	209	243	316	370	316	343	392	402	333	286	290	276	45	
East of England Ambulance Service NHS Trust	RYC	155	192	200	218	196	293	310	363	302	278	255	250	295	6.47	46	176	196	226	203	248	316	348	332	274	280	210	316	49	
South East Coast Ambulance Service NHS Foundation Trust	RYD	129	153	198	233	213	248	209	223	229	218	299	271	307	4.86	63	153	198	220	230	237	210	214	223	226	281	274	288	59	
South Central Ambulance Service NHS Foundation Trust	RYE	76	162	240	240	189	148	212	262	223	204	218	225	189	4.48	42	154	220	242	211	152	191	263	230	204	208	238	176	39	
South Western Ambulance Service NHS Foundation Trust	RYF	216	334	386	360	307	305	340	370	390	372	358	324	311	5.81	54	321	354	384	310	317	332	357	381	377	367	320	319	55	
England		1,701	2,254	2,560	2,630	2,447	2,702	2,851	3,075	2,781	2,532	2,797	2,721	2,973	57.7	52	2,152	2,477	2,625	2,558	2,556	2,843	3,034	2,875	2,497	2,783	2,660	2,943	51	
		Discharged from hospital alive % by Financial Year (30-day survival from Jan 2021)															Discharged from hospital alive % by Calendar Year (30-day survival from Jan 2021)													
Ambulance Service	Code	2011/12	2012/13	2013/14	2014/15	2015/16	2016/17	2017/18	2018/19	2019/20	2020/21	2021/22	2022/23	2023/24			2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023		
Isle of Wight NHS Trust	R1F	4.3	8.0	6.8	5.5	10.8	10.8	11.0	10.5	10.6	8.3	9.6	7.6	8.9		IOW	3.6	9.9	7.1	7.0	11.8	9.8	11.1	10.5	10.7	8.9	5.9	11.6		
London Ambulance Service NHS Trust	RRU	9.2	8.8	10.3	9.0	9.0	9.5	9.4	10.8	9.4	7.1	9.5	7.8	9.8		LON	8.6	9.7	9.6	9.4	9.2	9.3	10.5	10.1	7.2	8.6	7.5	9.6		
North East Ambulance Service NHS Foundation Trust	RX6	8.1	6.1	6.8	4.8	5.9	7.1	8.8	10.3	6.6	6.1	9.7	8.1	10.3		NE	7.0	6.5	4.3	6.5	6.6	8.3	10.2	7.7	5.2	9.3	8.1	10.3		
North West Ambulance Service NHS Trust	RX7	8.1	7.5	8.8	9.3	9.2	9.3	9.7	8.8	8.4	7.6	7.8	7.5	10.3		NW	7.3	8.5	9.2	9.6	9.3	9.9	8.8	8.8	6.9	8.2	7.3	9.9		
Yorkshire Ambulance Service NHS Trust	RX8	6.1	7.9	10.3	10.6	9.3	10.1	10.2	10.2	9.5	8.7	7.9	7.5	9.2		YO	7.4	9.3	10.5	9.6	9.8	10.5	10.2	9.4	9.1	7.7	7.7	9.0		
East Midlands Ambulance Service NHS Trust	RX9	6.4	6.9	4.9	4.9	5.6	6.1	7.0	7.9	7.8	6.2	6.7	8.1	7.3		EM	7.1	5.5	5.1	5.8	5.2	7.4	7.8	7.3	6.2	7.1	7.5	7.7		
West Midlands Ambulance Service NHS Foundation Trust	RYA	8.5	7.5	6.6	8.3	8.6	8.9	9.1	11.5	11.1	8.2	8.3	6.8	6.9		WM	7.3	7.0	7.8	9.1	8.2	9.4	10.5	11.5	8.9	7.9	7.4	6.9		
East of England Ambulance Service NHS Trust	RYC	4.9	6.3	6.5	6.5	6.3	8.4	8.7	10.7	8.4	7.9	7.1	6.7	8.7		EAST	5.6	6.6	7.0	6.2	7.6	8.8	10.1	9.3	7.8	7.7	5.8	9.1		
South East Coast Ambulance Service NHS Foundation Trust	RYD	5.7	6.0	7.4	8.5	7.6	8.2	6.9	8.4	8.8	8.3	10.9	9.5	11.5		SEC	6.0	7.3	8.2	8.4	7.9	7.0	7.5	8.7	8.6	10.3	9.7	11.0		
South Central Ambulance Service NHS Foundation Trust	RYE	5.6	15.7	19.4	16.7	13.6	11.9	14.8	13.4	10.3	8.5	9.0	8.6	9.5		SC	14.0	20.7	16.5	14.6	12.4	14.1	14.5	10.8	8.7	8.7	9.0	8.8		
South Western Ambulance Service NHS Foundation Trust	RYF	6.9	9.0	10.3	9.7	8.9	8.3	8.7	10.2	10.9	12.0	10.2	9.1	9.8		SW	td													

Notes:

Data for South Western Ambulance Service includes Great Western Ambulance Service up to January 2013, when they merged.

Survival to discharge then 30-day survival from Jan 2021

Population values - BHF analysis of ONS (2024) mid-2023 estimates

Citation: BHF (2025) Analysis of NHS/Warwick OHCA data**Source:** NHS England (2025) Ambulance Quality Indicators; Out of Hospital Cardiac Arrest Outcome study, University of Warwick

[AmbCO series; accessed April 2025; recent data subject to revision]

NB statistics for Wales and Northern Ireland are not routinely published

Data from IOW missing for Apr-Oct 2023 at time of publication, so pmp calculation not made

<https://www.england.nhs.uk/statistics/statistical-work-areas/ambulance-quality-indicators/>

Table 3.15 Out-of-hospital cardiac arrest (OHCA) Utstein survival rates, by Ambulance Service, England 2011-12 to 2023-24; 2012 to 2023

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UTSTEIN COHORT ONLY

		Number of resuscitation attempts by Financial Year													popn	pmp	Number of resuscitation attempts by Calendar Year												
Ambulance Service	Code	2011/12	2012/13	2013/14	2014/15	2015/16	2016/17	2017/18	2018/19	2019/20	2020/21	2021/22	2022/23	2023/24	latest (m)	2023/24	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	
Isle of Wight NHS Trust	R1F	24	10	28	27	30	23	27	19	20	9	13	19	6	0.14	n/a	15	23	30	25	28	22	24	20	12	8	21	10	
London Ambulance Service NHS Trust	RRU	536	553	578	518	542	583	571	532	600	526	526	544	526	8.95	59	535	579	521	556	543	579	551	592	547	538	513	545	
North East Ambulance Service NHS Foundation Trust	RX6	318	199	133	166	141	219	331	227	246	291	312	286	288	2.71	106	263	123	146	161	188	303	252	229	302	303	294	287	
North West Ambulance Service NHS Trust	RX7	252	423	417	395	414	464	551	507	476	447	591	602	632	7.60	83	362	447	383	394	448	554	517	499	436	532	603	643	
Yorkshire Ambulance Service NHS Trust	RX8	332	446	382	301	295	510	531	380	337	407	484	442	450	5.27	85	428	397	316	328	423	526	434	335	385	486	460	420	
East Midlands Ambulance Service NHS Trust	RX9	197	482	308	277	281	338	325	343	377	345	409	423	425	5.32	80	475	366	271	267	309	373	319	374	354	395	421	391	
West Midlands Ambulance Service NHS Foundation Trust	RYA	285	315	414	485	489	432	414	472	546	530	536	548	573	6.09	94	335	379	436	519	434	407	456	516	566	527	553	553	
East of England Ambulance Service NHS Trust	RYC	365	388	322	310	313	376	410	415	521	457	533	573	508	6.47	79	384	317	309	323	349	419	394	527	460	518	554	525	
South East Coast Ambulance Service NHS Foundation Trust	RYD	219	314	300	376	392	370	392	394	396	441	489	459	449	4.86	92	313	313	337	380	397	389	394	376	453	464	463	457	
South Central Ambulance Service NHS Foundation Trust	RYE	176	114	160	399	336	359	422	266	297	327	302	318	231	4.48	52	169	125	355	356	347	394	300	295	341	287	340	227	
South Western Ambulance Service NHS Foundation Trust	RYF	482	540	568	567	498	528	630	568	607	505	594	580	536	5.81	92	525	560	585	512	511	587	581	634	519	555	613	533	
England		3,186	3,784	3,610	3,821	3,731	4,202	4,604	4,123	4,423	4,285	4,789	4,794	4,624	57.7	80	3,804	3,629	3,689	3,821	3,977	4,553	4,222	4,397	4,375	4,613	4,835	4,591	

		Number discharged from hospital alive by Financial Year (30-day survival from Jan 2021)														popn	pmp	Number discharged from hospital alive by Calendar Year (30-day survival from Jan 2021)													
Ambulance Service	Code	2011/12	2012/13	2013/14	2014/15	2015/16	2016/17	2017/18	2018/19	2019/20	2020/21	2021/22	2022/23	2023/24	latest (m)	2023/24	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023			
Isle of Wight NHS Trust	R1F	4	5	6	6	13	7	9	8	5	1	2	4	2	0.14	n/a	4	6	8	9	9	6	10	6	3	0	5	2			
London Ambulance Service NHS Trust	RRU	167	158	187	163	171	172	182	194	180	146	137	140	158	8.95	18	158	177	168	187	160	179	188	191	148	146	114	171			
North East Ambulance Service NHS Foundation Trust	RX6	82	56	43	44	47	75	116	82	58	90	108	90	109	2.71	40	66	40	36	56	66	104	89	64	84	106	93	111			
North West Ambulance Service NHS Trust	RX7	54	96	99	90	103	122	140	140	129	106	147	137	175	7.60	23	73	111	84	100	118	138	140	144	97	140	131	177			
Yorkshire Ambulance Service NHS Trust	RX8	69	121	124	123	111	188	152	111	117	97	102	99	109	5.27	21	120	109	120	131	149	171	126	111	103	100	105	97			
East Midlands Ambulance Service NHS Trust	RX9	40	114	55	43	54	72	77	88	107	71	84	89	102	5.32	19	101	81	39	55	60	88	82	98	83	80	86	94			
West Midlands Ambulance Service NHS Foundation Trust	RYA	51	46	84	100	120	114	126	156	169	118	132	127	153	6.09	25	48	78	94	119	107	122	150	166	137	122	140	138			
East of England Ambulance Service NHS Trust	RYC	87	97	63	64	74	118	117	162	153	140	123	148	164	6.47	25	90	71	55	81	96	127	148	165	138	136	121	177			
South East Coast Ambulance Service NHS Foundation Trust	RYD	49	52	64	98	83	93	100	100	107	100	141	124	139	4.86	29	54	64	87	88	95	98	94	103	101	132	129	136			
South Central Ambulance Service NHS Foundation Trust	RYE	18	26	60	118	89	82	133	87	89	67	81	96	73	4.48	16	27	42	115	100	79	121	93	95	72	72	107	64			
South Western Ambulance Service NHS Foundation Trust	RYF	82	139	166	157	138	126	145	141	179	142	152	156	153	5.81	26	121	149	177	140	126	138	138	180	144	149	156	162			
England		703	910	951	1,006	1,003	1,169	1,297	1,269	1,293	1,078	1,209	1,210	1,337	57.7	23	862	928	983	1,066	1,065	1,292	1,258	1,323	1,110	1,183	1,187	1,329			

		Discharged from hospital alive % by Financial Year (30-day survival from Jan 2021)														Discharged from hospital alive % by Calendar Year (30-day survival from Jan 2021)												
Ambulance Service	Code	2011/12	2012/13	2013/14	2014/15	2015/16	2016/17	2017/18	2018/19	2019/20	2020/21	2021/22	2022/23	2023/24		2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	
Isle of Wight NHS Trust	R1F	16.7	50.0	21.4	22.2	43.3	30.4	33.3	42.1	25.0	11.1	15.4	21.1	33.3	IOW	26.7	26.1	26.7	36.0	32.1	27.3	41.7	30.0	25.0	0.0	23.8	20.0	
London Ambulance Service NHS Trust	RRU	31.2	28.6	32.4	31.5	31.5	29.5	31.9	36.5	30.0	27.8	26.0	25.7	30.0	LON	29.5	30.6	32.2	33.6	29.5	30.9	34.1	32.3	27.1	27.1	22.2	31.4	
North East Ambulance Service NHS Foundation Trust	RX6	25.8	28.1	32.3	26.5	33.3	34.2	35.0	36.1	23.6	30.9	34.6	31.5	37.8	NE	25.1	32.5	24.7	34.8	35.1	34.3	35.3	27.9	27.8	35.0	31.6	38.7	
North West Ambulance Service NHS Trust	RX7	21.4	22.7	23.7	22.8	24.9	26.3	25.4	27.6	27.1	23.7	24.9	22.8	27.7	NW	20.2	24.8	21.9	25.4	26.3	24.9	27.1	28.9	22.2	26.3	21.7	27.5	
Yorkshire Ambulance Service NHS Trust	RX8	20.8	27.1	32.5	40.9	37.6	36.9	28.6	29.2	34.7	23.8	21.1	22.4	24.2	YO	28.0	27.5	38.0	39.9	35.2	32.5	29.0	33.1	26.8	20.6	22.8	23.1	
East Midlands Ambulance Service NHS Trust	RX9	20.3	23.7	17.9	15.5	19.2	21.3	23.7	25.7	28.4	20.6	20.5	21.0	24.0	EM	21.3	22.1	14.4	20.6	19.4	23.6	25.7	26.2	23.4	20.3	20.4	24.0	
West Midlands Ambulance Service NHS Foundation Trust	RYA	17.9	14.6	20.3	20.6	24.5	26.4	30.4	33.1	31.0	22.3	24.6	23.2	26.7	WM	14.3	20.6	21.6	22.9	24.7	30.0	32.9	32.2	24.2	23.1	25.3	25.0	
East of England Ambulance Service NHS Trust	RYC	23.8	25.0	19.6	20.6	23.6	31.4	28.5	39.0	29.4	30.6	23.1	25.8	32.3	EAST	23.4	22.4	17.8	25.1	27.5	30.3	37.6	31.3	30.0	26.3	21.8	33.7	
South East Coast Ambulance Service NHS Foundation Trust	RYD	22.4	16.6	21.3	26.1	21.2	25.1	25.5	25.4	27.0	22.7	28.8	27.0	31.0	SEC	17.3	20.4	25.8	23.2	23.9	25.2	23.9	27.4	22.3	28.4	27.9	29.8	
South Central Ambulance Service NHS Foundation Trust	RYE	10.2	22.8	37.5	29.6	26.5	22.8	31.5	32.7	30.0	20.5	26.8	30.2	31.6	SC	16.0	33.6	32.4	28.1	22.8	30.7	31.0	32.2	21.1	25.1	31.5	28.2	
South Western Ambulance Service NHS Foundation Trust	RYF	17.0	25.7	29.2	27.7	27.7	23.9	23.0	24.8	29.5	28.1	25.6	26.9	28.5	SW	23.0	26.6	30.3	27.3	24.7	23.5	23.8	28.4	27.7	26.8	25.4	30.4	
England		22.1	24.0	26.3	26.3	26.9	27.8	28.2	30.8	29.2	25.2	25.2	25.2	28.9	All	22.7	25.6	26.6	27.9	26.8	28.4	29.8	30.1	25.4	25.6	24.6	28.9	

Notes: Data for South Western Ambulance Service includes Great Western Ambulance Service up to January 2013, when they merged.
Utstein: patients who had resuscitation commenced/continued by ambulance service; presumed cardiac-caused OHCA, bystander witnessed; initial rhythm was ventricular fibrillation (VF) or ventricular tachycardia (VT)
Population values - BHF analysis of ONS (2024) mid-2023 estimates
Survival to discharge then 30-day survival from Jan 2021 NB statistics for Wales and Northern Ireland are not routinely published;
Citation: BHF (2025) Analysis of NHS/Warwick OHCA data
Source: NHS England (2025) Ambulance Quality Indicators; Out of Hospital Cardiac Arrest Outcome study, University of Warwick <https://www.england.nhs.uk/statistics/statistical-work-areas/ambulance-quality-indicators/>

[AmbCO series; accessed April 2025; recent data subject to revision]

Data from IOW missing for Apr-Oct 2023 at time of publication, so pmp calculation not made

Table 3.16 Out-of-hospital cardiac arrest (OHCA) survival rates, Scotland 2011-12 to 2023-24

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Scottish Ambulance Service	2011-12	2012-13	2013-14	2014-15	2015-16	2016-17	2017-18	2018-19	2019-20	2020-21	2021-22	2022-23	2023-24
Number of resuscitation attempts	2,675	3,034	3,021	3,259	3,137	3,443	3,541	3,290	3,359	3,523	3,835	3,915	3,752
Number of survivors (at 30 days)	191	227	229	253	238	289	290	360	322	239	333	310	361
Number 30-day survivors per million population	36	43	43	47	44	53	53	66	59	44	61	57	66
Proportion alive at 30 days %	7.1	7.5	7.6	7.8	7.6	8.4	8.2	10.9	9.6	6.8	8.7	7.9	9.6

Utstein cohort only	2011-12	2012-13	2013-14	2014-15	2015-16	2016-17	2017-18	2018-19	2019-20	2020-21	2021-22	2022-23	2023-24
Utstein survival rate at 30 days %	16.3	18.0	18.7	17.6	17.9	21.4	19.9	25.2	24.8	22.6	25.9	24.4	29.3

Notes: This series replaces the Scottish Government's linkage project results which appeared in previous compendia
Utstein - patients who had resuscitation commenced/continued by ambulance service; presumed cardiac-caused OHCA, bystander witnessed; initial rhythm was ventricular fibrillation (VF) or ventricular tachycardia (VT)

Citation: BHF (2025) Analysis of Scottish OHCA data [accessed June 2025; whole series revised]

Source: Scottish Ambulance Service (2024) Scotland's Out-of-Hospital Cardiac Arrest Report 2023-24 and previous <https://www.scottishambulance.com/publications/Out-of-Hospital-Cardiac-Arrest-Annual-Report/>



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Heart and Circulatory Disease Statistics 2025 - Chapter 4 - Costs

In this chapter we present the cost to the NHS and the wider economy of treating heart and circulatory diseases (CVD) in the UK

UK

4.1 Economic and healthcare costs of heart and circulatory disease (CVD), UK - 2019/20 to 2021/22

ENGLAND

4.2 Economic and healthcare costs of heart and circulatory disease (CVD), England - 2019/20 to 2021/22

SCOTLAND

4.3 Economic and healthcare costs of heart and circulatory disease (CVD), Scotland - 2019/20 to 2021/22

WALES

4.4 Economic and healthcare costs of heart and circulatory disease (CVD), Wales - 2019/20 to 2021/22

4.5 NHS expenditure on CVD by Health Board, Wales - 2021/22 & 2022/23

NORTHERN IRELAND

4.6 Economic and healthcare costs of heart and circulatory disease (CVD), Northern Ireland - 2019/20 to 2021/22

4.1 Economic and healthcare costs of heart and circulatory diseases (CVD), UK 2019/20 to 2021/22

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Healthcare Costs UK (£ millions)	2019/20	2020/21	2021/22
Inpatient Care	5,903	6,259	6,732
Outpatient Care	901	924	1,011
Accident & Emergency	357	392	328
Primary Care	1,424	1,266	1,556
Medications	1,806	1,854	1,940
Medical Devices	307	244	404
Total NHS Costs	10,697	10,939	11,971

Other Costs UK (£ millions)	2019/20	2020/21	2021/22
Long Term Care	3,903	4,384	4,649
Losses from Morbidity	1,805	1,371	1,481
Losses from Mortality	4,170	4,472	4,544
Informal Care	5,715	5,433	6,377
Total Other Costs	15,593	15,661	17,050

Total Cost of CVD	26,290	26,600	29,021
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Notes: Previous compendia included draft estimates. All costs are represented in real terms in GBP (£) in 2022
Latest European Cardiovascular Disease Statistics from European Heart Network (EHN) did not update CVD costs
Analysis includes all heart and circulatory diseases - including care costs for vascular dementia and stroke

Citation: BHF (2025) Analysis of UK CVD costs

Source: Shih et al (2025) Economic Burden of Cardiovascular Disease in the UK, EHJ-QCCO [accessed June 2025]
<https://academic.oup.com/ehjqcco/advance-article/doi/10.1093/ehjqcco/qcaf011/8038270>

4.2 Economic and healthcare costs of heart and circulatory diseases (CVD), England 2019/20 to 2021/22

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Healthcare Costs - England (£ millions)	2019/20	2020/21	2021/22
Inpatient Care	4,829	5,252	5,575
Outpatient Care	772	811	884
Accident & Emergency	309	339	287
Primary Care	1,126	977	1,261
Medications	1,498	1,547	1,615
Medical Devices	259	206	341
Total NHS Costs	8,793	9,132	9,963

Other Costs - England (£ millions)	2019/20	2020/21	2021/22
Long Term Care	3,296	3,700	3,920
Losses from Morbidity	1,420	1,059	1,176
Losses from Mortality	3,364	3,623	3,669
Informal Care	4,773	4,540	5,327
Total Other Costs	12,852	12,922	14,092

Total Cost of CVD	21,645	22,054	24,055
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Notes: Previous compendia included draft estimates. All costs are represented in real terms in GBP (£) in 2022
 Analysis includes all heart and circulatory diseases - including care costs for vascular dementia and stroke

Citation: BHF (2025) Analysis of CVD costs

Source: Shih et al (2025) Economic Burden of Cardiovascular Disease in the UK, EHJ-QCCO [accessed June 2025]
<https://academic.oup.com/ehjqcco/advance-article/doi/10.1093/ehjqcco/qcaf011/8038270>

4.3 Economic and healthcare costs of heart and circulatory diseases (CVD), Scotland 2019/20 to 2021/22

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Healthcare Costs - Scotland (£ millions)	2019/20	2020/21	2021/22
Inpatient Care	555.6	484.7	583.2
Outpatient Care	44.1	38.6	43.6
Accident & Emergency	23.1	24.5	18.7
Primary Care	129.7	118.5	111.9
Medications	153.5	148.0	159.0
Medical Devices	25.1	19.9	33.1
Total NHS Costs	931.1	834.3	949.5

Other Costs - Scotland (£ millions)	2019/20	2020/21	2021/22
Long Term Care	333.5	371.8	395.6
Losses from Morbidity	192.9	149.0	136.0
Losses from Mortality	456.4	485.4	504.3
Informal Care	495.1	469.2	552.1
Total Other Costs	1,478.0	1,475.3	1,588.0

Total Cost of CVD	2,409.0	2,309.6	2,537.5
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Notes: Previous compendia included draft estimates. All costs are represented in real terms in GBP (£) in 2022
Analysis includes all heart and circulatory diseases - including care costs for vascular dementia and stroke

Citation: BHF (2025) Analysis of CVD costs

Source: Shih et al (2025) Economic Burden of Cardiovascular Disease in the UK, EHJ-QCCO [accessed June 2025]
<https://academic.oup.com/ehjqcco/advance-article/doi/10.1093/ehjqcco/qcaf011/8038270>

4.4 Economic and healthcare costs of heart and circulatory diseases (CVD), Wales 2019/20 to 2021/22

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Healthcare Costs - Wales (£ millions)	2019/20	2020/21	2021/22
Inpatient Care	381.1	408.9	430.6
Outpatient Care	59.4	61.6	66.8
Accident & Emergency	13.9	12.9	9.6
Primary Care	131.4	132.9	141.7
Medications	87.3	92.9	98.4
Medical Devices	14.5	11.5	19.1
Total NHS Costs	687.4	720.7	766.2

Other Costs - Wales (£ millions)	2019/20	2020/21	2021/22
Long Term Care	189.9	215.0	227.5
Losses from Morbidity	114.7	98.2	101.5
Losses from Mortality	234.0	247.9	257.4
Informal Care	293.3	278.2	323.7
Total Other Costs	831.9	839.4	910.2

Total Cost of CVD	1,519.3	1,560.1	1,676.4
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Notes: Previous compendia included draft estimates (and see also next tab). All costs are represented in real terms in GBP (£) in 2022

Analysis includes all heart and circulatory diseases - including care costs for vascular dementia and stroke

Citation: BHF (2025) Analysis of CVD costs

Source: Shih et al (2025) Economic Burden of Cardiovascular Disease in the UK, EHJ-QCCO [accessed June 2025]

<https://academic.oup.com/ehjqcco/advance-article/doi/10.1093/ehjqcco/qcaf011/8038270>

Table 4.5 NHS expenditure on CVD by Health Board, Wales 2021/22 & 2022/23

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2022/23

HSC Trust Name	Expenditure per head / £				Expenditure (£ millions)				Percentage of total expenditure (%)			
	CHD	Stroke	Other CVD	Total CVD	CHD	Stroke	Other CVD	Total CVD	CHD	Stroke	Other CVD	Total CVD
Aneurin Bevan LHB	29.3	35.2	142.5	207.1	17.3	20.8	84.3	122.5	1.0	1.2	4.9	7.1
Betsi Cadwaladr UHB	43.8	51.7	146.1	241.7	30.2	35.6	100.5	166.3	1.5	1.7	4.9	8.1
Cardiff & Vale UHB	29.9	29.2	119.0	178.1	15.1	14.8	60.2	90.0	1.1	1.1	4.4	6.6
Cwm Taf Morgannwg UHB	42.5	37.4	143.2	223.0	18.8	16.6	63.6	99.0	1.4	1.2	4.7	7.3
Hywel Dda UHB	43.4	52.9	156.6	252.9	16.7	20.4	60.3	97.4	1.4	1.7	5.1	8.3
Powys Teaching HB	44.5	74.4	169.4	288.2	6.0	10.0	22.7	38.6	1.5	2.5	5.6	9.6
Swansea Bay UHB	35.1	39.5	164.6	239.1	13.4	15.1	63.1	91.7	1.1	1.3	5.4	7.8
Wales	37.5	42.6	145.2	225.3	117.6	133.3	454.6	705.5	1.3	1.4	4.9	7.6

2021/22

HSC Trust Name	Expenditure per head / £				Expenditure (£ millions)				Percentage of total expenditure (%)			
	CHD	Stroke	Other CVD	Total CVD	CHD	Stroke	Other CVD	Total CVD	CHD	Stroke	Other CVD	Total CVD
Aneurin Bevan LHB	35.3	30.1	133.2	198.6	20.8	17.7	78.3	116.8	1.3	1.1	4.8	7.1
Betsi Cadwaladr UHB	38.3	42.0	136.0	216.3	26.3	28.8	93.4	148.6	1.4	1.5	4.8	7.7
Cardiff & Vale UHB	30.6	31.2	94.8	156.6	15.0	15.4	46.6	77.0	1.2	1.2	3.6	6.0
Cwm Taf Morgannwg UHB	43.7	42.1	133.5	219.2	19.3	18.6	59.0	96.9	1.5	1.4	4.6	7.5
Hywel Dda UHB	45.1	45.3	149.7	240.2	17.3	17.3	57.3	91.9	1.5	1.5	5.1	8.2
Powys Teaching HB	41.2	61.5	148.5	251.1	5.5	8.2	19.8	33.5	1.4	2.1	5.1	8.6
Swansea Bay UHB	38.5	42.8	147.5	228.8	14.6	16.2	56.0	86.9	1.3	1.5	5.0	7.8
Wales	38.3	39.4	132.2	209.8	118.8	122.3	410.5	651.6	1.4	1.4	4.7	7.4

Notes:

Programme costs may include an element of cost apportioned to CVD, rather than allocated by detailed activity information.

Some services are commissioned on a 'host' authority basis and have not been recharged to HB area.

Programme budget categories are defined by reference to ICD-10 codes (NB narrower definition than in Table 4.4)

Citation:

BHF (2024) Analysis of PHW data

Source:

Public Health Wales, NHS expenditure by programme budget category [accessed July 2024]

<https://statswales.gov.wales/Catalogue/Health-and-Social-Care/Health-Finance/NHS-Programme-Budget>

4.6 Economic and healthcare costs of heart and circulatory diseases (CVD), Northern Ireland 2019/20 to 2021/22

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Healthcare Costs - Northern Ireland (£ millions)	2019/20	2020/21	2021/22
Inpatient Care	136.9	112.4	143.6
Outpatient Care	25.3	13.0	16.4
Accident & Emergency	11.4	15.6	12.4
Primary Care	36.3	37.8	41.1
Medications	67.5	66.3	67.7
Medical Devices	8.7	6.9	11.5
Total NHS Costs	286.2	252.1	292.6

Other Costs - Northern Ireland (£ millions)	2019/20	2020/21	2021/22
Long Term Care	83.8	97.1	105.7
Losses from Morbidity	77.8	64.9	67.5
Losses from Mortality	116.0	116.1	112.8
Informal Care	153.6	146.4	174.5
Total Other Costs	431.1	424.6	460.5

Total Cost of CVD	717.3	676.7	753.0
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Notes: Previous compendia included draft estimates. All costs are represented in real terms in GBP (£) in 2022
Analysis includes all heart and circulatory diseases - including care costs for vascular dementia and stroke

Citation: BHF (2025) Analysis of CVD costs

Source: Shih et al (2025) Economic Burden of Cardiovascular Disease in the UK, EHJ-QCCO [accessed June 2025]
<https://academic.oup.com/ehjqcco/advance-article/doi/10.1093/ehjqcco/qcaf011/8038270>

Heart and Circulatory Disease Statistics 2025 - Chapter 5 - Risk Factors

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5.32	Prevalence of cigarette smoking among adults by deprivation quintile, England, Scotland, Wales, Northern Ireland, latest
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5.33	Percentage of adults exceeding weekly alcohol consumption guidelines by age and sex, England, Scotland, Wales, Northern Ireland and UK, latest
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5.36	Heart and circulatory diseases (CVD), coronary heart disease (CHD), and stroke (CBVD) deaths and DALYs attributable to modifiable risk factors - global estimates, 2021

Table 5.1 Percentage of heart and circulatory diseases (CVD), coronary heart disease (CHD), and stroke (CBVD) attributable to modifiable risk factors, UK, 2011, 2016, 2021

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Reset to Published Order	RISK FACTOR (% attributable)	estimated burden - UK DEATHS and attributable totals (k)												estimated burden - UK DALYs								
		Heart and circulatory diseases (CVD)			2021 deaths (k)	Coronary heart disease (CHD)			2021 deaths (k)	Stroke (CBVD)			2021 deaths (k)	Heart and circulatory diseases (CVD)			Coronary heart disease (CHD)			Stroke (CBVD)		
		2011	2016	2021		2011	2016	2021		2011	2016	2021		2011	2016	2021	2011	2016	2021	2011	2016	2021
	All modifiable risk factors	73.5%	71.3%	70.9%		89.3%	88.8%	89.0%		77.9%	76.5%	76.7%		71.9%	69.9%	69.5%	90.6%	90.2%	90.3%	78.3%	77.1%	77.4%
	High systolic blood pressure (hypertension)	42.2%	41.2%	41.3%	65.9	47.9%	47.3%	47.8%	36.5	50.8%	50.1%	50.7%	20.7	40.8%	39.9%	39.9%	47.7%	47.1%	47.6%	51.6%	51.0%	51.6%
	Dietary risks (lack of wholegrains, nuts, seeds, fruit, veg, etc; excess salt, sugar)	25.9%	25.2%	25.0%	40.0	43.8%	43.9%	43.8%	33.5	6.7%	6.6%	6.5%	2.7	27.0%	26.3%	25.9%	47.6%	47.7%	47.5%	7.6%	7.5%	7.6%
	High LDL (bad) cholesterol	20.7%	19.4%	19.2%	30.6	31.3%	31.2%	31.2%	23.8	18.0%	16.9%	16.5%	6.7	22.3%	21.1%	20.8%	36.5%	36.4%	36.2%	17.9%	17.0%	17.1%
	Impaired kidney function (dysfunction; renal failure)	12.5%	11.7%	11.8%	18.8	18.7%	18.2%	18.4%	14.1	9.0%	8.6%	8.8%	3.6	10.1%	9.5%	9.6%	15.6%	15.1%	15.4%	8.1%	7.8%	8.0%
	High body-mass index (obesity and excess weight)	10.3%	10.7%	11.1%	17.7	13.3%	13.8%	14.2%	10.9	4.9%	5.0%	5.2%	2.1	11.8%	12.1%	12.4%	15.8%	16.3%	16.7%	6.5%	6.7%	7.0%
	Tobacco (cigarette smoking, second-hand smoke)	12.5%	11.2%	10.8%	17.2	16.1%	15.0%	14.7%	11.2	9.3%	8.5%	8.3%	3.4	15.8%	14.1%	13.5%	21.3%	19.9%	19.3%	13.1%	12.1%	11.6%
	High fasting plasma glucose (diabetes)	9.6%	9.6%	10.2%	16.3	12.1%	12.8%	13.7%	10.4	10.5%	10.5%	11.0%	4.5	8.6%	8.7%	9.3%	11.5%	12.2%	13.1%	9.5%	9.6%	10.2%
	Non-optimal (low/high) temperature	5.4%	5.6%	5.5%	8.7	5.2%	5.6%	5.5%	4.2	8.7%	9.1%	9.0%	3.7	4.7%	4.9%	4.8%	5.1%	5.4%	5.3%	7.3%	7.6%	7.3%
	Air pollution (particulate matter)	7.6%	5.8%	5.4%	8.6	10.9%	8.7%	8.2%	6.3	7.6%	6.0%	5.7%	2.3	7.2%	5.5%	5.1%	10.9%	8.7%	8.2%	7.6%	6.0%	5.6%
	Low physical activity (inactivity, sedentary behaviour)	4.2%	3.9%	3.8%	6.1	6.6%	6.6%	6.5%	5.0	2.9%	2.7%	2.7%	1.1	3.8%	3.6%	3.6%	5.8%	5.8%	5.8%	3.6%	3.4%	3.5%
	Other environmental risks (e.g. lead exposure)	3.2%	3.1%	2.9%	4.7	3.6%	3.4%	3.3%	2.5	3.6%	3.5%	3.3%	1.4	3.0%	2.8%	2.6%	3.4%	3.2%	3.0%	3.6%	3.4%	3.2%
	High alcohol use (misuse; binge drinking)	1.3%	1.4%	1.5%	2.3	*	*	*	*	8.8%	8.5%	8.8%	3.6	1.3%	1.5%	1.6%	*	*	*	9.0%	8.8%	9.1%
	Other (non-modifiable) risk factors/unknown	26.5%	28.7%	29.1%		10.7%	11.2%	11.0%		22.1%	23.5%	23.3%		28.1%	30.1%	30.5%	9.4%	9.8%	9.7%	21.7%	22.9%	22.6%

Notes

Annual attributable deaths rounded. All figures are modelled estimates; inputs will be revised and therefore results can differ significantly between each edition.

Non-modifiable risk factors (age, sex, family history, ethnicity, deprivation/socioeconomic status etc) are not included in this analysis.

DALYs - disability-adjusted life years - sum of lost healthy years across the population

* = does not show as a risk factor for this condition

ICD-10 codes for cardiovascular disease (CVD) B33.2, G45-G46.8, I01-I01.9, I02.0, I05-I09.9, I11-I11.9, I20-I25.9, I27.0, I27.2, I28-I28.9, I30-I31.1, I31.8-I37.8, I38-I41.9, I42.1-I42.8, I43-I43.9, I47-I48.9, I51.0-I51.4, I60-I63.9, I65-I66.9, I67.0-I67.3, I67.5-I67.6, I68.0-I68.2, I69.0-I69.3, I70.2-I70.8, I71-I73.9, I77-I83.9, I86-I89.0, I89.9, I98, K75.1

ICD-10 codes for coronary heart disease (CHD) I20-I25.9 - ICD-10 codes for stroke (CBVD) G45-G46.8, I60-I63.9, I65-I66.9, I67.0-I67.3, I67.5-I67.6, I68.1-I68.2, I69.0-I69.3

Citation: BHF (2024) Analysis of GBD data

Source: Global Burden of Disease Collaborative Network. <http://ghdx.healthdata.org/gbd-results-tool>

Global Burden of Disease Study 2021 Results. [accessed July 2024]

Seattle, United States: Institute for Health Metrics and Evaluation (IHME), 2024.

Table 5.2 Percentage of heart and circulatory diseases (CVD), coronary heart disease (CHD), and stroke (CBVD) attributable to modifiable risk factors, England, 2021

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Reset to Published Order	RISK FACTOR (% attributable)	2021 estimated burden - England DEATHS			2021 attributable deaths (annual k)			2021 estimated burden - England DALYs		
		Heart and circulatory diseases (CVD)	Coronary heart disease (CHD)	Stroke (CBVD)	Heart and circulatory diseases (CVD)	Coronary heart disease (CHD)	Stroke (CBVD)	Heart and circulatory diseases (CVD)	Coronary heart disease (CHD)	Stroke (CBVD)
	All modifiable risk factors	70.3%	88.7%	75.8%				68.9%	90.1%	76.5%
	High systolic blood pressure (hypertension)	40.0%	46.6%	49.0%	52.1	28.8	16.0	38.8%	46.6%	50.0%
	Dietary risks (lack of wholegrains, nuts, seeds, fruit, veg, etc; excess salt, sugar)	24.9%	43.8%	6.5%	32.5	27.1	2.1	25.8%	47.4%	7.5%
	High LDL (bad) cholesterol	18.9%	31.1%	16.3%	24.6	19.2	5.3	20.5%	36.1%	16.7%
	Impaired kidney function (dysfunction; renal failure)	11.6%	18.4%	8.7%	15.1	11.4	2.8	9.5%	15.4%	7.8%
	High body-mass index (obesity and excess weight)	10.9%	14.0%	5.1%	14.2	8.6	1.7	12.3%	16.4%	6.8%
	Tobacco (cigarette smoking, second-hand smoke)	10.6%	14.4%	8.1%	13.7	8.9	2.7	13.2%	18.8%	11.4%
	High fasting plasma glucose (diabetes)	10.4%	14.1%	11.2%	13.5	8.7	3.7	9.5%	13.5%	10.3%
	Air pollution (particulate matter)	5.8%	8.9%	6.2%	7.5	5.5	2.0	5.6%	8.9%	6.1%
	Non-optimal (low/high) temperature	5.4%	5.6%	8.8%	7.0	3.4	2.9	4.7%	5.3%	7.3%
	Low physical activity (inactivity, sedentary behaviour)	3.8%	6.6%	2.6%	5.0	4.1	0.9	3.5%	5.9%	3.4%
	Other environmental risks (e.g. lead exposure)	2.7%	3.0%	3.0%	3.5	1.8	1.0	2.4%	2.7%	2.9%
	High alcohol use (misuse; binge drinking)	1.5%	*	8.8%	1.9	*	2.9	1.6%	*	9.1%
	Other (non-modifiable) risk factors/unknown	29.7%	11.3%	24.2%				31.1%	9.9%	23.5%

Notes

Annual attributable deaths rounded. All figures are modelled estimates; inputs will be revised and therefore results can differ significantly between each edition.

Non-modifiable risk factors (age, sex, family history, ethnicity, deprivation/socioeconomic status etc) are not included in this analysis.

DALYs - disability-adjusted life years - sum of lost healthy years across the population

* = does not show as a risk factor for this condition

ICD-10 codes for cardiovascular disease (CVD) B33.2, G45-G46.8, I01-I01.9, I02.0, I05-I09.9, I11-I11.9, I20-I25.9, I27.0, I27.2, I28-I28.9, I30-I31.1, I31.8-I37.8, I38-I41.9, I42.1-I42.8, I43-I43.9, I47-I48.9, I51.0-I51.4, I60-I63.9, I65-I66.9, I67.0-I67.3, I67.5-I67.6, I68.0-I68.2, I69.0-I69.3, I70.2-I70.8, I71-I73.9, I77-I83.9, I86-I89.0, I89.9, I98, K75.1

ICD-10 codes for coronary heart disease (CHD) I20-I25.9 - ICD-10 codes for stroke (CBVD) G45-G46.8, I60-I63.9, I65-I66.9, I67.0-I67.3, I67.5-I67.6, I68.1-I68.2, I69.0-I69.3

Citation: BHF (2024) Analysis of GBD data

Source: Global Burden of Disease Collaborative Network.

Global Burden of Disease Study 2021 Results.

Seattle, United States: Institute for Health Metrics and Evaluation (IHME), 2024.

<http://ghdx.healthdata.org/gbd-results-tool>

[accessed July 2024]

Table 5.3 Percentage of heart and circulatory diseases (CVD), coronary heart disease (CHD), and stroke (CBVD) attributable to modifiable risk factors, Scotland, 2021

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Reset to Published Order	RISK FACTOR (% attributable)	2021 estimated burden - Scotland DEATHS			2021 attributable deaths (annual k)			2021 estimated burden - Scotland DALYs		
		Heart and circulatory diseases (CVD)	Coronary heart disease (CHD)	Stroke (CBVD)	Heart and circulatory diseases (CVD)	Coronary heart disease (CHD)	Stroke (CBVD)	Heart and circulatory diseases (CVD)	Coronary heart disease (CHD)	Stroke (CBVD)
	All modifiable risk factors	74.5%	89.9%	80.6%				73.2%	91.1%	81.1%
	High systolic blood pressure (hypertension)	46.4%	52.3%	57.5%	7.8	4.3	2.7	44.2%	50.5%	56.8%
	Dietary risks (lack of wholegrains, nuts, seeds, fruit, veg, etc; excess salt, sugar)	25.1%	44.1%	6.2%	4.2	3.7	0.3	26.4%	48.4%	7.7%
	High LDL (bad) cholesterol	20.5%	31.6%	17.8%	3.5	2.6	0.8	22.7%	36.7%	19.7%
	Tobacco (cigarette smoking, second-hand smoke)	12.9%	17.4%	9.6%	2.2	1.4	0.5	15.9%	22.3%	13.2%
	Impaired kidney function (dysfunction; renal failure)	12.6%	18.7%	9.5%	2.1	1.5	0.4	10.6%	15.9%	9.0%
	High body-mass index (obesity and excess weight)	11.9%	15.7%	5.9%	2.0	1.3	0.3	13.4%	18.3%	7.9%
	High fasting plasma glucose (diabetes)	9.0%	11.2%	9.9%	1.5	0.9	0.5	8.4%	10.7%	9.8%
	Air pollution (particulate matter)	6.0%	5.4%	10.5%	1.0	0.4	0.5	5.0%	5.2%	7.8%
	Other environmental risks (e.g. lead exposure)	3.7%	4.1%	4.3%	0.6	0.3	0.2	3.4%	3.9%	4.2%
	Low physical activity (inactivity, sedentary behaviour)	3.6%	5.5%	2.9%	0.6	0.5	0.1	3.4%	4.7%	4.1%
	Non-optimal (low/high) temperature	3.0%	4.4%	3.0%	0.5	0.4	0.1	2.9%	4.4%	3.0%
	High alcohol use (misuse; binge drinking)	1.6%	*	9.2%	0.3	*	0.4	1.9%	*	9.8%
	Other (non-modifiable) risk factors/unknown	25.5%	10.1%	19.4%				26.8%	8.9%	18.9%

Notes Annual attributable deaths rounded. All figures are modelled estimates; inputs will be revised and therefore results can differ significantly between each edition.

Non-modifiable risk factors (age, sex, family history, ethnicity, deprivation/socioeconomic status etc) are not included in this analysis.

DALYs - disability-adjusted life years - sum of lost healthy years across the population * = does not show as a risk factor for this condition

ICD-10 codes for cardiovascular disease (CVD) B33.2, G45-G46.8, I01-I01.9, I02.0, I05-I09.9, I11-I11.9, I20-I25.9, I27.0, I27.2, I28-I28.9, I30-I31.1, I31.8-I37.8, I38-I41.9, I42.1-I42.8, I43-I43.9, I47-I48.9, I51.0-I51.4, I60-I63.9, I65-I66.9, I67.0-I67.3, I67.5-I67.6, I68.0-I68.2, I69.0-I69.3, I70.2-I70.8, I71-I73.9, I77-I83.9, I86-I89.0, I89.9, I98, K75.1

ICD-10 codes for coronary heart disease (CHD) I20-I25.9 - ICD-10 codes for stroke (CBVD) G45-G46.8, I60-I63.9, I65-I66.9, I67.0-I67.3, I67.5-I67.6, I68.1-I68.2, I69.0-I69.3

Citation: BHF (2024) Analysis of GBD data

Source: Global Burden of Disease Collaborative Network. <http://ghdx.healthdata.org/gbd-results-tool>
Global Burden of Disease Study 2021 Results. [accessed July 2024]
Seattle, United States: Institute for Health Metrics and Evaluation (IHME), 2024.

Table 5.4 Percentage of heart and circulatory diseases (CVD), coronary heart disease (CHD), and stroke (CBVD) attributable to modifiable risk factors, Wales, 2021

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Reset to Published Order	RISK FACTOR (% attributable)	2021 estimated burden - Wales DEATHS			2021 attributable deaths (annual)			2021 estimated burden - Wales DALYs		
		Heart and circulatory diseases (CVD)	Coronary heart disease (CHD)	Stroke (CBVD)	Heart and circulatory diseases (CVD)	Coronary heart disease (CHD)	Stroke (CBVD)	Heart and circulatory diseases (CVD)	Coronary heart disease (CHD)	Stroke (CBVD)
	All modifiable risk factors	72.6%	89.9%	79.5%				70.3%	91.2%	79.9%
	High systolic blood pressure (hypertension)	45.5%	52.6%	56.9%	3,980	2,260	1,260	43.1%	51.9%	57.0%
	Dietary risks (lack of wholegrains, nuts, seeds, fruit, veg, etc; excess salt, sugar)	25.8%	44.1%	7.5%	2,260	1,890	170	26.9%	48.4%	8.8%
	High LDL (bad) cholesterol	19.9%	31.9%	16.8%	1,740	1,370	370	21.4%	37.0%	17.0%
	Impaired kidney function (dysfunction; renal failure)	12.3%	19.0%	9.3%	1,080	810	210	10.2%	16.2%	8.6%
	High body-mass index (obesity and excess weight)	11.3%	14.6%	5.3%	980	630	120	12.7%	17.3%	7.3%
	Tobacco (cigarette smoking, second-hand smoke)	10.8%	14.6%	8.2%	950	620	180	13.8%	19.6%	11.8%
	High fasting plasma glucose (diabetes)	9.8%	12.8%	10.6%	860	550	230	8.7%	12.1%	9.6%
	Non-optimal (low/high) temperature	5.2%	5.1%	8.7%	450	220	190	4.5%	4.9%	7.1%
	Low physical activity (inactivity, sedentary behaviour)	5.0%	8.5%	3.2%	440	370	70	4.5%	7.5%	4.0%
	Other environmental risks (e.g. lead exposure)	4.6%	5.2%	5.3%	400	220	120	4.1%	4.9%	5.2%
	Air pollution (particulate matter)	4.4%	6.7%	4.6%	390	290	100	4.2%	6.7%	4.6%
	High alcohol use (misuse; binge drinking)	1.0%	*	8.1%	90	*	180	1.1%	*	8.6%
	Other (non-modifiable) risk factors/unknown	27.4%	10.1%	20.5%				29.7%	8.8%	20.1%

Notes

Annual attributable deaths rounded. All figures are modelled estimates; inputs will be revised and therefore results can differ significantly between each edition.

Non-modifiable risk factors (age, sex, family history, ethnicity, deprivation/socioeconomic status etc) are not included in this analysis.

DALYs - disability-adjusted life years - sum of lost healthy years across the population

* = does not show as a risk factor for this condition

ICD-10 codes for cardiovascular disease (CVD) B33.2, G45-G46.8, I01-I01.9, I02.0, I05-I09.9, I11-I11.9, I20-I25.9, I27.0, I27.2, I28-I28.9, I30-I31.1, I31.8-I37.8, I38-I41.9, I42.1-I42.8, I43-I43.9, I47-I48.9, I51.0-I51.4, I60-I63.9, I65-I66.9, I67.0-I67.3, I67.5-I67.6, I68.0-I68.2, I69.0-I69.3, I70.2-I70.8, I71-I73.9, I77-I83.9, I86-I89.0, I89.9, I98, K75.1

ICD-10 codes for coronary heart disease (CHD) I20-I25.9 - ICD-10 codes for stroke (CBVD) G45-G46.8, I60-I63.9, I65-I66.9, I67.0-I67.3, I67.5-I67.6, I68.1-I68.2, I69.0-I69.3

Citation:

BHF (2024) Analysis of GBD data

Source:

Global Burden of Disease Collaborative Network.

Global Burden of Disease Study 2021 Results.

Seattle, United States: Institute for Health Metrics and Evaluation (IHME), 2024.

<http://ghdx.healthdata.org/gbd-results-tool>

[accessed July 2024]

Table 5.5 Percentage of heart and circulatory diseases (CVD), coronary heart disease (CHD), and stroke (CBVD) attributable to modifiable risk factors, Northern Ireland, 2021

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Reset to Published Order	RISK FACTOR (% attributable)	2021 estimated burden - NI DEATHS			2021 attributable deaths (annual)			2021 estimated burden - NI DALYs		
		Heart and circulatory diseases (CVD)	Coronary heart disease (CHD)	Stroke (CBVD)	Heart and circulatory diseases (CVD)	Coronary heart disease (CHD)	Stroke (CBVD)	Heart and circulatory diseases (CVD)	Coronary heart disease (CHD)	Stroke (CBVD)
	All modifiable risk factors	73.9%	89.9%	80.0%				72.2%	91.0%	80.2%
	High systolic blood pressure (hypertension)	49.8%	56.5%	60.0%	2,030	1,100	710	47.3%	55.4%	59.7%
	Dietary risks (lack of wholegrains, nuts, seeds, fruit, veg, etc; excess salt, sugar)	24.6%	43.3%	6.9%	1,000	840	80	25.7%	47.0%	7.8%
	High LDL (bad) cholesterol	19.8%	31.6%	16.4%	810	610	190	21.7%	37.2%	16.9%
	High body-mass index (obesity and excess weight)	11.3%	14.6%	5.3%	460	280	60	13.0%	17.5%	7.2%
	Impaired kidney function (dysfunction; renal failure)	10.7%	16.5%	8.2%	440	320	100	8.8%	13.8%	7.5%
	High fasting plasma glucose (diabetes)	10.0%	13.0%	10.8%	410	250	130	9.0%	12.2%	9.9%
	Tobacco (cigarette smoking, second-hand smoke)	9.2%	13.0%	6.8%	370	250	80	12.5%	18.2%	10.4%
	Non-optimal (low/high) temperature	5.6%	5.3%	9.0%	230	100	110	4.8%	5.1%	7.4%
	Air pollution (particulate matter)	4.1%	6.0%	4.1%	160	120	50	3.9%	6.0%	4.1%
	Other environmental risks (e.g. lead exposure)	3.5%	4.0%	4.1%	140	80	50	3.2%	3.7%	4.0%
	Low physical activity (inactivity, sedentary behaviour)	2.3%	3.6%	2.2%	100	70	30	2.1%	2.9%	2.7%
	High alcohol use (misuse; binge drinking)	1.5%	*	7.4%	60	*	90	1.6%	*	7.9%
	Other (non-modifiable) risk factors/unknown	26.1%	10.1%	20.0%				27.8%	9.0%	19.8%

Notes

Annual attributable deaths rounded. All figures are modelled estimates; inputs will be revised and therefore results can differ significantly between each edition.

Non-modifiable risk factors (age, sex, family history, ethnicity, deprivation/socioeconomic status etc) are not included in this analysis.

DALYs - disability-adjusted life years - sum of lost healthy years across the population

* = does not show as a risk factor for this condition

ICD-10 codes for cardiovascular disease (CVD) B33.2, G45-G46.8, I01-I01.9, I02.0, I05-I09.9, I11-I11.9, I20-I25.9, I27.0, I27.2, I28-I28.9, I30-I31.1, I31.8-I37.8, I38-I41.9, I42.1-I42.8, I43-I43.9, I47-I48.9, I51.0-I51.4, I60-I63.9, I65-I66.9, I67.0-I67.3, I67.5-I67.6, I68.0-I68.2, I69.0-I69.3, I70.2-I70.8, I71-I73.9, I77-I83.9, I86-I89.0, I89.9, I98, K75.1

ICD-10 codes for coronary heart disease (CHD) I20-I25.9 - ICD-10 codes for stroke (CBVD) G45-G46.8, I60-I63.9, I65-I66.9, I67.0-I67.3, I67.5-I67.6, I68.1-I68.2, I69.0-I69.3

Citation:

BHF (2024) Analysis of GBD data

Source:

Global Burden of Disease Collaborative Network.

Global Burden of Disease Study 2021 Results.

Seattle, United States: Institute for Health Metrics and Evaluation (IHME), 2024.

<http://ghdx.healthdata.org/gbd-results-tool>

[accessed July 2024]

Table 5.6 Prevalence of high blood pressure in adults by age and sex, England and Scotland, latest

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Estimated prevalence

Age in years	England 2022						Age in years	Scotland 2018/19					
	Men		Women		All			Men		Women		All	
	%	(000)s	%	(000)s	%	(000)s		%	(000)s	%	(000)s	%	(000)s
							16-24	2	6	*	*	1	6
16-34	5	350	3	240	4	590	25-34	8	28	6	22	7	50
35-44	23	870	6	240	15	1,100	35-44	10	34	11	40	11	74
45-54	31	1,090	22	810	26	1,900	45-54	33	110	18	65	26	175
55-64	50	1,800	31	1,200	40	3,000	55-64	49	190	42	170	45	360
65-74	61	1,600	54	1,500	57	3,100	65-74	62	180	58	180	60	360
75+	66	1,500	71	2,100	69	3,700	75+	64	140	77	230	71	370
All Adults	32	7,250	29	6,100	30	13,400	All Adults	31	690	28	710	29	1,400

Notes:

Data for England and Scotland includes those being treated or not treated for high blood pressure. NI/Wales surveys do not cover.

High Blood Pressure: Systolic BP at or greater than 140mmHg and Diastolic BP at or greater than 90mmHg.

Does not include high blood pressure while pregnant.

All population figures are health survey results applied to latest official population estimates published by age, sex and nation by ONS/NRS.

* small base; published figures not used. Totals may not add up due to rounding.

Citation:

BHF (2025) Analysis of health survey data

Source:

NHS England (2024). Health Survey for England 2022 part 2, Adult Health Tables [accessed Apr 2025]

<https://digital.nhs.uk/data-and-information/publications/statistical/health-survey-for-england>

The Scottish Government (2020). The Scottish Health Survey 2019 [NB there has been no new nurse fieldwork since]

<https://www.gov.scot/collections/scottish-health-survey/>

Table 5.7 Prevalence of untreated high blood pressure in adults by age and sex, England and Scotland, latest

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Age in years	England 2022						Age in years	Scotland 2018/19					
	Men		Women		All			Men		Women		All	
	%	(000)s	%	(000)s	%	(000)s		%	(000)s	%	(000)s	%	(000)s
							16-24	2	6	*	*	1	6
16-34	4	270	3	180	3	450	25-34	8	28	4	14	6	42
35-44	14	540	5	180	9	720	35-44	8	27	10	36	9	63
45-54	19	660	16	600	17	1,300	45-54	22	74	15	54	19	130
55-64	23	830	15	570	19	1,400	55-64	35	134	23	93	28	230
65-74	20	510	18	520	19	1,000	65-74	23	66	27	85	25	150
75+	20	470	22	670	21	1,100	75+	24	53	35	103	30	150
All Adults	15	3,300	12	2,700	13	6,000	All Adults	18	390	16	380	17	770

Notes:

Hypertension diagnosed by nurse. Data weighted for non-response. NI/Wales surveys do not cover.

Hypertensive untreated: Systolic BP at or greater than 140mmHg and Diastolic BP at or greater than 90mmHg, not currently taking medication for blood pressure.

All population figures are health survey results applied to latest official population estimates published by age, sex and nation by ONS/NRS/NISRA.

* small base; published figures not used. Totals may not add up due to rounding.

Citation:

BHF (2025) Analysis of health survey data

Source:

NHS England (2024). Health Survey for England 2022 part 2, Adult Health Tables [accessed Apr 2025]

<https://digital.nhs.uk/data-and-information/publications/statistical/health-survey-for-england>

The Scottish Government (2020). The Scottish Health Survey 2019 [there has been no new nurse fieldwork]

<https://www.gov.scot/collections/scottish-health-survey/>

Table 5.8 Prevalence of high blood pressure by deprivation quintile, England 2022

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Type	Estimated prevalence					
	England 2022					
	Most deprived	2nd most	3rd most	4th most	Least deprived	All
Hypertensive controlled	11	10	10	9	8	10
Hypertensive uncontrolled	11	6	4	5	6	7
Hypertensive untreated	12	11	13	12	14	13
All with hypertension	33	26	27	27	28	30

Notes:

Hypertensive controlled: systolic blood pressure (SBP) below 140mmHg and/or diastolic blood pressure (DBP) below 90mmHg, currently taking medication for blood pressure.

Hypertensive uncontrolled: SBP at or greater than 140mmHg and DBP at or greater than 90mmHg, currently taking medication for blood pressure.

Hypertensive untreated: SBP at or greater than 140mmHg and/or DBP at or greater than 90mmHg, not currently taking medication for blood pressure.

Adults aged 16 and over with a valid blood pressure reading and data on medication.

Does not include high blood pressure while pregnant. Data in this table are age-standardised.

Citation: BHF (2025) Analysis of England health survey data

Source: NHS England (2024). Health Survey for England 2022 part 2, Adult Health Tables [accessed April 2025]
<https://digital.nhs.uk/data-and-information/publications/statistical/health-survey-for-england>

Table 5.9 Prevalence of diagnosed high blood pressure by nation and region, United Kingdom, latest available[Back to Table of Contents](#)for any content queries please email healthinsights@bhf.org.uk

Nation/Region	ONS Code	List size	Hypertension Register	
			N	%
East Midlands	E12000004	5,297,832	840,439	15.9
East of England	E12000006	6,910,865	1,046,884	15.1
London	E12000007	11,011,953	1,219,565	11.1
North East England	E12000001	2,876,817	493,809	17.2
North West England	E12000002	8,217,202	1,276,540	15.5
South East England	E12000008	10,157,615	1,520,065	15.0
South West England	E12000009	6,107,328	984,810	16.1
West Midlands	E12000005	6,620,396	1,027,131	15.5
Yorkshire and The Humber	E12000003	6,018,848	942,079	15.7
England (2023/24)	E92000001	63,218,856	9,351,322	14.8
Scotland (2023)	S92000003	5,723,722	760,000	13.0
Wales (2024)	W92000004	3,305,351	529,274	16.0
Northern Ireland (2023/24)	N92000002	2,050,887	293,503	14.3
United Kingdom (UK)	K02000001	74,311,353	10,934,099	15.0

Notes:

These data show total numbers of people on GP patient registers in each area. GPs allocated to region and nation by main surgery postcode (BHF using CACI InSite).
BHF analysis - adjustments have been made for England & Scotland where active practices did not file patient register numbers in the latest available year.

Citation:

BHF (2025) Analysis of UK GP patient register data

Source:

England - NHS England - BHF analysis of Quality & Outcomes Framework (QOF) prevalence data 2023/24 [accessed Nov 2024]

<https://digital.nhs.uk/data-and-information/publications/statistical/quality-and-outcomes-framework-achievement-prevalence-and-exceptions-data/>

Scotland - BHF analysis of Public Health Scotland data - 2023 prevalence rates by age reported in SPIRE and applied to NRS population estimates

<https://publichealthscotland.scot/publications/general-practice-disease-prevalence-data-visualisation/general-practice-disease-prevalence-visualisation-27-june-2023/>

Wales - StatsWales. Quality Assurance and Improvement Framework (QAIF) disease registers April 2024 [accessed Nov 2024]

<https://statswales.gov.wales/Catalogue/Health-and-Social-Care/NHS-Primary-and-Community-Activity/GMS-Contract>

Northern Ireland - Department of Health, Quality & Outcomes Framework (QOF) prevalence data 2023/24 [accessed July 2024]

<https://www.health-ni.gov.uk/articles/prevalence-statistics>

Table 5.10 Prevalence of high blood pressure from CVDPREVENT, unadjusted percentages and age-standardised by deprivation quintile, England, Dec 2024

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Condition(s)	Code	IMD Quintiles						Age Standardised IMD Quintiles				
		All	Most deprived quintile	2nd	3rd	4th	Least deprived quintile	Most deprived quintile	2nd	3rd	4th	Least deprived quintile
		%	%	%	%	%	%	%	%	%	%	%
High blood pressure	CVDP001HYP	17.9	16.4	16.8	18.2	19.2	19.0	21.4	19.6	17.9	17.0	15.9

Notes: CVDPREVENT = Cardiovascular Disease Prevention Audit. Produced by Office for Health Improvement and Disparities (OHID) and the NHS Benchmarking Network.
All data are diagnosed, adults 18 and over. [accessed Apr 2025]

Citation: OHID/NHS (2025) Analysis of England GP prevalence data

Source: CVDPREVENT data (OHID & NHS England 2025)
<https://www.cvdprevent.nhs.uk/data-explorer>

Table 5.11 Prevalence of high blood pressure from CVDPREVENT, unadjusted percentages by sex and age, plus age-standardised by sex, England, Dec 2024

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Condition	Code	All Adults					Male					Female					Age Standardised		
		All 18+	18-39	40-59	60-79	80+	Male 18+	18-39	40-59	60-79	80+	Female 18+	18-39	40-59	60-79	80+	All	Male	Female
		%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%
High blood pressure	CVDP001HYP	17.9	1.1	13.5	39.6	60.7	17.9	1.2	14.3	42.0	58.5	17.8	1.1	12.5	37.3	62.4	18.9	19.7	18.0

Notes: CVDPREVENT = Cardiovascular Disease Prevention Audit. Produced by Office for Health Improvement and Disparities (OHID) and the NHS Benchmarking Network.

All data are diagnosed, adults 18 and over. [accessed Apr 2025]

Citation: OHID/NHS (2025) Analysis of England GP prevalence data

Source: CVDPREVENT data (OHID & NHS England 2025)
<https://www.cvdprevent.nhs.uk/data-explorer>

Table 5.12 Prevalence of high blood pressure from GP patient registers, diagnosed percentages by deprivation decile, England , 2023/24

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		IMD Deciles											
	Year	IMD Geography	ALL	Most deprived	2nd	3rd	4th	5th	6th	7th	8th	9th	Least deprived
			%	%	%	%	%	%	%	%	%	%	%
High blood pressure	2023/24	2023 districts/UA	14.8	14.0	14.2	14.0	15.3	15.2	15.0	15.9	16.1	15.2	14.6

Notes:

IMD: index of multiple deprivation
NB diagnosis gaps for many condition (e.g. high blood pressure) are often thought to be highest in areas of greatest deprivation.
See also age-standardised data from CVDPREVENT Table 5.10

Citation:

OHID (2024) Analysis of NHSE QOF data

Source:

OHID analysis of QOF prevalence data (NHS England 2024); deprivation deciles in England based on IMD 2019
<https://digital.nhs.uk/data-and-information/publications/statistical/quality-and-outcomes-framework-achievement-prevalence-and-exceptions-data>
<https://fingertips.phe.org.uk/> [accessed Oct 2024]

Table 5.13 Prevalence of high blood pressure from GP patient registers, by sex and age, Wales 2024

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	15 to 19 %	20 to 24 %	25 to 29 %	30 to 34 %	35 to 39 %	40 to 44 %	45 to 49 %	50 to 54 %	55 to 59 %	60 to 64 %	65 to 69 %	70 to 74 %	75 to 79 %	80 to 84 %	85 to 89 %	90 to 94 %	95 and over %
ALL	0.1	0.3	0.6	1.3	2.6	5.3	9.4	15.7	22.1	28.3	36.6	44.5	52.1	58.1	62.3	64.2	63.1
MALE	0.1	0.3	0.6	1.3	2.7	5.7	9.9	16.8	23.9	30.8	39.7	47.0	53.1	57.2	59.8	59.1	57.4
FEMALE	0.1	0.3	0.6	1.2	2.5	4.9	8.9	14.6	20.2	25.7	33.7	42.2	51.3	58.9	64.0	66.9	65.2

Notes: GP-diagnosed cases only. 1 April 2024 snapshot

Citation: StatsWales (2024) Welsh disease prevalence data

Source: StatsWales. Disease prevalence rates by age band and gender (Audit+) 2024 [accessed April 2025]
<https://statswales.gov.wales/Catalogue/Health-and-Social-Care/NHS-Primary-and-Community-Activity/GMS-Contract>

Table 5.14 Prevalence of diagnosed diabetes in adults by age and sex, England and Scotland, latest

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Age in years	England 2022			Scotland 2023		
	Men %	Women %	All %	Men %	Women %	All %
16-24	0.9	0.9	0.9	*	1	1
25-34	1.2	1.3	1.3	2	2	2
35-44	3.6	1.6	2.6	3	4	3
45-54	6.6	5.3	5.9	6	4	5
55-64	13.1	8.6	10.8	10	10	10
65-74	17.1	10.2	13.5	15	10	12
75+	21.1	14.1	17.2	19	14	16
All Adults	8.2	5.6	6.9	7	6	7

Notes: Excludes diabetes in pregnancy. Adults asked if doctor-diagnosed.

Citation: BHF (2025) Analysis of health survey data * reported as zero, but all Scottish figures are reported as whole numbers

Source: NHS England (2024). Health Survey for England 2022 part 2, Adult Health Tables [accessed April 2025]

<https://digital.nhs.uk/data-and-information/publications/statistical/health-survey-for-england>

The Scottish Government (2024). The Scottish Health Survey 2023 [accessed April 2025]

<https://www.gov.scot/collections/scottish-health-survey/>

Table 5.15 Prevalence of diagnosed diabetes by nation and region, United Kingdom, latest

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ONS Code	Nation/Region	Diabetes Register	
		Patients	Aged 17+ %
E12000004	East Midlands	349,953	8.1
E12000006	East of England	423,497	7.6
E12000007	Greater London	635,383	7.0
E12000001	North East England	201,669	8.5
E12000002	North West England	523,496	7.9
E12000008	South East England	582,478	7.1
E12000009	South West England	371,112	7.3
E12000005	West Midlands	455,337	8.6
E12000003	Yorkshire and The Humber	395,365	8.1
E92000001	England (2023/24)	3,938,290	7.7
S92000003	Scotland (2023)	310,000	n/a
W92000004	Wales (2024)	222,686	8.2
N92000002	Northern Ireland (2023/24)	114,673	7.0
K02000001	United Kingdom	4,585,649	n/a

Notes:

These data show total numbers of people on GP patient registers in each area, and percentage of the patient list (not % population).

For England, Wales and Northern Ireland, prevalence of diabetes is based on patient list for those aged 17 and over. For Scotland this is for all ages.

With BHF analysis - adjustments have been made where active practices did not file patient data in the latest available year (previous data features instead)

Citation:

BHF (2025) Analysis of UK GP patient register data

Source:

England - NHS England - BHF analysis of Quality & Outcomes Framework (QOF) prevalence data 2023/24 [accessed Nov 2024]

<https://digital.nhs.uk/data-and-information/publications/statistical/quality-and-outcomes-framework-achievement-prevalence-and-exceptions-data/>

Scotland - BHF analysis of Public Health Scotland data - 2023 prevalence rates by age reported in SPIRE and applied to NRS population estimates

<https://publichealthscotland.scot/publications/general-practice-disease-prevalence-data-visualisation/general-practice-disease-prevalence-visualisation-27-june-2023/>

Wales - StatsWales. Quality Assurance and Improvement Framework (QAIF) disease registers April 2024 [accessed Nov 2024]

<https://statswales.gov.wales/Catalogue/Health-and-Social-Care/NHS-Primary-and-Community-Activity/GMS-Contract>

Northern Ireland - Department of Health, Quality & Outcomes Framework (QOF) prevalence data 2023/24 [accessed July 2024]

<https://www.health-ni.gov.uk/articles/prevalence-statistics>

Table 5.16 Prevalence of diabetes from GP patient registers, diagnosed percentages by deprivation decile, England , 2023/24

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	Year	IMD Geography	ALL %	IMD Deciles									Least deprived %
				Most deprived %	2nd %	3rd %	4th %	5th %	6th %	7th %	8th %	9th %	
Diabetes 17+	2023/24	2023 county/UA	7.7	8.5	9.0	7.4	7.6	8.2	7.2	7.8	7.6	7.4	6.1

Notes: Patients aged 17+ with diabetes mellitus. IMD: index of multiple deprivation
NB diagnosis gaps for many condition are often thought to be highest in areas of greatest deprivation.

Citation: OHID (2024) Analysis of NHSE QOF data

Source: OHID analysis of QOF prevalence data (NHS England 2024); deprivation deciles in England based on IMD 2019
<https://digital.nhs.uk/data-and-information/publications/statistical/quality-and-outcomes-framework-achievement-prevalence-and-exceptions-data>
<https://fingertips.phe.org.uk/> [accessed Oct 2024]

Table 5.17 Prevalence of diabetes (diagnosed and undiagnosed) from health survey by deprivation quintile, England 2022

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Type	Estimated prevalence					
	England 2022					
	Most deprived	2nd most	3rd most	4th most	Least deprived	All
Diagnosed diabetes	9.8	6.3	5.0	5.0	3.1	5.6
Undiagnosed diabetes	6.9	5.1	2.9	4.1	3.5	4.7
Total diabetes	16.7	11.4	7.9	9.2	6.7	10.3

Notes: Total diabetes refers to the proportion of participants who reported having diagnosed diabetes and/or with a glycated haemoglobin (HbA1c) of 48mmol/mol or above.
Undiagnosed diabetes refers to those with an HbA1c level of 48mmol/mol or above who did not report having doctor-diagnosed diabetes.
Data in this table are age-standardised.

Citation: NHSE (2025) Health Survey for England data

Source: NHS England (2024). Health Survey for England 2022 part 2, Adult Health Tables [accessed April 2025]
<https://digital.nhs.uk/data-and-information/publications/statistical/health-survey-for-england>

Table 5.18 Prevalence of diabetes (current and lifetime) from health survey by deprivation quintile, Scotland 2022

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Type	Estimated prevalence					
	Scotland 2022					
	Most deprived	2nd most	3rd most	4th most	Least deprived	All
Doctor-diagnosed diabetes	10	8	7	5	6	7
Ever had diabetes	11	9	7	6	6	8

Notes:

Citation:

Source:

Doctor-diagnosed includes pregnant

BHF (2024) Analysis of Scottish health survey data

The Scottish Government (2023). The Scottish Health Survey 2022

<https://www.gov.scot/collections/scottish-health-survey/>

[accessed July 2024]

Table 5.19 Prevalence of raised cholesterol, low HDL and high cholesterol ratio in adults by age and sex, England, 2022

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Table 1

Age in years	raised cholesterol					
	Men		Women		All	
	%	(000)s	%	(000)s	%	(000)s
16-34	34	2,380	34	2,400	34	4,780
35-44	60	1,920	43	1,710	51	3,630
45-54	65	2,370	68	2,500	67	4,880
55-64	65	2,580	79	2,940	72	5,520
65-74	40	1,490	73	2,070	57	3,560
75+	32	1,020	54	1,610	44	2,630
All Adults	49	11,800	56	13,200	53	25,000

Table 2

Age in years	low HDL cholesterol					
	Men		Women		All	
	%	(000)s	%	(000)s	%	(000)s
16-34	9	780	13	900	11	1,680
35-44	15	480	11	440	13	920
45-54	14	500	14	520	14	1,020
55-64	7	290	9	320	8	610
65-74	10	240	8	230	9	480
75+	8	210	10	290	9	500
All Adults	11	2,500	11	2,700	11	5,200

Table 3

Age in years	high risk cholesterol ratio					
	Men		Women		All	
	%	(000)s	%	(000)s	%	(000)s
16-34	7	380	4	260	5	630
35-44	15	310	2	81	8	390
45-54	12	270	3	99	8	370
55-64	6	160	3	130	5	290
65-74	3	81	3	94	3	180
75+	1	36	2	54	2	90
All Adults	8	1,240	3	710	5	1,950

Notes:

Includes those on lipid lowering drugs. Blood sample via nurse visit.

Table 1 - Raised total cholesterol: Total cholesterol greater than or equal to 5mmol/L

Table 2 - Low HDL (below 1mmol/L in men and 1.2mmol/L in women)

Table 3 - High risk = total/HDL ratio greater than or equal to 6

All population figures are health survey results applied to latest official population estimates published by age and sex (ONS).

Equivalent data not available for the rest of the UK.

Citation:

BHF (2025) Analysis of health survey data

Source:

NHS England (2024). Health Survey for England 2022 part 2, Adult Health Tables [accessed May 2025]

<https://digital.nhs.uk/data-and-information/publications/statistical/health-survey-for-england>

Table 5.20 Prevalence of chronic kidney disease (CKD) by nation and region, latest[Back to Table of Contents](#)for any content queries please email healthinsights@bhf.org.uk

ONS Code	Nation/Region	CKD Register	
		Patients	Aged 18+ %
E12000004	East Midlands	221,637	5.2
E12000006	East of England	238,416	4.3
E12000007	Greater London	262,380	2.9
E12000001	North East England	116,338	5.0
E12000002	North West England	305,250	4.7
E12000008	South East England	353,511	4.4
E12000009	South West England	262,553	5.3
E12000005	West Midlands	263,838	5.0
E12000003	Yorkshire and The Humber	213,879	4.4
E92000001	England	2,237,802	4.4
S92000003	Scotland	n/a	n/a
W92000004	Wales	n/a	n/a
N92000002	Northern Ireland	79,536	5.0
K02000001	United Kingdom	n/a	n/a

Notes:

These data show total numbers of people on GP patient registers in each area, and percentage of the patient list aged 18+ (not population).
CKD categories G3a to G5 - a significant additional cohort have some milder degree of renal failure. For wider estimates please refer to Kidney Research UK.
Wales - no comparable data since 2014 (118k) Scotland SPIRE data (2023) has 2.7% all-ages prevalence

Citation:

BHF (2025) Analysis of UK GP patient register data

Source:

England - NHS England - Quality & Outcomes Framework (QOF) prevalence data 2023/24 [accessed Apr 2025]

<https://digital.nhs.uk/data-and-information/publications/statistical/quality-and-outcomes-framework-achievement-prevalence-and-exceptions-data/>

Northern Ireland - Department of Health, Quality & Outcomes Framework (QOF) prevalence data 2023/24 [accessed July 2024]

<https://www.health-ni.gov.uk/articles/prevalence-statistics>

Table 5.21 Prevalence of chronic kidney disease (CKD) from GP patient registers, diagnosed percentages by deprivation decile, England, 2023/24

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	Year	IMD Geography	ALL	IMD Deciles									Least
				Most	2nd	3rd	4th	5th	6th	7th	8th	9th	
			%	deprived	%	%	%	%	%	%	%	%	%
Chronic kidney disease (CKD)	2023/24	2023 county/UA	4.4	4.0	4.4	3.9	3.7	4.7	4.4	5.1	4.9	4.6	4.0

Notes:

The percentage of patients aged 18 years and over with chronic kidney disease (CKD) with classification of categories G3a to G5, as recorded on practice disease registers.

NB diagnosis gaps for many condition are often thought to be highest in areas of greatest deprivation. IMD: index of multiple deprivation

Citation:

OHID (2024) Analysis of NHSE QOF data

Source:

OHID analysis of QOF prevalence data (NHS England 2024); deprivation deciles in England based on IMD 2019

<https://digital.nhs.uk/data-and-information/publications/statistical/quality-and-outcomes-framework-achievement-prevalence-and-exceptions-data>

<https://fingertips.phe.org.uk/> [accessed April 2025]

Table 5.22 Prevalence of chronic kidney disease (CKD) from CVDPREVENT, unadjusted percentages and age-standardised by deprivation quintile, England, Dec 2024

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Condition	Code	All	IMD Quintiles					Age Standardised IMD Quintiles				
			Most deprived quintile	2nd	3rd	4th	Least deprived quintile	Most deprived quintile	2nd	3rd	4th	Least deprived quintile
			%	%	%	%	%	%	%	%	%	%
Chronic kidney disease (CKD)	CVDP001CKD	4.4	3.8	4.0	4.5	4.8	4.8	5.4	4.9	4.3	4.1	3.8

Notes: Prevalence of GP recorded CKD (G3a to G5) in patients aged 18 and over.
CVDPREVENT = Cardiovascular Disease Prevention Audit. Produced by Office for Health Improvement and Disparities (OHID) and the NHS Benchmarking Network.

Citation: OHID/NHS (2025) Analysis of England GP prevalence data

Source: CVDPREVENT data (OHID & NHS England 2025) [accessed April 2025]
<https://www.cvdprevent.nhs.uk/data-explorer>

Table 5.23 Prevalence of chronic kidney disease (CKD) from CVDPREVENT, unadjusted percentages by sex and age, plus age-standardised by gender, England, Dec 2024

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Condition	Code																Age Standardised		
		All Adults					Male					Female					All	Male	Female
		All 18+	18-39	40-59	60-79	80+	Male 18+	18-39	40-59	60-79	80+	Female 18+	18-39	40-59	60-79	80+			
		%	%	%	%	%	%	%	%	%	%	%	%	%	%	%			
Chronic kidney disease (CKD)	CVDP001CKD	4.4	0.1	1.0	8.5	33.0	3.8	0.1	0.9	8.1	31.7	4.9	0.1	1.0	8.8	34.0	4.6	4.5	4.7

Notes: Prevalence of GP recorded CKD (G3a to G5) in patients aged 18 and over.
CVDPREVENT = Cardiovascular Disease Prevention Audit. Produced by Office for Health Improvement and Disparities (OHID) and the NHS Benchmarking Network.

Citation: OHID/NHS (2025) Analysis of England GP prevalence data

Source: CVDPREVENT data (OHID & NHS England 2025) [accessed April 2025]
<https://www.cvdprevent.nhs.uk/data-explorer>

Table 5.24 Prevalence of overweight (including obese) - BMI - in adults by age and sex, England, Scotland, Wales, Northern Ireland and UK, latest

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Age (years)	England 2022						Scotland 2023						Wales 2022/23						Northern Ireland 2023/24 #						UK estimate					
	Men		Women		All		Men		Women		All		Men		Women		All		Men		Women		All		Men		Women		All	
	%	(000)s	%	(000)s	%	(000)s	%	(000)s	%	(000)s	%	(000)s	%	(000)s	%	(000)s	%	(000)s	%	(000)s	%	(000)s	%	(000)s	%	(000)s	%	(000)s	%	(000)s
16-24	35	1,100	38	1,150	37	2,250	37	110	40	120	38	230	43	76	51	82	46													
25-34	58	2,200	57	2,300	57	4,500	59	200	61	220	60	420	58	110	57	110	58													
35-44	75	2,800	61	2,400	68	5,200	65	220	61	220	63	420	72	140	60	120	66													
45-54	73	2,600	64	2,400	68	5,000	77	260	69	250	73	510	74	140	62	120	68													
55-64	80	2,900	69	2,600	75	5,500	77	290	76	310	77	600	77	160	61	140	69													
65-74	78	2,100	69	1,900	73	4,000	76	220	70	220	73	440	70	120	58	110	64													
75+	70	1,600	64	1,900	67	3,500	74	160	69	200	71	360	56	81	50	92	52													
All Adults BMI25+	67	15,000	61	15,000	64	30,000	67	1,500	65	1,500	66	3,000	65	830	57	770	61	1,600	69	520	60	470	64	980	67	18,000	61	18,000	64	36,000
BMI 25-30 only	39	8,600	31	7,900	35	16,500	37	840	31	720	34	1,600	40	510	30	410	35	920	40	300	34	270	37	560	39	10,400	31	9,600	35	20,000

Notes: Overweight = body-mass index (BMI) 25 to less than 30kg/m². Obese = BMI 30kg/m² or more (includes morbidly obese). Some nurse fieldwork; not all data will have been adjusted for self-reporting.

All population figures are health survey results applied to latest official population estimates published by age, sex and nation by ONS/NRS/NISRA.

Northern Ireland 2023/24 survey included BMI data, but cohorts not disclosed due to small sample size - last age splits were published in the 2019/20 survey

UK percentages are population-weighted averages based on data from all four nations. Some totals may not add up due to rounding.

Citation: BHF (2025) Analysis of UK health survey data

Source: NHS England (2024). Health Survey for England 2022 Part 2: data tables [accessed May 2025]
<https://digital.nhs.uk/data-and-information/publications/statistical/health-survey-for-england/2022-part-2/health-survey-for-england-hse-2022-part-2-data-tables>

The Scottish Government (2024). The Scottish Health Survey 2023 [accessed May 2025]
<https://www.gov.scot/publications/scottish-health-survey-2023-volume-1-main-report/documents/>

Welsh Government (2023). National Survey for Wales - Population health: health-related lifestyle (adults), 2022/23 [accessed Feb 2024]
<https://www.gov.wales/adult-lifestyle-national-survey-wales-april-2022-march-2023>

Northern Ireland Statistics and Research Agency (2024). Health Survey Northern Ireland 2023/24 [accessed May 2025]
<https://www.health-ni.gov.uk/publications/tables-health-survey-northern-ireland>

Table 5.25 Prevalence of obesity - BMI - in adults by age and sex, England, Scotland, Wales, Northern Ireland and UK, latest

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Age (years)	England 2022						Scotland 2023						Wales 2022/23						Northern Ireland 2023/24 #						UK estimate					
	Men		Women		All		Men		Women		All		Men		Women		All		Men		Women		All		Men		Women		All	
	%	(000)s	%	(000)s	%	(000)s	%	(000)s	%	(000)s	%	(000)s	%	(000)s	%	(000)s	%	(000)s	%	(000)s	%	(000)s	%	(000)s	%	(000)s	%	(000)s	%	(000)s
16-24	11	340	17	510	14	850	21	62	21	61	21	120	16	29	24	38	19	67												
25-34	22	840	26	1,050	24	1,900	23	79	33	120	28	200	23	45	27	54	25	100												
35-44	31	1,200	33	1,300	32	2,500	31	110	36	130	33	240	30	57	30	60	30	120												
45-54	32	1,200	34	1,230	33	2,400	33	110	37	130	35	240	34	63	33	65	33	130												
55-64	36	1,300	35	1,300	36	2,600	40	150	40	160	40	310	30	64	29	65	30	130												
65-74	36	950	34	960	35	1,900	30	87	33	100	32	190	22	38	25	45	23	83												
75+	26	610	27	800	26	1,400	29	64	30	90	30	150	14	21	20	37	17	58												
All Adults	28	6,400	30	7,100	29	13,500	30	660	34	780	32	1,400	25	320	27	360	26	680	29	220	26	200	28	420	28	7,600	30	8,400	29	16,000

Notes:

Obese = body-mass index (BMI) 30kg/m² or more (includes morbidly obese). Some nurse fieldwork; not all data will have been adjusted for self-reporting.

All population figures are health survey results applied to latest official population estimates published by age, sex and nation by ONS/NRS/NISRA.

Northern Ireland 2023/24 survey included BMI data, but cohorts not disclosed due to small sample size - last age splits were published in the 2019/20 survey

UK percentages are population-weighted averages based on data from all four nations, where available. Some totals may not add up due to rounding.

Citation:

BHF (2025) Analysis of UK health survey data

Source:

NHS England (2024). Health Survey for England 2022 Part 2: data tables [accessed May 2025]

<https://digital.nhs.uk/data-and-information/publications/statistical/health-survey-for-england/2022-part-2/health-survey-for-england-hse-2022-part-2-data-tables>

The Scottish Government (2024). The Scottish Health Survey 2023 [accessed May 2025]

<https://www.gov.scot/publications/scottish-health-survey-2023-volume-1-main-report/documents/>

Welsh Government (2023). National Survey for Wales - Population health: health-related lifestyle (adults), 2022/23 [accessed Feb 2024]

<https://www.gov.wales/adult-lifestyle-national-survey-wales-april-2022-march-2023>

Northern Ireland Statistics and Research Agency (2024). Health Survey Northern Ireland 2023/24 [accessed May 2025]

Table 5.26 Prevalence of obesity - BMI - in adults by deprivation quintile, England, Scotland, Wales, Northern Ireland, latest
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Type	Estimated prevalence					All
	Most deprived	2nd most	3rd most	4th most	Least deprived	
England 2022	36	31	29	28	22	29
Scotland 2022	36	32	30	28	19	29
Wales 2022/23	32	29	26	24	22	26
Northern Ireland 2019/20	32	28	26	27	25	27

Notes: Obese = body-mass index (BMI) 30kg/m² or more (includes morbidly obese). Some nurse fieldwork; not all data will have been adjusted for self-reporting.

Citation: BHF (2025) Analysis of UK health survey data

Source: NHS England (2024). Health Survey for England 2022: data tables; corrected height and weight [accessed April 2025]
<https://digital.nhs.uk/data-and-information/publications/statistical/health-survey-for-england/2022-part-2>

The Scottish Government (2023). The Scottish Health Survey 2022
<https://www.gov.scot/collections/scottish-health-survey/>

Welsh Government (2023). National Survey for Wales - Population health: health-related lifestyle (adults), 2022/23
<https://www.gov.wales/adult-lifestyle-national-survey-wales-april-2022-march-2023>

Northern Ireland Statistics and Research Agency (2020). Health Survey Northern Ireland 2019/20 [BMI updates by deprivation status not available - 2023/24 adult estimate 27.6%]
<https://www.health-ni.gov.uk/publications/tables-health-survey-northern-ireland>

Table 5.27 Prevalence of BMI, waist circumference category and high height-weight ratio in adults by sex, England, 2022

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		Estimated prevalence		
BMI and waist circumference (WC) categories	Health risk category	%	%	%
		Men	Women	All
Healthy weight				
Desirable waist circumference	No increased risk	29	25	27
High waist circumference	No increased risk	3	9	6
Very high waist circumference	Increased risk	0	2	1
All healthy weight		33	36	35
Overweight				
Desirable waist circumference	No increased risk	13	6	9
High waist circumference	Increased risk	16	10	13
Very high waist circumference	High risk	11	16	14
All overweight		40	32	36
Obese (all categories)				
Desirable waist circumference	Increased risk	1	0	0
High waist circumference	High risk	3	2	2
Very high waist circumference	Very high / extremely high risk	23	27	25
All obese		26	29	28
Any BMI / WC category	Increased risk	17	12	15
	High risk	14	18	16
	Very high / extremely high risk	23	27	25
	Elevated risk	54	57	55
Waist/height ratio 0.5 or above		71	62	67

Notes: Excludes underweight (less than 18.5kg/m²)
 Healthy weight body-mass index (BMI) 18.5-25kg/m²; Overweight 25-30; Obese 30+
 Waist circumference NICE guidelines - Men: less than 94cm desirable, 94-102cm high, more than 102cm very high.
 Women: less than 80cm desirable, 80-88cm high, more than 88cm very high.
 Health risk category according to National Institute of Health and Clinical Excellence (NICE) Guidelines
 Also according to NICE Guidelines, adult weight should be less than half their height (a ratio of 0.5).
 Scotland has an equivalent dataset in The Scottish Health Survey - data queries pending June 2025 so not included here

Citation: BHF (2025) Analysis of health survey data

Source: NHS England (2024). Health Survey for England 2022 Part 2: data tables [accessed May 2025]
<https://digital.nhs.uk/data-and-information/publications/statistical/health-survey-for-england/2022-part-2/>

Table 5.28 Prevalence of obesity and overweight in children by sex, England, Scotland, Northern Ireland and UK, latest

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Nation	OBESITY			OVERWEIGHT			OBESE or OVERWEIGHT		
	Boys %	Girls %	All %	Boys %	Girls %	All %	Boys %	Girls %	All %
England	13	17	15	14	10	12	26	27	27
Scotland	19	15	17	12	14	13	31	29	30
Northern Ireland @	5	7	6	20	19	20	25	27	26
Wales #									
UK Children Aged 2-15	13	17	15	13	11	12	27	27	27

Notes:

ENG/SCO Overweight defined as at or above the 85th but below the 95th percentile; obese defined as at or above the 95th percentile.

@ NI data now uses International Obesity Task Force (IOTF) cut-off points for children, according to sex and age

Wales no longer publishes comparable data (since demise of Health Survey for Wales; last edition was 2015) - child measurement programme only.

UK estimate is a population-weighted average based on data from England and Scotland only.

Citation:

BHF (2025) Analysis of UK health survey data

Source:

NHS England (2024). Health Survey for England 2022 Part 1 [accessed May 2025]

<https://digital.nhs.uk/data-and-information/publications/statistical/health-survey-for-england>

The Scottish Government (2024). The Scottish Health Survey 2023 [accessed May 2025]

<https://www.gov.scot/publications/scottish-health-survey-2023-volume-1-main-report/documents/>

Northern Ireland Statistics and Research Agency (2020). Health Survey Northern Ireland 2019/20 [no updates for children as of May 2025]

<https://www.health-ni.gov.uk/publications/tables-health-survey-northern-ireland>

Table 5.29 Prevalence of obesity and overweight in children by sex, England, Scotland, Wales and Northern Ireland, child measurement programmes, latest

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Nation	OBESITY			OVERWEIGHT			OBESE or OVERWEIGHT		
	Boys %	Girls %	All %	Boys %	Girls %	All %	Boys %	Girls %	All %
England - Reception (ages 4-5)	9.9	9.4	9.6	12.4	12.5	12.4	22.2	21.9	22.1
England - Year 6 (ages 10-11)	24.5	19.6	22.1	13.6	13.9	13.8	38.1	33.5	35.8
Scotland - Primary 1 (age c.5)	10.8	10.2	10.5	11.5	12.0	11.7	22.3	22.2	22.3
Wales - children ages 4-5	12.0	11.7	11.8	13.3	14.0	13.7	25.3	25.7	25.5
Northern Ireland - Primary 1 (age c.5)	11.3	11.6	11.5	13.8	13.8	13.8	25.1	25.5	25.3
Northern Ireland - Year 8 (age c.12)	22.6	16.5	19.6	14.4	15.7	15.0	37.0	32.2	34.7

Notes: Overweight defined as at or above the 85th but below the 95th percentile; obese defined as at or above the 95th percentile.
Programme results are not directly comparable but use same methodology.

Citation: BHF (2025) Analysis of UK child measurement programme data

Source: NHS England (2024). National Child Measurement Programme, England, 2023/24 school year [accessed April 2025]
<https://digital.nhs.uk/data-and-information/publications/statistical/national-child-measurement-programme>
Public Health Scotland (2024). Primary 1 Body Mass Index (BMI) statistics Scotland 2023/24 [accessed April 2025]
<https://www.publichealthscotland.scot/publications/primary-1-body-mass-index-bmi-statistics-scotland/>
Public Health Wales (2025) Child Measurement Programme Report 2023/24 [accessed June 2025]
<https://phw.nhs.wales/services-and-teams/child-measurement-programme/>
Northern Ireland Public Health Agency (2025) Children's Health in Northern Ireland 2023/24 [accessed June 2025]
<https://www.publichealth.hscni.net/directorates/directorate-operations/statistics>

Table 5.30 Percentage of adults NOT meeting physical activity recommendations by age and sex, England, Scotland, Wales, Northern Ireland and UK, latest

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	England 2023/24							Scotland 2022							Wales 2022/23							Northern Ireland 2023/24							UK					
	Men		Women		All			Men		Women		All			Men		Women		All			Men		Women		All			Men		Women		All	
Age	%	(000)s	%	(000)s	%	(000)s	Age	%	(000)s	%	(000)s	%	(000)s	Age	%	(000)s	%	(000)s	%	(000)s	Age	%	(000)s	%	(000)s	%	(000)s	Age	%	(000)s	%	(000)s	%	(000)s
19-24					27	1,100	16-24	32	94	21	61	26	160	17	30	44	71	30	100															
25-34					31	2,400	25-34	20	69	37	130	29	200	29	57	45	89	37	150	19-34						34	130							
35-44					32	2,500	35-44	22	75	33	120	28	190	43	80	45	89	44	170	35-44						32	82							
45-54					31	2,200	45-54	29	98	36	130	33	230	43	80	46	90	45	170	45-54						43	100							
55-64					31	2,300	55-64	35	130	45	180	40	310	49	100	51	110	50	210	55-64						57	140							
65-74					31	1,700	65-74	47	140	49	150	48	290	44	75	51	93	48	170	65-74						52	95							
75-84					44	1,700	75+	55	120	70	210	64	330	59	87	64	120	62	210	75+						74	120							
85+					68	980																												
All Adults	30	6,500	35	8,100	33	15,000	All Adults	32	730	41	980	37	1,700	40	510	49	660	45	1,200	All Adults	42	300	49	370	45	660		30	8,000	35	10,000	33	18,000	

Notes: Guidelines are for at least 150 minutes moderate or 75 minutes vigorous activity per week or an equivalent combination.
All population figures are health survey results applied to latest official population estimates published by age, sex and nation by ONS/NRS/NISRA.
Totals may not add up due to rounding.

Citation: BHF (2025) Analysis of UK physical activity data

Source: OHID Fingertips (2025) derived from Sport England Active Lives Survey Nov 23 - Nov 24 [accessed May 2025]
The Scottish Government (2024). The Scottish Health Survey 2023 [accessed May 2025]
Welsh Government (2023). National Survey for Wales - Population health: health-related lifestyle (adults), 2022/23 [accessed Feb 2024]
Northern Ireland Statistics and Research Agency (2024). Health Survey Northern Ireland 2023/24 [accessed May 2025]

<https://fingertips.phe.org.uk/>
<https://www.gov.scot/collections/scottish-health-survey/>
<https://www.gov.wales/adult-lifestyle-national-survey-wales-april-2022-march-2023>
<https://www.health-ni.gov.uk/publications/health-survey-northern-ireland-first-results-202324>

Table 5.31 Prevalence of cigarette smoking among adults by age and sex, England, Scotland, Wales, Northern Ireland and UK, latest

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Age (years)	England 2023						Age (years)	Scotland 2023						Wales 2022/23						Age	Northern Ireland 2023/24						UK estimate (latest)					
	Men		Women		All			Men		Women		All		Men		Women		All			Men		Women		All		Men		Women		All	
	%	(000)s	%	(000)s	%	(000)s		%	(000)s	%	(000)s	%	(000)s	%	(000)s	%	(000)s	%	(000)s		%	(000)s	%	(000)s	%	(000)s	%	(000)s	%	(000)s		
							16-24	19	56	10	29	14	85	16	29	14	23	15	52													
18-24	12	300	8	190	10	490	25-34	16	55	13	47	15	100	20	38	16	32	18	70	16-34	20	44	10	22	15	66						
25-34	17	650	11	420	14	1,100	35-44	20	69	12	43	16	110	14	26	16	31	15	57	35-44	12	14	12	16	12	30						
35-44	14	540	11	430	13	970	45-54	15	51	18	65	16	120	13	25	14	27	14	52	45-54	13	15	16	20	14	35						
45-54	16	570	11	410	14	980	55-64	15	57	16	65	15	122	13	28	12	26	12	54	55-64	15	18	19	24	17	42						
55-64	14	490	12	440	13	930	65-74	16	46	15	47	15	93	9	16	7	13	8	29	65-74	14	13	12	11	13	24						
65+	9	430	8	440	8	870	75+	5	11	7	21	6	32	4	6	5	9	5	15	75+	7	5	5	5	6	10						
All Adults	13	3,000	10	2,300	12	5,300	All Adults	16	350	13	320	14	660	13	170	12	160	13	330	All Adults	15	110	12	100	13	210	13	3600	11	2900	12	6,500

Notes: Respondents were asked if they smoke cigarettes. Excludes those who reported smoking only cigars or pipes.
All estimates are rounded and as a result may not add up.
All population figures are health survey results applied to latest official population estimates published by age, sex and nation by ONS/NRS/NISRA.

Citation: BHF (2025) Analysis of UK population health surveys

Source: Office for National Statistics (2024) Annual Population Survey (APS) England 2023 ** [accessed May 2025]
<https://www.ons.gov.uk/peoplepopulationandcommunity/healthandsocialcare/healthandlifeexpectancies/bulletins/adultsmokinghabitsingreatbritain/2023>
The Scottish Government (2024). The Scottish Health Survey 2023 [accessed May 2025]
<https://www.gov.scot/publications/scottish-health-survey-2023-volume-1-main-report/documents/>
Welsh Government (2023). National Survey for Wales - Population health: health-related lifestyle (adults), 2022/23 [accessed Feb 2024]
<https://www.gov.wales/adult-lifestyle-national-survey-wales-april-2022-march-2023>
Northern Ireland Statistics and Research Agency (2024). Health Survey Northern Ireland 2023/24 [accessed May 2025]
<https://www.health-ni.gov.uk/publications/tables-health-survey-northern-ireland>

OTHER SOURCES ** estimates for all four UK nations can be found in the ONS (2024) APS 2023 - Scotland 13.5% - Wales 12.6% - Northern Ireland 13.3% - overall UK 11.9% (adults aged 18+)
<https://www.ons.gov.uk/peoplepopulationandcommunity/healthandsocialcare/healthandlifeexpectancies/bulletins/adultsmokinghabitsingreatbritain/2022>
Health Survey for England (NHS England 2024; 2022 fieldwork) = 12.7% - male 14.4%, female 11.0% <https://digital.nhs.uk/data-and-information/publications/statistical/health-survey-for-england/2022-part-1>
for England there is also the GP Patient Survey (GPPS) - latest prevalence (2024) is 13.1% - see OHID Fingertips website <https://fingertips.phe.org.uk/> [all accessed May 2025]
for Great Britain and constituent nations the ONS also publishes the Opinions and Lifestyle Survey (OPN) - latest prevalence (2023) = 10.5%
<https://www.ons.gov.uk/peoplepopulationandcommunity/healthandsocialcare/drugusealcoholandsmoking/datasets/adultsmokinghabitsingreatbritain>

Table 5.32 Prevalence of cigarette smoking among adults by deprivation quintile, England, Scotland, Wales, Northern Ireland, latest

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Type	Estimated prevalence					All
	Most deprived	2nd most	3rd most	4th most	Least deprived	
England 2022	21	17	9	10	9	13
Scotland 2023	26	17	14	11	6	14
Wales 2022/23	22	14	13	9	8	13
Northern Ireland 2023/24	23	20	10	9	7	13

Notes:

Aged 16+ years, Respondents were asked if they smoke cigarettes. Excludes those who reported smoking only cigars or pipes.

Citation:

BHF (2025) Analysis of UK health survey data

Source:

NHS England (2024). Health Survey for England 2022 Part 1 [accessed July 2024]

<https://digital.nhs.uk/data-and-information/publications/statistical/health-survey-for-england>

The Scottish Government (2024). The Scottish Health Survey 2023 [accessed April 2025]

<https://www.gov.scot/publications/scottish-health-survey-2023-volume-1-main-report/documents/>

Welsh Government (2023). National Survey for Wales - Population health: health-related lifestyle (adults), 2022/23

<https://www.gov.wales/adult-lifestyle-national-survey-wales-april-2022-march-2023>

Northern Ireland Statistics and Research Agency (2024). Health Survey Northern Ireland 2023/24 [accessed April 2025]

<https://www.health-ni.gov.uk/publications/tables-health-survey-northern-ireland>

Table 5.33 Percentage of adults exceeding weekly alcohol consumption guidelines by age and sex, England, Scotland, Wales, Northern Ireland and UK, latest

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Age	England 2022			Scotland 2023			Wales 2022/23			Age	Northern Ireland 2022/23			Age	UK Total, latest		
	Men %	Women %	All %	Men %	Women %	All %	Men %	Women %	All %		Men %	Women %	All %		Men %	Women %	All %
16-24	24	14	19	32	17	24	13	11	12					16-24	24	14	19
25-34	29	9	19	19	8	13	15	5	10	18-34	28	7	18	25-34	28	9	19
35-44	32	13	22	19	12	16	28	7	17	35-44	20	9	14	35-44	32	13	22
45-54	30	18	24	29	16	22	28	14	21	45-54	30	14	22	45-54	30	18	24
55-64	38	23	30	34	16	25	35	14	24	55-64	25	11	18	55-64	38	23	30
65-74	40	19	29	37	17	27	31	12	21	65-74	24	6	15	65-74	39	19	29
75+	31	14	22	25	9	16	24	6	14	75+	13	3	7	75+	31	14	22
All Adults	32	15	24	28	14	20	25	10	17	All Adults	25	9	16	All Adults	32	15	23

Notes: Weekly recommended limit is 14 units for adults.

UK percentages are population-weighted averages based on data from all four nations, where available and consistent.

Citation: BHF (2025) Analysis of UK population health surveys

Source: NHS England (2024). Health Survey for England 2022 Part 1 [accessed July 2024]

<https://digital.nhs.uk/data-and-information/publications/statistical/health-survey-for-england>

The Scottish Government (2024). The Scottish Health Survey 2023

<https://www.gov.scot/publications/scottish-health-survey-2023-volume-1-main-report/documents/>

Welsh Government (2023). National Survey for Wales - Population health: health-related lifestyle (adults), 2022-23

<https://www.gov.wales/adult-lifestyle-national-survey-wales-april-2022-march-2023>

Northern Ireland Statistics and Research Agency (2023). Health Survey Northern Ireland 2022/23 [no 2023/24 update]

<https://www.health-ni.gov.uk/publications/tables-health-survey-northern-ireland>

Table 5.34 Percentage of adults NOT meeting 5-a-day fruit and vegetable recommendations by age and sex, England, Scotland, Wales, Northern Ireland and UK, latest

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Age (years)	England 2022			Scotland 2021			Wales 2022/23			N Ireland 2023/24			UK Total, latest		
	Men %	Women %	All %	Men %	Women %	All %	Men %	Women %	All %	Men %	Women %	All %	Men %	Women %	All %
16-24	74	75	75	91	83	87	67	76	71				74	75	75
25-34	76	72	74	82	79	81	71	78	75	61	62	62	76	73	74
35-44	70	66	68	73	80	77	70	71	71	67	58	62	70	66	68
45-54	70	71	71	82	79	80	69	75	72	69	51	60	70	71	71
55-64	71	72	71	75	74	75	72	71	72	64	52	58	71	72	71
65-74	69	63	66	72	71	71	68	67	68	65	50	57	69	63	66
75+	67	71	69	77	76	77	68	75	72	65	58	61	67	71	69
All Adults	72	70	71	78	77	78	70	73	71	64	55	59	72	70	71

Notes: Recommendation is at least 5 portions of different types of fruit or vegetable.

UK percentages are population-weighted averages based on data from all four nations, where available and consistent.

Citation: BHF (2025) Analysis of UK population health surveys

Source: NHS England (2024). Health Survey for England 2022 Part 1 [accessed July 2024]

<https://digital.nhs.uk/data-and-information/publications/statistical/health-survey-for-england>

The Scottish Government (2022). The Scottish Health Survey 2021 [no survey update]

<https://www.gov.scot/publications/scottish-health-survey-2021-supplementary-tables/>

Welsh Government (2023). National Survey for Wales - Population health: health-related lifestyle (adults), 2022-23

<https://www.gov.wales/adult-lifestyle-national-survey-wales-april-2022-march-2023>

Northern Ireland Statistics and Research Agency (2024). Health Survey Northern Ireland 2023/24 [accessed April 2025]

<https://www.health-ni.gov.uk/publications/tables-health-survey-northern-ireland>

Table 5.35 Levels of Air Pollution (fine particulate matter; PM_{2.5}) by nation and region, United Kingdom 2019 to 2023

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ONS Code	Nation/Region	PM _{2.5} (anthropogenic)					PM _{2.5} (total)				
		2019	2020	2021	2022	2023	2019	2020	2021	2022	2023
E12000004	East Midlands	9.4	6.5	7.0	7.8	7.0	9.9	7.0	7.4	8.2	7.5
E12000006	East of England	9.7	7.2	6.9	7.7	6.6	10.3	7.8	7.3	8.3	7.2
E12000007	London	11.4	8.9	8.3	9.0	7.7	11.9	9.6	8.7	9.6	8.3
E12000001	North East England	6.2	4.8	6.0	6.8	5.6	6.6	5.3	6.4	7.2	6.1
E12000002	North West England	7.9	6.1	6.6	7.1	6.0	8.3	6.7	7.1	7.5	6.6
E12000008	South East England	9.1	7.4	6.8	7.1	6.1	9.7	8.1	7.3	7.6	6.7
E12000009	South West England	7.3	6.2	6.2	5.6	5.1	7.9	7.0	6.8	6.1	5.7
E12000005	West Midlands	9.4	6.7	6.9	7.1	6.3	9.9	7.3	7.3	7.6	6.9
E12000003	Yorkshire and The Humber	8.4	6.1	6.3	6.5	6.3	8.9	6.6	6.7	6.8	6.8
E92000001	England	9.0	6.9	6.9	7.3	6.4	9.6	7.5	7.4	7.8	7.0
S92000003	Scotland	5.2	3.7	3.7	4.1	3.6	5.5	4.1	4.1	4.6	4.1
W92000004	Wales	6.9	5.4	6.0	6.1	4.7	7.5	6.1	6.6	6.7	5.3
N92000002	Northern Ireland	5.5	5.0	5.3	4.5	3.8	5.9	5.6	5.7	5.2	4.4
K02000001	UK	8.5	6.5	6.5	6.9	6.0	9.1	7.1	7.0	7.4	6.6

Notes: Population-weighted annual mean PM_{2.5} concentration (ugm-3); UK calculation by BHF.

The anthropogenic component is used for health burden calculations as burden estimates based on total PM_{2.5} might give a misleading impression of the scale of the potential influence of policy intervention.

Citation: BHF (2025) Analysis of Defra air pollution data

Source: Department for Environment Food & Rural Affairs (Defra). UK Air Information Resource
<https://uk-air.defra.gov.uk/data/pcm-data> [accessed Mar 2025]

Table 5.36 Heart and circulatory diseases (CVD), coronary heart disease (CHD), and stroke (CBVD) deaths and DALYs attributable to modifiable risk factors, global, 2021

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Reset to Published Order	RISK FACTOR (% attributable)	2021 estimated burden - GLOBAL DEATHS			attributable global deaths (annual m)			2021 estimated burden - GLOBAL DALYs		
		Heart and circulatory diseases (CVD)	Coronary heart disease (CHD)	Stroke (CBVD)	Heart and circulatory diseases (CVD)	Coronary heart disease (CHD)	Stroke (CBVD)	Heart and circulatory diseases (CVD)	Coronary heart disease (CHD)	Stroke (CBVD)
	All modifiable risk factors	82.6%	91.7%	84.5%				80.1%	92.3%	84.1%
	High systolic blood pressure (hypertension)	53.5%	52.2%	58.1%	10.4	4.7	4.2	50.1%	49.9%	57.3%
	Dietary risks (lack of wholegrains, nuts, seeds, fruit, veg, etc; excess salt, sugar)	30.0%	43.4%	14.9%	5.8	3.9	1.1	31.3%	47.7%	17.1%
	Air pollution (particulate matter)	23.1%	27.7%	27.4%	4.5	2.5	2.0	23.3%	29.0%	28.0%
	High LDL (bad) cholesterol	18.8%	30.1%	12.9%	3.6	2.7	0.9	20.5%	35.4%	13.1%
	Tobacco (cigarette smoking, second-hand smoke)	14.6%	18.8%	14.9%	2.8	1.7	1.1	17.2%	23.0%	17.8%
	High fasting plasma glucose (diabetes)	11.4%	15.0%	11.6%	2.2	1.3	0.8	10.0%	13.8%	10.3%
	Impaired kidney function (dysfunction; renal failure)	10.8%	15.6%	9.3%	2.1	1.4	0.7	9.7%	13.9%	9.4%
	High body-mass index (obesity and excess weight)	9.8%	11.0%	3.7%	1.9	1.0	0.3	10.6%	12.7%	4.8%
	Other environmental risks (e.g. lead exposure)	7.6%	6.6%	7.7%	1.5	0.6	0.6	7.0%	6.3%	7.5%
	Non-optimal (low/high) temperature	6.3%	6.8%	6.7%	1.2	0.6	0.5	5.6%	6.6%	5.8%
	High alcohol use (misuse; binge drinking)	2.0%	*	5.0%	0.4	*	0.4	2.2%	*	5.3%
	Low physical activity (inactivity, sedentary behaviour)	1.9%	2.6%	1.9%	0.4	0.2	0.1	1.7%	2.1%	2.1%
	Other (non-modifiable) risk factors/unknown	17.4%	8.3%	15.5%				19.9%	7.7%	15.9%

Notes Annual attributable deaths rounded. All figures are modelled estimates, so are likely to differ from previous editions.
Non-modifiable risk factors (age, sex, family history, ethnicity, deprivation/socioeconomic status etc) are not included in this analysis.
DALYs - disability-adjusted life years - sum of lost healthy years across the population * = does not show as a risk factor for this condition
ICD-10 codes for cardiovascular disease (CVD) B33.2, G45-G46.8, I01-I01.9, I02.0, I05-I09.9, I11-I11.9, I20-I25.9, I27.0, I27.2, I28-I28.9, I30-I31.1, I31.8-I37.8, I38-I41.9, I42.1-I42.8, I43-I43.9, I47-I48.9, I51.0-I51.4, I60-I63.9, I65-I66.9, I67.0-I67.3, I67.5-I67.6, I68.0-I68.2, I69.0-I69.3, I70.2-I70.8, I71-I73.9, I77-I83.9, I86-I89.0, I89.9, I98, K75.1
ICD-10 codes for coronary heart disease (CHD) I20-I25.9 - ICD-10 codes for stroke (CBVD) G45-G46.8, I60-I63.9, I65-I66.9, I67.0-I67.3, I67.5-I67.6, I68.1-I68.2, I69.0-I69.3

Citation: BHF (2024) Analysis of GBD data
Source: Global Burden of Disease Collaborative Network. <http://ghdx.healthdata.org/gbd-results-tool>
Global Burden of Disease Study 2021 Results. [accessed July 2024]
Seattle, United States: Institute for Health Metrics and Evaluation (IHME), 2024.