British Heart Foundation

Heart and Circulatory Disease Statistics 2021

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(Chapter 1 all recent ASDRs reviewed and revised; Table 2.1 previously corrected)

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

Original Excel spreadsheets and Tableau visuals can be found at bhf.org.uk/statistics

BHF Health Statistic Factsheets are available for the UK, England, Scotland, Wales and Northern Ireland.

For referencing and content **enquiries** please contact the BHF – **mark emails for the attention of the Health Intelligence team** – we will do our best to help.

Beat heartbreak forever.

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GLOSSARY

Definitions for the terms used in this compendium

Acute coronary syndrome (ACS) - ischaemic (coronary) heart disease, a term usually used to describe a heart attack but also unstable angina.

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 with very different age structures.

Angioplasty – a technique to widen a narrowed or obstructed blood vessel by inflating tightly folded balloons that have been passed into the narrowed location via a catheter. This technique squashes the fatty tissue that has caused the narrowing, hence widening the artery.

Atherosclerosis – a build-up of fatty deposits inside the arteries. The disease is commonly referred to as 'hardening' or 'furring' of the arteries.

Atrial fibrillation (AF) – a heart condition that causes an irregular and often abnormally fast heart rate.

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/(1.8x1.8)). 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.

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).

Diabetes – a disease characterised by high blood sugar 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.

Diastolic pressure – the pressure when your heart rests 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 take into account 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 (H&CDs) – the collective term for all diseases affecting the heart and blood vessels – also referred to here as cardiovascular disease.

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 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 be 'silent' and produce 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 problems, 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.

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 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 narrowed 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 restricting 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.

Stent – a short tube of expandable mesh which is inserted at the part of the artery that is to be widened by coronary angioplasty. It helps to keep the artery open and prevent re-narrowing.

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 when your heart pumps blood out (see blood pressure).

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 THE BRITISH HEART FOUNDATION

One in four of us in the UK and one in three globally die from heart and circulatory diseases. That's why the British Heart Foundation funds world-leading research into their causes, prevention, treatment and cure.

Advances from our research have saved and improved millions of lives, but heart diseases, stroke, vascular dementia and their risk factors such as diabetes still cause heartbreak on every street. With the public's support, our funding will drive the new discoveries to end that heartbreak.

We are the **biggest** independent funder of heart and circulatory disease research in the UK.

Find out more at bhf.org.uk

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republished in 2022 - ASDRs (death rates) have been reviewed and updated

Heart and Circulatory Disease Statistics 2021 - 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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All causes	MEN	301,579	7,360	6,239	14,881	29,162	58,832	91,789	93,316
	WOMEN	303,128	4,171	3,818	9,779	20,167	42,411	80,732	142,050
	Total	**604,707**	**11,531**	**10,057**	**24,660**	**49,329**	**101,243**	**172,521**	**235,366**
All heart and circulatory diseases	MEN	84,742	535	1,096	3,840	8,009	15,852	26,556	28,854
(I00-I99, C38.0, F01, G45, P29, Q20-Q28)	WOMEN	79,146	371	460	1,417	3,442	8,229	21,255	43,972
	Total	**163,888**	**906**	**1,556**	**5,257**	**11,451**	**24,081**	**47,811**	**72,826**
Diseases of the circulatory	MEN	78,176	421	1,060	3,818	7,938	15,406	24,304	25,229
system	WOMEN	69,692	278	452	1,387	3,393	7,963	19,051	37,168
(I00-I99)	Total	**147,868**	**699**	**1,512**	**5,205**	**11,331**	**23,369**	**43,355**	**62,397**
Chronic rheumatic heart	MEN	323	4	7	13	21	54	107	117
diseases	WOMEN	576	2	8	18	30	78	203	237
(I05-I09)	**Total**	**899**	**6**	**15**	**31**	**51**	**132**	**310**	**354**
Hypertensive diseases	MEN	3,321	5	41	176	299	590	907	1,303
(I10-I15)	WOMEN	4,551	5	12	55	162	389	1,004	2,924
	Total	**7,872**	**10**	**53**	**231**	**461**	**979**	**1,911**	**4,227**
Coronary heart disease	MEN	39,845	91	470	2,229	5,033	9,103	12,313	10,606
(I20-I25)	WOMEN	23,392	22	121	496	1,529	3,341	6,882	11,001
	Total	**63,237**	**113**	**591**	**2,725**	**6,562**	**12,444**	**19,195**	**21,607**
Myocardial infarction	*MEN*	*15,006*	*39*	*206*	*963*	*2,031*	*3,613*	*4,649*	*3,505*
(I21-I22)	*WOMEN*	*9,302*	*8*	*52*	*214*	*666*	*1,505*	*2,944*	*3,913*
	Total	***24,308***	***47***	***258***	***1,177***	***2,697***	***5,118***	***7,593***	***7,418***
Other heart diseases	MEN	13,806	215	280	596	1,014	1,937	3,929	5,835
(I26-I52)	WOMEN	16,444	146	131	297	582	1,338	3,862	10,088
	Total	**30,250**	**361**	**411**	**893**	**1,596**	**3,275**	**7,791**	**15,923**
Stroke	MEN	14,988	56	163	498	1,013	2,466	5,065	5,727
(I60-I69)	WOMEN	19,432	61	119	337	758	1,977	5,453	10,727
	Total	**34,420**	**117**	**282**	**835**	**1,771**	**4,443**	**10,518**	**16,454**
Diseases of arteries,	MEN	4,735	20	44	152	344	947	1,729	1,499
arterioles and capillaries	WOMEN	3,816	8	13	60	164	546	1,237	1,788
(I70-I79)	**Total**	**8,551**	**28**	**57**	**212**	**508**	**1,493**	**2,966**	**3,287**
Diseases of veins, lymphatic	MEN	1,145	30	55	154	214	307	251	134
vessels and lymph nodes*	WOMEN	1,454	34	48	124	167	293	404	384
(I80-I89)	**Total**	**2,599**	**64**	**103**	**278**	**381**	**600**	**655**	**518**
Malignant neoplasm: Heart	MEN	8	-	2	-	2	-	2	2
(C38.0)	WOMEN	10	2	-	2	1	-	2	3
	Total	**18**	**2**	**2**	**2**	**3**	**-**	**4**	**5**
Vascular dementia	MEN	6,254	-	-	-	29	409	2,220	3,596
(F01)	WOMEN	9,181	-	-	2	14	244	2,164	6,757
	Total	**15,435**	**-**	**-**	**2**	**43**	**653**	**4,384**	**10,353**
Transient cerebral ischaemic attacks	MEN	12	-	-	-	-	-	3	9
and related syndromes	WOMEN	29	-	-	-	-	-	5	24
(G45)	**Total**	**41**	**-**	**-**	**-**	**-**	**-**	**8**	**33**
Cardiovascular disorders originating	MEN	5	5	-	-	-	-	-	-
in the perinatal period	WOMEN	3	3	-	-	-	-	-	-
(P29)	**Total**	**8**	**8**	**-**	**-**	**-**	**-**	**-**	**-**
Congenital malformations of	MEN	287	109	34	22	40	37	27	18
the circulatory system	WOMEN	231	88	8	26	34	22	33	20
(Q20-Q28)	**Total**	**518**	**197**	**42**	**48**	**74**	**59**	**60**	**38**
Cancer	MEN	91,779	665	999	3,843	11,216	24,701	30,690	19,665
(C00-D48)	WOMEN	80,450	626	1,359	4,488	9,991	19,392	24,919	19,675
	Total	**172,229**	**1,291**	**2,358**	**8,331**	**21,207**	**44,093**	**55,609**	**39,340**
Lung cancer	MEN	18,508	15	103	659	2,435	5,995	6,469	2,832
(C33,C34)	WOMEN	16,089	14	86	561	2,157	4,923	5,477	2,871
	Total	**34,597**	**29**	**189**	**1,220**	**4,592**	**10,918**	**11,946**	**5,703**
Breast cancer	MEN	79	-	1	2	11	26	27	12
(C50)	WOMEN	11,375	95	429	1,281	1,816	2,310	2,764	2,680
	Total	**11,454**	**95**	**430**	**1,283**	**1,827**	**2,336**	**2,791**	**2,692**
Respiratory disease	MEN	39,847	204	238	861	2,586	7,420	13,381	15,157
(J00-J99)	WOMEN	41,115	189	185	693	2,008	6,020	11,886	20,134
	Total	**80,962**	**393**	**423**	**1,554**	**4,594**	**13,440**	**25,267**	**35,291**
Lower respiratory disease	MEN	17,408	37	55	353	1,372	4,294	6,564	4,733
(J40 - J47)	WOMEN	18,014	23	47	318	1,247	4,023	6,539	5,817
	Total	**35,422**	**60**	**102**	**671**	**2,619**	**8,317**	**13,103**	**10,550**
Diabetes	MEN	4,038	67	95	186	401	720	1,278	1,291
(E10-E14)	WOMEN	3,789	37	39	119	261	476	1,044	1,813
	Total	**7,827**	**104**	**134**	**305**	**662**	**1,196**	**2,322**	**3,104**
Unspecified dementia and Alzheimer's	MEN	20,237	-	-	9	113	1,142	6,483	12,490
(F03, G30)	WOMEN	39,115	-	4	6	142	1,355	8,911	28,697
	Total	**59,352**	**-**	**4**	**15**	**255**	**2,497**	**15,394**	**41,187**

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

Sources: England and Wales, Office for National Statistics (2020) Deaths registered by cause, gender and age.
https://www.nomisweb.co.uk/datasets/mortsa
Scotland, National Records of Scotland (2020) Deaths, by gender, age and cause.
https://www.nrscotland.gov.uk/statistics-and-data/statistics/statistics-by-theme/vital-events/general-publications/vital-events-reference-tables/2019
Northern Ireland, Statistics and Research Agency (2020) Deaths by sex, age and cause
https://www.nisra.gov.uk/publications/registrar-general-annual-report-2019-cause-death

Table 1.2 Deaths by cause, by gender and age, England, Wales, Scotland and Northern Ireland 2019

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		All ages				*Under 75*			
		England	Wales	Scotland	Northern Ireland	England	Wales	Scotland	Northern Ireland
All causes	MEN	247,894	16,624	28,489	7,790	93,564	6,587	12,539	3,214
	WOMEN	248,476	16,559	29,619	7,968	64,176	4,568	8,962	2,292
	Total	**496,370**	**33,183**	**58,108**	**15,758**	**157,740**	**11,155**	**21,501**	**5,506**
All heart and circulatory diseases	MEN	69,115	4,768	8,451	2,070	23,547	1,746	3,063	735
(I00-I99, C38.0, F01, G45, P29, Q20-Q28)	WOMEN	64,182	4,346	8,504	1,943	11,036	820	1,604	359
	Total	**133,297**	**9,114**	**16,955**	**4,013**	**34,583**	**2,566**	**4,667**	**1,094**
Diseases of the circulatory	MEN	**63,942**	**4,425**	**7,566**	**1,914**	**23,032**	**1,701**	**2,967**	**708**
system	WOMEN	**56,715**	**3,842**	**7,195**	**1,772**	**10,676**	**796**	**1,552**	**351**
(I00-I99)	Total	**120,657**	**8,267**	**14,761**	**3,686**	**33,708**	**2,497**	**4,519**	**1,059**
Chronic rheumatic heart	MEN	260	17	38	6	78	5	11	3
diseases	WOMEN	430	31	84	27	104	7	17	5
(I05-I09)	**Total**	**690**	**48**	**122**	**33**	**182**	**12**	**28**	**8**
Hypertensive diseases	MEN	2,826	156	260	73	940	47	91	29
(I10-I15)	WOMEN	3,813	204	393	135	513	30	54	22
	Total	**6,639**	**360**	**653**	**208**	**1,453**	**77**	**145**	**51**
Coronary heart disease	MEN	32,304	2,331	4,004	1,000	13,472	1,035	1,833	430
(I20-I25)	WOMEN	18,837	1,317	2,556	613	4,300	332	686	151
	Total	**51,141**	**3,648**	**6,560**	**1,613**	**17,772**	**1,367**	**2,519**	**581**
Myocardial infarction	*MEN*	*11,168*	*784*	*2,430*	*530*	*5,148*	*369*	*1,060*	*203*
(I21-I22)	*WOMEN*	*6,854*	*460*	*1,604*	*358*	*1,782*	*130*	*422*	*94*
	Total	***18,022***	***1,244***	***4,034***	***888***	***6,930***	***499***	***1,482***	***297***
Other heart diseases	MEN	11,459	733	1,236	341	3,291	227	396	98
(I26-I52)	WOMEN	13,681	873	1,440	422	1,995	140	274	70
	Total	**25,140**	**1,606**	**2,676**	**763**	**5,286**	367	**670**	**168**
Stroke	MEN	12,253	815	1,490	379	3,407	226	436	103
(I60-I69)	WOMEN	15,561	1,086	2,256	479	2,573	193	385	75
	Total	**27,814**	**1,901**	**3,746**	**858**	**5,980**	419	**821**	**178**
Diseases of arteries,	MEN	3,860	299	461	95	1,203	112	147	30
arterioles and capillaries	WOMEN	3,130	238	367	75	645	51	75	15
(I70-I79)	**Total**	**6,990**	**537**	**828**	**170**	**1,848**	**163**	**222**	**45**
Diseases of veins, lymphatic	MEN	972	73	73	20	640	49	52	15
vessels and lymph nodes*	WOMEN	1,240	93	95	21	544	43	61	13
(I80-I89)	**Total**	**2,212**	**166**	**168**	**41**	**1,184**	92	**113**	**28**
Malignant neoplasm: Heart	MEN	7	1			3	1		
(C38.0)	WOMEN	10	0			5	0		
	Total	**17**	**1**			**8**	1		
Vascular dementia	MEN	4,922	327	859	143	316	33	74	15
(F01)	WOMEN	7,240	490	1,286	164	203	17	37	3
	Total	**12,162**	**817**	**2,145**	**307**	**519**	50	**111**	**18**
Transient cerebral ischaemic attacks	MEN	9	1	2	0				
and related syndromes	WOMEN	21	1	6	1				
(G45)	**Total**	**30**	**2**	**8**	**1**	**0**	0	**0**	**0**
Cardiovascular disorders originating	MEN	2		3	0	2		3	0
in the perinatal period	WOMEN	2		0	1	2		0	1
(P29)	**Total**	**4**	**0**	**3**	**1**	**4**	0	**3**	**1**
Congenital malformations of	MEN	233	14	21	13	194	11	19	12
the circulatory system	WOMEN	194	13	17	5	150	7	15	4
(Q20-Q28)	**Total**	**427**	**27**	**38**	**18**	**344**	18	**34**	**16**
All cancer	MEN	75,527	5,095	8,616	2,401	33,715	2,350	4,155	1,111
(C00-D48)	WOMEN	65,539	4,389	8,175	2,172	28,963	1,965	3,767	1,020
	Total	**141,066**	**9,484**	**16,791**	**4,573**	**62,678**	**4,315**	**7,922**	**2,131**
Lung cancer	MEN	14,890	1,017	2,043	541	7,330	499	1,095	273
(C33,C34)	WOMEN	12,626	885	2,052	498	6,010	424	1,031	255
	Total	**27,516**	**1,902**	**4,095**	**1,039**	**13,340**	**923**	**2,126**	**528**
Breast cancer	MEN	63	3	10	3	30	2	6	2
(C50)	WOMEN	9,462	596	985	309	4,923	298	531	158
	Total	**9,525**	**599**	**995**	**312**	**4,953**	**300**	**537**	**160**
Respiratory disease	MEN	33,365	2,415	3,057	953	9,271	738	988	281
(J00-J99)	WOMEN	34,002	2,562	3,495	1,017	7,277	600	965	231
	Total	**67,367**	**4,977**	**6,552**	**1,970**	**16,548**	**1,338**	**1,953**	**512**
Lower respiratory disease	MEN	14,502	984	1,452	458	4,985	382	571	167
(J40 - J47)	WOMEN	14,614	1,096	1,831	460	4,480	338	683	151
	Total	**29,116**	**2,080**	**3,283**	**918**	**9,465**	**720**	**1,254**	**318**
Diabetes	MEN	3,137	212	571	111	1,089	75	259	40
(E10-E14)	WOMEN	2,970	199	496	121	696	49	156	30
	Total	**6,107**	**411**	**1,067**	**232**	**1,785**	**124**	**415**	**70**
Unspecified dementia and Alzheimer's	MEN	17,417	960	1,348	507	1,065	72	99	28
(F03, G30)	WOMEN	33,197	1,851	2,928	1,128	1,272	73	124	36
	Total	**50,614**	**2,811**	**4,276**	**1,635**	**2,337**	**145**	**223**	**64**

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

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Northern Ireland, Statistics and Research Agency (2020) Deaths by sex, age and cause
https://www.nisra.gov.uk/publications/registrar-general-annual-report-2019-cause-death

Table 1.3 Age-standardised death rates per 100,000 from all heart and circulatory diseases, all ages, United Kingdom and England, Wales, Scotland, Northern Ireland, 1969 to 2019

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	United Kingdom			England			Wales			Scotland			Northern Ireland		
Year	Men	Women	Both	Men	Women	Both	Men	Women	Both	Men	Women	Both	Men	Women	Both
1969	1281	889	1045	1245	861	1013	1476	985	1178	1481	1066	1229	1423	1062	1218
1971	1243	840	999	1210	817	973	1372	914	1097	1417	977	1148	1508	1029	1223
1973	1245	845	1004	1209	821	976	1363	913	1092	1456	995	1176	1546	1047	1243
1975	1208	803	965	1178	784	941	1317	864	1047	1381	919	1098	1428	961	1149
1977	1145	760	916	1114	740	892	1240	823	994	1297	871	1036	1510	969	1182
1979	1152	753	914	1121	733	890	1229	797	971	1344	889	1063	1435	904	1115
1981	1072	695	848	1046	678	828	1137	737	899	1248	814	982	1247	786	974
1983	1032	664	814	1008	648	795	1127	701	872	1186	778	939	1142	743	907
1985	1014	656	803	994	641	786	1083	688	848	1163	763	920	1062	713	859
1987	933	600	737	914	585	721	973	618	762	1097	717	866	991	652	792
1989	890	578	706	867	562	688	929	608	740	1076	706	851	963	615	755
1991	853	554	677	840	543	665	878	563	695	972	653	781	866	565	690
1993	824	537	656	805	521	639	855	568	691	987	663	795	865	558	686
1994	764	499	609	749	486	595	784	522	632	907	610	730	848	570	682
1995	753	491	601	738	477	586	799	525	639	883	603	718	834	547	661
1996	737	481	588	721	469	574	773	515	624	887	581	704	789	521	627
1997	701	461	562	685	449	548	741	486	592	839	569	680	774	497	609
1998	679	452	547	665	441	535	705	469	569	802	548	654	736	486	592
1999	654	434	527	637	421	513	697	464	565	796	535	642	731	499	595
2000	615	407	495	601	395	482	647	437	528	742	505	604	653	443	532
2001	623	415	503	612	405	493	667	453	543	696	482	572	659	447	535
2002	610	409	494	599	398	483	639	445	530	701	491	577	629	437	516
2003	588	400	480	574	392	470	646	429	520	697	470	562	592	407	485
2004	544	370	445	533	360	434	560	398	469	649	449	532	561	386	461
2005	516	351	422	504	341	411	558	385	460	606	426	503	535	354	429
2006	483	328	395	473	319	386	510	352	421	562	398	467	494	347	410
2007	464	317	381	451	307	370	496	349	415	565	384	460	500	329	398
2008	450	311	372	440	303	362	488	335	401	525	377	442	479	320	384
2009	420	289	346	411	281	338	447	315	375	491	353	413	437	300	358
2010	409	278	336	399	271	327	445	303	365	483	333	397	431	285	346
2011	373	257	309	361	249	299	442	278	347	451	319	377	389	257	315
2012	367	256	305	355	248	295	448	277	348	436	321	373	373	261	311
2013	362	247	298	352	240	290	404	265	326	432	306	361	362	249	298
2014	346	234	284	338	228	277	371	250	304	414	290	344	343	229	277
2015	350	241	290	341	233	282	371	259	311	434	308	364	342	230	278
2016	335	227	276	326	220	268	360	245	297	414	288	343	319	219	263
2017	330	224	272	321	218	264	352	231	287	410	290	344	335	218	269
2018	324	217	266	315	210	258	353	232	288	404	280	335	313	209	254
2019	320	208	254	311	200	246	344	223	274	401	275	326	319	204	234

Notes: For 1969 to 2003 ICD-10 codes I00-I99 only. For 2004 to 2019 ICD-10 codes I00-I99, C38.0, F01, G45, P29, Q20-Q28 . Directly age-standardised using the 2013 European Standard Population.
Northern Ireland coded deaths differently until 1979, therefore these underestimate the rate compared to rest of the UK.
C38.0 not available for Scotland & Northern Ireland at time of publication

Source: 1969 to 2009: England and Wales, Office for National Statistics (2016) Personal communication.
Scotland, General Register Office (2018) Personal communication.
Northern Ireland, Statistics and Research Agency (2018) Personal communication.
2010 to 2014: England and Wales, Office for National Statistics; Scotland, General Register Office for Scotland; Northern Ireland, Northern Ireland Statistics and Research Agency.
2015 to 2019 England and Wales: NOMIS Mortality Statistics
www.nomisweb.co.uk/articles/983.aspx
2019 Scotland: National Records of Scotland Mortality Statistics
https://www.nrscotland.gov.uk/statistics-and-data/statistics/statistics-by-theme/vital-events
2019 Northern Ireland, Statistics and Research Agency
https://www.nisra.gov.uk/publications/registrar-general-annual-report-2019-cause-death

Table 1.4 Age-standardised death rates per 100,000 from all heart and circulatory diseases, under 75, United Kingdom and England, Wales, Scotland, Northern Ireland, 1969 to 2019

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	United Kingdom			England			Wales			Scotland			Northern Ireland		
Year	Men	Women	Both	Men	Women	Both	Men	Women	Both	Men	Women	Both	Men	Women	Both
1969	500	250	360	485	238	347	580	286	417	582	320	433	566	312	426
1971	487	233	346	472	222	334	549	263	392	573	296	416	549	294	409
1973	488	233	348	472	222	335	544	265	390	593	297	426	576	304	427
1975	475	221	336	459	211	324	543	253	384	561	276	401	567	282	410
1977	459	213	325	445	203	313	521	245	370	527	268	382	588	278	417
1979	462	211	325	447	201	314	504	230	354	545	275	395	583	279	415
1981	432	196	304	418	187	293	469	210	328	513	259	373	534	245	375
1983	417	188	293	404	179	282	464	206	324	498	246	359	495	242	356
1985	397	179	279	384	170	269	433	194	304	480	241	348	473	228	339
1987	369	168	261	358	160	251	390	181	278	453	224	327	424	200	301
1989	342	158	243	329	150	233	363	171	260	433	217	314	404	185	284
1991	319	147	227	309	141	219	337	150	237	392	196	285	353	168	252
1993	304	140	217	293	134	209	329	149	233	381	186	275	346	161	245
1994	308	144	220	297	137	212	324	155	234	383	191	278	353	173	255
1995	301	140	215	291	133	207	323	150	231	370	182	268	346	170	250
1996	289	135	207	280	130	201	310	143	222	359	170	257	310	152	224
1997	272	128	196	263	123	189	298	141	215	338	168	246	310	142	219
1998	261	124	189	253	119	182	278	129	200	326	158	235	287	129	202
1999	247	116	178	238	111	172	275	124	196	307	149	222	275	125	194
2000	231	107	166	223	103	160	248	116	179	288	138	207	238	112	170
2001	219	103	158	213	99	153	240	115	175	264	129	191	221	106	159
2002	209	98	151	202	94	146	230	109	167	252	126	184	220	104	157
2003	198	92	143	192	89	138	219	102	158	244	117	176	200	87	140
2004	183	84	132	178	81	127	192	96	142	225	109	163	192	90	138
2005	171	79	123	166	76	119	190	89	137	214	102	155	173	82	125
2006	159	74	115	155	71	112	173	79	124	195	97	144	162	81	120
2007	152	69	109	146	66	105	161	78	118	198	92	142	156	71	112
2008	143	66	103	138	63	100	152	73	112	184	86	132	144	72	106
2009	134	60	96	130	57	93	147	70	107	164	80	120	136	68	101
2010	131	58	93	127	56	90	137	64	100	162	75	116	140	64	101
2011	120	54	86	115	52	83	131	64	96	151	71	109	127	52	88
2012	114	53	82	110	51	79	125	60	91	146	70	107	117	46	80
2013	113	51	81	109	49	78	126	57	91	143	68	104	111	50	80
2014	109	49	78	106	47	76	118	55	85	134	62	96	103	48	75
2015	109	50	79	105	48	76	125	59	92	140	65	101	104	51	77
2016	107	49	77	103	47	74	120	57	88	135	65	99	100	49	74
2017	105	47	76	102	45	73	123	52	87	134	64	97	103	47	74
2018	106	47	76	103	45	73	120	56	87	129	60	93	96	45	70
2019	101	46	73	99	44	71	119	53	85	125	61	92	96	45	70

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www.nomisweb.co.uk/articles/983.aspx
2019 Scotland: National Records of Scotland Mortality Statistics
https://www.nrscotland.gov.uk/statistics-and-data/statistics/statistics-by-theme/vital-events
2019 Northern Ireland, Statistics and Research Agency
https://www.nisra.gov.uk/publications/registrar-general-annual-report-2019-cause-death

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, 1971 to 2019

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	United Kingdom			England			Wales			Scotland			Northern Ireland		
Year	Men	Women	Both	Men	Women	Both	Men	Women	Both	Men	Women	Both	Men	Women	Both
1971	-	-	-	632	316	442	724	363	508	779	418	561	-	-	-
1973	-	-	-	652	331	459	739	367	516	818	440	590	-	-	-
1975	668	337	469	648	326	455	748	363	517	783	409	555	786	408	563
1977	660	333	465	640	322	450	728	349	502	765	414	553	856	428	599
1979	647	314	448	629	305	436	693	323	470	759	374	522	800	394	559
1981	626	310	437	611	301	426	664	319	456	722	374	511	747	367	522
1983	620	305	432	604	297	421	675	315	458	720	364	503	722	355	504
1985	624	316	441	611	308	431	676	328	467	713	378	509	675	360	490
1987	581	295	411	567	286	400	615	304	429	696	366	494	637	334	458
1989	552	287	395	537	278	383	587	303	418	665	360	479	628	327	448
1991	532	280	382	522	273	374	563	291	402	608	331	440	574	297	409
1993	510	269	368	498	260	358	548	291	396	599	331	439	552	294	400
1994	469	247	338	458	240	329	490	254	351	551	298	398	539	301	397
1995	458	238	328	447	231	320	489	252	349	531	291	387	527	289	383
1996	442	230	317	432	224	309	465	246	337	529	278	377	489	270	358
1997	417	218	300	407	212	292	447	225	315	489	272	359	482	253	346
1998	402	212	291	394	207	284	418	217	300	465	257	341	464	245	334
1999	383	200	276	372	193	267	418	212	299	464	252	338	446	239	323
2000	361	186	259	352	180	251	389	205	281	420	234	310	407	215	292
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	83	123	204	97	144	210	109	152	188	96	136
2014	167	79	117	163	76	114	181	85	126	198	100	141	178	84	123
2015	166	78	117	162	75	113	182	88	131	203	102	146	173	87	123
2016	155	72	108	151	69	105	175	79	122	185	94	134	153	71	106
2017	154	70	107	150	67	104	169	77	118	186	90	132	159	71	110
2018	148	65	102	144	62	99	168	72	115	181	87	128	142	61	96
2019	146	63	98	142	60	95	163	69	109	183	83	124	148	65	100

Notes: ICD-10 codes I20-I25. Directly age-standardised using the 2013 European Standard Population.

Source: 1969 to 2009: England and Wales, Office for National Statistics (2016) Personal communication.
Scotland, General Register Office (2018) Personal communication.
Northern Ireland, Statistics and Research Agency (2018) Personal communication.
2010 to 2014: England and Wales, Office for National Statistics; Scotland, General Register Office for Scotland; Northern Ireland, Northern Ireland Statistics and Research Agency.
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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, 1969 to 2019

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	United Kingdom			England			Wales			Scotland			Northern Ireland		
Year	Men	Women	Both	Men	Women	Both	Men	Women	Both	Men	Women	Both	Men	Women	Both
1969	-	-	-	305	105	194	371	129	237	385	154	255	-	-	-
1971	-	-	-	305	101	193	353	122	227	383	144	248	-	-	-
1973	-	-	-	312	107	200	365	124	233	402	152	262	-	-	-
1975	320	111	206	309	105	198	371	127	238	379	144	248	390	144	255
1977	316	110	204	305	104	196	360	122	230	372	146	247	406	153	267
1979	319	111	206	308	104	198	345	120	222	384	149	254	403	155	267
1981	304	107	197	294	101	190	324	111	208	368	148	247	388	147	256
1983	298	105	194	287	99	186	332	111	212	365	146	244	366	138	241
1985	290	105	190	280	99	183	319	113	208	353	147	239	347	135	231
1987	271	100	179	261	95	172	288	108	192	338	140	229	319	124	212
1989	247	95	165	238	89	158	266	101	178	314	133	214	298	115	198
1991	230	88	154	222	84	149	246	90	163	284	120	194	265	102	176
1993	217	81	145	208	77	139	237	89	158	274	112	186	254	102	171
1994	216	81	144	208	77	139	233	89	157	273	109	184	255	105	173
1995	208	78	139	201	73	133	229	82	151	259	106	176	255	104	173
1996	199	74	133	192	70	127	216	80	145	249	97	167	230	90	154
1997	185	69	124	178	65	119	203	76	136	231	94	157	224	82	147
1998	176	66	118	170	63	114	188	69	125	222	89	150	203	75	134
1999	166	60	110	159	57	106	188	64	123	212	83	142	195	71	128
2000	153	55	102	148	52	98	167	63	112	191	75	129	168	63	111
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	53	63	22	42
2015	64	20	42	61	19	40	76	25	50	83	27	54	67	22	44
2016	62	20	40	60	18	39	73	24	48	79	29	53	57	20	38
2017	62	19	40	59	18	38	72	21	46	79	27	52	62	19	40
2018	62	18	39	60	17	38	71	23	46	76	25	50	56	18	36
2019	58	18	38	57	17	36	70	21	45	75	26	50	56	19	37

Notes: ICD-10 codes I20-I25. Directly age-standardised using the 2013 European Standard Population.

Source: 1969 to 2009: England and Wales, Office for National Statistics (2016) Personal communication.
Scotland, General Register Office (2018) Personal communication.
Northern Ireland, Statistics and Research Agency (2018) Personal communication.
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https://www.nrscotland.gov.uk/statistics-and-data/statistics/statistics-by-theme/vital-events
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Table 1.7 Age-standardised death rates per 100,000 from stroke (CBVD), all ages, United Kingdom and England, Wales, Scotland, Northern Ireland, 1969 to 2019

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	United Kingdom			England			Wales			Scotland			Northern Ireland		
Year	Men	Women	Both	Men	Women	Both	Men	Women	Both	Men	Women	Both	Men	Women	Both
1969	318	290	301	307	278	290	344	330	337	400	373	384	334	327	330
1971	308	277	290	297	268	280	322	299	310	383	346	360	386	345	360
1973	304	273	285	290	263	274	333	290	306	392	346	365	413	333	360
1975	279	255	266	268	245	256	298	274	286	364	323	339	328	313	320
1977	253	236	244	243	227	235	267	272	273	317	282	295	344	314	325
1979	254	232	242	243	223	232	274	256	266	335	298	313	341	277	300
1981	229	210	219	220	201	210	245	233	241	308	273	287	240	253	252
1983	213	199	206	206	191	199	228	214	221	272	255	264	235	238	238
1985	224	204	213	219	199	208	228	220	225	272	240	253	223	189	201
1987	203	189	196	198	184	191	209	199	205	255	229	240	202	192	198
1989	195	179	187	190	174	181	194	187	192	253	228	239	198	184	191
1991	192	174	182	189	170	179	194	175	184	232	211	221	172	172	174
1993	167	156	162	160	149	154	161	156	161	241	222	231	201	165	180
1994	157	148	153	151	141	147	153	152	154	222	208	215	175	171	174
1995	156	147	152	151	141	146	165	153	159	218	206	213	174	162	168
1996	155	145	150	150	141	146	158	153	157	206	183	194	163	157	161
1997	149	139	144	144	135	140	153	142	148	203	179	189	171	150	159
1998	145	137	142	141	133	137	147	142	146	190	177	185	153	148	153
1999	139	134	137	134	130	133	141	136	140	188	174	182	165	157	161
2000	129	124	128	124	120	123	130	127	131	188	170	179	134	139	141
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	71	69	71	80	74	77	96	98	99	77	81	81
2013	72	68	70	69	65	67	82	71	76	99	93	97	82	76	79
2014	70	64	67	67	61	64	79	71	75	88	86	87	76	66	71
2015	69	65	67	67	63	65	68	70	70	92	88	90	76	64	69
2016	65	59	62	63	57	60	66	66	67	89	82	85	74	63	67
2017	61	57	59	60	55	57	60	58	60	81	77	79	71	61	66
2018	60	55	57	57	53	55	66	60	63	80	73	76	65	58	61
2019	57	51	53	56	49	51	60	55	57	73	73	73	60	50	54

Notes: ICD-10 codes I60-I69. Directly age-standardised using the 2013 European Standard Population.

Source: 1969 to 2009: England and Wales, Office for National Statistics (2016) Personal communication.
Scotland, General Register Office (2018) Personal communication.
Northern Ireland, Statistics and Research Agency (2018) Personal communication.
2010 to 2014: England and Wales, Office for National Statistics; Scotland, General Register Office for Scotland; Northern Ireland, Northern Ireland Statistics and Research Agency.
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https://www.nrscotland.gov.uk/statistics-and-data/statistics/statistics-by-theme/vital-events
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Table 1.8 Age-standardised death rates per 100,000 from stroke (CBVD), under 75, United Kingdom and England, Wales, Scotland, Northern Ireland, 1969 to 2019

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	United Kingdom			England			Wales			Scotland			Northern Ireland		
Year	Men	Women	Both	Men	Women	Both	Men	Women	Both	Men	Women	Both	Men	Women	Both
1969	97	76	85	93	72	81	109	89	98	120	104	111	103	93	97
1971	92	72	81	88	68	76	108	80	92	122	97	107	102	97	100
1973	90	68	78	85	64	73	100	79	88	122	91	104	107	90	98
1975	84	63	72	79	59	68	98	69	81	118	87	100	99	81	89
1977	76	59	67	73	56	64	85	71	77	95	78	85	95	74	83
1979	76	57	66	72	54	62	85	64	73	102	79	89	96	74	84
1981	67	51	58	64	48	55	76	57	65	92	73	81	76	59	67
1983	62	48	54	60	45	52	68	53	60	83	66	73	72	69	71
1985	61	46	52	58	44	50	65	51	58	81	62	70	69	54	60
1987	55	42	48	53	40	46	56	45	50	73	54	62	58	43	50
1989	51	39	45	49	37	42	51	44	47	72	55	63	60	43	51
1991	49	36	42	47	34	40	53	36	44	65	48	55	48	42	45
1993	42	32	37	40	30	35	41	32	36	62	47	54	46	33	39
1994	44	34	38	42	32	36	41	36	39	63	51	57	53	41	46
1995	43	33	38	41	32	36	44	34	38	64	46	54	46	38	42
1996	43	32	37	41	31	36	43	34	39	57	39	47	44	33	38
1997	41	31	36	39	30	34	45	33	39	54	40	47	47	33	39
1998	40	30	34	38	29	33	43	32	37	53	38	44	45	31	37
1999	37	29	33	36	28	32	40	29	35	47	37	42	43	32	37
2000	34	26	30	32	25	29	38	25	31	49	36	42	33	26	29
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	15	21	16	19	17	14	15
2017	15	11	13	14	11	12	17	12	14	19	14	16	15	12	14
2018	15	11	13	14	11	13	16	12	14	19	15	17	14	13	13
2019	15	11	13	14	10	12	15	12	14	18	15	16	14	9	11

Notes: ICD-10 codes I60-I69. Directly age-standardised using the 2013 European Standard Population.

Source:

1969 to 2009: England and Wales, Office for National Statistics (2016) Personal communication.
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Table 1.9 Number of deaths from all heart and circulatory diseases, all ages, United Kingdom and England, Wales, Scotland, Northern Ireland, 1961 to 2019

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	United Kingdom			England			Wales			Scotland			Northern Ireland		
Year	Men	Women	Both	Men	Women	Both	Men	Women	Both	Men	Women	Both	Men	Women	Both
1961	153,695	169,222	322,917	124,754	139,438	264,192	8,798	8,851	17,649	16,642	17,905	34,547	3,501	3,028	6,529
1971	163,756	171,921	335,677	133,300	140,967	274,267	9,428	9,336	18,764	16,452	17,277	33,729	4,576	4,341	8,917
1981	160,681	166,555	327,236	131,342	136,151	267,493	8,863	9,011	17,874	16,033	17,181	33,214	4,443	4,212	8,655
1991	142,348	154,750	297,098	117,459	127,315	244,774	7,849	8,326	16,175	13,630	15,536	29,166	3,410	3,573	6,983
1994	131,298	143,676	274,974	108,068	117,492	225,560	7,258	8,007	15,265	12,660	14,478	27,138	3,312	3,699	7,011
1995	131,525	143,637	275,162	108,239	117,268	225,507	7,457	8,197	15,654	12,507	14,572	27,079	3,322	3,600	6,922
1996	129,740	141,757	271,497	106,669	116,023	222,692	7,324	8,127	15,451	12,593	14,129	26,722	3,154	3,478	6,632
1997	124,768	136,549	261,317	102,490	111,612	214,102	7,093	7,704	14,797	12,018	13,892	25,910	3,167	3,341	6,508
1998	122,217	134,492	256,709	100,593	110,256	210,849	6,836	7,506	14,342	11,719	13,433	25,152	3,069	3,297	6,366
1999	118,886	129,739	248,625	97,407	105,731	203,138	6,844	7,437	14,281	11,606	13,181	24,787	3,029	3,390	6,419
2000	113,559	122,913	236,472	93,323	100,228	193,551	6,416	7,073	13,489	11,058	12,599	23,657	2,762	3,013	5,775
2001	114,335	125,931	240,266	94,568	103,320	197,888	6,549	7,334	13,883	10,455	12,211	22,666	2,763	3,066	5,829
2002	112,879	124,933	237,812	93,407	102,326	195,733	6,391	7,271	13,662	10,405	12,283	22,688	2,676	3,053	5,729
2003	110,085	122,635	232,720	90,696	100,991	191,687	6,446	7,039	13,485	10,379	11,721	22,100	2,564	2,884	5,448
2004	103,833	113,935	217,768	85,576	93,180	178,756	5,745	6,555	12,300	9,989	11,436	21,425	2,523	2,764	5,287
2005	100,256	109,462	209,718	82,362	89,494	171,856	5,812	6,406	12,218	9,642	10,972	20,614	2,440	2,590	5,030
2006	95,642	103,664	199,306	78,872	84,737	163,609	5,413	5,940	11,353	9,038	10,401	19,439	2,319	2,586	4,905
2007	93,828	101,279	195,107	76,788	82,751	159,539	5,410	5,935	11,345	9,279	10,080	19,359	2,351	2,513	4,864
2008	92,124	100,310	192,434	75,713	82,152	157,865	5,293	5,750	11,043	8,815	9,935	18,750	2,303	2,473	4,776
2009	88,400	94,312	182,712	72,838	77,125	149,963	5,038	5,466	10,504	8,366	9,365	17,731	2,158	2,356	4,514
2010	88,240	92,724	180,964	72,515	75,979	148,494	5,053	5,374	10,427	8,454	9,087	17,541	2,218	2,284	4,502
2011	82,512	87,347	169,859	67,542	71,478	139,020	4,758	4,870	9,628	8,147	8,885	17,032	2,065	2,114	4,179
2012	83,025	88,630	171,655	68,052	72,304	140,356	4,862	5,034	9,896	8,081	9,094	17,175	2,030	2,198	4,228
2013	84,301	86,834	171,135	68,891	70,925	139,816	4,967	4,924	9,891	8,147	8,723	16,870	2,021	2,116	4,137
2014	83,123	84,190	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	84,409	83,209	167,618	69,090	67,841	136,931	4,753	4,656	9,409	8,342	8,548	16,890	1,947	1,991	3,938
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	79,146	163,888	69,115	64,182	133,297	4,768	4,346	9,114	8,451	8,504	16,955	2,070	1,943	4,013

Notes:

For 1969 to 2003 ICD-10 codes I00-I99 only. For 2004 to 2019 ICD-10 codes I00-I99, C38.0, F01, G45, P29, Q20-Q28.

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.

Northern Ireland coded deaths differently until 1979, therefore these underestimate the rate compared to rest of the UK.

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

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

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

www.nisra.gov.uk/publications/registrar-general-annual-report-2019-cause-death

Table 1.10 Number of deaths from all heart and circulatory diseases, under 75, United Kingdom and England, Wales, Scotland, Northern Ireland, 1961 to 2019

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	United Kingdom			England			Wales			Scotland			Northern Ireland		
Year	Men	Women	Both	Men	Women	Both	Men	Women	Both	Men	Women	Both	Men	Women	Both
1961	89,005	65,477	154,482	71,889	52,676	124,565	5,305	3,711	9,016	9,840	7,852	17,692	1,971	1,238	3,209
1971	101,717	61,060	162,777	82,412	48,572	130,984	6,016	3,576	9,592	10,611	7,172	17,783	2,678	1,740	4,418
1981	95,434	52,900	148,334	77,512	42,029	119,541	5,391	2,982	8,373	9,867	6,374	16,241	2,664	1,515	4,179
1991	70,075	37,964	108,039	56,793	30,212	87,005	4,040	2,128	6,168	7,412	4,565	11,977	1,830	1,059	2,889
1994	64,153	35,105	99,258	51,918	27,860	79,778	3,655	2,050	5,705	6,862	4,173	11,035	1,718	1,022	2,740
1995	62,249	33,471	95,720	50,349	26,594	76,943	3,608	1,951	5,559	6,602	3,920	10,522	1,690	1,006	2,696
1996	59,600	31,862	91,462	48,227	25,477	73,704	3,451	1,839	5,290	6,398	3,643	10,041	1,524	903	2,427
1997	56,172	30,057	86,229	45,292	23,852	69,144	3,306	1,789	5,095	6,038	3,576	9,614	1,536	840	2,376
1998	54,116	28,825	82,941	43,716	23,069	66,785	3,088	1,620	4,708	5,866	3,370	9,236	1,446	766	2,212
1999	51,485	26,929	78,414	41,479	21,464	62,943	3,050	1,538	4,588	5,564	3,180	8,744	1,392	747	2,139
2000	48,438	24,974	73,412	39,204	19,913	59,117	2,761	1,433	4,194	5,243	2,957	8,200	1,230	671	1,901
2001	46,425	23,996	70,421	37,717	19,176	56,893	2,690	1,427	4,117	4,864	2,752	7,616	1,154	641	1,795
2002	44,723	22,940	67,663	36,254	18,247	54,501	2,610	1,349	3,959	4,699	2,712	7,411	1,160	632	1,792
2003	42,969	21,823	64,792	34,747	17,476	52,223	2,524	1,275	3,799	4,618	2,538	7,156	1,080	534	1,614
2004	40,289	20,114	60,403	32,658	15,966	48,624	2,247	1,215	3,462	4,320	2,375	6,695	1,064	558	1,622
2005	38,206	18,977	57,183	30,804	15,091	45,895	2,248	1,123	3,371	4,174	2,248	6,422	980	515	1,495
2006	35,982	17,909	53,891	29,083	14,224	43,307	2,081	1,020	3,101	3,872	2,150	6,022	946	515	1,461
2007	34,793	16,935	51,729	27,889	13,421	41,310	1,984	1,008	2,992	3,983	2,044	6,028	937	462	1,399
2008	33,510	16,388	49,898	26,959	12,989	39,948	1,907	970	2,877	3,763	1,956	5,719	881	473	1,354
2009	31,995	15,282	47,277	25,863	12,046	37,909	1,871	943	2,814	3,414	1,837	5,251	847	456	1,303
2010	31,763	14,921	46,684	25,680	11,888	37,568	1,771	868	2,639	3,415	1,726	5,141	897	439	1,336
2011	29,389	13,965	43,354	23,622	11,097	34,719	1,707	871	2,578	3,236	1,642	4,878	824	355	1,179
2012	28,482	13,942	42,424	22,860	11,113	33,973	1,650	839	2,489	3,194	1,659	4,853	778	331	1,109
2013	29,082	13,758	42,840	23,248	10,871	34,119	1,704	814	2,518	3,167	1,626	4,793	757	364	1,121
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	14,160	43,374	23,438	11,204	34,642	1,697	848	2,545	3,151	1,622	4,773	726	383	1,109
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	13,919	43,251	23,547	11,036	34,583	1,746	820	2,566	3,063	1,604	4,667	735	359	1,094

Notes:

For 1969 to 2003 ICD-10 codes I00-I99 only. For 2004 to 2019 ICD-10 codes I00-I99, C38.0, F01, G45, P29, Q20-Q28.

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.

Northern Ireland coded deaths differently until 1979, therefore these underestimate the rate compared to rest of the UK.

Source:

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

2013 onwards: NOMIS Mortality Statistics

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Scotland: National Records of Scotland Mortality Statistics

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

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

www.nisra.gov.uk/publications/registrar-general-annual-report-2019-cause-death

Table 1.11 Number of deaths from coronary heart disease (CHD), all ages, United Kingdom and England, Wales, Scotland, Northern Ireland, 1961 to 2019

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	United Kingdom			England			Wales			Scotland			Northern Ireland		
Year	Men	Women	Both	Men	Women	Both	Men	Women	Both	Men	Women	Both	Men	Women	Both
1961	-	-	-	72,570	64,355	136,925	5,070	4,012	9,082	10,312	8,897	19,209	-	-	-
1971	-	-	-	77,521	56,244	133,765	5,515	3,844	9,359	10,027	7,629	17,656	-	-	-
1981	101,870	76,122	177,992	83,139	61,889	145,028	5,586	4,016	9,602	10,272	8,181	18,453	2,873	2,036	4,909
1991	92,502	78,089	170,591	75,954	64,006	139,960	5,242	4,300	9,542	8,963	7,903	16,866	2,343	1,880	4,223
1994	83,418	70,544	153,962	68,364	57,597	125,961	4,716	3,883	8,599	8,133	7,101	15,234	2,205	1,963	4,168
1995	82,469	69,126	151,595	67,639	56,245	123,884	4,734	3,914	8,648	7,921	7,056	14,977	2,175	1,911	4,086
1996	80,388	67,336	147,724	65,888	54,902	120,790	4,564	3,867	8,431	7,887	6,760	14,647	2,049	1,807	3,856
1997	76,489	64,069	140,558	62,668	52,180	114,848	4,403	3,531	7,934	7,354	6,658	14,012	2,064	1,700	3,764
1998	74,542	62,610	137,152	61,253	51,211	112,464	4,174	3,442	7,616	7,119	6,299	13,418	1,996	1,658	3,654
1999	71,773	59,188	130,961	58,496	47,965	106,461	4,219	3,376	7,595	7,122	6,215	13,337	1,936	1,632	3,568
2000	68,310	55,727	124,037	56,024	45,137	101,161	3,937	3,293	7,230	6,578	5,834	12,412	1,771	1,463	3,234
2001	66,400	54,491	120,891	54,567	44,144	98,711	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	49,472	38,498	87,970	40,338	31,194	71,532	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

Notes: ICD-10 codes I20-I25.
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-2019-cause-death

Table 1.12 Number of deaths from coronary heart disease (CHD), under 75,United Kingdom and England, Wales, Scotland, Northern Ireland, 1961 to 2019

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	United Kingdom			England			Wales			Scotland			Northern Ireland		
Year	Men	Women	Both	Men	Women	Both	Men	Women	Both	Men	Women	Both	Men	Women	Both
1961	-	-	-	44,417	22,457	66,874	3,274	1,573	4,847	6,588	3,691	10,279	-	-	-
1971	-	-	-	53,972	22,192	76,164	3,916	1,669	5,585	7,187	3,504	10,691	-	-	-
1981	67,349	28,843	96,192	54,580	22,733	77,313	3,733	1,567	5,300	7,095	3,633	10,728	1,941	910	2,851
1991	50,530	22,736	73,266	40,813	18,024	58,837	2,951	1,282	4,233	5,391	2,795	8,186	1,375	635	2,010
1994	45,027	19,784	64,811	36,263	15,596	51,859	2,627	1,184	3,811	4,895	2,385	7,280	1,242	619	1,861
1995	43,097	18,551	61,648	34,669	14,598	49,267	2,560	1,058	3,618	4,626	2,282	6,908	1,242	613	1,855
1996	40,927	17,327	58,254	32,957	13,691	46,648	2,406	1,029	3,435	4,434	2,078	6,512	1,130	529	1,659
1997	38,105	16,090	54,195	30,620	12,643	43,263	2,243	958	3,201	4,135	2,006	6,141	1,107	483	1,590
1998	36,540	15,304	51,844	29,425	12,096	41,521	2,088	864	2,952	4,000	1,901	5,901	1,027	443	1,470
1999	34,528	13,982	48,510	27,605	11,012	38,617	2,086	789	2,875	3,844	1,761	5,605	993	420	1,413
2000	32,215	12,781	44,996	25,990	10,034	36,024	1,858	772	2,630	3,502	1,602	5,104	865	373	1,238
2001	30,525	12,135	42,660	24,669	9,556	34,225	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	20,705	7,369	28,074	16,592	5,774	22,366	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

Notes: ICD-10 codes I20-I25.

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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Scotland: National Records of Scotland Mortality Statistics

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

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www.nisra.gov.uk/publications/registrar-general-annual-report-2019-cause-death

Table 1.13 Number of deaths from stroke (CBVD), all ages, United Kingdom and England, Wales, Scotland, Northern Ireland, 1961 to 2019

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	United Kingdom			England			Wales			Scotland			Northern Ireland		
Year	Men	Women	Both	Men	Women	Both	Men	Women	Both	Men	Women	Both	Men	Women	Both
1961	-	-	-	29,090	43,168	72,258	2,070	2,695	4,765	4,048	5,791	9,839	-	-	-
1971	-	-	-	29,005	45,837	74,842	2,044	3,041	5,085	3,946	6,052	9,998	-	-	-
1981	-	-	-	24,812	40,139	64,951	1,723	2,823	4,546	3,524	5,666	9,190	-	-	-
1991	-	-	-	24,224	40,120	64,344	1,585	2,595	4,180	2,936	5,032	7,968	-	-	-
1994	25,019	42,914	67,933	20,327	34,548	54,875	1,290	2,346	3,636	2,775	4,909	7,684	627	1,111	1,738
1995	25,460	43,512	68,972	20,631	35,076	55,707	1,419	2,409	3,828	2,783	4,965	7,748	627	1,062	1,689
1996	25,469	43,238	68,707	20,823	35,267	56,090	1,401	2,436	3,837	2,649	4,479	7,128	596	1,056	1,652
1997	24,897	41,503	66,400	20,274	33,871	54,145	1,380	2,270	3,650	2,609	4,350	6,959	634	1,012	1,646
1998	24,491	41,316	65,807	19,994	33,676	53,670	1,352	2,284	3,636	2,553	4,347	6,900	592	1,009	1,601
1999	23,719	40,510	64,229	19,314	32,958	52,272	1,292	2,201	3,493	2,494	4,291	6,785	619	1,060	1,679
2000	22,550	38,116	60,666	18,233	30,826	49,059	1,246	2,089	3,335	2,544	4,259	6,803	527	942	1,469
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

Notes: ICD-10 codes I60-I69 - 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.

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

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

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

www.nisra.gov.uk/publications/registrar-general-annual-report-2019-cause-death

Table 1.14 Number of deaths from stroke (CBVD), under 75, United Kingdom and England, Wales, Scotland, Northern Ireland, 1961 to 2019

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	United Kingdom			England			Wales			Scotland			Northern Ireland		
Year	Men	Women	Both	Men	Women	Both	Men	Women	Both	Men	Women	Both	Men	Women	Both
1961	-	-	-	14,898	16,791	31,689	1,115	1,152	2,267	2,035	2,600	4,635	-	-	-
1971	-	-	-	14,788	14,777	29,565	1,143	1,086	2,229	2,163	2,338	4,501	-	-	-
1981	-	-	-	11,708	10,895	22,603	861	808	1,669	1,756	1,790	3,546	-	-	-
1991	-	-	-	8,503	7,328	15,831	633	513	1,146	1,206	1,117	2,323	-	-	-
1994	9,137	8,334	17,471	7,285	6,488	13,773	468	477	945	1,128	1,127	2,255	256	242	498
1995	8,986	7,992	16,978	7,148	6,316	13,464	488	445	933	1,126	1,003	2,129	224	228	452
1996	8,740	7,624	16,364	7,042	6,148	13,190	485	441	926	999	834	1,833	214	201	415
1997	8,414	7,249	15,663	6,712	5,787	12,499	506	414	920	964	855	1,819	232	193	425
1998	8,153	7,017	15,170	6,513	5,626	12,139	477	403	880	937	804	1,741	226	184	410
1999	7,701	6,741	14,442	6,191	5,393	11,584	447	367	814	847	789	1,636	216	192	408
2000	7,142	6,117	13,259	5,686	4,875	10,561	420	311	731	871	772	1,643	165	159	324
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

Notes: ICD-10 codes I60-I69 - 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.

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
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
www.nisra.gov.uk/statistics/registrar-general-annual-report/registrar-general-historical-reports
www.nisra.gov.uk/publications/registrar-general-annual-report-2019-cause-death

Table 1.15 Excess winter mortality for cardiovascular disease (CVD), by gender and age, England and Wales, 2007/08 - 2019/20

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Men	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 (P)
0-64													
Excess winter deaths	520	600	380	640	280	490	180	400	510	380	870	370	400
EWM Index (%)	11.9	14.5	9.1	16.6	7.7	13.6	4.9	11.6	14	10.4	23.4	10.2	11
65-74													
Excess winter deaths	670	930	780	500	600	580	230	800	640	550	1,050	560	700
EWM Index (%)	13.6	19.8	16.9	11.1	14.4	13.5	5.3	19	14.9	12.7	24.3	13.2	15.4
75-84													
Excess winter deaths	1,400	2,380	1,610	1,280	1,030	1,320	680	1,400	790	1,250	1,850	880	1,100
EWM Index (%)	15.1	27.7	19.6	16.5	14.0	17.7	9.4	19.8	11	18.4	27.7	13.1	16.2
85+													
Excess winter deaths	1,450	1,890	1,610	1,040	1,390	1,490	1,030	1,800	1,100	1,550	2,210	950	1,200
EWM Index (%)	20.6	26.6	22.5	14.7	20.6	21.0	15.1	25.9	15.6	22.1	31.7	13.6	17.1
All Men													
Excess winter deaths	4,040	5,790	4,370	3,460	3,310	3,870	2,100	4,500	3,040	3,730	5,960	2,760	3,400
EWM Index (%)	15.8	23.7	18.1	14.9	15.1	17.3	9.6	20.3	13.7	17.1	27.6	12.8	15.5

Women	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 (P)
0-64													
Excess winter deaths	260	240	240	210	220	300	160	200	260	110	330	180	200
EWM Index (%)	15.3	14.7	15.1	14.0	15.6	20.4	11.6	16.3	17.4	7.1	22.7	11.8	12.8
65-74													
Excess winter deaths	390	380	400	320	230	300	240	500	270	360	540	210	300
EWM Index (%)	14.3	14.5	16.4	13.4	10.0	13.5	11.2	22.5	11.8	16.1	24.7	9.6	15.5
75-84													
Excess winter deaths	1,500	1,960	1,540	1,010	1,060	1,140	760	1,300	810	910	1,550	570	800
EWM Index (%)	17.2	24.4	20.4	14.2	16.2	17.7	12.7	22.2	14.4	16.4	29.3	11	15.8
85+													
Excess winter deaths	2,560	4,110	3,070	1,850	2,360	2,660	1,420	3,300	1,420	2,390	2,940	1,400	1,300
EWM Index (%)	17.9	29.8	22.5	14.4	19.5	21.4	12.2	28.4	12.3	21.9	27.6	13.5	12.1
All Women													
Excess winter deaths	4,700	6,680	5,240	3,390	3,860	4,390	2,580	5,400	2,760	3,760	5,360	2,350	2,700
EWM Index (%)	17.1	25.7	20.8	14.2	17.3	19.5	12.2	25.3	13.2	18.6	27.4	12.3	13.5

ALL	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 (P)
0-64													
Excess winter deaths	770	840	620	850	500	780	340	600	770	490	1,190	540	600
EWM Index (%)	12.8	14.6	10.8	15.9	9.9	15.6	6.8	13	15	9.4	23.2	10.6	11.5
65-74													
Excess winter deaths	1,070	1,300	1,170	810	830	880	470	1,300	910	910	1,580	780	1,000
EWM Index (%)	13.9	17.9	16.7	11.9	12.9	13.5	7.3	20.2	13.8	13.8	24.4	12	15.5
75-84													
Excess winter deaths	2,900	4,330	3,150	2,300	2,090	2,450	1,430	2,800	1,600	2,160	3,390	1,450	1,900
EWM Index (%)	16.1	26.1	20.0	15.4	15.0	17.7	10.9	20.9	12.5	17.5	28.4	12.2	16
85+													
Excess winter deaths	4,010	6,000	4,670	2,890	3,750	4,140	2,450	5,200	2,520	3,940	5,150	2,340	2,500
EWM Index (%)	18.8	28.8	22.5	14.5	19.9	21.2	13.3	27.4	13.6	22	29.2	13.5	14.1
All ages													
Excess winter deaths	8,740	12,470	9,610	6,850	7,170	8,260	4,680	9,900	5,800	7,500	11,320	5,120	6,000
EWM Index (%)	16.5	24.7	19.5	14.6	16.2	18.4	10.9	22.7	13.5	17.8	27.5	12.5	14.5

Notes: Excess winter mortality calculation: winter deaths-average non-winter deaths.
Excess winter mortality index calculation: (excess winter mortality / average non-winter deaths)*100
Please note that the figures for 2019/20 are provisional and mortality data is rounded to the nearest 100.
As a result, some totals for persons and all ages will not be equal to the sum of their parts.
ICD-10 codes for CVD I00-I99.

Source: Office for National Statistics (2020). Personal communication.

Table 1.16 Excess winter mortality for CVD and CHD by gender and age, England 2010/2011 to 2019/20

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Cardiovascular disease (ICD-10 I00-I99)		2010/11		2011/12		2012/13		2013/14		2014/15		2015/16		2016/17		2017/18		2018/19		2019/20 (P)	
		Excess winter mortality	Excess winter mortality index	Excess winter mortality	Excess winter mortality index	Excess winter mortality	Excess winter mortality index	Excess winter mortality	Excess winter mortality index	Excess winter mortality	Excess winter mortality index	Excess winter mortality	Excess winter mortality index	Excess winter mortality	Excess winter mortality index	Excess winter mortality	Excess winter mortality index	Excess winter mortality	Excess winter mortality index	Excess winter mortality	Excess winter mortality index
	0-64	570	15.9	270	8	450	13.7	140	4.3	340	10	440	13	380	11.3	800	23.4	340	10	400	10.9
	65-74	480	11.8	570	14.6	550	13.8	180	4.6	700	18	610	15.3	560	14.2	990	25.2	540	13.7	600	15.7
	75-84	1,200	16.6	1,000	14.6	1,220	17.6	650	9.7	1,350	20	720	10.9	1,210	19.3	1,690	27.3	840	13.5	900	15.1
	85+	990	14.9	1,300	20.5	1,350	20.4	960	15.1	1,790	26.9	1,060	16	1,440	21.8	2,050	31.3	930	14.2	1,200	17.1
Men	**All ages**	**3,240**	**15**	**3,130**	**15.3**	**3,570**	**17.2**	**1,930**	**9.5**	**4,180**	**20.2**	**2,830**	**13.7**	**3,590**	**17.8**	**5,530**	**27.5**	**2,650**	**13.2**	**3,100**	**15.2**
	0-64	190	13.8	210	15.9	280	21.3	130	9.8	200	14.8	230	17	90	6.3	310	23.1	170	12.5	200	12.1
	65-74	300	14	220	10.7	260	12.5	240	11.9	450	21.9	220	10.4	330	16.3	500	25.1	220	10.7	300	14.8
	75-84	930	14	970	15.7	1,090	18.2	700	12.7	1,250	22.6	750	14.3	870	16.9	1,450	29.5	570	11.9	800	15.8
	85+	1,700	14.1	2,210	19.5	2,500	21.5	1,340	12.2	3,300	30.2	1,270	11.7	2,360	23.1	2,750	27.5	1,360	14.1	1,200	12.4
Women	**All ages**	**3,120**	**14**	**3,600**	**17.3**	**4,130**	**19.7**	**2,400**	**12.2**	**5,200**	**26.2**	**2,480**	**12.7**	**3,650**	**19.4**	**5,020**	**27.5**	**2,320**	**13.0**	**2,500**	**13.5**
	0-64	760	15.3	470	10.2	740	15.8	270	5.8	540	11.4	670	14.2	470	9.8	1,110	23.3	510	10.7	600	11.3
	65-74	790	12.5	790	13.3	810	13.4	420	7	1,150	19.4	830	13.6	900	14.9	1,500	25.1	760	12.7	900	15.4
	75-84	2,130	15.3	1,960	15.1	2,310	17.9	1,350	11	2,610	21.2	1,480	12.4	2,080	18.2	3,140	28.2	1,410	12.8	1,700	15.4
	85+	2,680	14.4	3,510	19.9	3,860	21.1	2,290	13.3	5,090	28.9	2,330	13.4	3,800	22.6	4,810	29	2,290	14.2	2,400	14.3
All	**All ages**	**6,360**	**14.5**	**6,730**	**16.3**	**7,710**	**18.4**	**4,330**	**10.8**	**9,380**	**23.1**	**5,300**	**13.2**	**7,240**	**18.6**	**10,550**	**27.5**	**4,970**		**5,600**	**14.4**

Coronary heart disease (ICD-10 I20-I25)		2010/11		2011/12		2012/13		2013/14		2014/15		2015/16		2016/17		2017/18		2018/19		2019/20 (P)	
		Excess winter mortality	Excess winter mortality index	Excess winter mortality	Excess winter mortality index	Excess winter mortality	Excess winter mortality index	Excess winter mortality	Excess winter mortality index	Excess winter mortality	Excess winter mortality index	Excess winter mortality	Excess winter mortality index	Excess winter mortality	Excess winter mortality index	Excess winter mortality	Excess winter mortality index	Excess winter mortality	Excess winter mortality index	Excess winter mortality	Excess winter mortality index
	0-64	310	13.8	230	11.4	270	13.3	60	3.1	240	11.6	230	11.6	230	11.7	440	21.6	200	10.4	200	10.5
	65-74	310	12.8	400	17.4	280	11.7	90	3.7	450	19.6	400	16.9	330	13.9	580	24.8	280	11.7	400	15.2
	75-84	790	20.9	560	15.4	700	18.9	380	10.7	750	21.6	330	9.7	750	23.9	850	27.4	550	17.7	400	14.1
	85+	480	15.6	720	24.7	620	20.2	440	15.2	790	26.9	450	15.3	760	26.5	840	30.2	380	13.9	500	16.8
Men	**All ages**	**1,890**	**16.4**	**1,910**	**17.6**	**1,870**	**16.7**	**970**	**8.9**	**2,230**	**20.7**	**1,410**	**13.2**	**2,070**	**20**	**2,720**	**26.4**	**1,410**	**13.9**	**1,500**	**14.3**
	0-64	80	15.3	70	13.3	160	30.6	20	3.1	100	19.1	100	19.4	40	7.2	120	25	60	11.3	-	:
	65-74	130	13.8	130	14.7	200	22.7	140	16.6	250	30.5	80	8.8	210	25	280	34.8	70	8.4	100	17.3
	75-84	430	16.3	420	17.3	430	18.1	180	8.2	480	22.7	290	14.6	360	19.2	520	29	190	11	300	18.8
	85+	670	16.4	840	21.2	880	22.3	510	13.9	1,050	29.5	500	14.5	850	27.3	830	28	440	15.8	400	15.3
Women	**All ages**	**1,320**	**16**	**1,460**	**18.7**	**1,680**	**21.6**	**850**	**11.7**	**1,880**	**26.8**	**970**	**14.2**	**1,450**	**22.9**	**1,760**	**28.9**	**760**	**12.9**	**900**	**15.7**
	0-64	400	14.1	300	11.8	430	16.8	80	3.1	340	13.2	340	13.3	270	10.8	570	22.2	260	10.6	300	9.6
	65-74	450	13.1	530	16.6	490	14.7	230	7.1	700	22.5	480	14.7	540	16.8	860	27.4	350	10.9	500	15.7
	75-84	1,210	19	980	16.2	1,130	18.6	550	9.7	1,230	22	620	11.5	1,110	22.1	1,360	28	740	15.3	800	15.7
	85+	1,150	16.1	1,560	22.7	1,500	21.4	950	14.4	1,840	28.3	940	14.9	1,610	26.9	1,680	29	830	14.9	900	16.1
All	**All ages**	**3,200**	**16.2**	**3,370**	**18.1**	**3,550**	**18.7**	**1,810**	**10.1**	**4,110**	**23.1**	**2,370**	**13.6**	**3,520**	**21.1**	**4,470**	**27.3**	**2,170**	**13.5**	**2,400**	**14.8**

Notes: Excess winter mortality calculation: winter deaths-average non-winter deaths.

Excess winter mortality index calculation: (excess winter mortality / average non-winter deaths)*100

The figures for individual age-groups may not sum up to the 'all ages' total due to rounding of figures.

Please note that the figures for 2019/20 are preliminary

ICD-10 codes for CVD I00-I99.

ICD-10 codes for CHD I20-I25.

Excess winter deaths (EWD) figures for the latest winter are rounded to the nearest 100, figures for all other winters are final and are rounded to the nearest 10. As a result, some totals for persons and all ages will not always be equal to the sum of their parts.

Source: Office for National Statistics (2020). Personal communication.

Table 1.17 Excess winter mortality for CVD and CHD by gender and age, Wales 2010/2011 to 2019/20

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Cardiovascular disease (ICD-10 I00-I99)		2010/11		2011/12		2012/13		2013/14		2014/15		2015/16		2016/17		2017/18		2018/19		2019/20 (P)	
		Excess winter mortality	Excess winter mortality index	Excess winter mortality	Excess winter mortality index	Excess winter mortality	Excess winter mortality index	Excess winter mortality	Excess winter mortality index	Excess winter mortality	Excess winter mortality index	Excess winter mortality	Excess winter mortality index	Excess winter mortality	Excess winter mortality index	Excess winter mortality	Excess winter mortality index	Excess winter mortality	Excess winter mortality index	Excess winter mortality	Excess winter mortality index
	0-64	70	32	10	4	40	16	20	9	40	17.3	60	27.1	40	19.1	70	27.8	30	11.8	-	:
	65-74	30	9	50	17	50	17	50	17	100	34.5	30	10	10	3.9	60	16.9	30	10.1	-	:
	75-84	90	17	30	5	100	20	40	8	110	24	80	18.2	50	10.6	160	36.3	50	11.1	100	32.1
	85+	50	12	100	23	130	29	60	15	70	16.6	50	12.2	120	29.8	160	39.4	20	5	100	17.6
Men	**All ages**	**240**	**16**	**180**	**13**	**320**	**21**	**170**	**12**	**330**	**22.8**	**230**	**16.1**	**220**	**15.8**	**440**	**31.3**	**130**	**9.1**	**300**	**19.3**
	0-64	20	17	10	12	20	16	40	49	10	5.9	30	27.9	20	17.8	20	21.6	10	5.1	-	:
	65-74	20	11	0	2	40	29	10	7	60	39.8	50	34	20	15.1	40	25.3	- 10	:	-	:
	75-84	80	18	90	23	50	12	60	16	90	23.5	60	16.2	50	12.5	100	29.2	10	3.2	100	14.7
	85+	150	19	150	19	150	19	90	12	110	14.4	140	19.9	30	5.1	180	28.8	30	5.2	-	:
Women	**All ages**	**270**	**18**	**250**	**18**	**270**	**18**	**200**	**15**	**270**	**19**	**280**	**21.1**	**120**	**9.2**	**340**	**27.9**	**40**	**3.4**	**200**	**12.4**
	0-64	90	27	20	7	50	16	60	20	50	13.8	90	27.4	60	18.8	90	26	30	9.6	-	:
	65-74	50	10	50	11	100	21	60	14	160	36.3	80	18.2	40	7.5	90	19.5	20	5.1	100	15.6
	75-84	170	17	120	13	150	16	100	11	210	23.8	140	17.3	100	11.4	260	33.3	60	7.6	200	24.2
	85+	210	17	240	21	280	23	150	13	190	15.2	190	17	150	14	340	32.9	50	5.1	100	11.8
All	**All ages**	**510**	**17**	**440**	**15**	**590**	**20**	**370**	**13**	**600**	**20.9**	**510**	**18.6**	**340**	**12.7**	**780**	**29.7**	**170**	**6.4**	**400**	**16.1**

Coronary heart disease (ICD-10 I20-I25)		2010/11		2011/12		2012/13		2013/14		2014/15		2015/16		2016/17		2017/18		2018/19		2019/20	
		Excess winter mortality	Excess winter mortality index	Excess winter mortality	Excess winter mortality index	Excess winter mortality	Excess winter mortality index	Excess winter mortality	Excess winter mortality index	Excess winter mortality	Excess winter mortality index	Excess winter mortality	Excess winter mortality index	Excess winter mortality	Excess winter mortality index	Excess winter mortality	Excess winter mortality index	Excess winter mortality	Excess winter mortality index	Excess winter mortality	Excess winter mortality index
	0-64	50	36	0	0	30	25	30	27	40	30	30	23	30	18.8	50	37.1	10	9.4	-	:
	65-74	30	20	40	24	50	24	20	15	70	40.8	30	17.5	4	2.1	48	25.1	10	5.9	-	:
	75-84	60	21	20	7	70	25	20	8	50	17.8	50	20.1	40	16.6	60	23	20	6.3	100	24.6
	85+	30	14	30	16	70	31	30	14	10	7.2	50	28.9	90	54.7	60	31.1	20	11.6	-	:
Men	**All ages**	**170**	**21**	**100**	**12**	**210**	**26**	**110**	**14**	**170**	**22.3**	**160**	**22.1**	**160**	**21.6**	**210**	**28.1**	**60**	**8.0**	**100**	**14.4**
	0-64	20	57	10	15	1	6	30	76	4	9.5	20	34	1	2.6	5	9.7	10	27.5	-	:
	65-74	10	14	0	1	20	27	-10	.	40	63	20	27.4	20	35.6	20	32.8	- 10	:	-	:
	75-84	40	19	30	21	20	13	30	17	50	33.3	30	20.3	20	15.9	20	13.3	-	:	-	:
	85+	40	12	50	19	100	38	10	2	20	8.2	20	9	20	10.7	50	26.9	-	:	-	:
Women	**All ages**	**100**	**17**	**90**	**17**	**150**	**26**	**50**	**10**	**110**	**21.8**	**80**	**17.1**	**70**	**14.9**	**100**	**21.9**	**10**	**2.3**	**100**	**13.7**
	0-64	70	40	10	4	40	21	60	37	40	25	50	25.6	30	15.3	60	30.3	20	13.5	-	:
	65-74	40	18	40	17	70	25	20	7	110	46.5	50	20.2	30	10.1	70	27.1	-	:	100	23.6
	75-84	90	20	50	12	90	20	50	11	100	23.4	70	20.2	60	16.3	70	19.6	20	4.6	100	20.5
	85+	70	13	90	18	170	35	30	7	40	7.8	70	17.4	110	30	110	28.9	30	6.8	-	:
All	**All ages**	**280**	**20**	**190**	**14**	**360**	**26**	**160**	**12**	**280**	**22.1**	**250**	**20.1**	**230**	**19.1**	**310**	**25.8**	**70**	**6**	**200**	**14.1**

Notes:

Excess winter mortality calculation: winter deaths-average non-winter deaths.

Excess winter mortality index calculation: (excess winter mortality / average non-winter deaths)*100

Low numbers of CVD deaths of each age-group in the winter months for Wales may mean that there are large percentage variations in EWM between each year, which could be due to natural fluctuations rather than meaningful increases or decreases between each year.

The figures for individual age-groups may not sum up to the 'all ages' total due to rounding of figures.

The EWM index cannot be calculated where the number of EWD's is equal to zero or where there are a negative number of excess winter deaths.

Please note that the figures for 2019/20 are preliminary

ICD-10 codes for CVD I00-I99.

ICD-10 codes for CHD I20-I25.

Excess winter deaths (EWD) figures for the latest winter are rounded to the nearest 100, figures for all other winters are final and are rounded to the nearest 10. As a result, some totals for persons and all ages will not always be equal to the sum of their parts.

Source: Office for National Statistics (2020). Personal communication.

Table 1.18 Excess winter mortality for CVD and CHD by gender and age, Scotland 2009/2010 to 2019/20

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Cardiovascular disease (ICD-10 I00-I99)		2009/10		2010/11		2011/12		2012/13		2013/14		2014/15		2015/16		2016/17		2017/18		2018/19		2019/20 (P)	
		Excess winter mortality	Excess winter mortality index	Excess winter mortality	Excess winter mortality index	Excess winter mortality	Excess winter mortality index	Excess winter mortality	Excess winter mortality index	Excess winter mortality	Excess winter mortality index	Excess winter mortality	Excess winter mortality index	Excess winter mortality	Excess winter mortality index	Excess winter mortality	Excess winter mortality index	Excess winter mortality	Excess winter mortality index	Excess winter mortality	Excess winter mortality index	Excess winter mortality	Excess winter mortality index
	0-64	120	24	40	7	30	7	-10	.	10	2	40	8	60	14	100	22	30	7	50	13	-	0
	65-74	90	17	110	20	10	2	20	3	60	11	110	20	110	21	60	10	90	15	30	7	90	18
	75-84	180	21	160	19	110	14	100	12	80	9	190	24	120	15	110	14	220	27	130	17	100	12
	85+	130	22	80	13	80	13	150	24	90	14	200	30	80	11	110	18	210	32	70	10	170	26
Men	**All ages**	**520**	**21**	**380**	**15**	**240**	**10**	**260**	**10**	**230**	**10**	**530**	**22**	**370**	**15**	**380**	**16**	**530**	**22**	**280**	**12**	**370**	**15**
	0-64	20	10	20	11	10	5	0	.	20	13	-	.	50	28	40	21	30	15	20	13	20	8
	65-74	100	30	30	8	20	6	30	8	10	3	50	16	50	17	30	10	40	14	40	15	50	16
	75-84	190	22	180	21	80	9	80	9	90	11	190	25	110	16	140	19	200	27	70	11	-	.
	85+	190	15	190	15	0	-	130	10	170	14	350	29	180	16	250	21	290	26	180	17	110	9
Women	**All ages**	**510**	**19**	**420**	**16**	**110**	**4**	**240**	**9**	**290**	**12**	**590**	**24**	**400**	**17**	**450**	**19**	**540**	**24**	**320**	**14**	**170**	**7**
	0-64	140	20	60	8	40	6	-10	.	30	5	40	6	120	18	150	22	60	9	80	13	20	3
	65-74	190	22	130	15	30	4	40	5	60	8	150	18	160	19	90	10	140	15	80	10	140	17
	75-84	370	21	340	20	190	12	180	11	160	10	390	25	230	16	250	16	400	27	200	14	100	6
	85+	330	18	270	14	80	4	280	15	250	14	540	29	260	14	360	20	490	28	240	14	280	15
All	**All ages**	**1,030**	**20**	**800**	**15**	**350**	**7**	**490**	**9**	**510**	**11**	**1,120**	**23**	**760**	**16**	**830**	**17**	**1,090**	**23**	**600**	**13**	**540**	**11**

Coronary heart disease (ICD-10 I20-I25)		2009/10		2010/11		2011/12		2012/13		2013/14		2014/15		2015/16		2016/17		2017/18		2018/19		2019/20	
		Excess winter mortality	Excess winter mortality index	Excess winter mortality	Excess winter mortality index	Excess winter mortality	Excess winter mortality index	Excess winter mortality	Excess winter mortality index	Excess winter mortality	Excess winter mortality index	Excess winter mortality	Excess winter mortality index	Excess winter mortality	Excess winter mortality index	Excess winter mortality	Excess winter mortality index	Excess winter mortality	Excess winter mortality index	Excess winter mortality	Excess winter mortality index	Excess winter mortality	Excess winter mortality index
	0-64	70	23	0	.	30	9	0	-	10	3	10	3	20	8	60	22	-	1	30	12	- 10	.
	65-74	80	24	50	16	0	1	30	9	50	18	80	23	60	21	20	5	20	5	30	10	50	15
	75-84	120	26	80	17	40	8	30	7	30	7	120	29	30	7	30	6	120	30	70	18	50	13
	85+	60	19	30	10	20	6	60	21	20	9	70	23	30	10	50	20	80	28	30	10	60	20
Men	**All ages**	**330**	**23**	**160**	**11**	**80**	**6**	**120**	**9**	**110**	**9**	**270**	**21**	**150**	**11**	**160**	**12**	**210**	**16**	**160**	**13**	**150**	**11**
	0-64	20	20	30	39	10	7	0	3	10	17	10	12	30	46	20	20	10	14	-	0	-	.
	65-74	50	28	-10	.	30	23	0	-	10	4	10	10	10	5	20	17	10	10	10	6	30	25
	75-84	80	19	70	19	50	14	30	9	60	19	80	24	60	25	60	21	80	28	40	15	-	.
	85+	80	17	20	4	10	1	30	7	30	8	100	24	90	22	80	22	80	23	90	28	30	9
Women	**All ages**	**220**	**20**	**110**	**10**	**100**	**9**	**60**	**6**	**110**	**12**	**200**	**21**	**190**	**22**	**170**	**21**	**180**	**21**	**140**	**17**	**60**	**8**
	0-64	90	22	30	7	40	9	0	1	20	6	20	5	60	16	80	22	20	4	30	9	-	.
	65-74	130	25	40	8	40	7	30	6	60	14	90	19	70	16	40	9	40	8	40	9	80	17
	75-84	190	22	150	18	90	11	60	8	90	12	190	26	90	14	90	12	190	29	110	17	50	7
	85+	140	18	50	6	20	3	90	12	60	8	170	23	120	17	130	21	160	26	120	19	90	14
All	**All ages**	**550**	**22**	**270**	**11**	**180**	**7**	**190**	**8**	**220**	**10**	**460**	**21**	**340**	**16**	**330**	**16**	**410**	**19**	**300**	**15**	**220**	**10**

Notes: Excess winter mortality calculation: winter deaths-average non-winter deaths.

Excess winter mortality index calculation: (excess winter mortality / average non-winter deaths)*100

Low numbers of CVD deaths of each age-group in the winter months for Scotland may mean that there are large percentage variations in EWM between each year, which could be due to natural fluctuations rather than meaningful increases or decreases between each year.

The figures for individual age-groups may not sum up to the 'all ages' total due to rounding of figures.

The EWM index cannot be calculated where the number of EWD's is equal to zero or where there are a negative number of excess winter deaths.

ICD-10 codes for CVD I00-I99.

ICD-10 codes for CHD I20-I25.

Source: National Records of Scotland, Personal Communication (2020)

Table 1.19 Excess winter mortality for CVD and CHD by gender and age, Northern Ireland 2011/12 to 2019/20

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Cardiovascular disease (ICD-10 I00-I99)		2011/12		2012/13		2013/14		2014/15		2015/16		2016/17		2017/18		2018/19		2019/20	
		Excess winter mortality	Excess winter mortality index	Excess winter mortality	Excess winter mortality index	Excess winter mortality	Excess winter mortality index	Excess winter mortality	Excess winter mortality index	Excess winter mortality	Excess winter mortality index	Excess winter mortality	Excess winter mortality index	Excess winter mortality	Excess winter mortality index	Excess winter mortality	Excess winter mortality index	Excess winter mortality	Excess winter mortality index
	0-64	11	9.9	-9	-7.2	14	12.4	-14	-10.9	2	1.5	10	8.8	33	31.7	23	22.8	-4	-3.1
	65-74	17	12.9	18	14.0	4	3.0	15	12.2	14	11.2	50	42.9	30	25.3	28	25.9	8	6.5
	75-84	23	11.1	51	25.4	32	16.3	57	30.0	12	6.1	19	10.0	50	24.0	19	10.6	1	0.5
	85+	5	2.5	63	38.2	48	29.6	30	17.5	32	18.8	50	29.9	45	24.2	22	12.9	34	17.6
Men	**All ages**	**55**	**8.8**	**123**	**20.1**	**96**	**16.5**	**89**	**14.6**	**59**	**10.1**	**128**	**22.0**	**157**	**25.6**	**92**	**16.5**	**39**	**6.1**
	0-64	-5	-11.9	-2	-4.3	8	17.4	5	10.9	9	18.4	10	24.4	11	24.7	7	15.2	3	5.0
	65-74	10	15.2	4	5.7	3	3.9	26	40.2	33	53.2	18	28.5	-1	-0.7	-13	-19.4	-5	-7.1
	75-84	14	6.7	12	5.7	57	35.0	38	21.6	-21	-11.8	29	17.1	74	56.5	36	25.4	39	24.5
	85+	80	24.1	33	9.2	20	6.5	71	22.6	53	18.2	62	20.3	125	44.3	13	4.7	46	15.4
Women	**All ages**	**98**	**15.2**	**46**	**6.8**	**88**	**15.0**	**139**	**23.3**	**75**	**12.9**	**118**	**20.5**	**209**	**39.5**	**43**	**8.1**	**83**	**14.3**
	0-64	6	3.9	-11	-6.4	22	13.9	-9	-5.0	11	6.9	20	12.9	44	29.7	30	20.4	-1	-0.6
	65-74	26	13.7	22	11.1	6	3.3	41	21.7	47	25.1	67	37.9	29	15.3	15	8.6	3	1.3
	75-84	37	8.9	63	15.5	89	24.8	95	26.0	-9	-2.5	47	13.4	124	36.6	55	17.1	40	10.8
	85+	84	16.6	95	18.4	68	14.3	101	20.8	85	18.4	112	23.6	170	36.3	35	7.9	80	16.3
ALL	**All ages**	**153**	**12.1**	**169**	**13.2**	**184**	**15.8**	**228**	**18.9**	**134**	**11.5**	**246**	**21.2**	**366**	**32.0**	**135**	**12.4**	**121**	**10.0**

Coronary heart disease (ICD-10 I20-I25)		2011/12		2012/13		2013/14		2014/15		2015/16		2016/17		2017/18		2018/19		2019/20	
		Excess winter mortality	Excess winter mortality index	Excess winter mortality	Excess winter mortality index	Excess winter mortality	Excess winter mortality index	Excess winter mortality	Excess winter mortality index	Excess winter mortality	Excess winter mortality index	Excess winter mortality	Excess winter mortality index	Excess winter mortality	Excess winter mortality index	Excess winter mortality	Excess winter mortality index	Excess winter mortality	Excess winter mortality index
	0-64	7	8.7	-5	-5.4	-1	-1.3	-9	-11.3	0	0.0	3	4.2	17	25.4	7	9.9	-7	-9.7
	65-74	1	0.6	7	7.6	-1	-0.7	4	5.1	6	7.9	33	43.6	24	39.5	17	27.9	-4	-4.8
	75-84	22	18.9	36	31.3	30	28.8	18	16.7	6	6.0	6	5.7	20	18.3	12	13.6	-12	-10.6
	85+	-11	-11.5	37	46.5	32	44.7	20	23.4	14	16.6	14	18.9	19	23.8	6	8.3	2	2.3
Men	**All ages**	**18**	**4.9**	**75**	**20.6**	**60**	**18.4**	**33**	**9.3**	**25**	**8.0**	**56**	**17.1**	**79**	**25.2**	**42**	**14.5**	**-21**	**-6.0**
	0-64	-1	-5.3	-1	-5.0	4	17.1	-4	-15.6	10	50.0	-3	-15.8	1	2.9	9	50.0	-6	-25.0
	65-74	4	13.8	-2	-3.8	-1	-1.8	9	31.0	22	81.1	4	11.9	3	10.7	-4	-13.2	-5	-17.9
	75-84	-3	-2.8	15	18.1	26	35.7	7	8.8	-11	-14.9	15	23.6	29	70.7	7	14.0	26	50.0
	85+	52	50.5	-13	-9.9	2	1.3	25	22.0	18	19.4	15	14.9	53	60.9	5	6.1	6	5.4
Women	**All ages**	**53**	**21.9**	**-1**	**-0.2**	**30**	**12.8**	**37**	**15.2**	**39**	**18.6**	**30**	**14.2**	**86**	**49.3**	**17**	**10.0**	**21**	**10.0**
	0-64	6	5.9	-6	-5.3	3	2.6	-13	-12.2	10	12.0	0	0.0	18	20.7	16	18.6	-13	-13.5
	65-74	5	3.9	5	4.0	-1	-1.0	13	12.0	28	26.8	36	34.6	27	30.3	14	15.4	-9	-8.4
	75-84	19	9.4	51	25.8	55	31.6	25	13.3	-5	-3.1	21	12.2	49	32.9	19	13.8	14	8.5
	85+	45	21.7	18	7.9	33	17.7	44	22.6	32	18.1	29	16.6	72	43.1	11	7.2	8	4.0
ALL	**All ages**	**74**	**12.0**	**68**	**10.5**	**90**	**16.0**	**70**	**11.7**	**64**	**12.3**	**86**	**15.9**	**165**	**33.8**	**58**	**12.9**	**0**	**0.0**

Notes:

Excess winter mortality calculation: winter deaths-average non-winter deaths.

Table 1.11 Excess winter mortality index calculation: (excess winter mortality / average non-winter deaths)*100

Low numbers of CVD deaths of each age-group in the winter months for Northern Ireland may mean that there are large percentage variations in EWM between each year, which could be due to natural fluctuations rather than meaningful increases or decreases between each year.

ICD-10 codes for CVD I00-I99.

ICD-10 codes for CHD I20-I25.

Source: Northern Ireland Statistics Research Agency (2020). Personal communication.

Table 1.20 Number of deaths and age-standardised death rates for all heart and circulatory diseases, all ages by region and nation, United Kingdom 2017/19

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	ALL AGES								
	Age standardised heart and circulatory disease death rates per 100,000 - 3 Year Average			Total number of heart and circulatory disease deaths 2017/19			Average number of annual heart and circulatory disease deaths for 2017/19		
	Men	Women	Total	Men	Women	Total	Men	Women	Total
East Midlands	325.5	217.4	269.9	19,105	17,904	37,009	6,368	5,968	12,336
East of England	295.9	194.4	239.0	23,690	22,415	46,105	7,897	7,472	15,368
London	293.3	192.1	239.1	21,690	19,549	41,239	7,230	6,516	13,746
North East	341.7	223.6	277.2	11,233	10,277	21,510	3,744	3,426	7,170
North West	354.4	235.3	290.1	30,754	28,468	59,222	10,251	9,489	19,741
South East	283.5	191.8	234.4	33,006	33,112	66,118	11,002	11,037	22,039
South West	303.5	201.9	248.0	24,000	23,632	47,632	8,000	7,877	15,877
West Midlands	331.0	220.5	271.5	23,332	22,105	45,437	7,777	7,368	15,146
Yorkshire and the Humber	347.7	225.5	280.3	22,306	20,720	43,026	7,435	6,907	14,342
England	**315.7**	**209.5**	**256.3**	208,998	198,121	407,119	**69,705**	**66,061**	**135,766**
Wales	**349.7**	**228.9**	**283.0**	14,479	13,241	27,720	**4,830**	**4,415**	**9,245**
Scotland	**405.3**	**281.7**	**335.1**	25,466	25,733	51,199	**8,489**	**8,578**	**17,066**
Northern Ireland	**322.3**	**210.3**	**252.5**	6,196	5,882	12,078	**2,062**	**1,958**	**4,020**
UK	**324.7**	**216.5**	**264.2**	255,139	242,977	498,116	**85,086**	**81,011**	**166,097**

Notes: ICD-10 codes I00-I99, C38.0, F01, G45, P29, Q20-Q28. Directly age-standardised using the 2013 European Standard Population.

Source: England and Wales: rates calculated using NOMIS.
Scotland: Rates calculated using mortality rates provided by NRS. Personal correspondence.
Northern Ireland: rates calculated using NISRA.

Table 1.21 Number of deaths and age-standardised death rates for all heart and circulatory diseases, under 75, by region and nation, United Kingdom 2017/19

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	UNDER 75								
	Age standardised heart and circulatory disease death rates per 100,000 - 3 Year Average			Total number of premature heart and circulatory disease deaths 2017/19			Average number of annual premature heart and circulatory disease deaths for 2017/19		
	Men	Women	Total	Men	Women	Total	Men	Women	Total
East Midlands	102.7	46.8	74.4	6,648	3,155	9,803	2,216	1,052	3,268
East of England	91.1	39.0	64.5	7,478	3,406	10,884	2,493	1,135	3,628
London	100.4	42.9	71.0	8,392	3,814	12,206	2,797	1,271	4,069
North East	116.6	53.3	84.3	4,204	2,047	6,251	1,401	682	2,084
North West	121.7	56.5	88.7	11,528	5,611	17,139	3,843	1,870	5,713
South East	82.9	35.8	58.8	9,862	4,543	14,405	3,287	1,514	4,802
South West	88.5	37.8	62.6	7,054	3,218	10,272	2,351	1,073	3,424
West Midlands	110.7	49.0	79.3	8,227	3,826	12,053	2,742	1,275	4,018
Yorkshire and the Humber	113.1	52.6	82.4	8,005	3,907	11,912	2,668	1,302	3,971
England	**101.1**	**44.9**	**72.3**	71,398	33,527	104,925	**23,799**	**11,176**	**34,975**
Wales	**121.0**	**53.4**	**86.3**	5,271	2,467	7,738	**1,757**	**822**	**2,579**
Scotland	**129.3**	**61.7**	**94.2**	9,356	4,801	14,157	**3,119**	**1,600**	**4,719**
Northern Ireland	**98.7**	**45.7**	**71.4**	2,227	1,086	3,313	**742**	**362**	**1,104**
UK	**104.2**	**46.8**	**74.9**	88,252	41,881	130,133	**29,417**	**13,960**	**43,378**

Notes: ICD-10 codes I00-I99, C38.0, F01, G45, P29, Q20-Q28. Directly age-standardised using the 2013 European Standard Population.

Source: England and Wales: rates calculated using NOMIS.
Scotland: Rates calculated using mortality rates provided by NRS. Personal correspondence.
Northern Ireland: rates calculated using NISRA.

Table 1.22 Number of deaths and age-standardised death rates for coronary heart disease (CHD), all ages, by region and nation, United Kingdom 2017/19

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	ALL AGES								
	Age standardised CHD death rates per 100,000 - 3 Year Average			Total number of CHD deaths 2017/19			Average number of annual CHD deaths for 2017/19		
	Men	Women	Total	Men	Women	Total	Men	Women	Total
East Midlands	147.7	63.5	101.2	8,958	5,145	14,103	2,986	1,715	4,701
East of England	132.6	57.7	91.1	10,783	6,517	17,300	3,594	2,172	5,767
London	134.2	56.9	91.5	10,123	5,684	15,807	3,374	1,895	5,269
North East	161.6	71.2	111.2	5,487	3,237	8,724	1,829	1,079	2,908
North West	168.3	76.9	117.9	15,128	9,129	24,257	5,043	3,043	8,086
South East	121.2	51.2	82.4	14,350	8,639	22,989	4,783	2,880	7,663
South West	136.0	56.9	91.8	10,944	6,497	17,441	3,648	2,166	5,814
West Midlands	156.8	68.4	107.9	11,356	6,704	18,060	3,785	2,235	6,020
Yorkshire and the Humber	171.9	76.4	118.5	11,364	6,937	18,301	3,788	2,312	6,100
England	**145.1**	**63.1**	**99.0**	98,493	58,489	156,982	**32,831**	**19,496**	**52,327**
Wales	**166.9**	**72.3**	**114.1**	7,113	4,106	11,219	**2,371**	**1,369**	**3,740**
Scotland	**183.0**	**86.8**	**127.9**	12,032	7,870	19,902	**4,011**	**2,623**	**6,634**
Northern Ireland	**149.8**	**65.8**	**101.8**	3,004	1,822	4,826	**1,001**	**607**	**1,609**
UK	**149.4**	**65.7**	**102.2**	120,642	72,287	192,929	**40,214**	**24,096**	**64,310**

Notes: ICD-10 codes I20-I25. Directly age-standardised using the 2013 European Standard Population.

Source: England and Wales: rates calculated using NOMIS.
Scotland: Rates calculated using mortality rates provided by NRS. Personal correspondence.
Northern Ireland: rates calculated using NISRA.

Table 1.23 Number of deaths and age-standardised death rates for coronary heart disease (CHD), under 75, by region and nation, United Kingdom 2017/19

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	UNDER 75								
	Age standardised CHD death rates per 100,000 - 3 Year Average			Total number of premature CHD deaths 2017/19			Average number of annual premature CHD deaths for 2017/19		
	Men	Women	Total	Men	Women	Total	Men	Women	Total
East Midlands	59.1	17.2	37.9	3,826	1,157	4,983	1,275	386	1,661
East of England	50.2	14.6	32.0	4,119	1,270	5,389	1,373	423	1,796
London	56.7	16.5	36.0	4,656	1,428	6,084	1,552	476	2,028
North East	69.4	22.1	45.2	2,508	851	3,359	836	284	1,120
North West	73.7	24.6	48.7	6,980	2,436	9,416	2,327	812	3,139
South East	45.4	11.9	28.2	5,391	1,505	6,896	1,797	502	2,299
South West	50.5	13.5	31.6	4,033	1,155	5,188	1,344	385	1,729
West Midlands	66.3	20.4	43.0	4,915	1,593	6,508	1,638	531	2,169
Yorkshire and the Humber	68.1	21.7	44.6	4,818	1,617	6,435	1,606	539	2,145
England	**58.6**	**17.5**	**37.5**	41,246	13,012	54,258	**13,749**	**4,337**	**18,086**
Wales	**71.3**	**21.6**	**45.8**	3,110	1,001	4,111	**1,037**	**334**	**1,370**
Scotland	**76.7**	**25.9**	**50.4**	5,565	2,025	7,590	**1,855**	**675**	**2,530**
Northern Ireland	**58.1**	**18.5**	**37.8**	1,312	439	1,751	**437**	**146**	**584**
UK	**60.6**	**18.5**	**39.0**	51,233	16,477	67,710	**17,078**	**5,492**	**22,570**

Notes: ICD-10 codes I20-I25. Directly age-standardised using the 2013 European Standard Population.

Source: England and Wales: rates calculated using NOMIS.
Scotland: Rates calculated using mortality rates provided by NRS. Personal correspondence.
Northern Ireland: rates calculated using NISRA.

Table 1.24 Number of deaths and age-standardised death rates for stroke (CBVD), all ages, by region and nation, United Kingdom 2017/19

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	ALL AGES								
	Age standardised stroke (CBVD) death rates per 100,000 - 3 Year Average			Total number of stroke (CBVD) deaths 2017/19			Average number of annual stroke (CBVD) deaths for 2017/19		
	Men	Women	Total	Men	Women	Total	Men	Women	Total
East Midlands	56.5	51.7	54.1	3,242	4,243	7,485	1,081	1,414	2,495
East of England	54.8	47.8	51.3	4,330	5,515	9,845	1,443	1,838	3,282
London	52.9	43.3	47.9	3,839	4,379	8,218	1,280	1,460	2,739
North East	68.1	61.4	64.9	2,196	2,825	5,021	732	942	1,674
North West	63.0	55.4	59.2	5,338	6,713	12,051	1,779	2,238	4,017
South East	52.7	49.1	51.3	6,078	8,451	14,529	2,026	2,817	4,843
South West	58.1	55.4	57.2	4,527	6,543	11,070	1,509	2,181	3,690
West Midlands	56.4	52.8	55.1	3,907	5,310	9,217	1,302	1,770	3,072
Yorkshire and the Humber	64.0	57.0	60.2	3,964	5,251	9,215	1,321	1,750	3,072
England	**57.5**	**52.0**	**54.5**	37,421	49,230	86,651	**12,474**	**16,410**	**28,884**
Wales	**62.0**	**58.0**	**60.2**	2,519	3,378	5,897	**840**	**1,126**	**1,966**
Scotland	**77.8**	**74.3**	**76.2**	4,708	6,796	11,504	**1,569**	**2,265**	**3,835**
Northern Ireland	**65.0**	**56.5**	**60.1**	1,198	1,575	2,773	**399**	**525**	**924**
UK	**59.5**	**54.2**	**56.7**	45,846	60,979	106,825	**15,282**	**20,326**	**35,608**

Notes: ICD-10 codes I60-I69. Directly standardised using the 2013 European Standard Population.

Source: England and Wales: rates calculated using NOMIS.
Scotland: Rates calculated using mortality rates provided by NRS. Personal correspondence.
Northern Ireland: rates calculated using NISRA.

Table 1.25 Number of deaths and age-standardised death rates for stroke (CBVD), under 75, by region and nation, United Kingdom 2017/19

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	UNDER 75								
	Age standardised stroke			Total number of premature stroke (CBVD) deaths			Average number of annual premature		
	Men	Women	Total	Men	Women	Total	Men	Women	Total
East Midlands	13.3	11.1	11.1	871	757	1,628	290	252	543
East of England	13.2	8.9	11.0	1,098	790	1,888	366	263	629
London	15.0	10.0	12.4	1,267	910	2,177	422	303	726
North East	17.8	14.0	15.8	648	546	1,194	216	182	398
North West	17.3	12.9	15.0	1,654	1,294	2,948	551	431	983
South East	11.9	8.9	10.3	1,430	1,138	2,568	477	379	856
South West	12.2	8.9	10.5	990	772	1,762	330	257	587
West Midlands	14.9	10.4	12.6	1,118	813	1,931	373	271	644
Yorkshire and the Humber	15.1	12.3	13.7	1,078	925	2,003	359	308	668
England	**14.2**	**10.5**	**12.3**	**10,154**	**7,945**	**18,099**	**3,385**	**2,648**	**6,033**
Wales	**15.8**	**11.9**	**13.8**	**560**	**700**	**1,260**	**187**	**233**	**420**
Scotland	**18.3**	**14.2**	**16.2**	**1,343**	**1,121**	**2,464**	**448**	**374**	**821**
Northern Ireland	**13.8**	**11.4**	**12.5**	**312**	**273**	**585**	**104**	**91**	**195**
UK	**16.8**	**12.8**	**14.8**	**12,369**	**10,039**	**22,408**	**4,123**	**3,346**	**7,469**

Notes: ICD-10 codes I60-I69. Directly standardised using the 2013 European Standard Population.

Source: England and Wales: rates calculated using NOMIS.
Scotland: Rates calculated using mortality rates provided by NRS. Personal correspondence.
Northern Ireland: rates calculated using NISRA.

Table 1.26 Age-standardised death rates per 100,000 and number of deaths for heart and circulatory diseases (CVD), all ages by local authority, United Kingdom 2017/19

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					ALL AGES										
					Age standardised death rates from all heart and circulatory diseases per 100,000 - 3 Year Average			Total number of deaths from all heart and circulatory diseases 2017/19			Average number of annual deaths from all heart and circulatory diseases 2017/19			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	4N
E06000055	Bedford	Bedfordshire	East of England	ENG	272.2	168.5	216.4	570	486	1,056	190	162	352	201	154
E06000056	Central Bedfordshire	Bedfordshire	East of England	ENG	242.0	156.1	197.4	829	657	1,486	276	219	495	260	258
E06000032	Luton	Bedfordshire	East of England	ENG	296.9	195.1	242.4	580	487	1,067	193	162	356	106	52
E06000036	Bracknell Forest	Berkshire	South East	ENG	242.7	134.7	181.8	286	209	495	95	70	165	294	276
E06000038	Reading	Berkshire	South East	ENG	232.1	198.2	217.3	344	386	730	115	129	243	198	138
E06000039	Slough	Berkshire	South East	ENG	344.8	207.2	267.3	365	287	652	122	96	217	36	72
E06000037	West Berkshire	Berkshire	South East	ENG	226.9	134.7	175.0	437	349	786	146	116	262	299	281
E06000040	Windsor and Maidenhead	Berkshire	South East	ENG	233.6	158.5	192.1	462	444	906	154	148	302	274	296
E06000041	Wokingham	Berkshire	South East	ENG	209.0	138.6	170.3	416	388	804	139	129	268	301	306
E06000023	Bristol, City of	Bristol	South West	ENG	272.4	166.8	214.2	1,129	996	2,125	376	332	708	210	81
E06000060	Buckinghamshire	Buckinghamshire	South East	ENG	245.2	153.5	194.3	1,649	1,540	3,189	550	513	1,063	267	284
E06000042	Milton Keynes	Buckinghamshire	South East	ENG	263.0	162.4	205.9	616	528	1,144	205	176	381	237	169
E07000008	Cambridge	Cambridgeshire	East of England	ENG	250.6	163.5	205.9	301	292	593	100	97	198	238	202
E07000009	East Cambridgeshire	Cambridgeshire	East of England	ENG	270.7	178.1	217.9	309	293	602	103	98	201	193	260
E07000010	Fenland	Cambridgeshire	East of England	ENG	324.1	200.6	254.8	490	417	907	163	139	302	62	51
E07000011	Huntingdonshire	Cambridgeshire	East of England	ENG	253.5	169.3	208.7	572	519	1,091	191	173	364	225	241
E06000031	Peterborough	Cambridgeshire	East of England	ENG	334.8	213.4	266.5	671	588	1,259	224	196	420	37	53
E07000012	South Cambridgeshire	Cambridgeshire	East of England	ENG	234.5	164.9	196.4	475	481	956	158	160	319	262	292
E06000049	Cheshire East	Cheshire	North West	ENG	281.4	175.1	222.9	1,599	1,414	3,013	533	471	1,004	169	224
E06000050	Cheshire West and Chester	Cheshire	North West	ENG	280.4	181.3	226.6	1,326	1,187	2,513	442	396	838	155	180
E06000006	Halton	Cheshire	North West	ENG	337.0	194.7	257.9	483	353	836	161	118	279	54	39
E06000007	Warrington	Cheshire	North West	ENG	323.2	205.1	256.8	790	688	1,478	263	229	493	57	172
E06000052	Cornwall	Cornwall	South West	ENG	316.1	206.4	254.7	2,715	2,525	5,240	905	842	1,747	64	82
E06000053	Isles of Scilly	Cornwall	South West	ENG	-	-	-	-	-	-	-	-	-	n/a	n/a
E06000047	County Durham	County Durham	North East	ENG	310.7	219.2	261.8	2,115	1,972	4,087	705	657	1,362	44	65
E06000005	Darlington	County Durham	North East	ENG	278.5	213.3	244.0	391	425	816	130	142	272	100	102
E06000001	Hartlepool	County Durham	North East	ENG	342.5	191.4	258.5	399	310	709	133	103	236	52	25
E06000004	Stockton-on-Tees	County Durham	North East	ENG	293.8	209.7	248.7	685	652	1,337	228	217	446	88	111
E07000026	Allerdale	Cumbria	North West	ENG	308.3	207.6	252.4	464	433	897	155	144	299	72	107
E07000027	Barrow-in-Furness	Cumbria	North West	ENG	322.4	222.7	268.9	296	265	561	99	88	187	33	44
E07000028	Carlisle	Cumbria	North West	ENG	342.4	211.4	269.1	515	454	969	172	151	323	32	113
E07000029	Copeland	Cumbria	North West	ENG	359.7	219.6	280.4	352	279	631	117	93	210	17	77
E07000030	Eden	Cumbria	North West	ENG	290.1	166.4	216.9	251	210	461	84	70	154	199	166
E07000031	South Lakeland	Cumbria	North West	ENG	268.2	170.3	215.1	510	478	988	170	159	329	207	238
E07000032	Amber Valley	Derbyshire	East Midlands	ENG	297.1	178.2	230.6	515	431	946	172	144	315	136	164
E07000033	Bolsover	Derbyshire	East Midlands	ENG	341.4	228.0	277.9	328	311	639	109	104	213	21	58
E07000034	Chesterfield	Derbyshire	East Midlands	ENG	351.5	202.4	265.8	481	410	891	160	137	297	38	85
E06000015	Derby	Derbyshire	East Midlands	ENG	315.6	216.5	261.7	899	907	1,806	300	302	602	45	89
E07000035	Derbyshire Dales	Derbyshire	East Midlands	ENG	272.3	173.6	217.8	320	304	624	107	101	208	194	259
E07000036	Erewash	Derbyshire	East Midlands	ENG	282.3	193.4	233.4	430	426	856	143	142	285	132	165
E07000037	High Peak	Derbyshire	East Midlands	ENG	257.0	169.7	207.9	303	278	581	101	93	194	231	199
E07000038	North East Derbyshire	Derbyshire	East Midlands	ENG	287.7	204.2	243.3	452	403	855	151	134	285	104	174
E07000039	South Derbyshire	Derbyshire	East Midlands	ENG	301.3	176.4	230.3	348	277	625	116	92	208	137	214
E07000040	East Devon	Devon	South West	ENG	243.6	165.1	200.6	711	730	1,441	237	243	480	255	234
E07000041	Exeter	Devon	South West	ENG	284.4	154.2	206.5	375	347	722	125	116	241	235	190
E07000042	Mid Devon	Devon	South West	ENG	288.3	167.7	221.8	354	289	643	118	96	214	174	159
E07000043	North Devon	Devon	South West	ENG	308.3	205.5	249.7	475	463	938	158	154	313	82	121
E06000026	Plymouth	Devon	South West	ENG	297.1	215.6	254.8	951	940	1,891	317	313	630	63	71
E07000044	South Hams	Devon	South West	ENG	244.8	151.6	193.8	370	314	684	123	105	228	268	215
E07000045	Teignbridge	Devon	South West	ENG	281.8	163.8	215.9	618	567	1,185	206	189	395	202	183
E06000027	Torbay	Devon	South West	ENG	287.9	193.5	235.9	664	652	1,316	221	217	439	123	48
E07000046	Torridge	Devon	South West	ENG	342.6	229.4	280.2	389	360	749	130	120	250	18	67
E07000047	West Devon	Devon	South West	ENG	261.5	184.4	219.5	250	251	501	83	84	167	187	136
E06000058	Bournemouth, Christchurch and Poole	Dorset	South West	ENG	258.4	181.1	215.6	1,531	1,596	3,127	510	532	1,042	204	163
E06000059	Dorset	Dorset	South West	ENG	250.0	172.4	208.2	1,770	1,757	3,527	590	586	1,176	228	194
E06000043	Brighton and Hove	East Sussex	South East	ENG	280.8	182.7	228.7	780	738	1,518	260	246	506	147	137
E07000061	Eastbourne	East Sussex	South East	ENG	270.4	180.5	221.2	489	530	1,019	163	177	340	178	104
E07000062	Hastings	East Sussex	South East	ENG	385.0	304.4	345.7	456	560	1,016	152	187	339	1	13

Table 1.26 Age-standardised death rates per 100,000 and number of deaths for heart and circulatory diseases (CVD), all ages by local authority, United Kingdom 2017/19

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					ALL AGES										
					Age standardised death rates from all heart and circulatory diseases per 100,000 - 3 Year Average			Total number of deaths from all heart and circulatory diseases 2017/19			Average number of annual deaths from all heart and circulatory diseases 2017/19			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	4N
E07000063	Lewes	East Sussex	South East	ENG	240.7	165.7	200.9	421	472	893	140	157	298	254	191
E07000064	Rother	East Sussex	South East	ENG	305.6	229.9	263.7	607	741	1,348	202	247	449	42	132
E07000065	Wealden	East Sussex	South East	ENG	258.5	177.8	214.7	693	719	1,412	231	240	471	209	248
E07000066	Basildon	Essex	East of England	ENG	315.4	178.3	237.7	659	530	1,189	220	177	396	118	109
E07000067	Braintree	Essex	East of England	ENG	287.6	176.0	223.7	563	489	1,052	188	163	351	168	200
E07000068	Brentwood	Essex	East of England	ENG	283.5	157.6	212.6	308	265	573	103	88	191	215	279
E07000069	Castle Point	Essex	East of England	ENG	291.3	174.1	227.0	404	330	734	135	110	245	153	179
E07000070	Chelmsford	Essex	East of England	ENG	243.1	171.5	204.3	553	534	1,087	184	178	362	242	254
E07000071	Colchester	Essex	East of England	ENG	262.2	194.4	226.7	555	578	1,133	185	193	378	154	178
E07000072	Epping Forest	Essex	East of England	ENG	256.7	163.2	206.6	450	427	877	150	142	292	234	197
E07000073	Harlow	Essex	East of England	ENG	309.5	187.4	241.2	279	255	534	93	85	178	111	99
E07000074	Maldon	Essex	East of England	ENG	247.0	193.7	218.0	242	260	502	81	87	167	192	207
E07000075	Rochford	Essex	East of England	ENG	244.8	145.8	191.4	317	261	578	106	87	193	276	278
E06000033	Southend-on-Sea	Essex	East of England	ENG	297.6	186.5	236.5	706	666	1,372	235	222	457	122	126
E07000076	Tendring	Essex	East of England	ENG	305.5	195.4	244.7	832	749	1,581	277	250	527	99	32
E06000034	Thurrock	Essex	East of England	ENG	318.9	204.2	253.3	480	417	897	160	139	299	68	114
E07000077	Uttlesford	Essex	East of England	ENG	244.2	138.3	184.3	279	233	512	93	78	171	288	287
E07000078	Cheltenham	Gloucestershire	South West	ENG	265.3	186.8	222.7	415	431	846	138	144	282	171	233
E07000079	Cotswold	Gloucestershire	South West	ENG	242.1	161.1	198.1	356	348	704	119	116	235	259	266
E07000080	Forest of Dean	Gloucestershire	South West	ENG	287.3	179.4	225.1	360	317	677	120	106	226	164	140
E07000081	Gloucester	Gloucestershire	South West	ENG	343.7	186.7	253.3	484	382	866	161	127	289	69	135
E06000025	South Gloucestershire	Gloucestershire	South West	ENG	221.7	147.0	180.5	780	717	1,497	260	239	499	296	261
E07000082	Stroud	Gloucestershire	South West	ENG	284.7	168.2	217.7	442	386	828	147	129	276	195	272
E07000083	Tewkesbury	Gloucestershire	South West	ENG	278.3	157.8	208.5	355	302	657	118	101	219	227	255
E09000002	Barking and Dagenham	Greater London	London	ENG	313.6	194.5	245.6	457	402	859	152	134	286	97	5
E09000003	Barnet	Greater London	London	ENG	253.3	185.7	217.5	1,011	1,106	2,117	337	369	706	197	181
E09000004	Bexley	Greater London	London	ENG	279.3	167.8	215.4	755	729	1,484	252	243	495	205	187
E09000005	Brent	Greater London	London	ENG	306.8	204.0	250.9	872	748	1,620	291	249	540	76	49
E09000006	Bromley	Greater London	London	ENG	254.5	164.0	203.3	991	972	1,963	330	324	654	246	226
E09000007	Camden	Greater London	London	ENG	203.8	127.1	162.6	446	378	824	149	126	275	302	129
E09000001	City of London	Greater London	London	ENG	-	-	-	-	-	-	-	-	-	n/a	n/a
E09000008	Croydon	Greater London	London	ENG	265.7	169.7	213.0	978	840	1,818	326	280	606	213	101
E09000009	Ealing	Greater London	London	ENG	273.0	183.9	225.6	858	737	1,595	286	246	532	161	87
E09000010	Enfield	Greater London	London	ENG	304.6	212.2	255.5	927	927	1,854	309	309	618	61	59
E09000011	Greenwich	Greater London	London	ENG	291.0	173.0	225.9	624	479	1,103	208	160	368	159	60
E09000012	Hackney	Greater London	London	ENG	276.4	180.4	226.2	464	333	797	155	111	266	158	7
E09000013	Hammersmith and Fulham	Greater London	London	ENG	298.1	160.0	219.8	409	289	698	136	96	233	185	95
E09000014	Haringey	Greater London	London	ENG	305.0	219.6	259.8	581	521	1,102	194	174	367	47	37
E09000015	Harrow	Greater London	London	ENG	257.8	208.8	233.4	730	782	1,512	243	261	504	131	196
E09000016	Havering	Greater London	London	ENG	292.5	174.1	222.5	883	852	1,735	294	284	578	172	176
E09000017	Hillingdon	Greater London	London	ENG	299.1	200.1	247.6	893	761	1,654	298	254	551	91	149
E09000018	Hounslow	Greater London	London	ENG	313.1	201.6	253.4	695	571	1,266	232	190	422	66	94
E09000019	Islington	Greater London	London	ENG	280.4	192.4	234.4	430	357	787	143	119	262	127	28
E09000020	Kensington and Chelsea	Greater London	London	ENG	186.6	122.7	152.4	324	252	576	108	84	192	307	120
E09000021	Kingston upon Thames	Greater London	London	ENG	288.9	165.5	219.3	474	414	888	158	138	296	189	264
E09000022	Lambeth	Greater London	London	ENG	295.5	183.6	234.5	602	468	1,070	201	156	357	126	42
E09000023	Lewisham	Greater London	London	ENG	304.9	191.3	242.1	634	533	1,167	211	178	389	107	35
E09000024	Merton	Greater London	London	ENG	284.8	172.3	220.5	501	433	934	167	144	311	183	210
E09000025	Newham	Greater London	London	ENG	290.4	199.4	243.2	611	461	1,072	204	154	357	105	12
E09000026	Redbridge	Greater London	London	ENG	258.0	168.6	209.7	711	615	1,326	237	205	442	223	158
E09000027	Richmond upon Thames	Greater London	London	ENG	244.8	135.9	181.6	489	423	912	163	141	304	295	289
E09000028	Southwark	Greater London	London	ENG	273.8	157.6	208.5	526	402	928	175	134	309	226	43
E09000029	Sutton	Greater London	London	ENG	245.4	156.3	195.6	516	484	1,000	172	161	333	264	223
E09000030	Tower Hamlets	Greater London	London	ENG	271.2	183.7	225.8	435	326	761	145	109	254	160	27
E09000031	Waltham Forest	Greater London	London	ENG	284.4	170.8	221.7	622	481	1,103	207	160	368	176	45
E09000032	Wandsworth	Greater London	London	ENG	296.0	183.4	232.8	625	528	1,153	208	176	384	133	170
E09000033	Westminster	Greater London	London	ENG	187.2	136.2	161.3	441	371	812	147	124	271	305	131
E08000001	Bolton	Greater Manchester	North West	ENG	325.8	201.3	258.2	1,061	830	1,891	354	277	630	53	47

Table 1.26 Age-standardised death rates per 100,000 and number of deaths for heart and circulatory diseases (CVD), all ages by local authority, United Kingdom 2017/19

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					ALL AGES										
					Age standardised death rates from all heart and circulatory diseases per 100,000 - 3 Year Average			Total number of deaths from all heart and circulatory diseases 2017/19			Average number of annual deaths from all heart and circulatory diseases 2017/19			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	4N
E08000002	Bury	Greater Manchester	North West	ENG	280.1	200.5	238.5	632	604	1,236	211	201	412	116	108
E08000003	Manchester	Greater Manchester	North West	ENG	384.1	244.8	306.9	1,367	1,165	2,532	456	388	844	4	2
E08000004	Oldham	Greater Manchester	North West	ENG	331.4	224.4	274.3	830	740	1,570	277	247	523	27	29
E08000005	Rochdale	Greater Manchester	North West	ENG	340.7	223.2	277.1	812	704	1,516	271	235	505	25	17
E08000006	Salford	Greater Manchester	North West	ENG	322.2	204.6	258.9	810	672	1,482	270	224	494	51	20
E08000007	Stockport	Greater Manchester	North West	ENG	297.5	189.3	238.5	1,163	1,025	2,188	388	342	729	117	152
E08000008	Tameside	Greater Manchester	North West	ENG	355.0	249.3	299.8	917	817	1,734	306	272	578	8	23
E08000009	Trafford	Greater Manchester	North West	ENG	296.8	191.3	239.0	832	775	1,607	277	258	536	114	205
E08000010	Wigan	Greater Manchester	North West	ENG	337.1	218.2	273.9	1,329	1,054	2,383	443	351	794	28	96
E07000084	Basingstoke and Deane	Hampshire	South East	ENG	262.3	180.2	218.4	525	466	991	175	155	330	191	240
E07000085	East Hampshire	Hampshire	South East	ENG	223.2	165.9	191.9	410	457	867	137	152	289	275	277
E07000086	Eastleigh	Hampshire	South East	ENG	253.2	161.9	202.8	436	394	830	145	131	277	249	280
E07000087	Fareham	Hampshire	South East	ENG	254.1	161.5	201.6	454	417	871	151	139	290	253	290
E07000088	Gosport	Hampshire	South East	ENG	297.4	200.2	245.8	339	311	650	113	104	217	95	127
E07000089	Hart	Hampshire	South East	ENG	198.6	132.9	161.9	248	232	480	83	77	160	303	307
E07000090	Havant	Hampshire	South East	ENG	268.6	177.4	217.5	526	498	1,024	175	166	341	196	130
E07000091	New Forest	Hampshire	South East	ENG	236.7	148.0	186.8	845	813	1,658	282	271	553	283	237
E06000044	Portsmouth	Hampshire	South East	ENG	341.2	222.5	276.6	710	653	1,363	237	218	454	26	57
E07000092	Rushmoor	Hampshire	South East	ENG	253.5	182.4	214.8	236	230	466	79	77	155	208	193
E06000045	Southampton	Hampshire	South East	ENG	289.5	193.2	237.5	655	634	1,289	218	211	430	119	55
E07000093	Test Valley	Hampshire	South East	ENG	259.7	170.4	209.7	445	431	876	148	144	292	222	256
E07000094	Winchester	Hampshire	South East	ENG	235.6	157.3	192.9	424	425	849	141	142	283	272	285
E06000019	Herefordshire, County of	Herefordshire	West Midlands	ENG	300.5	208.6	249.5	902	877	1,779	301	292	593	83	134
E07000095	Broxbourne	Hertfordshire	East of England	ENG	282.5	184.7	228.5	320	302	622	107	101	207	148	151
E07000096	Dacorum	Hertfordshire	East of England	ENG	234.0	160.5	193.1	421	434	855	140	145	285	271	236
E07000242	East Hertfordshire	Hertfordshire	East of England	ENG	242.7	142.8	187.6	436	362	798	145	121	266	282	299
E07000098	Hertsmere	Hertfordshire	East of England	ENG	273.8	157.8	207.9	354	317	671	118	106	224	230	220
E07000099	North Hertfordshire	Hertfordshire	East of England	ENG	274.2	170.6	216.6	469	433	902	156	144	301	200	263
E07000240	St Albans	Hertfordshire	East of England	ENG	217.3	149.3	180.0	386	383	769	129	128	256	297	298
E07000243	Stevenage	Hertfordshire	East of England	ENG	291.8	182.4	231.1	264	249	513	88	83	171	135	115
E07000102	Three Rivers	Hertfordshire	East of England	ENG	268.0	160.8	207.3	311	282	593	104	94	198	233	283
E07000103	Watford	Hertfordshire	East of England	ENG	296.2	191.0	235.8	258	245	503	86	82	168	124	192
E07000241	Welwyn Hatfield	Hertfordshire	East of England	ENG	264.0	167.5	211.0	353	338	691	118	113	230	219	211
E06000046	Isle of Wight	Isle of Wight	South East	ENG	364.1	281.1	321.9	893	1,040	1,933	298	347	644	3	79
E07000105	Ashford	Kent	South East	ENG	258.7	176.4	213.8	411	397	808	137	132	269	212	150
E07000106	Canterbury	Kent	South East	ENG	275.3	181.0	224.9	594	621	1,215	198	207	405	167	182
E07000107	Dartford	Kent	South East	ENG	277.1	187.5	227.8	311	275	586	104	92	195	150	143
E07000108	Dover	Kent	South East	ENG	267.3	183.2	222.8	472	437	909	157	146	303	170	105
E07000112	Folkestone and Hythe (Shepway)	Kent	South East	ENG	280.1	179.5	225.2	495	461	956	165	154	319	162	83
E07000109	Gravesham	Kent	South East	ENG	285.6	180.7	228.7	362	303	665	121	101	222	146	117
E07000110	Maidstone	Kent	South East	ENG	258.9	164.3	206.2	534	492	1,026	178	164	342	236	185
E06000035	Medway	Kent	South East	ENG	284.7	184.5	228.1	790	697	1,487	263	232	496	149	97
E07000111	Sevenoaks	Kent	South East	ENG	246.1	160.4	199.5	419	398	817	140	133	272	256	247
E07000113	Swale	Kent	South East	ENG	274.1	184.7	224.9	481	438	919	160	146	306	166	69
E07000114	Thanet	Kent	South East	ENG	322.8	184.0	246.8	672	573	1,245	224	191	415	93	34
E07000115	Tonbridge and Malling	Kent	South East	ENG	272.8	157.6	207.7	433	346	779	144	115	260	232	232
E07000116	Tunbridge Wells	Kent	South East	ENG	228.0	167.9	197.0	362	396	758	121	132	253	261	267
E06000008	Blackburn with Darwen	Lancashire	North West	ENG	340.2	232.2	283.7	488	414	902	163	138	301	15	14
E06000009	Blackpool	Lancashire	North West	ENG	369.8	247.8	304.2	697	632	1,329	232	211	443	5	1
E07000117	Burnley	Lancashire	North West	ENG	310.1	209.1	251.3	319	299	618	106	100	206	73	11
E07000118	Chorley	Lancashire	North West	ENG	322.4	219.9	267.8	457	406	863	152	135	288	35	189
E07000119	Fylde	Lancashire	North West	ENG	301.3	199.8	243.9	414	418	832	138	139	277	101	195
E07000120	Hyndburn	Lancashire	North West	ENG	354.2	226.0	285.2	335	282	617	112	94	206	13	18
E07000121	Lancaster	Lancashire	North West	ENG	298.9	189.1	237.3	554	492	1,046	185	164	349	120	110
E07000122	Pendle	Lancashire	North West	ENG	353.8	214.1	278.1	391	303	694	130	101	231	19	36
E07000123	Preston	Lancashire	North West	ENG	336.3	223.8	277.4	486	419	905	162	140	302	24	46
E07000124	Ribble Valley	Lancashire	North West	ENG	284.3	172.9	226.2	266	227	493	89	76	164	157	274
E07000125	Rossendale	Lancashire	North West	ENG	321.1	236.0	273.7	262	258	520	87	86	173	29	90

Table 1.26 Age-standardised death rates per 100,000 and number of deaths for heart and circulatory diseases (CVD), all ages by local authority, United Kingdom 2017/19

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					ALL AGES										
					Age standardised death rates from all heart and circulatory diseases per 100,000 - 3 Year Average			Total number of deaths from all heart and circulatory diseases 2017/19			Average number of annual deaths from all heart and circulatory diseases 2017/19			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	4N
E07000126	South Ribble	Lancashire	North West	ENG	295.0	178.4	230.2	437	357	794	146	119	265	138	206
E07000127	West Lancashire	Lancashire	North West	ENG	304.8	214.0	255.8	484	470	954	161	157	318	60	175
E07000128	Wyre	Lancashire	North West	ENG	317.0	191.9	248.3	620	526	1,146	207	175	382	89	145
E07000129	Blaby	Leicestershire	East Midlands	ENG	250.8	144.7	188.5	313	269	582	104	90	194	280	273
E07000130	Charnwood	Leicestershire	East Midlands	ENG	260.8	173.6	212.6	561	514	1,075	187	171	358	214	239
E07000131	Harborough	Leicestershire	East Midlands	ENG	237.4	148.8	186.6	300	271	571	100	90	190	285	300
E07000132	Hinckley and Bosworth	Leicestershire	East Midlands	ENG	284.3	172.9	220.5	422	362	784	141	121	261	182	228
E06000016	Leicester	Leicestershire	East Midlands	ENG	355.3	216.0	277.9	1,040	868	1,908	347	289	636	20	22
E07000133	Melton	Leicestershire	East Midlands	ENG	277.3	159.7	210.8	203	157	360	68	52	120	221	242
E07000134	North West Leicestershire	Leicestershire	East Midlands	ENG	281.5	197.8	234.3	348	340	688	116	113	229	128	212
E07000135	Oadby and Wigston	Leicestershire	East Midlands	ENG	247.4	151.4	192.8	211	192	403	70	64	134	273	243
E07000136	Boston	Lincolnshire	East Midlands	ENG	362.4	217.0	282.2	333	281	614	111	94	205	16	84
E07000137	East Lindsey	Lincolnshire	East Midlands	ENG	320.5	215.6	264.4	850	701	1,551	283	234	517	40	30
E07000138	Lincoln	Lincolnshire	East Midlands	ENG	327.5	256.1	290.7	328	377	705	109	126	235	11	68
E06000012	North East Lincolnshire	Lincolnshire	Yorkshire & The Humber	ENG	349.6	207.4	271.2	741	614	1,355	247	205	452	30	66
E07000139	North Kesteven	Lincolnshire	East Midlands	ENG	302.3	204.8	249.4	524	463	987	175	154	329	84	262
E06000013	North Lincolnshire	Lincolnshire	Yorkshire & The Humber	ENG	313.9	194.8	245.5	692	622	1,314	231	207	438	98	118
E07000140	South Holland	Lincolnshire	East Midlands	ENG	316.6	170.0	237.1	481	340	821	160	113	274	121	141
E07000141	South Kesteven	Lincolnshire	East Midlands	ENG	288.9	183.5	229.4	580	528	1,108	193	176	369	145	230
E07000142	West Lindsey	Lincolnshire	East Midlands	ENG	314.9	210.7	256.1	439	386	825	146	129	275	59	144
E08000011	Knowsley	Merseyside	North West	ENG	325.2	222.7	268.2	547	521	1,068	182	174	356	34	3
E08000012	Liverpool	Merseyside	North West	ENG	337.3	203.4	263.9	1,665	1,307	2,972	555	436	991	41	4
E08000014	Sefton	Merseyside	North West	ENG	288.0	171.9	222.0	1,184	1,074	2,258	395	358	753	173	88
E08000013	St. Helens	Merseyside	North West	ENG	327.5	212.0	261.9	747	640	1,387	249	213	462	43	40
E08000015	Wirral	Merseyside	North West	ENG	284.4	170.5	220.3	1,271	1,111	2,382	424	370	794	184	76
E07000143	Breckland	Norfolk	East of England	ENG	279.6	184.0	225.2	619	583	1,202	206	194	401	163	124
E07000144	Broadland	Norfolk	East of England	ENG	267.5	165.3	210.9	578	524	1,102	193	175	367	220	251
E07000145	Great Yarmouth	Norfolk	East of England	ENG	334.8	184.8	250.6	516	391	907	172	130	302	78	24
E07000146	King's Lynn and West Norfolk	Norfolk	East of England	ENG	267.7	204.2	235.1	676	693	1,369	225	231	456	125	78
E07000147	North Norfolk	Norfolk	East of England	ENG	259.8	170.9	209.7	576	554	1,130	192	185	377	224	93
E07000148	Norwich	Norfolk	East of England	ENG	303.7	204.3	251.3	447	442	889	149	147	296	74	61
E07000149	South Norfolk	Norfolk	East of England	ENG	263.7	169.1	211.4	562	510	1,072	187	170	357	218	221
E06000061	North Northamptonshire	Northamptonshire	East Midlands	ENG	275.4	173.8	218.8	1,124	937	2,061	375	312	687	190	142
E06000062	West Northamptonshire	Northamptonshire	East Midlands	ENG	264.8	181.7	220.7	1,217	1,106	2,323	406	369	774	181	222
E06000057	Northumberland	Northumberland	North East	ENG	278.4	182.3	226.3	1,382	1,195	2,577	461	398	859	156	128
E07000170	Ashfield	Nottinghamshire	East Midlands	ENG	308.3	201.4	250.6	479	400	879	160	133	293	77	63
E07000171	Bassetlaw	Nottinghamshire	East Midlands	ENG	298.9	194.2	241.6	487	418	905	162	139	302	109	106
E07000172	Broxtowe	Nottinghamshire	East Midlands	ENG	294.7	195.6	239.9	457	411	868	152	137	289	113	219
E07000173	Gedling	Nottinghamshire	East Midlands	ENG	296.7	210.8	249.0	447	447	894	149	149	298	85	204
E07000174	Mansfield	Nottinghamshire	East Midlands	ENG	320.0	197.8	252.5	430	361	791	143	120	264	71	56
E07000175	Newark and Sherwood	Nottinghamshire	East Midlands	ENG	271.7	193.8	230.2	456	443	899	152	148	300	139	146
E06000018	Nottingham	Nottinghamshire	East Midlands	ENG	346.9	221.1	277.6	922	817	1,739	307	272	580	22	10
E07000176	Rushcliffe	Nottinghamshire	East Midlands	ENG	267.1	161.0	208.0	428	392	820	143	131	273	229	305
E07000177	Cherwell	Oxfordshire	South East	ENG	211.2	156.3	183.8	392	386	778	131	129	259	289	216
E07000178	Oxford	Oxfordshire	South East	ENG	248.9	161.0	202.1	336	316	652	112	105	217	252	186
E07000179	South Oxfordshire	Oxfordshire	South East	ENG	221.0	149.9	182.4	439	418	857	146	139	286	293	294
E07000180	Vale of White Horse	Oxfordshire	South East	ENG	221.1	142.6	178.4	406	366	772	135	122	257	298	297
E07000181	West Oxfordshire	Oxfordshire	South East	ENG	238.8	148.0	189.9	389	337	726	130	112	242	278	293
E06000017	Rutland	Rutland	East Midlands	ENG	254.9	168.1	204.9	157	152	309	52	51	103	241	295
E06000051	Shropshire	Shropshire	West Midlands	ENG	260.1	177.0	215.7	1,307	1,238	2,545	436	413	848	203	162
E06000020	Telford and Wrekin	Shropshire	West Midlands	ENG	284.9	209.2	246.4	560	514	1,074	187	171	358	94	98
E06000022	Bath and North East Somerset	Somerset	South West	ENG	260.5	156.7	202.6	630	569	1,199	210	190	400	250	268
E07000187	Mendip	Somerset	South West	ENG	260.0	148.1	196.0	443	366	809	148	122	270	263	167
E06000024	North Somerset	Somerset	South West	ENG	256.2	147.1	194.7	839	709	1,548	280	236	516	265	217
E07000188	Sedgemoor	Somerset	South West	ENG	272.9	185.5	224.9	506	491	997	169	164	332	165	119
E07000246	Somerset West and Taunton	Somerset	South West	ENG	272.4	169.7	214.1	701	667	1,368	234	222	456	211	139
E07000189	South Somerset	Somerset	South West	ENG	263.9	159.2	205.4	711	622	1,333	237	207	444	240	160
E07000192	Cannock Chase	Staffordshire	West Midlands	ENG	312.3	204.5	253.4	377	339	716	126	113	239	67	123

Table 1.26 Age-standardised death rates per 100,000 and number of deaths for heart and circulatory diseases (CVD), all ages by local authority, United Kingdom 2017/19

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					ALL AGES										
					Age standardised death rates from all heart and circulatory diseases per 100,000 - 3 Year Average			Total number of deaths from all heart and circulatory diseases 2017/19			Average number of annual deaths from all heart and circulatory diseases 2017/19			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	4N
E07000193	East Staffordshire	Staffordshire	West Midlands	ENG	304.2	192.1	243.9	446	395	841	149	132	280	102	155
E07000194	Lichfield	Staffordshire	West Midlands	ENG	274.9	191.0	229.9	425	396	821	142	132	274	140	244
E07000195	Newcastle-under-Lyme	Staffordshire	West Midlands	ENG	286.0	166.2	219.5	486	391	877	162	130	292	186	148
E07000196	South Staffordshire	Staffordshire	West Midlands	ENG	311.0	172.2	229.4	508	414	922	169	138	307	144	231
E07000197	Stafford	Staffordshire	West Midlands	ENG	279.9	188.0	229.5	544	486	1,030	181	162	343	143	229
E07000198	Staffordshire Moorlands	Staffordshire	West Midlands	ENG	270.3	198.9	231.1	397	398	795	132	133	265	134	201
E06000021	Stoke-on-Trent	Staffordshire	West Midlands	ENG	345.8	230.6	284.6	961	839	1,800	320	280	600	14	15
E07000199	Tamworth	Staffordshire	West Midlands	ENG	267.8	213.0	242.0	237	248	485	79	83	162	108	122
E07000200	Babergh	Suffolk	East of England	ENG	236.6	154.1	191.4	369	335	704	123	112	235	277	208
E07000244	East Suffolk	Suffolk	East of England	ENG	269.7	182.3	221.7	1,184	1,151	2,335	395	384	778	175	156
E07000202	Ipswich	Suffolk	East of England	ENG	291.2	176.3	229.7	468	392	860	156	131	287	142	70
E07000203	Mid Suffolk	Suffolk	East of England	ENG	238.1	175.0	205.7	380	376	756	127	125	252	239	225
E07000245	West Suffolk	Suffolk	East of England	ENG	246.3	166.5	203.0	622	581	1,203	207	194	401	248	173
E07000207	Elmbridge	Surrey	South East	ENG	235.6	160.9	194.3	420	455	875	140	152	292	266	302
E07000208	Epsom and Ewell	Surrey	South East	ENG	204.5	115.4	155.4	204	165	369	68	55	123	306	291
E07000209	Guildford	Surrey	South East	ENG	220.4	153.6	183.4	369	384	753	123	128	251	290	288
E07000210	Mole Valley	Surrey	South East	ENG	204.7	126.0	161.8	294	258	552	98	86	184	304	286
E07000211	Reigate and Banstead	Surrey	South East	ENG	248.7	164.9	203.1	460	489	949	153	163	316	247	270
E07000212	Runnymede	Surrey	South East	ENG	245.2	167.5	203.6	255	258	513	85	86	171	245	250
E07000213	Spelthorne	Surrey	South East	ENG	257.2	181.3	215.2	329	320	649	110	107	216	206	198
E07000214	Surrey Heath	Surrey	South East	ENG	232.1	146.8	186.6	275	257	532	92	86	177	286	301
E07000215	Tandridge	Surrey	South East	ENG	230.9	149.0	188.2	296	276	572	99	92	191	281	252
E07000216	Waverley	Surrey	South East	ENG	218.6	136.9	172.5	416	419	835	139	140	278	300	304
E07000217	Woking	Surrey	South East	ENG	216.6	152.8	182.7	268	269	537	89	90	179	292	275
E08000037	Gateshead	Tyne & Wear	North East	ENG	319.3	194.4	250.2	832	686	1,518	277	229	506	80	54
E08000021	Newcastle upon Tyne	Tyne & Wear	North East	ENG	309.0	183.2	239.9	925	744	1,669	308	248	556	112	73
E08000022	North Tyneside	Tyne & Wear	North East	ENG	297.1	197.5	241.4	761	754	1,515	254	251	505	110	125
E08000023	South Tyneside	Tyne & Wear	North East	ENG	346.0	193.5	257.5	655	539	1,194	218	180	398	55	26
E08000024	Sunderland	Tyne & Wear	North East	ENG	334.0	204.2	259.3	1,091	936	2,027	364	312	676	49	33
E07000218	North Warwickshire	Warwickshire	West Midlands	ENG	285.4	181.2	227.7	254	222	476	85	74	159	151	153
E07000219	Nuneaton and Bedworth	Warwickshire	West Midlands	ENG	339.1	218.8	271.1	505	458	963	168	153	321	31	100
E07000220	Rugby	Warwickshire	West Midlands	ENG	265.9	176.7	219.4	372	340	712	124	113	237	188	218
E07000221	Stratford-on-Avon	Warwickshire	West Midlands	ENG	253.7	148.6	193.3	534	450	984	178	150	328	270	253
E07000222	Warwick	Warwickshire	West Midlands	ENG	275.0	166.1	212.3	488	438	926	163	146	309	216	257
E08000025	Birmingham	West Midlands	West Midlands	ENG	313.6	197.6	250.0	3,274	2,840	6,114	1,091	947	2,038	81	6
E08000026	Coventry	West Midlands	West Midlands	ENG	310.7	195.6	248.9	1,069	922	1,991	356	307	664	87	80
E08000027	Dudley	West Midlands	West Midlands	ENG	293.6	212.4	251.0	1,233	1,233	2,466	411	411	822	75	103
E08000028	Sandwell	West Midlands	West Midlands	ENG	373.7	221.5	289.0	1,232	1,024	2,256	411	341	752	12	8
E08000029	Solihull	West Midlands	West Midlands	ENG	249.1	150.4	193.6	740	692	1,432	247	231	477	269	203
E08000030	Walsall	West Midlands	West Midlands	ENG	345.1	222.7	277.4	1,139	1,023	2,162	380	341	721	23	31
E08000031	Wolverhampton	West Midlands	West Midlands	ENG	361.0	227.6	292.0	1,106	954	2,060	369	318	687	10	19
E07000223	Adur	West Sussex	South East	ENG	278.7	199.5	234.1	276	279	555	92	93	185	129	161
E07000224	Arun	West Sussex	South East	ENG	291.0	175.7	227.2	855	793	1,648	285	264	549	152	147
E07000225	Chichester	West Sussex	South East	ENG	247.6	166.5	202.4	537	548	1,085	179	183	362	251	209
E07000226	Crawley	West Sussex	South East	ENG	267.7	166.3	211.6	282	256	538	94	85	179	217	133
E07000227	Horsham	West Sussex	South East	ENG	233.9	141.7	182.9	495	445	940	165	148	313	291	282
E07000228	Mid Sussex	West Sussex	South East	ENG	249.3	138.6	185.8	504	428	932	168	143	311	287	303
E07000229	Worthing	West Sussex	South East	ENG	294.5	183.5	234.1	484	511	995	161	170	332	130	171
E06000030	Swindon	Wiltshire	South West	ENG	292.1	192.7	238.9	708	611	1,319	236	204	440	115	168
E06000054	Wiltshire	Wiltshire	South West	ENG	281.5	174.6	220.9	1,909	1,738	3,647	636	579	1,216	180	227
E07000234	Bromsgrove	Worcestershire	West Midlands	ENG	246.8	143.4	189.1	361	325	686	120	108	229	279	265
E07000235	Malvern Hills	Worcestershire	West Midlands	ENG	257.1	192.3	221.6	376	398	774	125	133	258	177	184
E07000236	Redditch	Worcestershire	West Midlands	ENG	242.4	163.0	198.2	232	206	438	77	69	146	258	116
E07000237	Worcester	Worcestershire	West Midlands	ENG	339.5	194.8	258.9	383	317	700	128	106	233	50	157
E07000238	Wychavon	Worcestershire	West Midlands	ENG	238.3	146.8	186.8	484	415	899	161	138	300	284	188
E07000239	Wyre Forest	Worcestershire	West Midlands	ENG	311.2	184.5	243.5	491	394	885	164	131	295	103	112
E06000011	East Riding of Yorkshire	Yorkshire (East Riding)	Yorkshire & The Humber	ENG	307.4	201.1	249.0	1,647	1,511	3,158	549	504	1,053	86	213
E06000010	Kingston upon Hull, City of	Yorkshire (East Riding)	Yorkshire & The Humber	ENG	405.4	258.5	326.3	1,051	870	1,921	350	290	640	2	9

Table 1.26 Age-standardised death rates per 100,000 and number of deaths for heart and circulatory diseases (CVD), all ages by local authority, United Kingdom 2017/19

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					Age standardised death rates from all heart and circulatory diseases per 100,000 - 3 Year Average			Total number of deaths from all heart and circulatory diseases 2017/19			Average number of annual deaths from all heart and circulatory diseases 2017/19			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	4N
E07000163	Craven	Yorkshire (North Yorkshire)	Yorkshire & The Humber	ENG	236.0	176.3	204.1	225	266	491	75	89	164	244	235
E07000164	Hambleton	Yorkshire (North Yorkshire)	Yorkshire & The Humber	ENG	247.6	164.2	199.3	353	340	693	118	113	231	257	249
E07000165	Harrogate	Yorkshire (North Yorkshire)	Yorkshire & The Humber	ENG	257.2	164.8	204.2	630	627	1,257	210	209	419	243	271
E06000002	Middlesbrough	Yorkshire (North Yorkshire)	North East	ENG	384.5	236.4	300.4	563	485	1,048	188	162	349	7	16
E06000003	Redcar and Cleveland	Yorkshire (North Yorkshire)	North East	ENG	337.8	195.2	256.7	644	509	1,153	215	170	384	58	62
E07000166	Richmondshire	Yorkshire (North Yorkshire)	Yorkshire & The Humber	ENG	280.8	177.8	221.0	197	164	361	66	55	120	179	245
E07000167	Ryedale	Yorkshire (North Yorkshire)	Yorkshire & The Humber	ENG	332.7	195.7	253.2	306	258	564	102	86	188	70	177
E07000168	Scarborough	Yorkshire (North Yorkshire)	Yorkshire & The Humber	ENG	356.9	258.5	302.5	623	679	1,302	208	226	434	6	74
E07000169	Selby	Yorkshire (North Yorkshire)	Yorkshire & The Humber	ENG	312.4	195.9	247.6	337	297	634	112	99	211	90	246
E06000014	York	Yorkshire (North Yorkshire)	Yorkshire & The Humber	ENG	291.1	182.1	229.7	722	688	1,410	241	229	470	141	269
E08000016	Barnsley	Yorkshire (South Yorkshire)	Yorkshire & The Humber	ENG	329.6	199.9	257.1	994	815	1,809	331	272	603	56	38
E08000017	Doncaster	Yorkshire (South Yorkshire)	Yorkshire & The Humber	ENG	317.6	190.4	246.9	1,208	983	2,191	403	328	730	92	41
E08000018	Rotherham	Yorkshire (South Yorkshire)	Yorkshire & The Humber	ENG	306.5	198.2	245.7	999	895	1,894	333	298	631	96	50
E08000019	Sheffield	Yorkshire (South Yorkshire)	Yorkshire & The Humber	ENG	321.7	211.0	260.6	2,042	1,841	3,883	681	614	1,294	46	92
E08000032	Bradford	Yorkshire (West Yorkshire)	Yorkshire & The Humber	ENG	371.3	230.5	293.1	1,958	1,707	3,665	653	569	1,222	9	21
E08000033	Calderdale	Yorkshire (West Yorkshire)	Yorkshire & The Humber	ENG	326.9	197.2	254.1	787	699	1,486	262	233	495	65	75
E08000034	Kirklees	Yorkshire (West Yorkshire)	Yorkshire & The Humber	ENG	318.2	214.0	259.4	1,535	1,453	2,988	512	484	996	48	86
E08000035	Leeds	Yorkshire (West Yorkshire)	Yorkshire & The Humber	ENG	333.7	211.5	265.2	2,641	2,384	5,025	880	795	1,675	39	91
E08000036	Wakefield	Yorkshire (West Yorkshire)	Yorkshire & The Humber	ENG	308.2	201.6	250.4	1,307	1,138	2,445	436	379	815	79	64
N09000001	Antrim and Newtownabbey		Northern Ireland	NI	295.1	184.5	234.3	429	394	823	143	131	274	7	10
N09000011	Ards and North Down		Northern Ireland	NI	267.5	192.0	219.2	531	533	1,064	177	178	355	11	9
N09000002	Armagh City, Banbridge and Craigavon		Northern Ireland	NI	307.9	186.0	240.6	628	536	1,164	209	179	388	6	7
N09000003	Belfast		Northern Ireland	NI	308.4	243.6	244.0	1,010	999	2,009	337	333	670	5	4
N09000004	Causeway Coast and Glens		Northern Ireland	NI	294.3	168.4	250.9	481	474	955	160	158	318	3	5
N09000005	Derry City and Strabane		Northern Ireland	NI	332.0	193.2	262.7	460	368	828	153	123	276	1	1
N09000006	Fermanagh and Omagh		Northern Ireland	NI	294.6	183.0	231.8	358	311	669	119	104	223	8	2
N09000007	Lisburn and Castlereagh		Northern Ireland	NI	269.3	204.4	223.2	424	418	842	141	139	281	10	11
N09000008	Mid and East Antrim		Northern Ireland	NI	302.8	200.8	248.7	492	472	964	164	157	321	4	8
N09000009	Mid Ulster		Northern Ireland	NI	322.1	196.1	261.3	431	391	822	144	130	274	2	6
N09000010	Newry, Mourne and Down		Northern Ireland	NI	287.7	200.8	230.4	509	444	953	170	148	318	9	3
S12000033	Aberdeen City		Scotland	SCO	367.6	256.5	304.6	843	864	1,707	281	288	569	9	26
S12000034	Aberdeenshire		Scotland	SCO	363.4	242.8	295.1	1,088	1,002	2,090	363	334	697	14	29
S12000041	Angus		Scotland	SCO	323.1	209.3	256.0	526	518	1,044	175	173	348	29	20
S12000035	Argyll and Bute		Scotland	SCO	337.5	244.0	288.9	450	450	900	150	150	300	18	15
S12000036	City of Edinburgh		Scotland	SCO	332.1	221.1	267.2	1,655	1,721	3,376	552	574	1,125	25	30
S12000005	Clackmannanshire		Scotland	SCO	355.7	255.6	300.0	222	203	425	74	68	142	11	8
S12000006	Dumfries and Galloway		Scotland	SCO	343.9	252.1	294.2	806	791	1,597	269	264	532	15	10
S12000042	Dundee City		Scotland	SCO	427.0	241.8	317.6	692	607	1,299	231	202	433	5	7
S12000008	East Ayrshire		Scotland	SCO	422.1	297.5	351.3	625	602	1,227	208	201	409	1	6
S12000045	East Dunbartonshire		Scotland	SCO	293.2	185.6	231.7	443	413	856	148	138	285	31	31
S12000010	East Lothian		Scotland	SCO	327.6	225.8	270.4	430	419	849	143	140	283	23	22
S12000011	East Renfrewshire		Scotland	SCO	268.6	181.1	218.1	319	347	666	106	116	222	32	32
S12000014	Falkirk		Scotland	SCO	356.9	273.1	313.1	690	691	1,381	230	230	460	7	16
S12000047	Fife		Scotland	SCO	363.0	244.0	295.4	1,686	1,580	3,266	562	527	1,089	13	14
S12000049	Glasgow City		Scotland	SCO	428.4	259.3	329.0	2,336	2,136	4,472	779	712	1,491	3	4
S12000017	Highland		Scotland	SCO	335.2	241.3	285.0	1,081	1,064	2,145	360	355	715	19	19
S12000018	Inverclyde		Scotland	SCO	415.5	249.4	316.5	409	386	795	136	129	265	6	3
S12000019	Midlothian		Scotland	SCO	331.5	249.1	284.5	332	345	677	111	115	226	20	18
S12000020	Moray		Scotland	SCO	319.0	248.7	280.3	414	436	850	138	145	283	22	23
S12000013	Na h-Eileanan Siar		Scotland	SCO	365.9	237.4	296.2	155	154	309	52	51	103	12	9
S12000021	North Ayrshire		Scotland	SCO	406.5	263.3	321.5	709	667	1,376	236	222	459	4	2
S12000050	North Lanarkshire		Scotland	SCO	386.3	251.5	308.0	1,345	1,214	2,559	448	405	853	8	5
S12000023	Orkney Islands		Scotland	SCO	372.9	224.3	291.3	125	94	219	42	31	73	17	25
S12000048	Perth and Kinross		Scotland	SCO	317.9	205.0	254.6	714	667	1,381	238	222	460	30	27
S12000038	Renfrewshire		Scotland	SCO	346.3	235.4	284.5	731	695	1,426	244	232	475	21	12
S12000026	Scottish Borders		Scotland	SCO	341.0	212.1	265.6	557	488	1,045	186	163	348	26	21
S12000027	Shetland Islands		Scotland	SCO	311.5	207.3	260.8	90	76	166	30	25	55	28	24
S12000028	South Ayrshire		Scotland	SCO	370.3	244.1	300.8	650	612	1,262	217	204	421	10	13

Table 1.26 Age-standardised death rates per 100,000 and number of deaths for heart and circulatory diseases (CVD), all ages by local authority, United Kingdom 2017/19

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					Age standardised death rates from all heart and circulatory diseases per 100,000 - 3 Year Average			Total number of deaths from all heart and circulatory diseases 2017/19			Average number of annual deaths from all heart and circulatory diseases 2017/19			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	4N
S12000029	South Lanarkshire		Scotland	SCO	363.1	236.7	292.0	1,384	1,283	2,667	461	428	889	16	11
S12000030	Stirling		Scotland	SCO	309.6	226.8	263.0	343	363	706	114	121	235	27	28
S12000039	West Dunbartonshire		Scotland	SCO	426.4	274.3	338.6	421	398	819	140	133	273	2	1
S12000040	West Lothian		Scotland	SCO	328.7	223.3	270.3	612	529	1,141	204	176	380	24	17
W06000003	Conwy	Clwyd	Wales / Cymru	WAL	283.5	199.8	238.9	607	635	1,242	202	212	414	17	14
W06000004	Denbighshire / Sir Ddinbych	Clwyd	Wales / Cymru	WAL	344.4	244.5	292.6	508	444	952	169	148	317	2	9
W06000005	Flintshire / Sir y Fflint	Clwyd	Wales / Cymru	WAL	294.9	201.8	245.1	608	532	1,140	203	177	380	16	18
W06000006	Wrexham / Wrecsam	Clwyd	Wales / Cymru	WAL	318.7	218.8	268.1	582	490	1,072	194	163	357	10	16
W06000010	Carmarthenshire / Sir Gaerfyrddin	Dyfed	Wales / Cymru	WAL	336.8	213.5	269.1	958	809	1,767	319	270	589	9	10
W06000008	Ceredigion	Dyfed	Wales / Cymru	WAL	298.0	184.9	237.9	358	299	657	119	100	219	19	20
W06000009	Pembrokeshire / Sir Benfro	Dyfed	Wales / Cymru	WAL	294.1	205.5	247.6	605	580	1,185	202	193	395	14	13
W06000019	Blaenau Gwent	Gwent	Wales / Cymru	WAL	390.0	276.0	329.1	340	320	660	113	107	220	1	1
W06000018	Caerphilly / Caerffili	Gwent	Wales / Cymru	WAL	350.9	221.8	281.9	772	620	1,392	257	207	464	4	5
W06000021	Monmouthshire / Sir Fynwy	Gwent	Wales / Cymru	WAL	265.2	178.0	217.8	409	382	791	136	127	264	22	22
W06000022	Newport / Casnewydd	Gwent	Wales / Cymru	WAL	343.6	220.9	279.6	612	522	1,134	204	174	378	6	7
W06000020	Torfaen / Tor-faen	Gwent	Wales / Cymru	WAL	323.0	208.9	261.8	399	353	752	133	118	251	11	6
W06000002	Gwynedd	Gwynedd	Wales / Cymru	WAL	308.0	181.9	238.7	566	484	1,050	189	161	350	18	17
W06000001	Isle of Anglesey / Ynys Môn	Gwynedd	Wales / Cymru	WAL	319.1	213.4	260.6	359	337	696	120	112	232	12	11
W06000013	Bridgend / Pen-y-bont ar Ogwr	Mid Glamorgan / Morgannwg Ganol	Wales / Cymru	WAL	349.5	222.0	280.1	653	543	1,196	218	181	399	5	8
W06000024	Merthyr Tydfil / Merthyr Tudful	Mid Glamorgan / Morgannwg Ganol	Wales / Cymru	WAL	343.3	247.5	292.5	250	228	478	83	76	159	3	2
W06000016	Rhondda Cynon Taf / Rhondda Cynon Taf	Mid Glamorgan / Morgannwg Ganol	Wales / Cymru	WAL	331.4	215.4	269.3	976	838	1,814	325	279	605	8	4
W06000023	Powys	Powys	Wales / Cymru	WAL	297.7	201.3	245.5	686	643	1,329	229	214	443	15	21
W06000015	Cardiff / Caerdydd	South Glamorgan / De Morgannwg	Wales / Cymru	WAL	319.0	164.5	232.1	1,089	840	1,929	363	280	643	20	15
W06000014	Vale of Glamorgan / Bro Morgannwg	South Glamorgan / De Morgannwg	Wales / Cymru	WAL	270.6	176.5	218.3	457	446	903	152	149	301	21	19
W06000012	Neath Port Talbot / Castell-nedd Port Talbot	West Glamorgan / Gorllewin Morgannwg	Wales / Cymru	WAL	342.8	216.9	274.0	637	554	1,191	212	185	397	7	3
W06000011	Swansea / Abertawe	West Glamorgan / Gorllewin Morgannwg	Wales / Cymru	WAL	338.5	192.6	255.7	1,043	864	1,907	348	288	636	13	12

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.

Average IMD ranks for Scotland, Wales, and Northern Ireland calculated in line with methodology for used for England

UK local authorities correct to February 2022 - The IMD rankings for Buckinghamshire, North Northamptonshire, and West Northamptonshire are crude averages of their respective pre-2020 and pre-2021 local authority areas.

City of London and Isles of Scilly excluded from IMD and ASDR analysis for England - *sui generis* status (small population)

Source:

England: Number of Deaths are taken from NOMIS Mortality Statistics — https://www.nomisweb.co.uk/datasets/mortsa

Wales: Number of Deaths are taken from NOMIS Mortality Statistics — 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: Average IMD ranks taken from 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 1.27 Age-standardised death rates per 100,000 and number of deaths for heart and circulatory diseases (CVD), under 75s by local authority, United Kingdom 2017/19

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					UNDER 75										
					Age standardised CVD death rates per 100,000 - 3 Year Average			*Total number of premature CVD deaths - 2017/19*			Average number of annual CVD deaths - 2017/19			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	4N
E06000055	Bedford	Bedfordshire	East of England	ENG	102.9	38.8	70.1	*222*	*87*	*309*	74	29	252	137	154
E06000056	Central Bedfordshire	Bedfordshire	East of England	ENG	82.5	32.0	56.6	*307*	*125*	*432*	102	42	229	220	258
E06000032	Luton	Bedfordshire	East of England	ENG	113.5	56.5	84.5	*232*	*116*	*348*	77	39	133	62	52
E06000036	Bracknell Forest	Berkshire	South East	ENG	70.5	31.1	50.5	*100*	*45*	*145*	33	15	139	267	276
E06000038	Reading	Berkshire	South East	ENG	84.6	44.8	64.9	*136*	*70*	*206*	45	23	116	166	138
E06000039	Slough	Berkshire	South East	ENG	135.3	60.3	96.9	*169*	*79*	*248*	56	26	122	22	72
E06000037	West Berkshire	Berkshire	South East	ENG	68.1	27.0	47.2	*150*	*61*	*211*	50	20	140	284	281
E06000040	Windsor and Maidenhead	Berkshire	South East	ENG	64.3	36.5	50.2	*122*	*73*	*195*	41	24	96	270	296
E06000041	Wokingham	Berkshire	South East	ENG	60.5	28.2	43.9	*127*	*63*	*190*	42	21	161	295	306
E06000023	Bristol, City of	Bristol	South West	ENG	106.4	43.9	74.6	*461*	*198*	*659*	154	66	18	112	81
E06000060	Buckinghamshire	Buckinghamshire	South East	ENG	69.5	28.4	48.3	*478*	*208*	*686*	159	69	268	278	284
E06000042	Milton Keynes	Buckinghamshire	South East	ENG	92.2	43.7	67.1	*270*	*138*	*408*	90	46	48	153	169
E07000008	Cambridge	Cambridgeshire	East of England	ENG	100.8	37.0	62.0	*118*	*29*	*147*	39	10	250	184	202
E07000009	East Cambridgeshire	Cambridgeshire	East of England	ENG	78.7	45.3	61.4	*96*	*59*	*155*	32	20	209	191	260
E07000010	Fenland	Cambridgeshire	East of England	ENG	115.8	53.2	84.0	*174*	*83*	*257*	58	28	239	63	51
E07000011	Huntingdonshire	Cambridgeshire	East of England	ENG	73.5	24.4	48.7	*188*	*63*	*251*	63	21	229	274	241
E06000031	Peterborough	Cambridgeshire	East of England	ENG	129.0	58.7	93.1	*286*	*133*	*419*	95	44	220	29	53
E07000012	South Cambridgeshire	Cambridgeshire	East of England	ENG	60.0	30.0	44.7	*130*	*66*	*196*	43	22	224	294	292
E06000049	Cheshire East	Cheshire	North West	ENG	94.0	36.4	64.5	*534*	*222*	*756*	178	74	136	169	224
E06000050	Cheshire West and Chester	Cheshire	North West	ENG	100.6	37.8	68.3	*489*	*197*	*686*	163	66	137	146	180
E06000006	Halton	Cheshire	North West	ENG	125.9	47.4	85.5	*217*	*87*	*304*	72	29	140	58	39
E06000007	Warrington	Cheshire	North West	ENG	106.5	48.4	76.8	*298*	*142*	*440*	99	47	84	94	172
E06000052	Cornwall	Cornwall	South West	ENG	97.3	40.1	67.6	*879*	*396*	*1,275*	293	132	135	150	82
E06000053	Isles of Scilly	Cornwall	South West	ENG	-	-	-	-	-	-	-	-	-	n/a	n/a
E06000047	County Durham	County Durham	North East	ENG	108.7	50.5	78.9	*819*	*401*	*1,220*	273	134	63	83	65
E06000005	Darlington	County Durham	North East	ENG	101.3	48.9	74.3	*147*	*76*	*223*	49	25	98	114	102
E06000001	Hartlepool	County Durham	North East	ENG	144.7	55.8	99.3	*181*	*72*	*253*	60	24	178	16	25
E06000004	Stockton-on-Tees	County Durham	North East	ENG	101.4	46.3	73.0	*261*	*124*	*385*	87	41	157	117	111
E07000026	Allerdale	Cumbria	North West	ENG	110.9	50.5	80.2	*173*	*81*	*254*	58	27	237	78	107
E07000027	Barrow-in-Furness	Cumbria	North West	ENG	116.6	61.6	88.6	*115*	*63*	*178*	38	21	49	44	44
E07000028	Carlisle	Cumbria	North West	ENG	114.3	57.1	85.2	*178*	*93*	*271*	59	31	52	61	113
E07000029	Copeland	Cumbria	North West	ENG	115.0	62.5	89.1	*125*	*65*	*190*	42	22	86	42	77
E07000030	Eden	Cumbria	North West	ENG	79.3	43.8	61.4	*73*	*40*	*113*	24	13	84	190	166
E07000031	South Lakeland	Cumbria	North West	ENG	81.4	29.6	54.9	*146*	*60*	*206*	49	20	65	230	238
E07000032	Amber Valley	Derbyshire	East Midlands	ENG	93.9	39.4	66.3	*185*	*79*	*264*	62	26	85	157	164
E07000033	Bolsover	Derbyshire	East Midlands	ENG	106.3	55.9	81.0	*123*	*66*	*189*	41	22	59	75	58
E07000034	Chesterfield	Derbyshire	East Midlands	ENG	120.6	46.3	82.8	*182*	*73*	*255*	61	24	90	66	85
E06000015	Derby	Derbyshire	East Midlands	ENG	124.7	54.7	88.6	*359*	*168*	*527*	120	56	161	45	89
E07000035	Derbyshire Dales	Derbyshire	East Midlands	ENG	81.0	29.2	52.6	*104*	*32*	*136*	35	11	63	252	259
E07000036	Erewash	Derbyshire	East Midlands	ENG	97.4	43.9	70.0	*155*	*73*	*228*	52	24	38	138	165
E07000037	High Peak	Derbyshire	East Midlands	ENG	71.0	34.4	52.7	*101*	*50*	*151*	34	17	69	251	199
E07000038	North East Derbyshire	Derbyshire	East Midlands	ENG	82.8	44.9	63.4	*134*	*78*	*212*	45	26	88	173	174
E07000039	South Derbyshire	Derbyshire	East Midlands	ENG	91.5	33.2	62.0	*132*	*48*	*180*	44	16	63	186	214
E07000040	East Devon	Devon	South West	ENG	73.9	31.1	51.5	*178*	*85*	*263*	59	28	85	260	234
E07000041	Exeter	Devon	South West	ENG	99.5	41.2	68.9	*132*	*61*	*193*	44	20	45	144	190
E07000042	Mid Devon	Devon	South West	ENG	78.1	37.2	57.3	*99*	*47*	*146*	33	16	76	216	159
E07000043	North Devon	Devon	South West	ENG	85.8	48.2	66.3	*131*	*80*	*211*	44	27	50	156	121
E06000026	Plymouth	Devon	South West	ENG	108.9	50.8	79.1	*354*	*176*	*530*	118	59	133	82	71
E07000044	South Hams	Devon	South West	ENG	70.3	27.9	45.5	*108*	*39*	*147*	36	13	71	293	215
E07000045	Teignbridge	Devon	South West	ENG	82.8	30.0	55.4	*183*	*72*	*255*	61	24	60	229	183
E06000027	Torbay	Devon	South West	ENG	100.9	44.1	71.6	*219*	*102*	*321*	73	34	197	127	48

Table 1.27 Age-standardised death rates per 100,000 and number of deaths for heart and circulatory diseases (CVD), under 75s by local authority, United Kingdom 2017/19

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					UNDER 75										
					Age standardised CVD death rates per 100,000 - 3 Year Average			*Total number of premature CVD deaths - 2017/19*			Average number of annual CVD deaths - 2017/19			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	4N
E07000046	Torridge	Devon	South West	ENG	99.9	37.1	67.6	*120*	*47*	*167*	40	16	88	151	67
E07000047	West Devon	Devon	South West	ENG	92.1	46.8	69.0	*91*	*45*	*136*	30	15	64	143	136
E06000058	Bournemouth, Christchurch and Poole	Dorset	South West	ENG	80.2	35.3	57.2	*426*	*200*	*626*	142	67	425	217	163
E06000059	Dorset	Dorset	South West	ENG	79.7	29.6	53.8	*511*	*206*	*717*	170	69	-	240	194
E06000043	Brighton and Hove	East Sussex	South East	ENG	102.0	36.1	68.9	*302*	*109*	*411*	101	36	70	145	137
E07000061	Eastbourne	East Sussex	South East	ENG	86.5	33.4	58.7	*127*	*54*	*181*	42	18	49	207	104
E07000062	Hastings	East Sussex	South East	ENG	134.7	60.4	96.2	*173*	*83*	*256*	58	28	70	23	13
E07000063	Lewes	East Sussex	South East	ENG	77.5	29.4	52.3	*121*	*51*	*172*	40	17	49	255	191
E07000064	Rother	East Sussex	South East	ENG	73.5	31.9	51.7	*125*	*57*	*182*	42	19	85	259	132
E07000065	Wealden	East Sussex	South East	ENG	74.1	26.9	49.4	*190*	*77*	*267*	63	26	56	273	248
E07000066	Basildon	Essex	East of England	ENG	105.0	43.2	72.7	*234*	*105*	*339*	78	35	45	119	109
E07000067	Braintree	Essex	East of England	ENG	79.2	37.6	57.6	*168*	*87*	*255*	56	29	60	215	200
E07000068	Brentwood	Essex	East of England	ENG	89.9	29.9	58.1	*91*	*30*	*121*	30	10	85	211	279
E07000069	Castle Point	Essex	East of England	ENG	91.0	35.4	62.0	*126*	*56*	*182*	42	19	57	185	179
E07000070	Chelmsford	Essex	East of England	ENG	69.9	32.6	50.4	*160*	*81*	*241*	53	27	61	268	254
E07000071	Colchester	Essex	East of England	ENG	72.0	31.7	51.0	*165*	*79*	*244*	55	26	89	262	178
E07000072	Epping Forest	Essex	East of England	ENG	88.3	28.3	57.1	*152*	*53*	*205*	51	18	113	218	197
E07000073	Harlow	Essex	East of England	ENG	131.1	46.8	86.7	*122*	*48*	*170*	41	16	85	53	99
E07000074	Maldon	Essex	East of England	ENG	64.9	53.2	59.1	*73*	*62*	*135*	24	21	40	201	207
E07000075	Rochford	Essex	East of England	ENG	71.7	26.8	48.4	*94*	*38*	*132*	31	13	61	277	278
E06000033	Southend-on-Sea	Essex	East of England	ENG	112.3	40.9	75.6	*264*	*102*	*366*	88	34	125	108	126
E07000076	Tendring	Essex	East of England	ENG	115.1	46.4	78.9	*280*	*125*	*405*	93	42	80	85	32
E06000034	Thurrock	Essex	East of England	ENG	102.7	47.2	74.7	*196*	*91*	*287*	65	30	177	111	114
E07000077	Uttlesford	Essex	East of England	ENG	68.2	31.0	47.6	*85*	*35*	*120*	28	12	81	280	287
E07000078	Cheltenham	Gloucestershire	South West	ENG	99.3	39.5	68.2	*145*	*62*	*207*	48	21	68	147	233
E07000079	Cotswold	Gloucestershire	South West	ENG	69.1	30.1	48.7	*99*	*47*	*146*	33	16	57	275	266
E07000080	Forest of Dean	Gloucestershire	South West	ENG	76.7	37.0	56.4	*107*	*55*	*162*	36	18	45	222	140
E07000081	Gloucester	Gloucestershire	South West	ENG	122.4	46.0	83.0	*189*	*76*	*265*	63	25	44	65	135
E06000025	South Gloucestershire	Gloucestershire	South West	ENG	67.1	35.1	50.7	*241*	*133*	*374*	80	44	127	265	261
E07000082	Stroud	Gloucestershire	South West	ENG	74.8	26.1	49.7	*136*	*50*	*186*	45	17	135	272	272
E07000083	Tewkesbury	Gloucestershire	South West	ENG	78.1	28.4	52.4	*105*	*40*	*145*	35	13	40	254	255
E09000002	Barking and Dagenham	Greater London	London	ENG	131.7	54.0	91.2	*222*	*96*	*318*	74	32	157	34	5
E09000003	Barnet	Greater London	London	ENG	75.5	28.7	51.1	*308*	*126*	*434*	103	42	309	261	181
E09000004	Bexley	Greater London	London	ENG	87.0	35.7	60.2	*241*	*109*	*350*	80	36	487	198	187
E09000005	Brent	Greater London	London	ENG	107.1	47.0	76.3	*353*	*154*	*507*	118	51	280	101	49
E09000006	Bromley	Greater London	London	ENG	79.4	34.1	55.4	*308*	*147*	*455*	103	49	157	228	226
E09000007	Camden	Greater London	London	ENG	79.4	39.3	58.7	*186*	*99*	*285*	62	33	-	208	129
E09000001	City of London	Greater London	London	ENG	-	-	-	-	-	-	-	-	-	n/a	n/a
E09000008	Croydon	Greater London	London	ENG	95.2	38.6	65.5	*382*	*171*	*553*	127	57	106	163	101
E09000009	Ealing	Greater London	London	ENG	105.2	49.5	76.4	*360*	*176*	*536*	120	59	145	99	87
E09000010	Enfield	Greater London	London	ENG	106.1	40.9	71.9	*353*	*151*	*504*	118	50	117	124	59
E09000011	Greenwich	Greater London	London	ENG	102.3	47.2	74.4	*272*	*121*	*393*	91	40	169	113	60
E09000012	Hackney	Greater London	London	ENG	125.3	48.7	85.4	*264*	*103*	*367*	88	34	152	59	7
E09000013	Hammersmith and Fulham	Greater London	London	ENG	118.0	41.1	76.1	*185*	*75*	*260*	62	25	95	104	95
E09000014	Haringey	Greater London	London	ENG	112.0	54.7	81.5	*261*	*140*	*401*	87	47	184	72	37
E09000015	Harrow	Greater London	London	ENG	80.7	33.8	56.6	*228*	*102*	*330*	76	34	179	221	196
E09000016	Havering	Greater London	London	ENG	99.1	46.1	71.4	*300*	*154*	*454*	100	51	168	129	176
E09000017	Hillingdon	Greater London	London	ENG	113.8	39.9	75.9	*347*	*127*	*474*	116	42	131	106	149
E09000018	Hounslow	Greater London	London	ENG	112.9	52.0	81.9	*301*	*140*	*441*	100	47	122	70	94
E09000019	Islington	Greater London	London	ENG	107.3	43.4	74.0	*191*	*83*	*274*	64	28	87	115	28
E09000020	Kensington and Chelsea	Greater London	London	ENG	68.1	26.2	45.6	*118*	*53*	*171*	39	18	134	292	120

Table 1.27 Age-standardised death rates per 100,000 and number of deaths for heart and circulatory diseases (CVD), under 75s by local authority, United Kingdom 2017/19

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					UNDER 75										
					Age standardised CVD death rates per 100,000 - 3 Year Average			*Total number of premature CVD deaths - 2017/19*			Average number of annual CVD deaths - 2017/19			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	4N
E09000021	Kingston upon Thames	Greater London	London	ENG	86.8	31.9	58.5	*155*	*59*	*214*	52	20	110	209	264
E09000022	Lambeth	Greater London	London	ENG	118.1	55.5	85.2	*281*	*140*	*421*	94	47	151	60	42
E09000023	Lewisham	Greater London	London	ENG	117.0	49.1	81.4	*294*	*127*	*421*	98	42	158	73	35
E09000024	Merton	Greater London	London	ENG	91.4	36.7	62.4	*181*	*81*	*262*	60	27	147	182	210
E09000025	Newham	Greater London	London	ENG	131.9	59.3	94.1	*335*	*158*	*493*	112	53	91	26	12
E09000026	Redbridge	Greater London	London	ENG	87.5	39.9	63.4	*268*	*120*	*388*	89	40	57	174	158
E09000027	Richmond upon Thames	Greater London	London	ENG	77.5	30.8	53.1	*174*	*75*	*249*	58	25	71	243	289
E09000028	Southwark	Greater London	London	ENG	100.4	41.5	69.6	*244*	*111*	*355*	81	37	140	140	43
E09000029	Sutton	Greater London	London	ENG	74.0	31.1	51.8	*169*	*74*	*243*	56	25	140	257	223
E09000030	Tower Hamlets	Greater London	London	ENG	112.8	61.8	87.4	*223*	*114*	*337*	74	38	87	51	27
E09000031	Waltham Forest	Greater London	London	ENG	114.9	46.5	79.2	*287*	*119*	*406*	96	40	164	81	45
E09000032	Wandsworth	Greater London	London	ENG	107.2	49.3	76.6	*264*	*127*	*391*	88	42	129	97	170
E09000033	Westminster	Greater London	London	ENG	74.0	30.6	51.7	*183*	*79*	*262*	61	26	83	258	131
E08000001	Bolton	Greater Manchester	North West	ENG	140.9	60.6	99.7	*501*	*226*	*727*	167	75	57	15	47
E08000002	Bury	Greater Manchester	North West	ENG	104.8	53.8	78.6	*256*	*140*	*396*	85	47	65	89	108
E08000003	Manchester	Greater Manchester	North West	ENG	155.7	78.1	116.7	*674*	*331*	*1,005*	225	110	45	2	2
E08000004	Oldham	Greater Manchester	North West	ENG	137.3	63.7	99.1	*373*	*187*	*560*	124	62	170	18	29
E08000005	Rochdale	Greater Manchester	North West	ENG	135.1	69.2	101.4	*361*	*194*	*555*	120	65	99	9	17
E08000006	Salford	Greater Manchester	North West	ENG	130.5	59.9	95.3	*361*	*164*	*525*	120	55	90	24	20
E08000007	Stockport	Greater Manchester	North West	ENG	100.0	42.8	70.8	*389*	*176*	*565*	130	59	242	133	152
E08000008	Tameside	Greater Manchester	North West	ENG	142.2	69.5	105.5	*419*	*210*	*629*	140	70	132	5	23
E08000009	Trafford	Greater Manchester	North West	ENG	102.6	44.7	72.8	*290*	*134*	*424*	97	45	335	118	205
E08000010	Wigan	Greater Manchester	North West	ENG	129.0	58.2	93.2	*588*	*272*	*860*	196	91	187	28	96
E07000084	Basingstoke and Deane	Hampshire	South East	ENG	81.5	31.3	55.9	*184*	*74*	*258*	61	25	69	224	240
E07000085	East Hampshire	Hampshire	South East	ENG	63.5	30.5	46.5	*116*	*61*	*177*	39	20	49	287	277
E07000086	Eastleigh	Hampshire	South East	ENG	74.9	32.7	53.1	*130*	*61*	*191*	43	20	54	247	280
E07000087	Fareham	Hampshire	South East	ENG	59.7	32.5	45.6	*103*	*62*	*165*	34	21	88	291	290
E07000088	Gosport	Hampshire	South East	ENG	116.3	45.6	80.1	*137*	*57*	*194*	46	19	62	79	127
E07000089	Hart	Hampshire	South East	ENG	53.5	29.3	40.9	*68*	*40*	*108*	23	13	48	305	307
E07000090	Havant	Hampshire	South East	ENG	83.5	36.5	59.1	*153*	*73*	*226*	51	24	86	202	130
E07000091	New Forest	Hampshire	South East	ENG	63.8	22.6	42.3	*190*	*72*	*262*	63	24	59	303	237
E06000044	Portsmouth	Hampshire	South East	ENG	124.1	57.4	90.1	*279*	*133*	*412*	93	44	69	38	57
E07000092	Rushmoor	Hampshire	South East	ENG	83.1	51.5	62.7	*92*	*46*	*138*	31	15	64	179	193
E06000045	Southampton	Hampshire	South East	ENG	108.7	53.5	80.8	*268*	*137*	*405*	89	46	83	76	55
E07000093	Test Valley	Hampshire	South East	ENG	81.1	32.5	56.2	*143*	*63*	*206*	48	21	55	223	256
E07000094	Winchester	Hampshire	South East	ENG	70.0	24.2	46.6	*119*	*45*	*164*	40	15	65	286	285
E06000019	Herefordshire, County of	Herefordshire	West Midlands	ENG	84.7	41.3	62.5	*252*	*130*	*382*	84	43	122	181	134
E07000095	Broxbourne	Hertfordshire	East of England	ENG	107.8	41.6	73.2	*124*	*53*	*177*	41	18	36	116	151
E07000096	Dacorum	Hertfordshire	East of England	ENG	80.2	30.8	54.4	*149*	*63*	*212*	50	21	75	234	236
E07000242	East Hertfordshire	Hertfordshire	East of England	ENG	70.4	29.7	49.8	*137*	*59*	*196*	46	20	57	271	299
E07000098	Hertsmere	Hertfordshire	East of England	ENG	88.0	33.0	58.7	*110*	*46*	*156*	37	15	87	206	220
E07000099	North Hertfordshire	Hertfordshire	East of England	ENG	84.4	32.9	58.0	*144*	*59*	*203*	48	20	46	212	263
E07000240	St Albans	Hertfordshire	East of England	ENG	70.9	27.6	48.5	*123*	*51*	*174*	41	17	53	276	298
E07000243	Stevenage	Hertfordshire	East of England	ENG	91.4	44.4	67.8	*90*	*46*	*136*	30	15	73	149	115
E07000102	Three Rivers	Hertfordshire	East of England	ENG	85.5	25.0	54.3	*100*	*31*	*131*	33	10	69	236	283
E07000103	Watford	Hertfordshire	East of England	ENG	99.2	44.6	71.1	*95*	*46*	*141*	32	15	55	131	192
E07000241	Welwyn Hatfield	Hertfordshire	East of England	ENG	91.1	42.7	66.3	*115*	*57*	*172*	38	19	42	158	211
E06000046	Isle of Wight	Isle of Wight	South East	ENG	103.9	43.2	72.6	*250*	*109*	*359*	83	36	65	120	79
E07000105	Ashford	Kent	South East	ENG	86.2	40.2	62.5	*148*	*73*	*221*	49	24	59	180	150
E07000106	Canterbury	Kent	South East	ENG	93.6	32.3	61.6	*191*	*77*	*268*	64	26	71	189	182
E07000107	Dartford	Kent	South East	ENG	103.9	48.5	75.4	*121*	*58*	*179*	40	19	52	109	143

Table 1.27 Age-standardised death rates per 100,000 and number of deaths for heart and circulatory diseases (CVD), under 75s by local authority, United Kingdom 2017/19

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					Age standardised CVD death rates per 100,000 - 3 Year Average			*Total number of premature CVD deaths - 2017/19*			Average number of annual CVD deaths - 2017/19			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	4N
E07000108	Dover	Kent	South East	ENG	86.6	40.6	63.2	*158*	*76*	*234*	53	25	68	175	105
E07000112	Folkestone and Hythe (Shepway)	Kent	South East	ENG	92.5	38.3	64.9	*161*	*72*	*233*	54	24	89	168	83
E07000109	Gravesham	Kent	South East	ENG	94.0	43.0	68.1	*122*	*58*	*180*	41	19	44	148	117
E07000110	Maidstone	Kent	South East	ENG	76.2	31.3	53.2	*170*	*73*	*243*	57	24	47	242	185
E06000035	Medway	Kent	South East	ENG	97.2	45.2	70.6	*325*	*159*	*484*	108	53	107	134	97
E07000111	Sevenoaks	Kent	South East	ENG	75.2	31.5	52.5	*125*	*57*	*182*	42	19	74	253	247
E07000113	Swale	Kent	South East	ENG	92.2	49.5	70.5	*186*	*104*	*290*	62	35	60	135	69
E07000114	Thanet	Kent	South East	ENG	115.2	41.5	76.8	*242*	*95*	*337*	81	32	78	95	34
E07000115	Tonbridge and Malling	Kent	South East	ENG	89.9	34.9	61.7	*152*	*64*	*216*	51	21	60	188	232
E07000116	Tunbridge Wells	Kent	South East	ENG	76.3	40.0	57.8	*117*	*64*	*181*	39	21	81	214	267
E06000008	Blackburn with Darwen	Lancashire	North West	ENG	133.6	63.1	98.1	*227*	*107*	*334*	76	36	114	20	14
E06000009	Blackpool	Lancashire	North West	ENG	165.7	77.9	121.5	*326*	*156*	*482*	109	52	121	1	1
E07000117	Burnley	Lancashire	North West	ENG	126.0	77.2	101.2	*146*	*95*	*241*	49	32	61	12	11
E07000118	Chorley	Lancashire	North West	ENG	103.9	49.0	76.5	*177*	*85*	*262*	59	28	78	98	189
E07000119	Fylde	Lancashire	North West	ENG	94.5	44.9	69.3	*126*	*66*	*192*	42	22	97	141	195
E07000120	Hyndburn	Lancashire	North West	ENG	140.4	63.6	101.3	*147*	*69*	*216*	49	23	112	11	18
E07000121	Lancaster	Lancashire	North West	ENG	115.4	45.3	79.2	*218*	*90*	*308*	73	30	72	80	110
E07000122	Pendle	Lancashire	North West	ENG	134.7	63.8	98.8	*164*	*80*	*244*	55	27	60	19	36
E07000123	Preston	Lancashire	North West	ENG	135.4	49.7	92.5	*213*	*78*	*291*	71	26	80	30	46
E07000124	Ribble Valley	Lancashire	North West	ENG	109.6	54.8	71.8	*104*	*35*	*139*	35	12	87	125	274
E07000125	Rossendale	Lancashire	North West	ENG	111.0	67.3	88.9	*110*	*68*	*178*	37	23	64	43	90
E07000126	South Ribble	Lancashire	North West	ENG	96.6	47.0	71.0	*153*	*80*	*233*	51	27	72	132	206
E07000127	West Lancashire	Lancashire	North West	ENG	99.2	52.5	74.8	*160*	*92*	*252*	53	31	103	110	175
E07000128	Wyre	Lancashire	North West	ENG	127.0	53.4	89.2	*233*	*101*	*334*	78	34	81	40	145
E07000129	Blaby	Leicestershire	East Midlands	ENG	63.7	24.6	43.7	*89*	*36*	*125*	30	12	97	296	273
E07000130	Charnwood	Leicestershire	East Midlands	ENG	85.6	42.8	63.8	*196*	*102*	*298*	65	34	46	170	239
E07000131	Harborough	Leicestershire	East Midlands	ENG	70.7	31.1	50.7	*99*	*45*	*144*	33	15	59	264	300
E07000132	Hinckley and Bosworth	Leicestershire	East Midlands	ENG	101.4	43.1	71.8	*171*	*76*	*247*	57	25	78	126	228
E06000016	Leicester	Leicestershire	East Midlands	ENG	144.9	59.3	101.6	*485*	*199*	*684*	162	66	220	8	22
E07000133	Melton	Leicestershire	East Midlands	ENG	86.6	47.9	61.1	*70*	*30*	*100*	23	10	84	193	242
E07000134	North West Leicestershire	Leicestershire	East Midlands	ENG	86.1	44.9	65.6	*131*	*69*	*200*	44	23	111	161	212
E07000135	Oadby and Wigston	Leicestershire	East Midlands	ENG	83.3	51.9	62.7	*62*	*36*	*98*	21	12	42	178	243
E07000136	Boston	Lincolnshire	East Midlands	ENG	139.2	51.5	94.7	*134*	*52*	*186*	45	17	99	25	84
E07000137	East Lindsey	Lincolnshire	East Midlands	ENG	119.5	63.9	90.8	*316*	*179*	*495*	105	60	48	35	30
E07000138	Lincoln	Lincolnshire	East Midlands	ENG	114.7	67.0	90.4	*123*	*75*	*198*	41	25	82	36	68
E06000012	North East Lincolnshire	Lincolnshire	Yorkshire & The Humber	ENG	127.7	57.7	92.0	*280*	*132*	*412*	93	44	101	32	66
E07000139	North Kesteven	Lincolnshire	East Midlands	ENG	86.4	41.3	63.1	*151*	*78*	*229*	50	26	33	177	262
E06000013	North Lincolnshire	Lincolnshire	Yorkshire & The Humber	ENG	93.9	51.0	72.3	*235*	*132*	*367*	78	44	147	122	118
E07000140	South Holland	Lincolnshire	East Midlands	ENG	117.7	40.8	78.7	*169*	*63*	*232*	56	21	67	88	141
E07000141	South Kesteven	Lincolnshire	East Midlands	ENG	84.1	31.6	56.8	*181*	*74*	*255*	60	25	33	219	230
E07000142	West Lindsey	Lincolnshire	East Midlands	ENG	89.3	44.5	66.4	*138*	*73*	*211*	46	24	62	155	144
E08000011	Knowsley	Merseyside	North West	ENG	132.1	69.7	99.2	*242*	*141*	*383*	81	47	185	17	3
E08000012	Liverpool	Merseyside	North West	ENG	141.9	67.5	103.9	*759*	*376*	*1,135*	253	125	175	6	4
E08000014	Sefton	Merseyside	North West	ENG	111.4	49.3	78.9	*441*	*213*	*654*	147	71	210	86	88
E08000013	St. Helens	Merseyside	North West	ENG	120.4	65.0	92.0	*303*	*170*	*473*	101	57	188	31	40
E08000015	Wirral	Merseyside	North West	ENG	100.1	45.2	71.5	*455*	*225*	*680*	152	75	141	128	76
E07000143	Breckland	Norfolk	East of England	ENG	78.7	39.9	58.8	*171*	*93*	*264*	57	31	165	205	124
E07000144	Broadland	Norfolk	East of England	ENG	82.3	29.1	54.8	*170*	*66*	*236*	57	22	66	233	251
E07000145	Great Yarmouth	Norfolk	East of England	ENG	125.2	49.1	86.5	*195*	*78*	*273*	65	26	76	56	24
E07000146	King's Lynn and West Norfolk	Norfolk	East of England	ENG	98.3	48.2	72.2	*235*	*123*	*358*	78	41	77	123	78
E07000147	North Norfolk	Norfolk	East of England	ENG	75.7	36.6	55.7	*153*	*80*	*233*	51	27	85	225	93

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LA Code	LA/DC/UA	Ceremonial County (Eng/Wal)	Region/Nation	4N	Men	Women	Total	*Men*	*Women*	*Total*	Men	Women	Total	4N	4N
E07000148	Norwich	Norfolk	East of England	ENG	123.3	52.4	86.6	*175*	*79*	*254*	58	26	70	54	61
E07000149	South Norfolk	Norfolk	East of England	ENG	64.2	31.7	47.4	*136*	*72*	*208*	45	24	88	283	221
E06000061	North Northamptonshire	Northamptonshire	East Midlands	ENG	97.7	45.8	71.1	*450*	*223*	*673*	150	74	103	130	142
E06000062	West Northamptonshire	Northamptonshire	East Midlands	ENG	94.6	40.0	66.8	*494*	*218*	*712*	165	73	144	154	222
E06000057	Northumberland	Northumberland	North East	ENG	97.5	44.2	70.0	*504*	*246*	*750*	168	82	205	139	128
E07000170	Ashfield	Nottinghamshire	East Midlands	ENG	118.5	58.0	87.9	*205*	*103*	*308*	68	34	56	48	63
E07000171	Bassetlaw	Nottinghamshire	East Midlands	ENG	103.2	50.8	76.7	*181*	*92*	*273*	60	31	88	96	106
E07000172	Broxtowe	Nottinghamshire	East Midlands	ENG	94.5	45.4	69.1	*151*	*77*	*228*	50	26	31	142	219
E07000173	Gedling	Nottinghamshire	East Midlands	ENG	87.8	40.1	63.1	*143*	*71*	*214*	48	24	33	176	204
E07000174	Mansfield	Nottinghamshire	East Midlands	ENG	106.9	48.4	77.2	*160*	*74*	*234*	53	25	101	93	56
E07000175	Newark and Sherwood	Nottinghamshire	East Midlands	ENG	78.8	38.9	58.4	*142*	*72*	*214*	47	24	52	210	146
E06000018	Nottingham	Nottinghamshire	East Midlands	ENG	131.9	67.5	99.8	*392*	*202*	*594*	131	67	137	14	10
E07000176	Rushcliffe	Nottinghamshire	East Midlands	ENG	76.6	35.5	51.9	*127*	*49*	*176*	42	16	103	256	305
E07000177	Cherwell	Oxfordshire	South East	ENG	72.1	39.5	55.5	*138*	*78*	*216*	46	26	91	226	216
E07000178	Oxford	Oxfordshire	South East	ENG	95.1	36.4	64.9	*128*	*51*	*179*	43	17	76	167	186
E07000179	South Oxfordshire	Oxfordshire	South East	ENG	64.6	28.4	45.8	*124*	*60*	*184*	41	20	71	290	294
E07000180	Vale of White Horse	Oxfordshire	South East	ENG	56.3	30.2	43.0	*101*	*56*	*157*	34	19	78	299	297
E07000181	West Oxfordshire	Oxfordshire	South East	ENG	69.6	28.0	47.9	*107*	*47*	*154*	36	16	71	279	293
E06000017	Rutland	Rutland	East Midlands	ENG	57.2	-	43.4	*35*	*18*	*53*	12	6	255	297	295
E06000051	Shropshire	Shropshire	West Midlands	ENG	82.9	36.8	59.3	*422*	*194*	*616*	141	65	137	200	162
E06000020	Telford and Wrekin	Shropshire	West Midlands	ENG	117.4	57.9	87.0	*264*	*136*	*400*	88	45	115	52	98
E06000022	Bath and North East Somerset	Somerset	South West	ENG	76.4	26.8	50.7	*179*	*68*	*247*	60	23	228	266	268
E07000187	Mendip	Somerset	South West	ENG	80.7	28.7	53.8	*142*	*53*	*195*	47	18	59	239	167
E06000024	North Somerset	Somerset	South West	ENG	88.1	34.8	60.6	*277*	*121*	*398*	92	40	198	197	217
E07000188	Sedgemoor	Somerset	South West	ENG	85.9	38.5	61.8	*161*	*76*	*237*	54	25	72	187	119
E07000246	Somerset West and Taunton	Somerset	South West	ENG	77.4	32.9	54.4	*183*	*86*	*269*	61	29	58	235	139
E07000189	South Somerset	Somerset	South West	ENG	76.3	32.4	53.8	*203*	*90*	*293*	68	30	60	238	160
E07000192	Cannock Chase	Staffordshire	West Midlands	ENG	102.0	51.2	76.2	*140*	*72*	*212*	47	24	61	102	123
E07000193	East Staffordshire	Staffordshire	West Midlands	ENG	107.5	44.2	75.7	*173*	*72*	*245*	58	24	52	107	155
E07000194	Lichfield	Staffordshire	West Midlands	ENG	89.5	42.7	65.4	*143*	*75*	*218*	48	25	51	164	244
E07000195	Newcastle-under-Lyme	Staffordshire	West Midlands	ENG	115.9	41.1	77.9	*205*	*76*	*281*	68	25	65	91	148
E07000196	South Staffordshire	Staffordshire	West Midlands	ENG	83.9	38.9	60.8	*148*	*73*	*221*	49	24	79	194	231
E07000197	Stafford	Staffordshire	West Midlands	ENG	84.9	38.3	61.2	*172*	*81*	*253*	57	27	98	192	229
E07000198	Staffordshire Moorlands	Staffordshire	West Midlands	ENG	78.4	39.9	58.8	*128*	*67*	*195*	43	22	71	204	201
E06000021	Stoke-on-Trent	Staffordshire	West Midlands	ENG	127.9	56.1	91.7	*409*	*181*	*590*	136	60	176	33	15
E07000199	Tamworth	Staffordshire	West Midlands	ENG	93.3	48.2	70.2	*97*	*53*	*150*	32	18	82	136	122
E07000200	Babergh	Suffolk	East of England	ENG	69.2	27.3	47.5	*105*	*44*	*149*	35	15	73	281	208
E07000244	East Suffolk	Suffolk	East of England	ENG	83.8	39.0	60.7	*338*	*171*	*509*	113	57	74	196	156
E07000202	Ipswich	Suffolk	East of England	ENG	119.4	39.9	78.9	*192*	*66*	*258*	64	22	94	84	70
E07000203	Mid Suffolk	Suffolk	East of England	ENG	70.4	36.2	53.1	*118*	*61*	*179*	39	20	74	248	225
E07000245	West Suffolk	Suffolk	East of England	ENG	77.7	43.3	60.0	*185*	*111*	*296*	62	37	84	199	173
E07000207	Elmbridge	Surrey	South East	ENG	60.8	26.0	42.6	*102*	*47*	*149*	34	16	84	301	302
E07000208	Epsom and Ewell	Surrey	South East	ENG	69.2	-	41.5	*67*	*18*	*85*	22	6	65	304	291
E07000209	Guildford	Surrey	South East	ENG	54.1	32.0	42.8	*93*	*57*	*150*	31	19	50	300	288
E07000210	Mole Valley	Surrey	South East	ENG	63.6	26.5	40.5	*82*	*25*	*107*	27	8	50	306	286
E07000211	Reigate and Banstead	Surrey	South East	ENG	67.7	28.4	47.5	*125*	*55*	*180*	42	18	86	282	270
E07000212	Runnymede	Surrey	South East	ENG	80.5	32.0	54.8	*82*	*31*	*113*	27	10	60	232	250
E07000213	Spelthorne	Surrey	South East	ENG	88.4	39.7	63.5	*111*	*52*	*163*	37	17	50	172	198
E07000214	Surrey Heath	Surrey	South East	ENG	64.8	24.3	43.3	*76*	*28*	*104*	25	9	28	298	301
E07000215	Tandridge	Surrey	South East	ENG	80.3	32.9	52.8	*96*	*35*	*131*	32	12	50	250	252
E07000216	Waverley	Surrey	South East	ENG	64.6	21.9	42.6	*109*	*41*	*150*	36	14	36	302	304

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LA Code	LA/DC/UA	Ceremonial County (Eng/Wal)	Region/Nation	4N	Men	Women	Total	*Men*	*Women*	*Total*	Men	Women	Total	4N	4N
E07000217	Woking	Surrey	South East	ENG	63.2	30.2	46.7	*78*	*38*	*116*	26	13	60	285	275
E08000037	Gateshead	Tyne & Wear	North East	ENG	120.6	53.6	86.0	*320*	*152*	*472*	107	51	218	57	54
E08000021	Newcastle upon Tyne	Tyne & Wear	North East	ENG	121.6	54.5	87.9	*380*	*171*	*551*	127	57	218	47	73
E08000022	North Tyneside	Tyne & Wear	North East	ENG	107.0	50.9	77.8	*302*	*159*	*461*	101	53	227	92	125
E08000023	South Tyneside	Tyne & Wear	North East	ENG	127.0	56.1	90.3	*264*	*125*	*389*	88	42	206	37	26
E08000024	Sunderland	Tyne & Wear	North East	ENG	124.0	57.4	89.1	*463*	*236*	*699*	154	79	233	41	33
E07000218	North Warwickshire	Warwickshire	West Midlands	ENG	111.5	46.2	78.4	*109*	*47*	*156*	36	16	38	90	153
E07000219	Nuneaton and Bedworth	Warwickshire	West Midlands	ENG	119.5	54.7	86.5	*207*	*101*	*308*	69	34	54	55	100
E07000220	Rugby	Warwickshire	West Midlands	ENG	93.1	37.3	65.0	*129*	*54*	*183*	43	18	35	165	218
E07000221	Stratford-on-Avon	Warwickshire	West Midlands	ENG	78.2	30.5	53.7	*160*	*66*	*226*	53	22	44	241	253
E07000222	Warwick	Warwickshire	West Midlands	ENG	85.4	39.6	62.0	*152*	*74*	*226*	51	25	50	183	257
E08000025	Birmingham	West Midlands	West Midlands	ENG	131.9	57.3	93.5	*1,418*	*644*	*2,062*	473	215	205	27	6
E08000026	Coventry	West Midlands	West Midlands	ENG	119.1	44.0	80.7	*418*	*161*	*579*	139	54	345	77	80
E08000027	Dudley	West Midlands	West Midlands	ENG	103.3	50.0	76.2	*443*	*226*	*669*	148	75	184	103	103
E08000028	Sandwell	West Midlands	West Midlands	ENG	146.2	60.6	102.6	*517*	*222*	*739*	172	74	154	7	8
E08000029	Solihull	West Midlands	West Midlands	ENG	77.6	31.8	54.0	*224*	*101*	*325*	75	34	130	237	203
E08000030	Walsall	West Midlands	West Midlands	ENG	132.0	64.0	97.2	*441*	*225*	*666*	147	75	233	21	31
E08000031	Wolverhampton	West Midlands	West Midlands	ENG	160.7	58.4	108.2	*473*	*181*	*654*	158	60	687	4	19
E07000223	Adur	West Sussex	South East	ENG	77.5	45.7	60.7	*70*	*47*	*117*	23	16	39	195	161
E07000224	Arun	West Sussex	South East	ENG	104.0	34.5	67.3	*255*	*100*	*355*	85	33	52	152	147
E07000225	Chichester	West Sussex	South East	ENG	73.8	34.3	53.1	*135*	*73*	*208*	45	24	103	246	209
E07000226	Crawley	West Sussex	South East	ENG	88.1	40.4	63.5	*105*	*50*	*155*	35	17	61	171	133
E07000227	Horsham	West Sussex	South East	ENG	67.7	26.3	46.3	*142*	*59*	*201*	47	20	75	289	282
E07000228	Mid Sussex	West Sussex	South East	ENG	61.1	19.8	39.7	*123*	*44*	*167*	41	15	75	307	303
E07000229	Worthing	West Sussex	South East	ENG	100.7	33.5	65.6	*152*	*58*	*210*	51	19	39	162	171
E06000030	Swindon	Wiltshire	South West	ENG	103.1	49.7	75.9	*279*	*137*	*416*	93	46	82	105	168
E06000054	Wiltshire	Wiltshire	South West	ENG	78.8	33.3	55.4	*556*	*249*	*805*	185	83	407	227	227
E07000234	Bromsgrove	Worcestershire	West Midlands	ENG	78.8	31.4	54.8	*113*	*47*	*160*	38	16	118	231	265
E07000235	Malvern Hills	Worcestershire	West Midlands	ENG	54.0	38.9	46.5	*73*	*52*	*125*	24	17	69	288	184
E07000236	Redditch	Worcestershire	West Midlands	ENG	93.9	52.1	72.5	*109*	*62*	*171*	36	21	52	121	116
E07000237	Worcester	Worcestershire	West Midlands	ENG	128.6	48.0	87.6	*158*	*61*	*219*	53	20	67	50	157
E07000238	Wychavon	Worcestershire	West Midlands	ENG	75.0	31.7	52.9	*154*	*68*	*222*	51	23	56	249	188
E07000239	Wyre Forest	Worcestershire	West Midlands	ENG	116.7	37.9	76.4	*188*	*65*	*253*	63	22	70	100	112
E06000011	East Riding of Yorkshire	Yorkshire (East Riding)	Yorkshire & The Humber	ENG	93.3	39.5	65.6	*528*	*238*	*766*	176	79	74	160	213
E06000010	Kingston upon Hull, City of	Yorkshire (East Riding)	Yorkshire & The Humber	ENG	157.4	61.7	109.2	*472*	*187*	*659*	157	62	128	3	9
E07000163	Craven	Yorkshire (North Yorkshire)	Yorkshire & The Humber	ENG	67.0	35.0	50.3	*66*	*35*	*101*	22	12	79	269	235
E07000164	Hambleton	Yorkshire (North Yorkshire)	Yorkshire & The Humber	ENG	69.2	38.0	53.1	*105*	*62*	*167*	35	21	91	245	249
E07000165	Harrogate	Yorkshire (North Yorkshire)	Yorkshire & The Humber	ENG	76.9	30.7	53.1	*185*	*80*	*265*	62	27	119	244	271
E06000002	Middlesbrough	Yorkshire (North Yorkshire)	North East	ENG	139.8	65.1	101.1	*228*	*114*	*342*	76	38	82	13	16
E06000003	Redcar and Cleveland	Yorkshire (North Yorkshire)	North East	ENG	124.3	54.5	88.0	*245*	*117*	*362*	82	39	310	46	62
E07000166	Richmondshire	Yorkshire (North Yorkshire)	Yorkshire & The Humber	ENG	68.0	48.6	58.0	*53*	*39*	*92*	18	13	78	213	245
E07000167	Ryedale	Yorkshire (North Yorkshire)	Yorkshire & The Humber	ENG	68.5	34.2	50.9	*65*	*35*	*100*	22	12	85	263	177
E07000168	Scarborough	Yorkshire (North Yorkshire)	Yorkshire & The Humber	ENG	117.7	47.9	81.6	*209*	*94*	*303*	70	31	69	71	74
E07000169	Selby	Yorkshire (North Yorkshire)	Yorkshire & The Humber	ENG	87.3	31.2	58.8	*114*	*42*	*156*	38	14	34	203	246
E06000014	York	Yorkshire (North Yorkshire)	Yorkshire & The Humber	ENG	92.0	42.0	66.0	*230*	*114*	*344*	77	38	111	159	269
E08000016	Barnsley	Yorkshire (South Yorkshire)	Yorkshire & The Humber	ENG	120.4	59.4	89.5	*409*	*208*	*617*	136	69	287	39	38
E08000017	Doncaster	Yorkshire (South Yorkshire)	Yorkshire & The Humber	ENG	112.3	53.3	82.1	*467*	*231*	*698*	156	77	128	69	41
E08000018	Rotherham	Yorkshire (South Yorkshire)	Yorkshire & The Humber	ENG	113.7	54.6	83.7	*413*	*203*	*616*	138	68	378	64	50
E08000019	Sheffield	Yorkshire (South Yorkshire)	Yorkshire & The Humber	ENG	106.3	52.6	78.8	*680*	*356*	*1,036*	227	119	158	87	92
E08000032	Bradford	Yorkshire (West Yorkshire)	Yorkshire & The Humber	ENG	143.6	61.3	101.3	*843*	*377*	*1,220*	281	126	193	10	21
E08000033	Calderdale	Yorkshire (West Yorkshire)	Yorkshire & The Humber	ENG	114.1	49.0	81.1	*327*	*145*	*472*	109	48	223	74	75

Table 1.27 Age-standardised death rates per 100,000 and number of deaths for heart and circulatory diseases (CVD), under 75s by local authority, United Kingdom 2017/19

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					UNDER 75										
					Age standardised CVD death rates per 100,000 - 3 Year Average			*Total number of premature CVD deaths - 2017/19*			Average number of annual CVD deaths - 2017/19			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	4N
E08000034	Kirklees	Yorkshire (West Yorkshire)	Yorkshire & The Humber	ENG	105.7	59.4	82.2	*586*	*342*	*928*	195	114	246	68	86
E08000035	Leeds	Yorkshire (West Yorkshire)	Yorkshire & The Humber	ENG	116.2	50.7	82.4	*994*	*468*	*1,462*	331	156	108	67	91
E08000036	Wakefield	Yorkshire (West Yorkshire)	Yorkshire & The Humber	ENG	121.6	54.6	87.6	*573*	*266*	*839*	191	89	222	49	64
N09000001	Antrim and Newtownabbey		Northern Ireland	NI	94.0	37.2	64.9	*160*	*68*	*228*	53	23	118	7	10
N09000011	Ards and North Down		Northern Ireland	NI	80.0	37.0	57.7	*185*	*94*	*279*	62	31	98	11	9
N09000002	Armagh City, Banbridge and Craigavon		Northern Ireland	NI	93.6	50.4	71.8	*232*	*130*	*362*	77	43	81	4	7
N09000003	Belfast		Northern Ireland	NI	115.5	57.1	85.0	*413*	*222*	*635*	138	74	112	1	4
N09000004	Causeway Coast and Glens		Northern Ireland	NI	92.9	43.6	68.3	*177*	*84*	*261*	59	28	135	6	5
N09000005	Derry City and Strabane		Northern Ireland	NI	111.6	51.4	81.1	*199*	*94*	*293*	66	31	130	2	1
N09000006	Fermanagh and Omagh		Northern Ireland	NI	86.2	30.0	58.4	*127*	*44*	*171*	42	15	87	10	2
N09000007	Lisburn and Castlereagh		Northern Ireland	NI	78.8	43.0	60.3	*137*	*81*	*218*	46	27	76	9	11
N09000008	Mid and East Antrim		Northern Ireland	NI	103.1	43.2	72.5	*188*	*84*	*272*	63	28	121	3	8
N09000009	Mid Ulster		Northern Ireland	NI	93.1	45.4	69.5	*155*	*75*	*230*	52	25	212	5	6
N09000010	Newry, Mourne and Down		Northern Ireland	NI	91.3	35.1	62.8	*189*	*76*	*265*	63	25	87	8	3
S12000033	Aberdeen City		Scotland	SCO	132.3	70.3	100.8	*349*	*190*	*539*	116	63	21	9	26
S12000034	Aberdeenshire		Scotland	SCO	93.7	47.9	70.6	*350*	*184*	*534*	117	61	76	28	29
S12000041	Angus		Scotland	SCO	99.4	48.0	72.7	*177*	*92*	*269*	59	31	178	25	20
S12000035	Argyll and Bute		Scotland	SCO	114.6	50.9	82.0	*166*	*79*	*245*	55	26	18	21	15
S12000036	City of Edinburgh		Scotland	SCO	110.6	52.9	80.7	*617*	*314*	*931*	206	105	126	23	30
S12000005	Clackmannanshire		Scotland	SCO	123.7	70.2	96.0	*93*	*57*	*150*	31	19	57	11	8
S12000006	Dumfries and Galloway		Scotland	SCO	112.9	60.3	85.8	*276*	*155*	*431*	92	52	73	17	10
S12000042	Dundee City		Scotland	SCO	151.5	65.1	106.2	*263*	*125*	*388*	88	42	82	4	7
S12000008	East Ayrshire		Scotland	SCO	138.4	74.6	105.3	*243*	*139*	*382*	81	46	91	5	6
S12000045	East Dunbartonshire		Scotland	SCO	97.3	40.6	67.3	*148*	*70*	*218*	49	23	310	30	31
S12000010	East Lothian		Scotland	SCO	89.3	48.9	68.2	*131*	*79*	*210*	44	26	77	29	22
S12000011	East Renfrewshire		Scotland	SCO	84.8	36.6	59.4	*105*	*51*	*156*	35	17	88	31	32
S12000014	Falkirk		Scotland	SCO	140.9	63.7	101.1	*310*	*148*	*458*	103	49	50	7	16
S12000047	Fife		Scotland	SCO	119.2	61.1	89.1	*626*	*347*	*973*	209	116	157	14	14
S12000049	Glasgow City		Scotland	SCO	180.8	88.4	132.5	*1,171*	*616*	*1,787*	390	205	140	1	4
S12000017	Highland		Scotland	SCO	118.9	47.3	82.3	*426*	*178*	*604*	142	59	144	20	19
S12000018	Inverclyde		Scotland	SCO	168.2	71.1	116.8	*187*	*88*	*275*	62	29	127	2	3
S12000019	Midlothian		Scotland	SCO	109.4	61.4	84.4	*134*	*83*	*217*	45	28	70	18	18
S12000020	Moray		Scotland	SCO	104.2	60.6	81.5	*143*	*91*	*234*	48	30	52	22	23
S12000013	Na h-Eileanan Siar		Scotland	SCO	125.9	40.6	83.0	*58*	*18*	*76*	19	6	93	19	9
S12000021	North Ayrshire		Scotland	SCO	135.8	67.3	99.7	*276*	*150*	*426*	92	50	25	10	2
S12000050	North Lanarkshire		Scotland	SCO	140.5	65.1	100.8	*606*	*310*	*916*	202	103	90	8	5
S12000023	Orkney Islands		Scotland	SCO	119.9	52.3	86.3	*43*	*19*	*62*	14	6	153	16	25
S12000048	Perth and Kinross		Scotland	SCO	106.6	38.7	71.7	*241*	*95*	*336*	80	32	98	27	27
S12000038	Renfrewshire		Scotland	SCO	132.9	60.7	94.8	*313*	*157*	*470*	104	52	289	12	12
S12000026	Scottish Borders		Scotland	SCO	81.3	37.7	59.0	*155*	*73*	*228*	52	24	201	32	21
S12000027	Shetland Islands		Scotland	SCO	123.8	33.0	79.7	*42*	*11*	*53*	14	4	92	24	24
S12000028	South Ayrshire		Scotland	SCO	147.2	60.1	101.3	*259*	*118*	*377*	86	39	72	6	13
S12000029	South Lanarkshire		Scotland	SCO	132.8	58.3	94.0	*587*	*279*	*866*	196	93	78	13	11
S12000030	Stirling		Scotland	SCO	96.1	50.6	72.5	*119*	*68*	*187*	40	23	142	26	28
S12000039	West Dunbartonshire		Scotland	SCO	164.7	73.1	116.4	*198*	*97*	*295*	66	32	62	3	1
S12000040	West Lothian		Scotland	SCO	126.4	52.6	88.1	*289*	*130*	*419*	96	43	180	15	17
W06000003	Conwy	Clwyd	Wales / Cymru	WAL	93.3	48.6	69.4	*180*	*103*	*280*	60	34	324	19	14
W06000004	Denbighshire / Sir Ddinbych	Clwyd	Wales / Cymru	WAL	115.3	58.7	90.3	*176*	*94*	*279*	59	31	112	7	9
W06000005	Flintshire / Sir y Fflint	Clwyd	Wales / Cymru	WAL	103.0	40.7	72.3	*234*	*98*	*338*	78	33	596	16	18
W06000006	Wrexham / Wrecsam	Clwyd	Wales / Cymru	WAL	125.1	51.3	86.7	*236*	*101*	*333*	79	34	305	10	16
W06000010	Carmarthenshire / Sir Gaerfyrddin	Dyfed	Wales / Cymru	WAL	114.0	54.9	86.3	*331*	*172*	*515*	110	57	93	11	10

Table 1.27 Age-standardised death rates per 100,000 and number of deaths for heart and circulatory diseases (CVD), under 75s by local authority, United Kingdom 2017/19

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					UNDER 75										
					Age standardised CVD death rates per 100,000 - 3 Year Average			*Total number of premature CVD deaths - 2017/19*			Average number of annual CVD deaths - 2017/19			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	4N
W06000008	Ceredigion	Dyfed	Wales / Cymru	WAL	96.3	23.3	70.1	*113*	*30*	*165*	38	10	63	18	20
W06000009	Pembrokeshire / Sir Benfro	Dyfed	Wales / Cymru	WAL	97.8	43.6	74.2	*201*	*95*	*304*	67	32	90	15	13
W06000019	Blaenau Gwent	Gwent	Wales / Cymru	WAL	133.9	40.9	98.4	*132*	*41*	*196*	44	14	148	3	1
W06000018	Caerphilly / Caerffili	Gwent	Wales / Cymru	WAL	139.3	51.3	95.1	*341*	*134*	*480*	114	45	180	6	5
W06000021	Monmouthshire / Sir Fynwy	Gwent	Wales / Cymru	WAL	71.9	38.9	57.6	*111*	*64*	*180*	37	21	84	22	22
W06000022	Newport / Casnewydd	Gwent	Wales / Cymru	WAL	148.5	60.5	101.9	*275*	*119*	*388*	92	40	203	2	7
W06000020	Torfaen / Tor-faen	Gwent	Wales / Cymru	WAL	127.7	58.9	89.7	*164*	*81*	*238*	55	27	136	8	6
W06000002	Gwynedd	Gwynedd	Wales / Cymru	WAL	100.2	36.0	72.3	*186*	*70*	*269*	62	23	73	17	17
W06000001	Isle of Anglesey / Ynys Môn	Gwynedd	Wales / Cymru	WAL	106.8	58.1	81.1	*120*	*70*	*188*	40	23	129	13	11
W06000013	Bridgend / Pen-y-bont ar Ogwr	Mid Glamorgan / Morgannwg Ganol	Wales / Cymru	WAL	131.7	63.1	98.3	*264*	*138*	*409*	88	46	111	4	8
W06000024	Merthyr Tydfil / Merthyr Tudful	Mid Glamorgan / Morgannwg Ganol	Wales / Cymru	WAL	128.0	69.1	95.8	*103*	*59*	*158*	34	20	160	5	2
W06000016	Rhondda Cynon Taf / Rhondda Cynon Taf	Mid Glamorgan / Morgannwg Ganol	Wales / Cymru	WAL	125.3	50.9	89.5	*406*	*172*	*593*	135	57	172	9	4
W06000023	Powys	Powys	Wales / Cymru	WAL	92.7	40.4	66.5	*212*	*99*	*311*	71	33	198	20	21
W06000015	Cardiff / Caerdydd	South Glamorgan / De Morgannwg	Wales / Cymru	WAL	124.1	36.3	79.5	*459*	*140*	*609*	153	47	101	14	15
W06000014	Vale of Glamorgan / Bro Morgannwg	South Glamorgan / De Morgannwg	Wales / Cymru	WAL	91.3	41.0	65.3	*168*	*83*	*253*	56	28	55	21	19
W06000012	Neath Port Talbot / Castell-nedd Port Talbot	West Glamorgan / Gorllewin Morgannwg	Wales / Cymru	WAL	143.9	61.4	106.2	*290*	*135*	*444*	97	45	113	1	3
W06000011	Swansea / Abertawe	West Glamorgan / Gorllewin Morgannwg	Wales / Cymru	WAL	117.6	50.4	82.9	*364*	*173*	*540*	121	58	93	12	12

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.

- indicates number of deaths considered too small to calculate rate.

Average IMD ranks for Scotland, Wales, and Northern Ireland calculated in line with methodology for used for England

UK local authorities correct to February 2022 - The IMD rankings for Buckinghamshire, North Northamptonshire, and West Northamptonshire are crude averages of their respective pre-2020 and pre-2021 local authority areas.
City of London and Isles of Scilly excluded from IMD and ASDR analysis for England - *sui generis* status (small population)

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

Source:

England: Number of Deaths are taken from NOMIS Mortality Statistics https://www.nomisweb.co.uk/datasets/mortsa

Wales: Number of Deaths are taken from NOMIS Mortality Statistics 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: Average IMD ranks taken from 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 1.28 Age-standardised death rates per 100,000 and number of deaths for coronary heart disease (CHD), all ages by local authority, United Kingdom 2017/19

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					ALL AGES										
					Age standardised CHD death rates per 100,000 - 3 Year Average			*Total number of CHD deaths 2017/19*			Average number of annual CHD deaths for 2017/19			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	4N
E06000055	Bedford	Bedfordshire	East of England	ENG	129.7	48.1	85.1	*279*	*134*	*413*	93	45	138	219	154
E06000056	Central Bedfordshire	Bedfordshire	East of England	ENG	120.6	54.3	85.1	*421*	*230*	*651*	140	77	217	220	258
E06000032	Luton	Bedfordshire	East of England	ENG	147.3	59.3	98.8	*289*	*144*	*433*	96	48	144	129	52
E06000036	Bracknell Forest	Berkshire	South East	ENG	126.7	42.0	79.6	*155*	*65*	*220*	52	22	73	251	276
E06000038	Reading	Berkshire	South East	ENG	104.5	63.8	83.6	*159*	*124*	*283*	53	41	94	228	138
E06000039	Slough	Berkshire	South East	ENG	181.6	91.6	132.3	*203*	*125*	*328*	68	42	109	18	72
E06000037	West Berkshire	Berkshire	South East	ENG	109.1	39.3	70.5	*219*	*101*	*320*	73	34	107	290	281
E06000040	Windsor and Maidenhead	Berkshire	South East	ENG	109.4	59.2	81.6	*217*	*161*	*378*	72	54	126	237	296
E06000041	Wokingham	Berkshire	South East	ENG	107.8	46.2	73.1	*216*	*128*	*344*	72	43	115	282	306
E06000023	Bristol, City of	Bristol	South West	ENG	136.6	52.9	89.6	*569*	*305*	*874*	190	102	291	186	81
E06000060	Buckinghamshire	Buckinghamshire	South East	ENG	120.0	47.0	79.0	*818*	*473*	*1,291*	273	158	430	255	284
E06000042	Milton Keynes	Buckinghamshire	South East	ENG	117.1	50.1	79.4	*291*	*160*	*451*	97	53	150	252	169
E07000008	Cambridge	Cambridgeshire	East of England	ENG	115.3	49.9	80.0	*139*	*86*	*225*	46	29	75	248	202
E07000009	East Cambridgeshire	Cambridgeshire	East of England	ENG	152.9	59.7	99.0	*176*	*98*	*274*	59	33	91	127	260
E07000010	Fenland	Cambridgeshire	East of England	ENG	161.8	69.4	110.1	*248*	*141*	*389*	83	47	130	78	51
E07000011	Huntingdonshire	Cambridgeshire	East of England	ENG	111.9	52.7	80.8	*266*	*161*	*427*	89	54	142	243	241
E06000031	Peterborough	Cambridgeshire	East of England	ENG	165.9	84.3	120.6	*340*	*231*	*571*	113	77	190	36	53
E07000012	South Cambridgeshire	Cambridgeshire	East of England	ENG	117.0	63.8	87.5	*240*	*185*	*425*	80	62	142	206	292
E06000049	Cheshire East	Cheshire	North West	ENG	141.2	55.0	93.6	*820*	*437*	*1,257*	273	146	419	159	224
E06000050	Cheshire West and Chester	Cheshire	North West	ENG	128.5	58.2	89.2	*616*	*374*	*990*	205	125	330	188	180
E06000006	Halton	Cheshire	North West	ENG	180.5	76.9	123.4	*269*	*139*	*408*	90	46	136	29	39
E06000007	Warrington	Cheshire	North West	ENG	167.9	72.0	114.0	*427*	*241*	*668*	142	80	223	61	172
E06000052	Cornwall	Cornwall	South West	ENG	155.0	70.7	107.7	*1,370*	*858*	*2,228*	457	286	743	90	82
E06000053	Isles of Scilly	Cornwall	South West	ENG	-	-	-	-	-	-	-	-	-	n/a	n/a
E06000047	County Durham	County Durham	North East	ENG	165.0	80.2	117.7	*1,141*	*721*	*1,862*	380	240	621	44	65
E06000005	Darlington	County Durham	North East	ENG	135.8	75.5	102.9	*193*	*149*	*342*	64	50	114	110	102
E06000001	Hartlepool	County Durham	North East	ENG	178.7	70.4	118.2	*216*	*112*	*328*	72	37	109	42	25
E06000004	Stockton-on-Tees	County Durham	North East	ENG	147.9	72.4	106.7	*360*	*224*	*584*	120	75	195	94	111
E07000026	Allerdale	Cumbria	North West	ENG	152.4	77.6	112.6	*240*	*160*	*400*	80	53	133	66	107
E07000027	Barrow-in-Furness	Cumbria	North West	ENG	164.2	76.2	116.9	*160*	*90*	*250*	53	30	83	49	44
E07000028	Carlisle	Cumbria	North West	ENG	187.5	77.6	125.7	*288*	*161*	*449*	96	54	150	27	113
E07000029	Copeland	Cumbria	North West	ENG	213.1	86.9	140.0	*211*	*108*	*319*	70	36	106	12	77
E07000030	Eden	Cumbria	North West	ENG	140.5	60.7	93.3	*124*	*75*	*199*	41	25	66	163	166
E07000031	South Lakeland	Cumbria	North West	ENG	133.9	48.8	87.0	*260*	*135*	*395*	87	45	132	210	238
E07000032	Amber Valley	Derbyshire	East Midlands	ENG	143.5	62.8	98.6	*255*	*152*	*407*	85	51	136	131	164
E07000033	Bolsover	Derbyshire	East Midlands	ENG	169.5	76.3	115.5	*167*	*103*	*270*	56	34	90	53	58
E07000034	Chesterfield	Derbyshire	East Midlands	ENG	171.3	60.6	107.8	*241*	*121*	*362*	80	40	121	88	85
E06000015	Derby	Derbyshire	East Midlands	ENG	158.4	71.3	109.9	*458*	*296*	*754*	153	99	251	79	89
E07000035	Derbyshire Dales	Derbyshire	East Midlands	ENG	144.2	51.4	90.5	*173*	*88*	*261*	58	29	87	184	259
E07000036	Erewash	Derbyshire	East Midlands	ENG	143.6	62.7	98.7	*226*	*136*	*362*	75	45	121	130	165
E07000037	High Peak	Derbyshire	East Midlands	ENG	145.6	59.9	96.7	*175*	*98*	*273*	58	33	91	139	199
E07000038	North East Derbyshire	Derbyshire	East Midlands	ENG	145.7	73.0	106.4	*230*	*145*	*375*	77	48	125	95	174
E07000039	South Derbyshire	Derbyshire	East Midlands	ENG	143.1	48.4	89.0	*172*	*75*	*247*	57	25	82	192	214
E07000040	East Devon	Devon	South West	ENG	117.4	48.6	78.8	*343*	*214*	*557*	114	71	186	257	234
E07000041	Exeter	Devon	South West	ENG	138.0	48.6	84.7	*183*	*107*	*290*	61	36	97	222	190
E07000042	Mid Devon	Devon	South West	ENG	140.5	49.5	90.7	*178*	*85*	*263*	59	28	88	183	159
E07000043	North Devon	Devon	South West	ENG	132.6	65.1	95.3	*209*	*146*	*355*	70	49	118	144	121
E06000026	Plymouth	Devon	South West	ENG	149.2	73.5	108.3	*487*	*318*	*805*	162	106	268	87	71
E07000044	South Hams	Devon	South West	ENG	124.6	44.6	80.6	*192*	*91*	*283*	64	30	94	245	215
E07000045	Teignbridge	Devon	South West	ENG	132.2	46.6	84.5	*295*	*161*	*456*	98	54	152	224	183

Table 1.28 Age-standardised death rates per 100,000 and number of deaths for coronary heart disease (CHD), all ages by local authority, United Kingdom 2017/19

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					ALL AGES										
					Age standardised CHD death rates per 100,000 - 3 Year Average			Total number of CHD deaths 2017/19			Average number of annual CHD deaths for 2017/19			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	4N
E06000027	Torbay	Devon	South West	ENG	146.5	64.1	100.4	340	210	550	113	70	183	118	48
E07000046	Torridge	Devon	South West	ENG	167.7	69.4	113.3	198	106	304	66	35	101	62	67
E07000047	West Devon	Devon	South West	ENG	146.0	55.5	94.6	141	75	216	47	25	72	150	136
E06000058	Bournemouth, Christchurch and Poole	Dorset	South West	ENG	132.9	60.7	92.1	783	528	1,311	261	176	437	170	163
E06000059	Dorset	Dorset	South West	ENG	119.6	52.9	83.1	852	534	1,386	284	178	462	232	194
E06000043	Brighton and Hove	East Sussex	South East	ENG	125.2	54.1	87.1	353	217	570	118	72	190	208	137
E07000061	Eastbourne	East Sussex	South East	ENG	110.0	49.2	76.2	195	144	339	65	48	113	272	104
E07000062	Hastings	East Sussex	South East	ENG	147.8	64.8	103.0	182	113	295	61	38	98	109	13
E07000063	Lewes	East Sussex	South East	ENG	89.1	41.5	62.5	156	116	272	52	39	91	302	191
E07000064	Rother	East Sussex	South East	ENG	123.3	56.7	85.6	248	172	420	83	57	140	217	132
E07000065	Wealden	East Sussex	South East	ENG	111.6	44.1	74.3	306	177	483	102	59	161	277	248
E07000066	Basildon	Essex	East of England	ENG	149.4	66.9	102.6	313	198	511	104	66	170	113	109
E07000067	Braintree	Essex	East of England	ENG	133.1	48.3	85.0	267	132	399	89	44	133	221	200
E07000068	Brentwood	Essex	East of England	ENG	140.1	53.3	91.2	152	88	240	51	29	80	178	279
E07000069	Castle Point	Essex	East of England	ENG	131.6	59.8	92.3	185	114	299	62	38	100	168	179
E07000070	Chelmsford	Essex	East of England	ENG	107.5	50.7	75.4	248	155	403	83	52	134	274	254
E07000071	Colchester	Essex	East of England	ENG	117.1	63.5	87.4	252	187	439	84	62	146	207	178
E07000072	Epping Forest	Essex	East of England	ENG	125.7	57.7	88.6	224	148	372	75	49	124	198	197
E07000073	Harlow	Essex	East of England	ENG	162.9	72.8	112.8	148	99	247	49	33	82	65	99
E07000074	Maldon	Essex	East of England	ENG	122.6	68.2	92.3	124	91	215	41	30	72	169	207
E07000075	Rochford	Essex	East of England	ENG	115.4	51.0	79.6	149	91	240	50	30	80	250	278
E06000033	Southend-on-Sea	Essex	East of England	ENG	138.9	59.1	94.0	333	206	539	111	69	180	157	126
E07000076	Tendring	Essex	East of England	ENG	155.0	64.4	104.3	426	248	674	142	83	225	101	32
E06000034	Thurrock	Essex	East of England	ENG	166.7	72.0	112.1	257	144	401	86	48	134	69	114
E07000077	Uttlesford	Essex	East of England	ENG	124.1	47.4	81.2	146	80	226	49	27	75	240	287
E07000078	Cheltenham	Gloucestershire	South West	ENG	150.7	67.6	103.7	235	151	386	78	50	129	104	233
E07000079	Cotswold	Gloucestershire	South West	ENG	122.3	51.7	83.0	185	108	293	62	36	98	233	266
E07000080	Forest of Dean	Gloucestershire	South West	ENG	151.4	67.0	102.7	196	116	312	65	39	104	111	140
E07000081	Gloucester	Gloucestershire	South West	ENG	201.3	80.2	132.0	289	163	452	96	54	151	19	135
E06000025	South Gloucestershire	Gloucestershire	South West	ENG	111.7	51.1	77.9	396	248	644	132	83	215	263	261
E07000082	Stroud	Gloucestershire	South West	ENG	146.8	64.1	99.5	238	148	386	79	49	129	124	272
E07000083	Tewkesbury	Gloucestershire	South West	ENG	148.6	59.8	98.4	196	115	311	65	38	104	132	255
E09000002	Barking and Dagenham	Greater London	London	ENG	145.1	66.4	99.5	213	134	347	71	45	116	123	5
E09000003	Barnet	Greater London	London	ENG	120.9	52.2	82.2	487	298	785	162	99	262	235	181
E09000004	Bexley	Greater London	London	ENG	134.9	53.4	88.1	370	227	597	123	76	199	201	187
E09000005	Brent	Greater London	London	ENG	139.5	68.1	100.3	413	248	661	138	83	220	120	49
E09000006	Bromley	Greater London	London	ENG	118.8	46.8	77.2	465	269	734	155	90	245	267	226
E09000007	Camden	Greater London	London	ENG	111.7	43.7	74.0	244	125	369	81	42	123	278	129
E09000001	City of London	Greater London	London	ENG	-	-	-	-	-	-	-	-	-	n/a	n/a
E09000008	Croydon	Greater London	London	ENG	132.1	53.3	88.0	488	261	749	163	87	250	203	101
E09000009	Ealing	Greater London	London	ENG	133.0	62.8	95.1	427	250	677	142	83	226	146	87
E09000010	Enfield	Greater London	London	ENG	135.7	51.9	88.9	424	224	648	141	75	216	197	59
E09000011	Greenwich	Greater London	London	ENG	133.2	60.0	92.9	297	166	463	99	55	154	165	60
E09000012	Hackney	Greater London	London	ENG	155.7	69.1	109.2	262	126	388	87	42	129	82	7
E09000013	Hammersmith and Fulham	Greater London	London	ENG	135.3	57.2	90.9	188	103	291	63	34	97	182	95
E09000014	Haringey	Greater London	London	ENG	127.3	66.8	94.2	256	162	418	85	54	139	154	37
E09000015	Harrow	Greater London	London	ENG	126.3	66.4	94.1	362	243	605	121	81	202	156	196
E09000016	Havering	Greater London	London	ENG	136.9	57.9	91.4	420	279	699	140	93	233	176	176
E09000017	Hillingdon	Greater London	London	ENG	154.5	71.4	110.2	468	270	738	156	90	246	77	149
E09000018	Hounslow	Greater London	London	ENG	178.6	74.2	120.4	399	208	607	133	69	202	38	94

Table 1.28 Age-standardised death rates per 100,000 and number of deaths for coronary heart disease (CHD), all ages by local authority, United Kingdom 2017/19

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					ALL AGES										
					Age standardised CHD death rates per 100,000 - 3 Year Average			*Total number of CHD deaths 2017/19*			Average number of annual CHD deaths for 2017/19			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	4N
E09000019	Islington	Greater London	London	ENG	140.1	77.3	106.7	*217*	*141*	*358*	72	47	119	93	28
E09000020	Kensington and Chelsea	Greater London	London	ENG	80.5	34.8	56.1	*142*	*71*	*213*	47	24	71	307	120
E09000021	Kingston upon Thames	Greater London	London	ENG	143.1	51.7	91.6	*236*	*129*	*365*	79	43	122	174	264
E09000022	Lambeth	Greater London	London	ENG	157.7	57.1	102.0	*321*	*141*	*462*	107	47	154	116	42
E09000023	Lewisham	Greater London	London	ENG	155.4	56.4	99.1	*328*	*154*	*482*	109	51	161	126	35
E09000024	Merton	Greater London	London	ENG	129.1	51.5	84.7	*232*	*129*	*361*	77	43	120	223	210
E09000025	Newham	Greater London	London	ENG	152.6	70.6	108.6	*332*	*165*	*497*	111	55	166	86	12
E09000026	Redbridge	Greater London	London	ENG	131.3	57.8	91.0	*367*	*207*	*574*	122	69	191	179	158
E09000027	Richmond upon Thames	Greater London	London	ENG	123.3	42.9	76.6	*248*	*132*	*380*	83	44	127	271	289
E09000028	Southwark	Greater London	London	ENG	125.6	51.3	84.0	*240*	*130*	*370*	80	43	123	226	43
E09000029	Sutton	Greater London	London	ENG	106.5	45.3	72.6	*231*	*141*	*372*	77	47	124	283	223
E09000030	Tower Hamlets	Greater London	London	ENG	156.1	66.8	108.9	*248*	*116*	*364*	83	39	121	84	27
E09000031	Waltham Forest	Greater London	London	ENG	137.6	59.2	94.1	*313*	*160*	*473*	104	53	158	155	45
E09000032	Wandsworth	Greater London	London	ENG	133.7	58.2	90.9	*285*	*167*	*452*	95	56	151	181	170
E09000033	Westminster	Greater London	London	ENG	80.3	39.0	58.6	*188*	*104*	*292*	63	35	97	305	131
E08000001	Bolton	Greater Manchester	North West	ENG	178.1	78.7	124.2	*597*	*324*	*921*	199	108	307	28	47
E08000002	Bury	Greater Manchester	North West	ENG	164.7	85.2	120.5	*374*	*254*	*628*	125	85	209	37	108
E08000003	Manchester	Greater Manchester	North West	ENG	230.1	115.2	166.0	*840*	*538*	*1,378*	280	179	459	1	2
E08000004	Oldham	Greater Manchester	North West	ENG	195.3	103.3	145.0	*495*	*340*	*835*	165	113	278	9	29
E08000005	Rochdale	Greater Manchester	North West	ENG	195.0	102.9	144.5	*474*	*321*	*795*	158	107	265	10	17
E08000006	Salford	Greater Manchester	North West	ENG	167.1	72.1	115.9	*433*	*233*	*666*	144	78	222	51	20
E08000007	Stockport	Greater Manchester	North West	ENG	158.9	81.2	117.0	*634*	*437*	*1,071*	211	146	357	48	152
E08000008	Tameside	Greater Manchester	North West	ENG	205.5	113.4	156.4	*541*	*371*	*912*	180	124	304	2	23
E08000009	Trafford	Greater Manchester	North West	ENG	157.4	72.6	110.5	*446*	*289*	*735*	149	96	245	74	205
E08000010	Wigan	Greater Manchester	North West	ENG	166.5	76.1	117.1	*668*	*368*	*1,036*	223	123	345	47	96
E07000084	Basingstoke and Deane	Hampshire	South East	ENG	132.0	60.1	92.5	*269*	*155*	*424*	90	52	141	167	240
E07000085	East Hampshire	Hampshire	South East	ENG	102.4	48.9	72.0	*189*	*133*	*322*	63	44	107	286	277
E07000086	Eastleigh	Hampshire	South East	ENG	124.0	55.2	86.2	*216*	*136*	*352*	72	45	117	212	280
E07000087	Fareham	Hampshire	South East	ENG	122.8	48.9	80.3	*219*	*125*	*344*	73	42	115	247	290
E07000088	Gosport	Hampshire	South East	ENG	136.1	63.5	97.2	*159*	*99*	*258*	53	33	86	136	127
E07000089	Hart	Hampshire	South East	ENG	85.5	34.2	57.1	*109*	*59*	*168*	36	20	56	306	307
E07000090	Havant	Hampshire	South East	ENG	128.3	53.5	86.0	*254*	*146*	*400*	85	49	133	213	130
E07000091	New Forest	Hampshire	South East	ENG	112.7	46.2	74.9	*403*	*248*	*651*	134	83	217	275	237
E06000044	Portsmouth	Hampshire	South East	ENG	161.0	77.5	114.2	*336*	*221*	*557*	112	74	186	60	57
E07000092	Rushmoor	Hampshire	South East	ENG	120.7	52.6	83.2	*119*	*64*	*183*	40	21	61	231	193
E06000045	Southampton	Hampshire	South East	ENG	150.9	64.1	103.4	*353*	*205*	*558*	118	68	186	107	55
E07000093	Test Valley	Hampshire	South East	ENG	113.8	54.9	80.4	*198*	*136*	*334*	66	45	111	246	256
E07000094	Winchester	Hampshire	South East	ENG	110.9	52.6	78.9	*201*	*141*	*342*	67	47	114	256	285
E06000019	Herefordshire, County of	Herefordshire	West Midlands	ENG	149.0	67.2	103.6	*454*	*279*	*733*	151	93	244	105	134
E07000095	Broxbourne	Hertfordshire	East of England	ENG	143.4	66.6	99.9	*162*	*107*	*269*	54	36	90	121	151
E07000096	Dacorum	Hertfordshire	East of England	ENG	113.0	53.2	79.2	*207*	*141*	*348*	69	47	116	254	236
E07000242	East Hertfordshire	Hertfordshire	East of England	ENG	126.4	46.1	81.0	*230*	*114*	*344*	77	38	115	242	299
E07000098	Hertsmere	Hertfordshire	East of England	ENG	122.5	46.4	78.6	*159*	*88*	*247*	53	29	82	258	220
E07000099	North Hertfordshire	Hertfordshire	East of England	ENG	134.9	54.7	89.5	*234*	*136*	*370*	78	45	123	187	263
E07000240	St Albans	Hertfordshire	East of England	ENG	99.6	38.6	65.4	*177*	*100*	*277*	59	33	92	300	298
E07000243	Stevenage	Hertfordshire	East of England	ENG	143.3	53.5	93.5	*132*	*72*	*204*	44	24	68	160	115
E07000102	Three Rivers	Hertfordshire	East of England	ENG	132.0	47.4	82.8	*153*	*82*	*235*	51	27	78	234	283
E07000103	Watford	Hertfordshire	East of England	ENG	151.9	56.0	94.7	*129*	*69*	*198*	43	23	66	149	192
E07000241	Welwyn Hatfield	Hertfordshire	East of England	ENG	126.5	62.9	91.0	*171*	*117*	*288*	57	39	96	180	211
E06000046	Isle of Wight	Isle of Wight	South East	ENG	141.0	59.1	97.2	*360*	*216*	*576*	120	72	192	137	79

Table 1.28 Age-standardised death rates per 100,000 and number of deaths for coronary heart disease (CHD), all ages by local authority, United Kingdom 2017/19

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					ALL AGES										
					Age standardised CHD death rates per 100,000 - 3 Year Average			*Total number of CHD deaths 2017/19*			Average number of annual CHD deaths for 2017/19			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	4N
E07000105	Ashford	Kent	South East	ENG	104.6	48.1	73.7	*174*	*106*	*280*	58	35	93	279	150
E07000106	Canterbury	Kent	South East	ENG	127.1	57.6	88.2	*277*	*194*	*471*	92	65	157	200	182
E07000107	Dartford	Kent	South East	ENG	129.7	57.9	89.9	*146*	*83*	*229*	49	28	76	185	143
E07000108	Dover	Kent	South East	ENG	120.2	56.9	85.2	*216*	*132*	*348*	72	44	116	218	105
E07000112	Folkestone and Hythe (Shepway)	Kent	South East	ENG	130.1	54.4	88.4	*236*	*137*	*373*	79	46	124	199	83
E07000109	Gravesham	Kent	South East	ENG	140.4	55.4	94.4	*182*	*93*	*275*	61	31	92	153	117
E07000110	Maidstone	Kent	South East	ENG	111.3	49.2	76.6	*238*	*143*	*381*	79	48	127	270	185
E06000035	Medway	Kent	South East	ENG	135.2	58.9	91.6	*383*	*221*	*604*	128	74	201	173	97
E07000111	Sevenoaks	Kent	South East	ENG	111.3	36.4	69.7	*192*	*89*	*281*	64	30	94	292	247
E07000113	Swale	Kent	South East	ENG	135.2	62.7	94.5	*242*	*148*	*390*	81	49	130	151	69
E07000114	Thanet	Kent	South East	ENG	165.6	60.7	106.0	*348*	*187*	*535*	116	62	178	99	34
E07000115	Tonbridge and Malling	Kent	South East	ENG	136.4	47.2	85.8	*220*	*103*	*323*	73	34	108	215	232
E07000116	Tunbridge Wells	Kent	South East	ENG	96.5	43.6	66.9	*155*	*95*	*250*	52	32	83	299	267
E06000008	Blackburn with Darwen	Lancashire	North West	ENG	202.7	98.4	146.8	*303*	*176*	*479*	101	59	160	7	14
E06000009	Blackpool	Lancashire	North West	ENG	205.9	97.5	146.3	*399*	*242*	*641*	133	81	214	8	1
E07000117	Burnley	Lancashire	North West	ENG	168.5	89.4	122.6	*176*	*125*	*301*	59	42	100	32	11
E07000118	Chorley	Lancashire	North West	ENG	178.0	82.9	126.1	*264*	*153*	*417*	88	51	139	26	189
E07000119	Fylde	Lancashire	North West	ENG	155.5	68.6	106.0	*217*	*140*	*357*	72	47	119	98	195
E07000120	Hyndburn	Lancashire	North West	ENG	195.6	104.5	147.4	*193*	*131*	*324*	64	44	108	5	18
E07000121	Lancaster	Lancashire	North West	ENG	160.8	78.3	115.1	*307*	*200*	*507*	102	67	169	54	110
E07000122	Pendle	Lancashire	North West	ENG	203.0	92.6	142.0	*231*	*129*	*360*	77	43	120	11	36
E07000123	Preston	Lancashire	North West	ENG	175.9	76.1	122.5	*260*	*142*	*402*	87	47	134	33	46
E07000124	Ribble Valley	Lancashire	North West	ENG	145.3	72.9	107.7	*139*	*94*	*233*	46	31	78	89	274
E07000125	Rossendale	Lancashire	North West	ENG	175.4	102.9	133.9	*149*	*111*	*260*	50	37	87	15	90
E07000126	South Ribble	Lancashire	North West	ENG	151.5	65.0	102.5	*228*	*129*	*357*	76	43	119	114	206
E07000127	West Lancashire	Lancashire	North West	ENG	152.8	80.7	112.5	*245*	*177*	*422*	82	59	141	67	175
E07000128	Wyre	Lancashire	North West	ENG	165.8	72.0	114.9	*334*	*194*	*528*	111	65	176	56	145
E07000129	Blaby	Leicestershire	East Midlands	ENG	124.8	49.3	80.6	*160*	*90*	*250*	53	30	83	244	273
E07000130	Charnwood	Leicestershire	East Midlands	ENG	121.7	59.2	86.7	*267*	*171*	*438*	89	57	146	211	239
E07000131	Harborough	Leicestershire	East Midlands	ENG	124.1	44.0	78.0	*160*	*79*	*239*	53	26	80	261	300
E07000132	Hinckley and Bosworth	Leicestershire	East Midlands	ENG	133.7	51.9	87.9	*209*	*109*	*318*	70	36	106	205	228
E06000016	Leicester	Leicestershire	East Midlands	ENG	192.2	79.6	129.9	*580*	*313*	*893*	193	104	298	23	22
E07000133	Melton	Leicestershire	East Midlands	ENG	130.9	37.3	77.9	*99*	*36*	*135*	33	12	45	264	242
E07000134	North West Leicestershire	Leicestershire	East Midlands	ENG	134.3	71.4	98.2	*172*	*121*	*293*	57	40	98	134	212
E07000135	Oadby and Wigston	Leicestershire	East Midlands	ENG	113.3	47.7	77.0	*97*	*61*	*158*	32	20	53	268	243
E07000136	Boston	Lincolnshire	East Midlands	ENG	191.3	78.9	130.7	*182*	*103*	*285*	61	34	95	21	84
E07000137	East Lindsey	Lincolnshire	East Midlands	ENG	158.3	77.6	115.0	*429*	*248*	*677*	143	83	226	55	30
E07000138	Lincoln	Lincolnshire	East Midlands	ENG	168.0	81.6	120.2	*170*	*121*	*291*	57	40	97	39	68
E06000012	North East Lincolnshire	Lincolnshire	Yorkshire & The Humber	ENG	191.0	77.0	127.4	*412*	*224*	*636*	137	75	212	24	66
E07000139	North Kesteven	Lincolnshire	East Midlands	ENG	147.6	61.6	100.4	*264*	*140*	*404*	88	47	135	119	262
E06000013	North Lincolnshire	Lincolnshire	Yorkshire & The Humber	ENG	166.9	66.5	109.2	*376*	*210*	*586*	125	70	195	81	118
E07000140	South Holland	Lincolnshire	East Midlands	ENG	157.1	57.7	103.4	*242*	*113*	*355*	81	38	118	108	141
E07000141	South Kesteven	Lincolnshire	East Midlands	ENG	139.0	57.3	93.3	*289*	*163*	*452*	96	54	151	162	230
E07000142	West Lindsey	Lincolnshire	East Midlands	ENG	129.1	67.6	95.6	*190*	*124*	*314*	63	41	105	142	144
E08000011	Knowsley	Merseyside	North West	ENG	172.7	83.7	122.8	*302*	*194*	*496*	101	65	165	31	3
E08000012	Liverpool	Merseyside	North West	ENG	171.4	70.0	115.7	*869*	*443*	*1,312*	290	148	437	52	4
E08000014	Sefton	Merseyside	North West	ENG	144.1	57.3	93.8	*599*	*343*	*942*	200	114	314	158	88
E08000013	St. Helens	Merseyside	North West	ENG	160.0	77.6	114.4	*386*	*234*	*620*	129	78	207	59	40
E08000015	Wirral	Merseyside	North West	ENG	133.4	58.9	91.8	*610*	*377*	*987*	203	126	329	172	76
E07000143	Breckland	Norfolk	East of England	ENG	139.5	56.1	91.6	*312*	*174*	*486*	104	58	162	175	124

Table 1.28 Age-standardised death rates per 100,000 and number of deaths for coronary heart disease (CHD), all ages by local authority, United Kingdom 2017/19

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					ALL AGES										
					Age standardised CHD death rates per 100,000 - 3 Year Average			*Total number of CHD deaths 2017/19*			Average number of annual CHD deaths for 2017/19			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	4N
E07000144	Broadland	Norfolk	East of England	ENG	131.7	53.2	88.0	*287*	*168*	*455*	96	56	152	202	251
E07000145	Great Yarmouth	Norfolk	East of England	ENG	169.8	63.5	110.3	*264*	*133*	*397*	88	44	132	76	24
E07000146	King's Lynn and West Norfolk	Norfolk	East of England	ENG	124.6	67.4	93.5	*315*	*225*	*540*	105	75	180	161	78
E07000147	North Norfolk	Norfolk	East of England	ENG	128.2	58.9	88.9	*289*	*191*	*480*	96	64	160	195	93
E07000148	Norwich	Norfolk	East of England	ENG	167.9	74.1	117.2	*248*	*158*	*406*	83	53	135	45	61
E07000149	South Norfolk	Norfolk	East of England	ENG	113.6	51.1	79.2	*248*	*152*	*400*	83	51	133	253	221
E06000061	North Northamptonshire	Northamptonshire	East Midlands	ENG	133.7	53.5	88.9	*557*	*287*	*844*	186	96	281	196	142
E06000062	West Northamptonshire	Northamptonshire	East Midlands	ENG	122.7	59.5	89.1	*590*	*360*	*950*	197	120	317	190	222
E06000057	Northumberland	Northumberland	North East	ENG	135.7	60.0	94.4	*692*	*389*	*1,081*	231	130	360	152	128
E07000170	Ashfield	Nottinghamshire	East Midlands	ENG	158.4	79.2	114.7	*248*	*156*	*404*	83	52	135	57	63
E07000171	Bassetlaw	Nottinghamshire	East Midlands	ENG	155.5	71.2	109.6	*263*	*152*	*415*	88	51	138	80	106
E07000172	Broxtowe	Nottinghamshire	East Midlands	ENG	152.2	64.8	104.4	*238*	*137*	*375*	79	46	125	100	219
E07000173	Gedling	Nottinghamshire	East Midlands	ENG	134.4	65.0	95.5	*209*	*136*	*345*	70	45	115	143	204
E07000174	Mansfield	Nottinghamshire	East Midlands	ENG	161.2	62.9	106.1	*222*	*114*	*336*	74	38	112	97	56
E07000175	Newark and Sherwood	Nottinghamshire	East Midlands	ENG	130.9	65.9	95.3	*227*	*148*	*375*	76	49	125	145	146
E06000018	Nottingham	Nottinghamshire	East Midlands	ENG	182.8	73.8	122.1	*496*	*270*	*766*	165	90	255	35	10
E07000176	Rushcliffe	Nottinghamshire	East Midlands	ENG	137.7	54.8	91.4	*226*	*130*	*356*	75	43	119	177	305
E07000177	Cherwell	Oxfordshire	South East	ENG	92.3	46.1	68.0	*177*	*112*	*289*	59	37	96	296	216
E07000178	Oxford	Oxfordshire	South East	ENG	116.7	47.0	78.1	*158*	*86*	*244*	53	29	81	259	186
E07000179	South Oxfordshire	Oxfordshire	South East	ENG	105.3	37.6	67.7	*212*	*104*	*316*	71	35	105	297	294
E07000180	Vale of White Horse	Oxfordshire	South East	ENG	104.3	46.1	72.6	*195*	*117*	*312*	65	39	104	284	297
E07000181	West Oxfordshire	Oxfordshire	South East	ENG	116.6	43.4	76.8	*192*	*99*	*291*	64	33	97	269	293
E06000017	Rutland	Rutland	East Midlands	ENG	116.7	54.7	82.0	*75*	*49*	*124*	25	16	41	236	295
E06000051	Shropshire	Shropshire	West Midlands	ENG	123.1	56.9	87.1	*630*	*393*	*1,023*	210	131	341	209	162
E06000020	Telford and Wrekin	Shropshire	West Midlands	ENG	148.7	75.6	109.0	*298*	*188*	*486*	99	63	162	83	98
E06000022	Bath and North East Somerset	Somerset	South West	ENG	124.6	36.0	74.6	*306*	*131*	*437*	102	44	146	276	268
E07000187	Mendip	Somerset	South West	ENG	122.3	44.8	77.9	*210*	*109*	*319*	70	36	106	262	167
E06000024	North Somerset	Somerset	South West	ENG	120.4	46.2	78.0	*401*	*215*	*616*	134	72	205	260	217
E07000188	Sedgemoor	Somerset	South West	ENG	133.2	61.5	95.0	*257*	*160*	*417*	86	53	139	147	119
E07000246	Somerset West and Taunton	Somerset	South West	ENG	122.7	50.0	81.0	*318*	*189*	*507*	106	63	169	241	139
E07000189	South Somerset	Somerset	South West	ENG	115.4	39.1	72.3	*314*	*149*	*463*	105	50	154	285	160
E07000192	Cannock Chase	Staffordshire	West Midlands	ENG	173.9	95.8	130.5	*213*	*156*	*369*	71	52	123	22	123
E07000193	East Staffordshire	Staffordshire	West Midlands	ENG	148.9	71.4	106.3	*225*	*146*	*371*	75	49	124	96	155
E07000194	Lichfield	Staffordshire	West Midlands	ENG	127.4	63.1	92.6	*202*	*131*	*333*	67	44	111	166	244
E07000195	Newcastle-under-Lyme	Staffordshire	West Midlands	ENG	160.2	63.3	106.8	*279*	*147*	*426*	93	49	142	92	148
E07000196	South Staffordshire	Staffordshire	West Midlands	ENG	156.6	52.0	96.6	*270*	*124*	*394*	90	41	131	140	231
E07000197	Stafford	Staffordshire	West Midlands	ENG	150.4	65.4	102.7	*296*	*169*	*465*	99	56	155	112	229
E07000198	Staffordshire Moorlands	Staffordshire	West Midlands	ENG	131.8	72.9	98.8	*198*	*147*	*345*	66	49	115	128	201
E06000021	Stoke-on-Trent	Staffordshire	West Midlands	ENG	178.8	91.0	131.3	*511*	*330*	*841*	170	110	280	20	15
E07000199	Tamworth	Staffordshire	West Midlands	ENG	151.0	82.4	114.7	*139*	*96*	*235*	46	32	78	58	122
E07000200	Babergh	Suffolk	East of England	ENG	104.6	43.3	70.9	*164*	*93*	*257*	55	31	86	287	208
E07000244	East Suffolk	Suffolk	East of England	ENG	125.7	59.1	88.9	*558*	*364*	*922*	186	121	307	194	156
E07000202	Ipswich	Suffolk	East of England	ENG	141.1	56.7	94.8	*225*	*126*	*351*	75	42	117	148	70
E07000203	Mid Suffolk	Suffolk	East of England	ENG	115.8	56.5	83.3	*189*	*121*	*310*	63	40	103	230	225
E07000245	West Suffolk	Suffolk	East of England	ENG	119.9	56.2	85.8	*308*	*195*	*503*	103	65	168	214	173
E07000207	Elmbridge	Surrey	South East	ENG	100.8	51.7	73.4	*177*	*139*	*316*	59	46	105	280	302
E07000208	Epsom and Ewell	Surrey	South East	ENG	96.3	33.5	61.3	*97*	*48*	*145*	32	16	48	303	291
E07000209	Guildford	Surrey	South East	ENG	101.4	46.3	70.7	*173*	*113*	*286*	58	38	95	289	288
E07000210	Mole Valley	Surrey	South East	ENG	86.0	37.5	59.5	*123*	*77*	*200*	41	26	67	304	286
E07000211	Reigate and Banstead	Surrey	South East	ENG	115.7	48.9	77.8	*216*	*141*	*357*	72	47	119	265	270

Table 1.28 Age-standardised death rates per 100,000 and number of deaths for coronary heart disease (CHD), all ages by local authority, United Kingdom 2017/19

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					ALL AGES										
					Age standardised CHD death rates per 100,000 - 3 Year Average			*Total number of CHD deaths 2017/19*			Average number of annual CHD deaths for 2017/19			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	4N
E07000212	Runnymede	Surrey	South East	ENG	111.2	55.6	81.4	*115*	*86*	*201*	38	29	67	239	250
E07000213	Spelthorne	Surrey	South East	ENG	122.2	61.7	89.2	*159*	*109*	*268*	53	36	89	189	198
E07000214	Surrey Heath	Surrey	South East	ENG	109.1	38.7	70.2	*132*	*67*	*199*	44	22	66	291	301
E07000215	Tandridge	Surrey	South East	ENG	100.5	42.9	69.2	*128*	*78*	*206*	43	26	69	293	252
E07000216	Waverley	Surrey	South East	ENG	113.1	34.5	68.0	*217*	*107*	*324*	72	36	108	295	304
E07000217	Woking	Surrey	South East	ENG	106.8	41.9	70.8	*132*	*72*	*204*	44	24	68	288	275
E08000037	Gateshead	Tyne & Wear	North East	ENG	157.0	66.9	106.9	*419*	*233*	*652*	140	78	217	91	54
E08000021	Newcastle upon Tyne	Tyne & Wear	North East	ENG	153.4	59.7	101.8	*469*	*237*	*706*	156	79	235	117	73
E08000022	North Tyneside	Tyne & Wear	North East	ENG	157.2	76.4	111.1	*414*	*286*	*700*	138	95	233	72	125
E08000023	South Tyneside	Tyne & Wear	North East	ENG	169.4	67.3	108.9	*324*	*182*	*506*	108	61	169	85	26
E08000024	Sunderland	Tyne & Wear	North East	ENG	180.4	75.1	119.9	*612*	*345*	*957*	204	115	319	41	33
E07000218	North Warwickshire	Warwickshire	West Midlands	ENG	150.3	54.7	96.8	*137*	*67*	*204*	46	22	68	138	153
E07000219	Nuneaton and Bedworth	Warwickshire	West Midlands	ENG	170.7	81.7	120.0	*264*	*169*	*433*	88	56	144	40	100
E07000220	Rugby	Warwickshire	West Midlands	ENG	146.6	58.4	99.2	*208*	*110*	*318*	69	37	106	125	218
E07000221	Stratford-on-Avon	Warwickshire	West Midlands	ENG	133.5	45.4	83.4	*287*	*133*	*420*	96	44	140	229	253
E07000222	Warwick	Warwickshire	West Midlands	ENG	134.6	54.3	89.0	*243*	*138*	*381*	81	46	127	193	257
E08000025	Birmingham	West Midlands	West Midlands	ENG	171.0	74.4	117.1	*1,802*	*1,041*	*2,843*	601	347	948	46	6
E08000026	Coventry	West Midlands	West Midlands	ENG	156.2	71.4	110.3	*548*	*331*	*879*	183	110	293	75	80
E08000027	Dudley	West Midlands	West Midlands	ENG	155.4	76.9	112.2	*668*	*444*	*1,112*	223	148	371	68	103
E08000028	Sandwell	West Midlands	West Midlands	ENG	224.1	87.0	146.9	*755*	*394*	*1,149*	252	131	383	6	8
E08000029	Solihull	West Midlands	West Midlands	ENG	130.0	48.5	83.7	*387*	*220*	*607*	129	73	202	227	203
E08000030	Walsall	West Midlands	West Midlands	ENG	186.3	90.3	133.2	*634*	*405*	*1,039*	211	135	346	16	31
E08000031	Wolverhampton	West Midlands	West Midlands	ENG	198.0	87.6	138.8	*615*	*358*	*973*	205	119	324	13	19
E07000223	Adur	West Sussex	South East	ENG	128.5	66.4	93.2	*128*	*92*	*220*	43	31	73	164	161
E07000224	Arun	West Sussex	South East	ENG	138.0	56.4	92.1	*407*	*250*	*657*	136	83	219	171	147
E07000225	Chichester	West Sussex	South East	ENG	111.1	48.5	75.5	*244*	*160*	*404*	81	53	135	273	209
E07000226	Crawley	West Sussex	South East	ENG	153.5	55.4	98.3	*164*	*83*	*247*	55	28	82	133	133
E07000227	Horsham	West Sussex	South East	ENG	104.4	40.9	68.8	*224*	*126*	*350*	75	42	117	294	282
E07000228	Mid Sussex	West Sussex	South East	ENG	102.8	35.7	65.2	*214*	*111*	*325*	71	37	108	301	303
E07000229	Worthing	West Sussex	South East	ENG	153.8	63.0	103.4	*254*	*171*	*425*	85	57	142	106	171
E06000030	Swindon	Wiltshire	South West	ENG	137.4	71.8	102.1	*340*	*226*	*566*	113	75	189	115	168
E06000054	Wiltshire	Wiltshire	South West	ENG	133.5	54.0	88.0	*916*	*528*	*1,444*	305	176	481	204	227
E07000234	Bromsgrove	Worcestershire	West Midlands	ENG	99.6	42.1	67.2	*149*	*92*	*241*	50	31	80	298	265
E07000235	Malvern Hills	Worcestershire	West Midlands	ENG	127.4	45.4	81.4	*187*	*94*	*281*	62	31	94	238	184
E07000236	Redditch	Worcestershire	West Midlands	ENG	110.9	45.5	73.3	*109*	*56*	*165*	36	19	55	281	116
E07000237	Worcester	Worcestershire	West Midlands	ENG	149.3	55.6	96.2	*171*	*88*	*259*	57	29	86	141	157
E07000238	Wychavon	Worcestershire	West Midlands	ENG	116.7	47.7	77.7	*241*	*132*	*373*	80	44	124	266	188
E07000239	Wyre Forest	Worcestershire	West Midlands	ENG	149.0	59.7	99.6	*236*	*126*	*362*	79	42	121	122	112
E06000011	East Riding of Yorkshire	Yorkshire (East Riding)	Yorkshire & The Humber	ENG	152.3	65.5	104.1	*845*	*494*	*1,339*	282	165	446	102	213
E06000010	Kingston upon Hull, City of	Yorkshire (East Riding)	Yorkshire & The Humber	ENG	216.5	97.9	151.9	*582*	*327*	*909*	194	109	303	3	9
E07000163	Craven	Yorkshire (North Yorkshire)	Yorkshire & The Humber	ENG	112.7	61.7	84.4	*108*	*94*	*202*	36	31	67	225	235
E07000164	Hambleton	Yorkshire (North Yorkshire)	Yorkshire & The Humber	ENG	123.6	62.6	89.0	*185*	*127*	*312*	62	42	104	191	249
E07000165	Harrogate	Yorkshire (North Yorkshire)	Yorkshire & The Humber	ENG	133.5	41.3	79.9	*329*	*153*	*482*	110	51	161	249	271
E06000002	Middlesbrough	Yorkshire (North Yorkshire)	North East	ENG	202.4	88.4	137.0	*302*	*179*	*481*	101	60	160	14	16
E06000003	Redcar and Cleveland	Yorkshire (North Yorkshire)	North East	ENG	176.3	69.0	116.0	*345*	*180*	*525*	115	60	175	50	62
E07000166	Richmondshire	Yorkshire (North Yorkshire)	Yorkshire & The Humber	ENG	126.1	54.1	85.7	*94*	*49*	*143*	31	16	48	216	245
E07000167	Ryedale	Yorkshire (North Yorkshire)	Yorkshire & The Humber	ENG	164.3	70.9	111.9	*156*	*94*	*250*	52	31	83	70	177
E07000168	Scarborough	Yorkshire (North Yorkshire)	Yorkshire & The Humber	ENG	187.2	88.9	132.3	*340*	*230*	*570*	113	77	190	17	74
E07000169	Selby	Yorkshire (North Yorkshire)	Yorkshire & The Humber	ENG	150.3	68.4	104.0	*171*	*103*	*274*	57	34	91	103	246
E06000014	York	Yorkshire (North Yorkshire)	Yorkshire & The Humber	ENG	148.1	60.2	98.1	*371*	*224*	*595*	124	75	198	135	269

Table 1.28 Age-standardised death rates per 100,000 and number of deaths for coronary heart disease (CHD), all ages by local authority, United Kingdom 2017/19

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					ALL AGES										
					Age standardised CHD death rates per 100,000 - 3 Year Average			*Total number of CHD deaths 2017/19*			Average number of annual CHD deaths for 2017/19			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	4N
E08000016	Barnsley	Yorkshire (South Yorkshire)	Yorkshire & The Humber	ENG	168.6	77.0	118.2	*531*	*312*	*843*	177	104	281	43	38
E08000017	Doncaster	Yorkshire (South Yorkshire)	Yorkshire & The Humber	ENG	162.0	73.0	113.0	*638*	*374*	*1,012*	213	125	337	63	41
E08000018	Rotherham	Yorkshire (South Yorkshire)	Yorkshire & The Humber	ENG	160.4	72.3	110.6	*533*	*324*	*857*	178	108	286	73	50
E08000019	Sheffield	Yorkshire (South Yorkshire)	Yorkshire & The Humber	ENG	176.6	80.5	123.3	*1,140*	*691*	*1,831*	380	230	610	30	92
E08000032	Bradford	Yorkshire (West Yorkshire)	Yorkshire & The Humber	ENG	212.3	100.9	149.9	*1,140*	*739*	*1,879*	380	246	626	4	21
E08000033	Calderdale	Yorkshire (West Yorkshire)	Yorkshire & The Humber	ENG	161.8	73.3	111.8	*400*	*259*	*659*	133	86	220	71	75
E08000034	Kirklees	Yorkshire (West Yorkshire)	Yorkshire & The Humber	ENG	157.7	78.7	113.0	*776*	*534*	*1,310*	259	178	437	64	86
E08000035	Leeds	Yorkshire (West Yorkshire)	Yorkshire & The Humber	ENG	187.3	80.1	126.5	*1,508*	*898*	*2,406*	503	299	802	25	91
E08000036	Wakefield	Yorkshire (West Yorkshire)	Yorkshire & The Humber	ENG	167.3	84.9	122.4	*729*	*477*	*1,206*	243	159	402	34	64
N09000001	Antrim and Newtownabbey		Northern Ireland	NI	137.4	57.3	93.2	*211*	*122*	*333*	70	41	111	9	10
N09000011	Ards and North Down		Northern Ireland	NI	132.6	62.8	91.6	*275*	*173*	*448*	92	58	149	10	9
N09000002	Armagh City, Banbridge and Craigavon		Northern Ireland	NI	174.4	66.8	113.7	*365*	*193*	*558*	122	64	186	2	7
N09000003	Belfast		Northern Ireland	NI	163.3	82.9	107.6	*549*	*334*	*883*	183	111	294	3	4
N09000004	Causeway Coast and Glens		Northern Ireland	NI	135.9	60.0	104.9	*235*	*173*	*408*	78	58	136	5	5
N09000005	Derry City and Strabane		Northern Ireland	NI	155.4	64.5	107.1	*225*	*125*	*350*	75	42	117	4	1
N09000006	Fermanagh and Omagh		Northern Ireland	NI	147.5	56.1	96.0	*186*	*95*	*281*	62	32	94	8	2
N09000007	Lisburn and Castlereagh		Northern Ireland	NI	130.0	68.0	91.5	*209*	*138*	*347*	70	46	116	11	11
N09000008	Mid and East Antrim		Northern Ireland	NI	144.0	70.1	103.5	*244*	*164*	*408*	81	55	136	7	8
N09000009	Mid Ulster		Northern Ireland	NI	165.4	70.6	115.6	*227*	*142*	*369*	76	47	123	1	6
N09000010	Newry, Mourne and Down		Northern Ireland	NI	149.8	73.8	104.6	*278*	*163*	*441*	93	54	147	6	3
S12000033	Aberdeen City		Scotland	SCO	174.9	93.9	130.2	*420*	*312*	*732*	140	104	244	13	26
S12000034	Aberdeenshire		Scotland	SCO	179.5	88.7	126.9	*549*	*367*	*916*	183	122	305	19	29
S12000041	Angus		Scotland	SCO	165.6	76.7	112.9	*274*	*186*	*460*	91	62	153	27	20
S12000035	Argyll and Bute		Scotland	SCO	169.5	92.0	126.6	*232*	*169*	*401*	77	56	134	20	15
S12000036	City of Edinburgh		Scotland	SCO	162.8	73.9	110.8	*835*	*558*	*1,393*	278	186	464	28	30
S12000005	Clackmannanshire		Scotland	SCO	212.6	111.7	154.3	*134*	*90*	*224*	45	30	75	2	8
S12000006	Dumfries and Galloway		Scotland	SCO	172.4	84.7	123.3	*417*	*265*	*682*	139	88	227	21	10
S12000042	Dundee City		Scotland	SCO	230.1	85.5	144.8	*381*	*215*	*596*	127	72	199	7	7
S12000008	East Ayrshire		Scotland	SCO	219.2	122.8	164.9	*344*	*249*	*593*	115	83	198	1	6
S12000045	East Dunbartonshire		Scotland	SCO	144.3	72.0	102.5	*222*	*157*	*379*	74	52	126	31	31
S12000010	East Lothian		Scotland	SCO	159.7	83.6	116.9	*216*	*156*	*372*	72	52	124	24	22
S12000011	East Renfrewshire		Scotland	SCO	139.6	55.9	90.0	*167*	*106*	*273*	56	35	91	32	32
S12000014	Falkirk		Scotland	SCO	193.3	99.4	142.4	*389*	*252*	*641*	130	84	214	8	16
S12000047	Fife		Scotland	SCO	182.5	85.9	127.5	*872*	*554*	*1,426*	291	185	475	16	14
S12000049	Glasgow City		Scotland	SCO	220.3	97.8	148.3	*1,239*	*800*	*2,039*	413	267	680	4	4
S12000017	Highland		Scotland	SCO	178.9	85.2	127.0	*597*	*375*	*972*	199	125	324	18	19
S12000018	Inverclyde		Scotland	SCO	220.3	92.4	145.6	*229*	*140*	*369*	76	47	123	5	3
S12000019	Midlothian		Scotland	SCO	171.5	97.6	128.8	*180*	*137*	*317*	60	46	106	14	18
S12000020	Moray		Scotland	SCO	154.3	82.1	113.5	*204*	*145*	*349*	68	48	116	26	23
S12000013	Na h-Eileanan Siar		Scotland	SCO	213.2	85.1	139.5	*92*	*54*	*146*	31	18	49	9	9
S12000021	North Ayrshire		Scotland	SCO	210.0	97.4	145.4	*390*	*247*	*637*	130	82	212	6	2
S12000050	North Lanarkshire		Scotland	SCO	189.6	99.4	137.2	*684*	*486*	*1,170*	228	162	390	10	5
S12000023	Orkney Islands		Scotland	SCO	199.5	70.1	130.3	*70*	*29*	*99*	23	10	33	12	25
S12000048	Perth and Kinross		Scotland	SCO	154.5	73.3	109.1	*354*	*232*	*586*	118	77	195	30	27
S12000038	Renfrewshire		Scotland	SCO	163.3	83.9	118.5	*358*	*247*	*605*	119	82	202	23	12
S12000026	Scottish Borders		Scotland	SCO	170.7	74.9	114.6	*283*	*173*	*456*	94	58	152	25	21
S12000027	Shetland Islands		Scotland	SCO	187.5	79.3	127.4	*54*	*29*	*83*	18	10	28	17	24
S12000028	South Ayrshire		Scotland	SCO	189.3	81.7	127.9	*337*	*202*	*539*	112	67	180	15	13
S12000029	South Lanarkshire		Scotland	SCO	196.3	85.6	132.3	*761*	*462*	*1,223*	254	154	408	11	11
S12000030	Stirling		Scotland	SCO	153.7	77.1	109.6	*178*	*124*	*302*	59	41	101	29	28

Table 1.28 Age-standardised death rates per 100,000 and number of deaths for coronary heart disease (CHD), all ages by local authority, United Kingdom 2017/19

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					ALL AGES										
					Age standardised CHD death rates per 100,000 - 3 Year Average			*Total number of CHD deaths 2017/19*			Average number of annual CHD deaths for 2017/19			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	4N
S12000039	West Dunbartonshire		Scotland	SCO	218.3	104.8	153.3	*232*	*152*	*384*	77	51	128	3	1
S12000040	West Lothian		Scotland	SCO	170.5	84.0	122.9	*338*	*200*	*538*	113	67	179	22	17
W06000003	Conwy	Clwyd	Wales / Cymru	WAL	135.5	68.8	99.7	*289*	*217*	*506*	96	72	169	18	14
W06000004	Denbighshire / Sir Ddinbych	Clwyd	Wales / Cymru	WAL	180.8	82.5	127.9	*270*	*153*	*423*	90	51	141	4	9
W06000005	Flintshire / Sir y Fflint	Clwyd	Wales / Cymru	WAL	151.2	66.1	104.4	*323*	*174*	*497*	108	58	166	15	18
W06000006	Wrexham / Wrecsam	Clwyd	Wales / Cymru	WAL	172.6	76.1	120.8	*317*	*170*	*487*	106	57	162	10	16
W06000010	Carmarthenshire / Sir Gaerfyrddin	Dyfed	Wales / Cymru	WAL	172.7	84.7	124.5	*506*	*315*	*821*	169	105	274	8	10
W06000008	Ceredigion	Dyfed	Wales / Cymru	WAL	144.1	59.2	99.3	*177*	*94*	*271*	59	31	90	19	20
W06000009	Pembrokeshire / Sir Benfro	Dyfed	Wales / Cymru	WAL	158.1	65.5	107.8	*336*	*179*	*515*	112	60	172	14	13
W06000019	Blaenau Gwent	Gwent	Wales / Cymru	WAL	216.0	102.2	150.4	*189*	*118*	*307*	63	39	102	1	1
W06000018	Caerphilly / Caerffili	Gwent	Wales / Cymru	WAL	189.4	85.7	133.5	*434*	*240*	*674*	145	80	225	3	5
W06000021	Monmouthshire / Sir Fynwy	Gwent	Wales / Cymru	WAL	135.6	66.3	97.9	*213*	*141*	*354*	71	47	118	21	22
W06000022	Newport / Casnewydd	Gwent	Wales / Cymru	WAL	175.2	85.8	127.3	*320*	*201*	*521*	107	67	174	6	7
W06000020	Torfaen / Tor-faen	Gwent	Wales / Cymru	WAL	174.7	84.0	125.7	*223*	*140*	*363*	74	47	121	7	6
W06000002	Gwynedd	Gwynedd	Wales / Cymru	WAL	148.7	57.8	98.5	*278*	*151*	*429*	93	50	143	20	17
W06000001	Isle of Anglesey / Ynys Môn	Gwynedd	Wales / Cymru	WAL	159.9	82.5	118.4	*188*	*130*	*318*	63	43	106	11	11
W06000013	Bridgend / Pen-y-bont ar Ogwr	Mid Glamorgan / Morgannwg Ganol	Wales / Cymru	WAL	183.1	76.3	122.5	*342*	*185*	*527*	114	62	176	9	8
W06000024	Merthyr Tydfil / Merthyr Tudful	Mid Glamorgan / Morgannwg Ganol	Wales / Cymru	WAL	181.0	83.5	127.4	*134*	*77*	*211*	45	26	70	5	2
W06000016	Rhondda Cynon Taf / Rhondda Cynon Taf	Mid Glamorgan / Morgannwg Ganol	Wales / Cymru	WAL	163.6	76.5	116.1	*491*	*298*	*789*	164	99	263	12	4
W06000023	Powys	Powys	Wales / Cymru	WAL	150.1	65.9	102.7	*352*	*203*	*555*	117	68	185	16	21
W06000015	Cardiff / Caerdydd	South Glamorgan / De Morgannwg	Wales / Cymru	WAL	164.6	53.4	101.9	*576*	*265*	*841*	192	88	280	17	15
W06000014	Vale of Glamorgan / Bro Morgannwg	South Glamorgan / De Morgannwg	Wales / Cymru	WAL	133.8	50.4	86.3	*232*	*127*	*359*	77	42	120	22	19
W06000012	Neath Port Talbot / Castell-nedd Port Talbot	West Glamorgan / Gorllewin Morgannwg	Wales / Cymru	WAL	196.1	86.3	135.2	*377*	*219*	*596*	126	73	199	2	3
W06000011	Swansea / Abertawe	West Glamorgan / Gorllewin Morgannwg	Wales / Cymru	WAL	174.7	69.9	115.3	*546*	*309*	*855*	182	103	285	13	12

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.
Average IMD ranks for Scotland, Wales, and Northern Ireland calculated in line with methodology for used for England
UK local authorities correct to February 2022 - The IMD rankings for Buckinghamshire, North Northamptonshire, and West Northamptonshire are crude averages of their respective pre-2020 and pre-2021 local authority areas.
City of London and Isles of Scilly excluded from IMD and ASDR analysis for England - sui generis status (small population)
Totals for male & female deaths may not equal total due to suppression of age-band cohorts in Nomis data - England & Wales only

Source:

England: Number of Deaths are taken from NOMIS Mortality Statistics — https://www.nomisweb.co.uk/datasets/mortsa
Wales: Number of Deaths are taken from NOMIS Mortality Statistics — 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: Average IMD ranks taken from 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 1.29 Age-standardised death rates per 100,000 and number of deaths for coronary heart disease (CHD), under 75s by local authority, United Kingdom 2017/19

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					UNDER 75										
					Age standardised CHD death rates per 100,000 - 3 Year Average			*Total number of premature CHD deaths - 2017/19*			Average number of annual CHD deaths - 2017/19			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	4N
E06000055	Bedford	Bedfordshire	East of England	ENG	58.4	13.5	34.5	*126*	*26*	*152*	42	9	51	150	154
E06000056	Central Bedfordshire	Bedfordshire	East of England	ENG	47.3	15.2	30.9	*176*	*59*	*235*	59	20	78	196	258
E06000032	Luton	Bedfordshire	East of England	ENG	62.7	26.6	42.1	*127*	*44*	*171*	42	15	57	89	52
E06000036	Bracknell Forest	Berkshire	South East	ENG	42.8	-	24.5	*62*	*10*	*72*	21	3	24	271	276
E06000038	Reading	Berkshire	South East	ENG	45.6	-	31.4	*73*	*26*	*99*	24	9	33	190	138
E06000039	Slough	Berkshire	South East	ENG	86.0	38.8	58.3	*109*	*40*	*149*	36	13	50	15	72
E06000037	West Berkshire	Berkshire	South East	ENG	43.3	14.2	25.7	*96*	*20*	*116*	32	7	39	256	281
E06000040	Windsor and Maidenhead	Berkshire	South East	ENG	38.4	16.5	26.8	*73*	*31*	*104*	24	10	35	240	296
E06000041	Wokingham	Berkshire	South East	ENG	34.5	-	21.8	*74*	*21*	*95*	25	7	32	296	306
E06000023	Bristol, City of	Bristol	South West	ENG	58.7	16.0	36.9	*251*	*71*	*322*	84	24	107	129	81
E06000060	Buckinghamshire	Buckinghamshire	South East	ENG	39.0	8.1	23.1	*269*	*59*	*328*	90	20	109	283	284
E06000042	Milton Keynes	Buckinghamshire	South East	ENG	50.9	14.6	32.2	*151*	*45*	*196*	50	15	65	181	169
E07000008	Cambridge	Cambridgeshire	East of England	ENG	51.4	-	29.9	*60*	*11*	*71*	20	4	24	209	202
E07000009	East Cambridgeshire	Cambridgeshire	East of England	ENG	53.2	23.0	33.3	*65*	*19*	*84*	22	6	28	167	260
E07000010	Fenland	Cambridgeshire	East of England	ENG	60.8	25.5	42.9	*93*	*39*	*132*	31	13	44	81	51
E07000011	Huntingdonshire	Cambridgeshire	East of England	ENG	42.4	11.4	24.9	*109*	*20*	*129*	36	7	43	266	241
E06000031	Peterborough	Cambridgeshire	East of England	ENG	74.2	25.2	49.1	*161*	*57*	*218*	54	19	73	43	53
E07000012	South Cambridgeshire	Cambridgeshire	East of England	ENG	35.7	15.0	23.7	*78*	*26*	*104*	26	9	35	279	292
E06000049	Cheshire East	Cheshire	North West	ENG	56.8	13.7	34.7	*326*	*83*	*409*	109	28	136	149	224
E06000050	Cheshire West and Chester	Cheshire	North West	ENG	51.9	14.9	32.9	*254*	*78*	*332*	85	26	111	170	180
E06000006	Halton	Cheshire	North West	ENG	75.1	26.3	48.0	*129*	*41*	*170*	43	14	57	46	39
E06000007	Warrington	Cheshire	North West	ENG	66.0	20.8	43.0	*185*	*61*	*246*	62	20	82	79	172
E06000052	Cornwall	Cornwall	South West	ENG	56.2	16.5	35.6	*511*	*166*	*677*	170	55	226	138	82
E06000053	Isles of Scilly	Cornwall	South West	ENG	-	-	-	-	-	-	-	-	-	n/a	n/a
E06000047	County Durham	County Durham	North East	ENG	65.4	21.7	43.0	*494*	*173*	*667*	165	58	222	78	65
E06000005	Darlington	County Durham	North East	ENG	61.3	19.8	39.3	*89*	*29*	*118*	30	10	39	111	102
E06000001	Hartlepool	County Durham	North East	ENG	89.6	26.7	57.6	*113*	*34*	*147*	38	11	49	18	25
E06000004	Stockton-on-Tees	County Durham	North East	ENG	61.5	18.5	39.4	*158*	*50*	*208*	53	17	69	109	111
E07000026	Allerdale	Cumbria	North West	ENG	74.8	22.3	48.2	*118*	*36*	*154*	39	12	51	45	107
E07000027	Barrow-in-Furness	Cumbria	North West	ENG	69.6	31.1	49.1	*69*	*30*	*99*	23	10	33	41	44
E07000028	Carlisle	Cumbria	North West	ENG	80.2	25.6	52.4	*125*	*42*	*167*	42	14	56	27	113
E07000029	Copeland	Cumbria	North West	ENG	82.2	35.4	59.2	*90*	*36*	*126*	30	12	42	13	77
E07000030	Eden	Cumbria	North West	ENG	47.0	-	31.2	*44*	*15*	*59*	15	5	20	192	166
E07000031	South Lakeland	Cumbria	North West	ENG	51.6	19.4	30.8	*94*	*22*	*116*	31	7	39	197	238
E07000032	Amber Valley	Derbyshire	East Midlands	ENG	54.4	16.7	33.8	*107*	*28*	*135*	36	9	45	155	164
E07000033	Bolsover	Derbyshire	East Midlands	ENG	61.3	28.0	43.6	*71*	*31*	*102*	24	10	34	76	58
E07000034	Chesterfield	Derbyshire	East Midlands	ENG	69.1	-	41.4	*104*	*23*	*127*	35	8	42	95	85
E06000015	Derby	Derbyshire	East Midlands	ENG	73.1	20.2	45.8	*210*	*61*	*271*	70	20	90	61	89
E07000035	Derbyshire Dales	Derbyshire	East Midlands	ENG	50.0	-	29.1	*66*	*12*	*78*	22	4	26	222	259
E07000036	Erewash	Derbyshire	East Midlands	ENG	57.0	18.4	36.5	*90*	*28*	*118*	30	9	39	133	165
E07000037	High Peak	Derbyshire	East Midlands	ENG	44.1	20.2	29.1	*63*	*21*	*84*	21	7	28	220	199
E07000038	North East Derbyshire	Derbyshire	East Midlands	ENG	50.3	19.1	32.4	*80*	*27*	*107*	27	9	36	176	174
E07000039	South Derbyshire	Derbyshire	East Midlands	ENG	53.1	-	32.5	*76*	*18*	*94*	25	6	31	175	214
E07000040	East Devon	Devon	South West	ENG	40.7	13.4	24.3	*99*	*28*	*127*	33	9	42	273	234
E07000041	Exeter	Devon	South West	ENG	53.1	20.3	33.4	*70*	*23*	*93*	23	8	31	163	190
E07000042	Mid Devon	Devon	South West	ENG	48.3	-	29.2	*61*	*14*	*75*	20	5	25	218	159
E07000043	North Devon	Devon	South West	ENG	44.4	17.8	28.9	*67*	*24*	*91*	22	8	30	224	121
E06000026	Plymouth	Devon	South West	ENG	65.7	21.4	43.0	*214*	*74*	*288*	71	25	96	80	71
E07000044	South Hams	Devon	South West	ENG	44.2	-	24.6	*68*	*11*	*79*	23	4	26	270	215
E07000045	Teignbridge	Devon	South West	ENG	49.7	13.0	28.9	*110*	*23*	*133*	37	8	44	225	183
E06000027	Torbay	Devon	South West	ENG	65.0	17.0	40.3	*141*	*41*	*182*	47	14	61	103	48

Table 1.29 Age-standardised death rates per 100,000 and number of deaths for coronary heart disease (CHD), under 75s by local authority, United Kingdom 2017/19

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					UNDER 75										
					Age standardised CHD death rates per 100,000 - 3 Year Average			*Total number of premature CHD deaths - 2017/19*			Average number of annual CHD deaths - 2017/19			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	4N
E07000046	Torridge	Devon	South West	ENG	64.6	-	39.6	*76*	*21*	*97*	25	7	32	106	67
E07000047	West Devon	Devon	South West	ENG	57.9	-	36.7	*57*	*16*	*73*	19	5	24	131	136
E06000058	Bournemouth, Christchurch and Poole	Dorset	South West	ENG	45.8	12.9	29.0	*243*	*73*	*316*	81	24	105	223	163
E06000059	Dorset	Dorset	South West	ENG	48.8	9.2	28.3	*314*	*65*	*379*	105	22	126	229	194
E06000043	Brighton and Hove	East Sussex	South East	ENG	53.1	13.2	31.7	*157*	*33*	*190*	52	11	63	186	137
E07000061	Eastbourne	East Sussex	South East	ENG	45.0	-	26.5	*66*	*16*	*82*	22	5	27	246	104
E07000062	Hastings	East Sussex	South East	ENG	70.0	22.4	43.5	*90*	*26*	*116*	30	9	39	77	13
E07000063	Lewes	East Sussex	South East	ENG	34.1	-	21.8	*53*	*18*	*71*	18	6	24	297	191
E07000064	Rother	East Sussex	South East	ENG	41.7	13.6	26.4	*72*	*24*	*96*	24	8	32	247	132
E07000065	Wealden	East Sussex	South East	ENG	40.6	-	23.3	*105*	*22*	*127*	35	7	42	282	248
E07000066	Basildon	Essex	East of England	ENG	53.8	18.3	35.2	*119*	*44*	*163*	40	15	54	141	109
E07000067	Braintree	Essex	East of England	ENG	43.3	17.0	27.9	*92*	*32*	*124*	31	11	41	231	200
E07000068	Brentwood	Essex	East of England	ENG	54.5	-	33.4	*55*	*14*	*69*	18	5	23	162	279
E07000069	Castle Point	Essex	East of England	ENG	51.7	-	30.4	*71*	*17*	*88*	24	6	29	204	179
E07000070	Chelmsford	Essex	East of England	ENG	38.4	16.0	25.3	*88*	*33*	*121*	29	11	40	261	254
E07000071	Colchester	Essex	East of England	ENG	37.1	13.2	24.0	*84*	*30*	*114*	28	10	38	275	178
E07000072	Epping Forest	Essex	East of England	ENG	53.7	-	30.8	*93*	*18*	*111*	31	6	37	199	197
E07000073	Harlow	Essex	East of England	ENG	81.6	30.0	48.0	*75*	*18*	*93*	25	6	31	47	99
E07000074	Maldon	Essex	East of England	ENG	41.9	36.2	32.0	*47*	*27*	*74*	16	9	25	184	207
E07000075	Rochford	Essex	East of England	ENG	39.5	-	24.4	*52*	*15*	*67*	17	5	22	272	278
E06000033	Southend-on-Sea	Essex	East of England	ENG	60.3	14.2	36.1	*142*	*33*	*175*	47	11	58	136	126
E07000076	Tendring	Essex	East of England	ENG	61.3	15.0	36.9	*151*	*44*	*195*	50	15	65	130	32
E06000034	Thurrock	Essex	East of England	ENG	60.0	24.8	42.3	*112*	*46*	*158*	37	15	53	87	114
E07000077	Uttlesford	Essex	East of England	ENG	41.8	-	26.0	*52*	*14*	*66*	17	5	22	252	287
E07000078	Cheltenham	Gloucestershire	South West	ENG	66.3	24.7	40.7	*96*	*27*	*123*	32	9	41	99	233
E07000079	Cotswold	Gloucestershire	South West	ENG	42.2	-	26.2	*62*	*18*	*80*	21	6	27	250	266
E07000080	Forest of Dean	Gloucestershire	South West	ENG	45.9	29.5	32.9	*65*	*30*	*95*	22	10	32	171	140
E07000081	Gloucester	Gloucestershire	South West	ENG	80.4	24.5	50.2	*124*	*36*	*160*	41	12	53	36	135
E06000025	South Gloucestershire	Gloucestershire	South West	ENG	38.9	13.3	25.7	*140*	*50*	*190*	47	17	63	255	261
E07000082	Stroud	Gloucestershire	South West	ENG	46.0	-	27.9	*84*	*21*	*105*	28	7	35	232	272
E07000083	Tewkesbury	Gloucestershire	South West	ENG	52.5	-	31.1	*70*	*16*	*86*	23	5	29	194	255
E09000002	Barking and Dagenham	Greater London	London	ENG	71.4	26.0	47.7	*116*	*46*	*162*	39	15	54	50	5
E09000003	Barnet	Greater London	London	ENG	48.1	14.9	30.8	*195*	*65*	*260*	65	22	87	198	181
E09000004	Bexley	Greater London	London	ENG	48.6	12.6	29.8	*134*	*38*	*172*	45	13	57	212	187
E09000005	Brent	Greater London	London	ENG	62.7	19.7	40.7	*206*	*63*	*269*	69	21	90	100	49
E09000006	Bromley	Greater London	London	ENG	43.6	9.8	25.8	*168*	*41*	*209*	56	14	70	254	226
E09000007	Camden	Greater London	London	ENG	47.4	18.5	32.4	*109*	*45*	*154*	36	15	51	178	129
E09000001	City of London	Greater London	London	ENG	-	-	-	-	-	-	-	-	-	n/a	n/a
E09000008	Croydon	Greater London	London	ENG	53.1	14.6	32.8	*209*	*63*	*272*	70	21	91	172	101
E09000009	Ealing	Greater London	London	ENG	63.1	23.2	42.4	*212*	*81*	*293*	71	27	98	85	87
E09000010	Enfield	Greater London	London	ENG	59.1	16.2	36.6	*195*	*60*	*255*	65	20	85	132	59
E09000011	Greenwich	Greater London	London	ENG	56.8	19.8	38.1	*150*	*51*	*201*	50	17	67	121	60
E09000012	Hackney	Greater London	London	ENG	79.8	21.3	49.1	*160*	*43*	*203*	53	14	68	42	7
E09000013	Hammersmith and Fulham	Greater London	London	ENG	56.0	18.8	33.0	*88*	*25*	*113*	29	8	38	168	95
E09000014	Haringey	Greater London	London	ENG	58.6	22.8	39.5	*136*	*59*	*195*	45	20	65	108	37
E09000015	Harrow	Greater London	London	ENG	47.1	15.0	30.5	*133*	*45*	*178*	44	15	59	202	196
E09000016	Havering	Greater London	London	ENG	61.6	16.2	37.8	*185*	*53*	*238*	62	18	79	123	176
E09000017	Hillingdon	Greater London	London	ENG	63.1	15.0	38.5	*193*	*46*	*239*	64	15	80	117	149
E09000018	Hounslow	Greater London	London	ENG	71.3	23.3	46.9	*185*	*61*	*246*	62	20	82	55	94
E09000019	Islington	Greater London	London	ENG	65.0	22.8	41.2	*110*	*36*	*146*	37	12	49	97	28
E09000020	Kensington and Chelsea	Greater London	London	ENG	33.0	-	18.8	*57*	*13*	*70*	19	4	23	305	120

Table 1.29 Age-standardised death rates per 100,000 and number of deaths for coronary heart disease (CHD), under 75s by local authority, United Kingdom 2017/19

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					UNDER 75										
					Age standardised CHD death rates per 100,000 - 3 Year Average			*Total number of premature CHD deaths - 2017/19*			Average number of annual CHD deaths - 2017/19			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	4N
E09000021	Kingston upon Thames	Greater London	London	ENG	47.0	-	27.8	*82*	*18*	*100*	27	6	33	233	264
E09000022	Lambeth	Greater London	London	ENG	68.6	19.0	42.5	*159*	*45*	*204*	53	15	68	83	42
E09000023	Lewisham	Greater London	London	ENG	67.8	18.5	41.9	*165*	*45*	*210*	55	15	70	91	35
E09000024	Merton	Greater London	London	ENG	49.1	15.6	30.4	*96*	*29*	*125*	32	10	42	203	210
E09000025	Newham	Greater London	London	ENG	83.1	25.6	53.1	*206*	*66*	*272*	69	22	91	25	12
E09000026	Redbridge	Greater London	London	ENG	51.4	16.0	33.4	*156*	*48*	*204*	52	16	68	165	158
E09000027	Richmond upon Thames	Greater London	London	ENG	43.5	13.2	26.8	*97*	*27*	*124*	32	9	41	238	289
E09000028	Southwark	Greater London	London	ENG	54.8	11.8	32.2	*123*	*31*	*154*	41	10	51	179	43
E09000029	Sutton	Greater London	London	ENG	39.1	-	22.9	*90*	*18*	*108*	30	6	36	286	223
E09000030	Tower Hamlets	Greater London	London	ENG	74.4	26.8	50.6	*137*	*45*	*182*	46	15	61	35	27
E09000031	Waltham Forest	Greater London	London	ENG	66.4	20.2	42.4	*168*	*49*	*217*	56	16	72	84	45
E09000032	Wandsworth	Greater London	London	ENG	60.7	19.8	38.9	*143*	*50*	*193*	48	17	64	115	170
E09000033	Westminster	Greater London	London	ENG	39.3	12.1	23.8	*93*	*23*	*116*	31	8	39	278	131
E08000001	Bolton	Greater Manchester	North West	ENG	90.3	26.2	57.5	*321*	*97*	*418*	107	32	139	19	47
E08000002	Bury	Greater Manchester	North West	ENG	66.6	27.7	46.5	*162*	*72*	*234*	54	24	78	58	108
E08000003	Manchester	Greater Manchester	North West	ENG	105.2	46.0	75.4	*446*	*192*	*638*	149	64	213	1	2
E08000004	Oldham	Greater Manchester	North West	ENG	87.9	29.6	57.6	*238*	*87*	*325*	79	29	108	17	29
E08000005	Rochdale	Greater Manchester	North West	ENG	88.8	38.0	62.8	*237*	*106*	*343*	79	35	114	6	17
E08000006	Salford	Greater Manchester	North West	ENG	79.7	23.1	51.4	*219*	*63*	*282*	73	21	94	30	20
E08000007	Stockport	Greater Manchester	North West	ENG	64.7	20.7	42.2	*252*	*85*	*337*	84	28	112	88	152
E08000008	Tameside	Greater Manchester	North West	ENG	88.6	30.3	59.2	*261*	*91*	*352*	87	30	117	14	23
E08000009	Trafford	Greater Manchester	North West	ENG	62.0	17.7	39.2	*174*	*53*	*227*	58	18	76	112	205
E08000010	Wigan	Greater Manchester	North West	ENG	70.5	22.0	45.9	*322*	*102*	*424*	107	34	141	59	96
E07000084	Basingstoke and Deane	Hampshire	South East	ENG	47.4	14.5	29.3	*107*	*28*	*135*	36	9	45	216	240
E07000085	East Hampshire	Hampshire	South East	ENG	33.8	16.3	22.1	*61*	*23*	*84*	20	8	28	290	277
E07000086	Eastleigh	Hampshire	South East	ENG	44.4	-	27.1	*77*	*20*	*97*	26	7	32	237	280
E07000087	Fareham	Hampshire	South East	ENG	32.2	17.9	22.5	*55*	*26*	*81*	18	9	27	289	290
E07000088	Gosport	Hampshire	South East	ENG	63.3	23.8	39.1	*75*	*20*	*95*	25	7	32	113	127
E07000089	Hart	Hampshire	South East	ENG	31.2	-	17.4	*36*	*10*	*46*	12	3	15	306	307
E07000090	Havant	Hampshire	South East	ENG	48.1	21.4	30.9	*89*	*30*	*119*	30	10	40	195	130
E07000091	New Forest	Hampshire	South East	ENG	36.3	11.0	21.9	*111*	*29*	*140*	37	10	47	293	237
E06000044	Portsmouth	Hampshire	South East	ENG	60.9	24.2	42.3	*136*	*56*	*192*	45	19	64	86	57
E07000092	Rushmoor	Hampshire	South East	ENG	54.4	28.7	35.3	*60*	*17*	*77*	20	6	26	140	193
E06000045	Southampton	Hampshire	South East	ENG	69.8	23.7	46.6	*173*	*60*	*233*	58	20	78	57	55
E07000093	Test Valley	Hampshire	South East	ENG	39.6	-	25.9	*70*	*25*	*95*	23	8	32	253	256
E07000094	Winchester	Hampshire	South East	ENG	43.1	-	24.8	*73*	*14*	*87*	24	5	29	267	285
E06000019	Herefordshire, County of	Herefordshire	West Midlands	ENG	54.0	16.8	34.9	*160*	*54*	*214*	53	18	71	146	134
E07000095	Broxbourne	Hertfordshire	East of England	ENG	62.7	27.2	39.6	*71*	*23*	*94*	24	8	31	107	151
E07000096	Dacorum	Hertfordshire	East of England	ENG	50.5	-	30.6	*94*	*25*	*119*	31	8	40	201	236
E07000242	East Hertfordshire	Hertfordshire	East of England	ENG	41.0	16.7	26.6	*79*	*25*	*104*	26	8	35	245	299
E07000098	Hertsmere	Hertfordshire	East of England	ENG	46.6	-	28.5	*58*	*17*	*75*	19	6	25	228	220
E07000099	North Hertfordshire	Hertfordshire	East of England	ENG	51.2	18.6	32.4	*88*	*26*	*114*	29	9	38	177	263
E07000240	St Albans	Hertfordshire	East of England	ENG	37.6	-	21.3	*65*	*11*	*76*	22	4	25	298	298
E07000243	Stevenage	Hertfordshire	East of England	ENG	52.7	-	32.0	*52*	*12*	*64*	17	4	21	183	115
E07000102	Three Rivers	Hertfordshire	East of England	ENG	46.3	-	26.6	*54*	*10*	*64*	18	3	21	242	283
E07000103	Watford	Hertfordshire	East of England	ENG	52.0	29.5	34.7	*48*	*19*	*67*	16	6	22	148	192
E07000241	Welwyn Hatfield	Hertfordshire	East of England	ENG	57.0	32.2	41.4	*72*	*35*	*107*	24	12	36	94	211
E06000046	Isle of Wight	Isle of Wight	South East	ENG	60.3	-	33.6	*148*	*22*	*170*	49	7	57	160	79
E07000105	Ashford	Kent	South East	ENG	44.0	19.6	29.2	*77*	*27*	*104*	26	9	35	219	150
E07000106	Canterbury	Kent	South East	ENG	49.1	17.8	30.2	*102*	*30*	*132*	34	10	44	206	182
E07000107	Dartford	Kent	South East	ENG	56.8	-	35.1	*64*	*17*	*81*	21	6	27	144	143

Table 1.29 Age-standardised death rates per 100,000 and number of deaths for coronary heart disease (CHD), under 75s by local authority, United Kingdom 2017/19

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					UNDER 75										
					Age standardised CHD death rates per 100,000 - 3 Year Average			*Total number of premature CHD deaths - 2017/19*			Average number of annual CHD deaths - 2017/19			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	4N
E07000108	Dover	Kent	South East	ENG	41.8	-	26.3	*78*	*21*	*99*	26	7	33	249	105
E07000112	Folkestone and Hythe (Shepway)	Kent	South East	ENG	53.6	20.2	32.6	*95*	*24*	*119*	32	8	40	173	83
E07000109	Gravesham	Kent	South East	ENG	56.0	-	34.9	*73*	*19*	*92*	24	6	31	147	117
E07000110	Maidstone	Kent	South East	ENG	42.2	13.2	26.3	*94*	*26*	*120*	31	9	40	248	185
E06000035	Medway	Kent	South East	ENG	51.0	16.9	33.6	*170*	*59*	*229*	57	20	76	159	97
E07000111	Sevenoaks	Kent	South East	ENG	45.2	-	25.3	*75*	*12*	*87*	25	4	29	260	247
E07000113	Swale	Kent	South East	ENG	47.4	20.0	33.4	*96*	*42*	*138*	32	14	46	161	69
E07000114	Thanet	Kent	South East	ENG	66.0	16.3	39.3	*140*	*35*	*175*	47	12	58	110	34
E07000115	Tonbridge and Malling	Kent	South East	ENG	46.7	16.3	28.8	*79*	*22*	*101*	26	7	34	227	232
E07000116	Tunbridge Wells	Kent	South East	ENG	43.7	23.3	29.1	*67*	*24*	*91*	22	8	30	221	267
E06000008	Blackburn with Darwen	Lancashire	North West	ENG	92.8	32.5	62.4	*158*	*55*	*213*	53	18	71	8	14
E06000009	Blackpool	Lancashire	North West	ENG	107.9	40.0	73.8	*214*	*80*	*294*	71	27	98	2	1
E07000117	Burnley	Lancashire	North West	ENG	69.8	39.9	54.7	*81*	*49*	*130*	27	16	43	22	11
E07000118	Chorley	Lancashire	North West	ENG	67.4	20.8	44.0	*115*	*36*	*151*	38	12	50	72	189
E07000119	Fylde	Lancashire	North West	ENG	54.7	20.0	35.1	*72*	*23*	*95*	24	8	32	143	195
E07000120	Hyndburn	Lancashire	North West	ENG	93.7	37.1	62.7	*98*	*36*	*134*	33	12	45	7	18
E07000121	Lancaster	Lancashire	North West	ENG	73.2	19.3	45.4	*138*	*39*	*177*	46	13	59	67	110
E07000122	Pendle	Lancashire	North West	ENG	90.7	38.2	64.1	*111*	*48*	*159*	37	16	53	5	36
E07000123	Preston	Lancashire	North West	ENG	80.3	34.8	51.2	*126*	*35*	*161*	42	12	54	32	46
E07000124	Ribble Valley	Lancashire	North West	ENG	66.5	-	41.2	*63*	*16*	*79*	21	5	26	96	274
E07000125	Rossendale	Lancashire	North West	ENG	70.2	44.0	53.5	*70*	*38*	*108*	23	13	36	24	90
E07000126	South Ribble	Lancashire	North West	ENG	59.1	20.6	38.2	*94*	*32*	*126*	31	11	42	120	206
E07000127	West Lancashire	Lancashire	North West	ENG	60.3	26.1	40.1	*97*	*39*	*136*	32	13	45	104	175
E07000128	Wyre	Lancashire	North West	ENG	79.7	24.9	51.6	*147*	*48*	*195*	49	16	65	29	145
E07000129	Blaby	Leicestershire	East Midlands	ENG	36.5	-	23.0	*51*	*15*	*66*	17	5	22	285	273
E07000130	Charnwood	Leicestershire	East Midlands	ENG	47.1	19.4	33.0	*108*	*46*	*154*	36	15	51	169	239
E07000131	Harborough	Leicestershire	East Midlands	ENG	41.8	-	24.7	*59*	*11*	*70*	20	4	23	269	300
E07000132	Hinckley and Bosworth	Leicestershire	East Midlands	ENG	60.6	20.0	37.4	*103*	*27*	*130*	34	9	43	124	228
E06000016	Leicester	Leicestershire	East Midlands	ENG	95.2	24.5	59.4	*315*	*81*	*396*	105	27	132	12	22
E07000133	Melton	Leicestershire	East Midlands	ENG	61.6	-	31.4	*43*	*9*	*52*	14	3	17	191	242
E07000134	North West Leicestershire	Leicestershire	East Midlands	ENG	49.3	25.5	34.4	*75*	*30*	*105*	25	10	35	152	212
E07000135	Oadby and Wigston	Leicestershire	East Midlands	ENG	56.4	-	31.9	*35*	*15*	*50*	12	5	17	185	243
E07000136	Boston	Lincolnshire	East Midlands	ENG	82.5	-	50.7	*80*	*20*	*100*	27	7	33	34	84
E07000137	East Lindsey	Lincolnshire	East Midlands	ENG	70.7	27.0	48.3	*188*	*74*	*262*	63	25	87	44	30
E07000138	Lincoln	Lincolnshire	East Midlands	ENG	62.9	-	40.0	*67*	*20*	*87*	22	7	29	105	68
E06000012	North East Lincolnshire	Lincolnshire	Yorkshire & The Humber	ENG	83.1	26.6	54.3	*182*	*61*	*243*	61	20	81	23	66
E07000139	North Kesteven	Lincolnshire	East Midlands	ENG	48.5	17.7	30.0	*84*	*24*	*108*	28	8	36	208	262
E06000013	North Lincolnshire	Lincolnshire	Yorkshire & The Humber	ENG	55.9	18.8	37.2	*140*	*49*	*189*	47	16	63	127	118
E07000140	South Holland	Lincolnshire	East Midlands	ENG	75.3	24.1	45.6	*109*	*26*	*135*	36	9	45	64	141
E07000141	South Kesteven	Lincolnshire	East Midlands	ENG	53.1	12.7	32.1	*115*	*30*	*145*	38	10	48	182	230
E07000142	West Lindsey	Lincolnshire	East Midlands	ENG	46.5	20.3	31.5	*73*	*28*	*101*	24	9	34	189	144
E08000011	Knowsley	Merseyside	North West	ENG	84.0	32.1	56.7	*154*	*65*	*219*	51	22	73	20	3
E08000012	Liverpool	Merseyside	North West	ENG	85.8	26.7	55.6	*459*	*147*	*606*	153	49	202	21	4
E08000014	Sefton	Merseyside	North West	ENG	65.5	20.7	42.1	*263*	*91*	*354*	88	30	118	90	88
E08000013	St. Helens	Merseyside	North West	ENG	75.2	28.7	51.4	*189*	*75*	*264*	63	25	88	31	40
E08000015	Wirral	Merseyside	North West	ENG	57.9	18.5	37.4	*265*	*92*	*357*	88	31	119	125	76
E07000143	Breckland	Norfolk	East of England	ENG	45.3	16.1	29.5	*99*	*33*	*132*	33	11	44	215	124
E07000144	Broadland	Norfolk	East of England	ENG	48.6	16.1	28.9	*99*	*24*	*123*	33	8	41	226	251
E07000145	Great Yarmouth	Norfolk	East of England	ENG	71.7	21.1	43.7	*111*	*26*	*137*	37	9	46	74	24
E07000146	King's Lynn and West Norfolk	Norfolk	East of England	ENG	51.5	20.1	35.2	*121*	*52*	*173*	40	17	58	142	78
E07000147	North Norfolk	Norfolk	East of England	ENG	40.6	-	25.5	*84*	*26*	*110*	28	9	37	257	93

Table 1.29 Age-standardised death rates per 100,000 and number of deaths for coronary heart disease (CHD), under 75s by local authority, United Kingdom 2017/19

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					UNDER 75										
					Age standardised CHD death rates per 100,000 - 3 Year Average			*Total number of premature CHD deaths - 2017/19*			Average number of annual CHD deaths - 2017/19			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	4N
E07000148	Norwich	Norfolk	East of England	ENG	77.4	22.1	47.1	*109*	*28*	*137*	36	9	46	53	61
E07000149	South Norfolk	Norfolk	East of England	ENG	33.4	13.4	22.1	*71*	*26*	*97*	24	9	32	291	221
E06000061	North Northamptonshire	Northamptonshire	East Midlands	ENG	53.0	17.9	35.0	*244*	*87*	*331*	81	29	110	145	142
E06000062	West Northamptonshire	Northamptonshire	East Midlands	ENG	55.5	17.4	36.1	*290*	*95*	*385*	97	32	128	135	222
E06000057	Northumberland	Northumberland	North East	ENG	59.5	16.7	37.4	*311*	*92*	*403*	104	31	134	126	128
E07000170	Ashfield	Nottinghamshire	East Midlands	ENG	66.6	24.3	45.3	*116*	*43*	*159*	39	14	53	68	63
E07000171	Bassetlaw	Nottinghamshire	East Midlands	ENG	64.1	21.5	42.6	*114*	*39*	*153*	38	13	51	82	106
E07000172	Broxtowe	Nottinghamshire	East Midlands	ENG	59.6	17.6	36.3	*95*	*24*	*119*	32	8	40	134	219
E07000173	Gedling	Nottinghamshire	East Midlands	ENG	48.2	17.0	30.1	*78*	*23*	*101*	26	8	34	207	204
E07000174	Mansfield	Nottinghamshire	East Midlands	ENG	63.5	-	38.6	*96*	*22*	*118*	32	7	39	116	56
E07000175	Newark and Sherwood	Nottinghamshire	East Midlands	ENG	45.7	15.9	29.2	*83*	*25*	*108*	28	8	36	217	146
E06000018	Nottingham	Nottinghamshire	East Midlands	ENG	80.3	23.8	52.1	*237*	*70*	*307*	79	23	102	28	10
E07000176	Rushcliffe	Nottinghamshire	East Midlands	ENG	50.1	-	29.9	*83*	*18*	*101*	28	6	34	210	305
E07000177	Cherwell	Oxfordshire	South East	ENG	36.6	16.1	25.5	*70*	*29*	*99*	23	10	33	259	216
E07000178	Oxford	Oxfordshire	South East	ENG	48.6	-	31.6	*65*	*21*	*86*	22	7	29	187	186
E07000179	South Oxfordshire	Oxfordshire	South East	ENG	40.0	-	23.9	*77*	*19*	*96*	26	6	32	277	294
E07000180	Vale of White Horse	Oxfordshire	South East	ENG	33.6	-	21.9	*60*	*20*	*80*	20	7	27	294	297
E07000181	West Oxfordshire	Oxfordshire	South East	ENG	43.4	-	25.2	*67*	*14*	*81*	22	5	27	265	293
E06000017	Rutland	Rutland	East Midlands	ENG	-	-	26.8	*18*	*6*	*24*	6	2	8	239	295
E06000051	Shropshire	Shropshire	West Midlands	ENG	50.5	14.5	32.2	*254*	*78*	*332*	85	26	111	180	162
E06000020	Telford and Wrekin	Shropshire	West Midlands	ENG	68.2	24.0	45.6	*154*	*57*	*211*	51	19	70	63	98
E06000022	Bath and North East Somerset	Somerset	South West	ENG	43.1	-	23.6	*102*	*14*	*116*	34	5	39	281	268
E07000187	Mendip	Somerset	South West	ENG	47.4	-	27.1	*83*	*15*	*98*	28	5	33	236	167
E06000024	North Somerset	Somerset	South West	ENG	49.4	15.0	31.6	*156*	*52*	*208*	52	17	69	188	217
E07000188	Sedgemoor	Somerset	South West	ENG	55.0	15.5	33.7	*104*	*26*	*130*	35	9	43	156	119
E07000246	Somerset West and Taunton	Somerset	South West	ENG	42.5	14.0	26.6	*101*	*31*	*132*	34	10	44	243	139
E07000189	South Somerset	Somerset	South West	ENG	42.3	13.0	25.3	*112*	*25*	*137*	37	8	46	262	160
E07000192	Cannock Chase	Staffordshire	West Midlands	ENG	63.3	31.1	44.6	*87*	*37*	*124*	29	12	41	71	123
E07000193	East Staffordshire	Staffordshire	West Midlands	ENG	62.8	20.6	41.1	*101*	*32*	*133*	34	11	44	98	155
E07000194	Lichfield	Staffordshire	West Midlands	ENG	47.5	16.7	31.2	*75*	*28*	*103*	25	9	34	193	244
E07000195	Newcastle-under-Lyme	Staffordshire	West Midlands	ENG	76.5	19.9	47.7	*135*	*37*	*172*	45	12	57	49	148
E07000196	South Staffordshire	Staffordshire	West Midlands	ENG	55.5	25.1	34.5	*97*	*28*	*125*	32	9	42	151	231
E07000197	Stafford	Staffordshire	West Midlands	ENG	51.6	20.5	33.7	*105*	*36*	*141*	35	12	47	157	229
E07000198	Staffordshire Moorlands	Staffordshire	West Midlands	ENG	44.5	17.4	29.5	*74*	*26*	*100*	25	9	33	214	201
E06000021	Stoke-on-Trent	Staffordshire	West Midlands	ENG	72.9	23.3	47.9	*232*	*75*	*307*	77	25	102	48	15
E07000199	Tamworth	Staffordshire	West Midlands	ENG	66.5	35.7	44.0	*69*	*25*	*94*	23	8	31	73	122
E07000200	Babergh	Suffolk	East of England	ENG	40.7	-	24.0	*61*	*13*	*74*	20	4	25	276	208
E07000244	East Suffolk	Suffolk	East of England	ENG	46.0	14.7	29.9	*186*	*64*	*250*	62	21	83	211	156
E07000202	Ipswich	Suffolk	East of England	ENG	59.3	18.3	37.0	*94*	*26*	*120*	31	9	40	128	70
E07000203	Mid Suffolk	Suffolk	East of England	ENG	35.4	25.0	25.3	*60*	*26*	*86*	20	9	29	263	225
E07000245	West Suffolk	Suffolk	East of England	ENG	47.8	14.5	30.6	*115*	*37*	*152*	38	12	51	200	173
E07000207	Elmbridge	Surrey	South East	ENG	34.7	17.2	22.8	*57*	*21*	*78*	19	7	26	288	302
E07000208	Epsom and Ewell	Surrey	South East	ENG	38.8	-	21.9	*38*	*7*	*45*	13	2	15	295	291
E07000209	Guildford	Surrey	South East	ENG	29.4	18.3	19.0	*51*	*16*	*67*	17	5	22	304	288
E07000210	Mole Valley	Surrey	South East	ENG	29.6	-	16.7	*39*	*6*	*45*	13	2	15	307	286
E07000211	Reigate and Banstead	Surrey	South East	ENG	38.2	-	23.1	*71*	*17*	*88*	24	6	29	284	270
E07000212	Runnymede	Surrey	South East	ENG	42.3	-	26.1	*43*	*11*	*54*	14	4	18	251	250
E07000213	Spelthorne	Surrey	South East	ENG	49.3	-	30.2	*62*	*15*	*77*	21	5	26	205	198
E07000214	Surrey Heath	Surrey	South East	ENG	34.3	-	20.1	*40*	*8*	*48*	13	3	16	301	301
E07000215	Tandridge	Surrey	South East	ENG	40.5	-	23.6	*48*	*10*	*58*	16	3	19	280	252
E07000216	Waverley	Surrey	South East	ENG	38.1	-	20.8	*65*	*9*	*74*	22	3	25	300	304

Table 1.29 Age-standardised death rates per 100,000 and number of deaths for coronary heart disease (CHD), under 75s by local authority, United Kingdom 2017/19

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					UNDER 75										
					Age standardised CHD death rates per 100,000 - 3 Year Average			*Total number of premature CHD deaths - 2017/19*			Average number of annual CHD deaths - 2017/19			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	4N
E07000217	Woking	Surrey	South East	ENG	35.0	-	24.2	*43*	*16*	*59*	14	5	20	274	275
E08000037	Gateshead	Tyne & Wear	North East	ENG	70.0	25.7	47.1	*186*	*73*	*259*	62	24	86	52	54
E08000021	Newcastle upon Tyne	Tyne & Wear	North East	ENG	67.9	21.5	44.6	*212*	*67*	*279*	71	22	93	70	73
E08000022	North Tyneside	Tyne & Wear	North East	ENG	69.2	23.7	45.5	*196*	*74*	*270*	65	25	90	66	125
E08000023	South Tyneside	Tyne & Wear	North East	ENG	70.1	24.8	46.7	*146*	*56*	*202*	49	19	67	56	26
E08000024	Sunderland	Tyne & Wear	North East	ENG	80.4	24.4	51.2	*301*	*101*	*402*	100	34	134	33	33
E07000218	North Warwickshire	Warwickshire	West Midlands	ENG	70.7	-	40.5	*69*	*12*	*81*	23	4	27	101	153
E07000219	Nuneaton and Bedworth	Warwickshire	West Midlands	ENG	72.6	28.0	49.8	*126*	*51*	*177*	42	17	59	37	100
E07000220	Rugby	Warwickshire	West Midlands	ENG	63.2	24.9	38.2	*88*	*20*	*108*	29	7	36	119	218
E07000221	Stratford-on-Avon	Warwickshire	West Midlands	ENG	48.0	14.8	29.8	*99*	*28*	*127*	33	9	42	213	253
E07000222	Warwick	Warwickshire	West Midlands	ENG	51.4	19.2	33.3	*91*	*30*	*121*	30	10	40	166	257
E08000025	Birmingham	West Midlands	West Midlands	ENG	80.7	27.2	53.1	*854*	*298*	*1,152*	285	99	384	26	6
E08000026	Coventry	West Midlands	West Midlands	ENG	72.0	20.8	45.8	*252*	*76*	*328*	84	25	109	60	80
E08000027	Dudley	West Midlands	West Midlands	ENG	67.3	21.0	43.7	*288*	*95*	*383*	96	32	128	75	103
E08000028	Sandwell	West Midlands	West Midlands	ENG	102.5	30.0	65.6	*360*	*109*	*469*	120	36	156	3	8
E08000029	Solihull	West Midlands	West Midlands	ENG	45.4	13.0	28.0	*130*	*37*	*167*	43	12	56	230	203
E08000030	Walsall	West Midlands	West Midlands	ENG	86.8	36.2	61.0	*291*	*127*	*418*	97	42	139	11	31
E08000031	Wolverhampton	West Midlands	West Midlands	ENG	103.0	27.5	64.2	*303*	*85*	*388*	101	28	129	4	19
E07000223	Adur	West Sussex	South East	ENG	47.0	-	27.7	*37*	*16*	*53*	12	5	18	234	161
E07000224	Arun	West Sussex	South East	ENG	55.8	11.8	32.5	*139*	*34*	*173*	46	11	58	174	147
E07000225	Chichester	West Sussex	South East	ENG	34.9	-	21.1	*66*	*19*	*85*	22	6	28	299	209
E07000226	Crawley	West Sussex	South East	ENG	56.5	28.2	35.5	*67*	*18*	*85*	22	6	28	139	133
E07000227	Horsham	West Sussex	South East	ENG	37.1	-	22.8	*78*	*21*	*99*	26	7	33	287	282
E07000228	Mid Sussex	West Sussex	South East	ENG	34.7	-	19.0	*70*	*10*	*80*	23	3	27	303	303
E07000229	Worthing	West Sussex	South East	ENG	70.0	-	39.0	*106*	*19*	*125*	35	6	42	114	171
E06000030	Swindon	Wiltshire	South West	ENG	58.5	18.1	38.0	*158*	*50*	*208*	53	17	69	122	168
E06000054	Wiltshire	Wiltshire	South West	ENG	41.6	12.4	26.6	*295*	*94*	*389*	98	31	130	241	227
E07000234	Bromsgrove	Worcestershire	West Midlands	ENG	37.0	-	22.0	*53*	*11*	*64*	18	4	21	292	265
E07000235	Malvern Hills	Worcestershire	West Midlands	ENG	32.7	-	19.3	*44*	*9*	*53*	15	3	18	302	184
E07000236	Redditch	Worcestershire	West Midlands	ENG	49.3	-	33.4	*57*	*21*	*78*	19	7	26	164	116
E07000237	Worcester	Worcestershire	West Midlands	ENG	69.3	-	41.5	*86*	*18*	*104*	29	6	35	93	157
E07000238	Wychavon	Worcestershire	West Midlands	ENG	40.7	-	25.5	*85*	*23*	*108*	28	8	36	258	188
E07000239	Wyre Forest	Worcestershire	West Midlands	ENG	60.0	19.1	38.4	*96*	*30*	*126*	32	10	42	118	112
E06000011	East Riding of Yorkshire	Yorkshire (East Riding)	Yorkshire & The Humber	ENG	56.8	15.8	35.8	*323*	*98*	*421*	108	33	140	137	213
E06000010	Kingston upon Hull, City of	Yorkshire (East Riding)	Yorkshire & The Humber	ENG	97.7	27.2	62.2	*292*	*82*	*374*	97	27	125	9	9
E07000163	Craven	Yorkshire (North Yorkshire)	Yorkshire & The Humber	ENG	42.4	-	25.2	*37*	*14*	*51*	12	5	17	264	235
E07000164	Hambleton	Yorkshire (North Yorkshire)	Yorkshire & The Humber	ENG	47.9	30.5	33.7	*74*	*33*	*107*	25	11	36	158	249
E07000165	Harrogate	Yorkshire (North Yorkshire)	Yorkshire & The Humber	ENG	46.5	14.2	27.7	*112*	*26*	*138*	37	9	46	235	271
E06000002	Middlesbrough	Yorkshire (North Yorkshire)	North East	ENG	88.4	30.0	58.2	*144*	*53*	*197*	48	18	66	16	16
E06000003	Redcar and Cleveland	Yorkshire (North Yorkshire)	North East	ENG	79.6	29.3	49.8	*157*	*49*	*206*	52	16	69	38	62
E07000166	Richmondshire	Yorkshire (North Yorkshire)	Yorkshire & The Humber	ENG	42.7	-	26.6	*31*	*12*	*43*	10	4	14	244	245
E07000167	Ryedale	Yorkshire (North Yorkshire)	Yorkshire & The Humber	ENG	45.0	-	24.7	*38*	*11*	*49*	13	4	16	268	177
E07000168	Scarborough	Yorkshire (North Yorkshire)	Yorkshire & The Humber	ENG	82.3	18.6	49.4	*148*	*37*	*185*	49	12	62	40	74
E07000169	Selby	Yorkshire (North Yorkshire)	Yorkshire & The Humber	ENG	54.9	24.5	34.2	*72*	*19*	*91*	24	6	30	154	246
E06000014	York	Yorkshire (North Yorkshire)	Yorkshire & The Humber	ENG	55.9	16.4	34.2	*139*	*38*	*177*	46	13	59	153	269
E08000016	Barnsley	Yorkshire (South Yorkshire)	Yorkshire & The Humber	ENG	71.0	24.7	47.6	*242*	*87*	*329*	81	29	110	51	38
E08000017	Doncaster	Yorkshire (South Yorkshire)	Yorkshire & The Humber	ENG	70.9	24.1	47.0	*295*	*105*	*400*	98	35	133	54	41
E08000018	Rotherham	Yorkshire (South Yorkshire)	Yorkshire & The Humber	ENG	66.9	23.6	44.9	*243*	*88*	*331*	81	29	110	69	50
E08000019	Sheffield	Yorkshire (South Yorkshire)	Yorkshire & The Humber	ENG	67.9	24.5	45.6	*433*	*165*	*598*	144	55	199	65	92
E08000032	Bradford	Yorkshire (West Yorkshire)	Yorkshire & The Humber	ENG	93.5	30.4	61.1	*546*	*186*	*732*	182	62	244	10	21
E08000033	Calderdale	Yorkshire (West Yorkshire)	Yorkshire & The Humber	ENG	63.4	20.9	41.8	*182*	*62*	*244*	61	21	81	92	75

Table 1.29 Age-standardised death rates per 100,000 and number of deaths for coronary heart disease (CHD), under 75s by local authority, United Kingdom 2017/19

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					UNDER 75										
					Age standardised CHD death rates per 100,000 - 3 Year Average			*Total number of premature CHD deaths - 2017/19*			Average number of annual CHD deaths - 2017/19			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	4N
E08000034	Kirklees	Yorkshire (West Yorkshire)	Yorkshire & The Humber	ENG	58.6	22.7	40.4	*324*	*131*	*455*	108	44	152	102	86
E08000035	Leeds	Yorkshire (West Yorkshire)	Yorkshire & The Humber	ENG	73.3	20.0	45.7	*622*	*183*	*805*	207	61	268	62	91
E08000036	Wakefield	Yorkshire (West Yorkshire)	Yorkshire & The Humber	ENG	72.8	26.8	49.5	*343*	*131*	*474*	114	44	158	39	64
N09000001	Antrim and Newtownabbey		Northern Ireland	NI	55.6	13.1	33.7	*95*	*24*	*119*	32	8	40	8	10
N09000011	Ards and North Down		Northern Ireland	NI	44.0	13.5	27.8	*102*	*32*	*134*	34	11	45	11	9
N09000002	Armagh City, Banbridge and Craigavon		Northern Ireland	NI	57.7	17.0	37.0	*144*	*43*	*187*	48	14	62	7	7
N09000003	Belfast		Northern Ireland	NI	73.7	29.4	48.1	*264*	*97*	*361*	88	32	120	1	4
N09000004	Causeway Coast and Glens		Northern Ireland	NI	55.9	16.9	38.9	*107*	*42*	*149*	36	14	50	5	5
N09000005	Derry City and Strabane		Northern Ireland	NI	62.6	23.1	42.7	*112*	*42*	*154*	37	14	51	2	1
N09000006	Fermanagh and Omagh		Northern Ireland	NI	53.6	11.6	33.1	*79*	*18*	*97*	26	6	32	9	2
N09000007	Lisburn and Castlereagh		Northern Ireland	NI	45.7	17.7	30.6	*80*	*31*	*111*	27	10	37	10	11
N09000008	Mid and East Antrim		Northern Ireland	NI	59.6	20.1	39.4	*109*	*39*	*148*	36	13	49	4	8
N09000009	Mid Ulster		Northern Ireland	NI	55.6	17.6	37.2	*93*	*30*	*123*	31	10	41	6	6
N09000010	Newry, Mourne and Down		Northern Ireland	NI	60.8	21.2	39.7	*127*	*41*	*168*	42	14	56	3	3
S12000033	Aberdeen City		Scotland	SCO	82.8	29.4	55.8	*218*	*78*	*296*	73	26	99	9	26
S12000034	Aberdeenshire		Scotland	SCO	50.7	20.8	35.6	*190*	*80*	*270*	63	27	90	30	29
S12000041	Angus		Scotland	SCO	62.6	27.0	44.2	*110*	*52*	*162*	37	17	54	24	20
S12000035	Argyll and Bute		Scotland	SCO	72.6	25.3	48.3	*106*	*40*	*146*	35	13	49	17	15
S12000036	City of Edinburgh		Scotland	SCO	68.5	22.8	44.9	*382*	*135*	*517*	127	45	172	23	30
S12000005	Clackmannanshire		Scotland	SCO	83.3	36.9	59.3	*63*	*30*	*93*	21	10	31	6	8
S12000006	Dumfries and Galloway		Scotland	SCO	63.6	27.5	45.0	*160*	*72*	*232*	53	24	77	22	10
S12000042	Dundee City		Scotland	SCO	95.0	29.0	60.4	*166*	*56*	*222*	55	19	74	5	7
S12000008	East Ayrshire		Scotland	SCO	91.0	37.1	63.0	*160*	*69*	*229*	53	23	76	4	6
S12000045	East Dunbartonshire		Scotland	SCO	55.0	24.5	38.9	*84*	*43*	*127*	28	14	42	27	31
S12000010	East Lothian		Scotland	SCO	55.6	20.2	37.1	*82*	*33*	*115*	27	11	38	29	22
S12000011	East Renfrewshire		Scotland	SCO	52.0	13.6	31.6	*64*	*19*	*83*	21	6	28	31	32
S12000014	Falkirk		Scotland	SCO	93.5	24.8	58.2	*206*	*58*	*264*	69	19	88	8	16
S12000047	Fife		Scotland	SCO	70.7	25.2	47.1	*371*	*143*	*514*	124	48	171	20	14
S12000049	Glasgow City		Scotland	SCO	105.7	39.4	71.0	*683*	*274*	*957*	228	91	319	2	4
S12000017	Highland		Scotland	SCO	77.1	18.1	46.9	*278*	*69*	*347*	93	23	116	21	19
S12000018	Inverclyde		Scotland	SCO	110.3	31.3	68.5	*123*	*39*	*162*	41	13	54	3	3
S12000019	Midlothian		Scotland	SCO	68.4	31.1	48.9	*84*	*42*	*126*	28	14	42	15	18
S12000020	Moray		Scotland	SCO	61.3	25.1	42.5	*85*	*38*	*123*	28	13	41	26	23
S12000013	Na h-Eileanan Siar		Scotland	SCO	90.4	15.7	52.9	*42*	*7*	*49*	14	2	16	11	9
S12000021	North Ayrshire		Scotland	SCO	92.0	29.1	58.8	*187*	*65*	*252*	62	22	84	7	2
S12000050	North Lanarkshire		Scotland	SCO	77.8	28.1	51.7	*338*	*133*	*471*	113	44	157	13	5
S12000023	Orkney Islands		Scotland	SCO	84.4	11.7	48.1	*30*	*4*	*34*	10	1	11	18	25
S12000048	Perth and Kinross		Scotland	SCO	67.9	19.2	42.8	*153*	*47*	*200*	51	16	67	25	27
S12000038	Renfrewshire		Scotland	SCO	76.4	24.7	49.2	*182*	*64*	*246*	61	21	82	14	12
S12000026	Scottish Borders		Scotland	SCO	47.8	15.4	31.2	*90*	*30*	*120*	30	10	40	32	21
S12000027	Shetland Islands		Scotland	SCO	76.3	17.7	48.0	*26*	*6*	*32*	9	2	11	19	24
S12000028	South Ayrshire		Scotland	SCO	84.0	25.4	53.2	*149*	*51*	*200*	50	17	67	10	13
S12000029	South Lanarkshire		Scotland	SCO	83.0	25.1	52.9	*367*	*121*	*488*	122	40	163	12	11
S12000030	Stirling		Scotland	SCO	55.4	22.3	38.2	*69*	*30*	*99*	23	10	33	28	28
S12000039	West Dunbartonshire		Scotland	SCO	110.3	36.2	71.3	*133*	*48*	*181*	44	16	60	1	1
S12000040	West Lothian		Scotland	SCO	80.2	20.0	48.9	*184*	*49*	*233*	61	16	78	16	17
W06000003	Conwy	Clwyd	Wales / Cymru	WAL	54.9	17.8	35.4	*107*	*37*	*143*	36	12	48	19	14
W06000004	Denbighshire / Sir Ddinbych	Clwyd	Wales / Cymru	WAL	75.4	25.0	49.8	*114*	*40*	*155*	38	13	52	9	9
W06000005	Flintshire / Sir y Fflint	Clwyd	Wales / Cymru	WAL	66.7	17.8	39.8	*151*	*43*	*186*	50	14	62	15	18
W06000006	Wrexham / Wrecsam	Clwyd	Wales / Cymru	WAL	69.2	24.9	47.9	*131*	*49*	*184*	44	16	61	10	16
W06000010	Carmarthenshire / Sir Gaerfyrddin	Dyfed	Wales / Cymru	WAL	72.0	29.7	50.2	*212*	*94*	*304*	71	31	101	8	10

Table 1.29 Age-standardised death rates per 100,000 and number of deaths for coronary heart disease (CHD), under 75s by local authority, United Kingdom 2017/19

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					UNDER 75										
					Age standardised CHD death rates per 100,000 - 3 Year Average			*Total number of premature CHD deaths - 2017/19*			Average number of annual CHD deaths - 2017/19			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	4N
W06000008	Ceredigion	Dyfed	Wales / Cymru	WAL	58.6	11.7	36.6	*68*	*15*	*87*	23	5	29	17	20
W06000009	Pembrokeshire / Sir Benfro	Dyfed	Wales / Cymru	WAL	58.9	11.8	39.7	*123*	*28*	*169*	41	9	56	16	13
W06000019	Blaenau Gwent	Gwent	Wales / Cymru	WAL	82.7	15.3	55.5	*83*	*15*	*110*	28	5	37	4	1
W06000018	Caerphilly / Caerffili	Gwent	Wales / Cymru	WAL	85.2	21.7	53.6	*211*	*57*	*272*	70	19	91	6	5
W06000021	Monmouthshire / Sir Fynwy	Gwent	Wales / Cymru	WAL	41.8	12.0	30.0	*64*	*20*	*94*	21	7	31	22	22
W06000022	Newport / Casnewydd	Gwent	Wales / Cymru	WAL	92.5	15.0	57.9	*171*	*30*	*220*	57	10	73	2	7
W06000020	Torfaen / Tor-faen	Gwent	Wales / Cymru	WAL	82.2	22.7	56.8	*107*	*31*	*150*	36	10	50	3	6
W06000002	Gwynedd	Gwynedd	Wales / Cymru	WAL	59.6	8.5	35.8	*109*	*17*	*133*	36	6	44	18	17
W06000001	Isle of Anglesey / Ynys Môn	Gwynedd	Wales / Cymru	WAL	64.2	20.8	44.4	*74*	*27*	*105*	25	9	35	12	11
W06000013	Bridgend / Pen-y-bont ar Ogwr	Mid Glamorgan / Morgannwg Ganol	Wales / Cymru	WAL	74.4	28.2	51.3	*150*	*62*	*215*	50	21	72	7	8
W06000024	Merthyr Tydfil / Merthyr Tudful	Mid Glamorgan / Morgannwg Ganol	Wales / Cymru	WAL	75.6	23.2	54.8	*60*	*20*	*90*	20	7	30	5	2
W06000016	Rhondda Cynon Taf / Rhondda Cynon Taf	Mid Glamorgan / Morgannwg Ganol	Wales / Cymru	WAL	68.8	19.7	44.4	*223*	*67*	*294*	74	22	98	13	4
W06000023	Powys	Powys	Wales / Cymru	WAL	55.8	12.3	33.9	*131*	*31*	*162*	44	10	54	20	21
W06000015	Cardiff / Caerdydd	South Glamorgan / De Morgannwg	Wales / Cymru	WAL	73.8	16.7	43.9	*271*	*65*	*334*	90	22	111	14	15
W06000014	The Vale of Glamorgan / Bro Morgannwg	South Glamorgan / De Morgannwg	Wales / Cymru	WAL	52.7	14.7	30.2	*97*	*31*	*118*	32	10	39	21	19
W06000012	Neath Port Talbot / Castell-nedd Port Talbo	West Glamorgan / Gorllewin Morgannwg	Wales / Cymru	WAL	87.2	27.2	58.9	*179*	*60*	*250*	60	20	83	1	3
W06000011	Swansea / Abertawe	West Glamorgan / Gorllewin Morgannwg	Wales / Cymru	WAL	71.1	18.4	45.3	*220*	*64*	*295*	73	21	98	11	12

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.
Average IMD ranks for Scotland, Wales, and Northern Ireland calculated in line with methodology for used for England
UK local authorities correct to February 2022 - The IMD rankings for Buckinghamshire, North Northamptonshire, and West Northamptonshire are crude averages of their respective pre-2020 and pre-2021 local authority areas.
City of London and Isles of Scilly excluded from IMD and ASDR analysis for England - sui generis status (small population)
Totals for male & female deaths may not equal total due to suppression of age-band cohorts in Nomis data - England & Wales only

Source:

England: Number of Deaths are taken from NOMIS Mortality Statistics https://www.nomisweb.co.uk/datasets/mortsa
Wales: Number of Deaths are taken from NOMIS Mortality Statistics 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: Average IMD ranks taken from 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 1.30 Age-standardised death rates per 100,000 and number of deaths for stroke (CBVD), all ages, by local authority, United Kingdom 2017/19

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					ALL AGES										
					Age standardised stroke (CBVD) death rates per 100,000 - 3 Year Average			*Total number of stroke (CBVD) deaths 2017/19*			Average number of annual stroke (CBVD) deaths for 2017/19			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	4N
E06000055	Bedford	Bedfordshire	East of England	ENG	61.7	48.0	53.8	*124*	*140*	*264*	41	47	88	154	154
E06000056	Central Bedfordshire	Bedfordshire	East of England	ENG	50.9	46.3	48.9	*167*	*193*	*360*	56	64	120	232	258
E06000032	Luton	Bedfordshire	East of England	ENG	64.5	52.9	58.5	*124*	*133*	*257*	41	44	86	79	52
E06000036	Bracknell Forest	Berkshire	South East	ENG	42.6	35.3	37.2	*44*	*55*	*99*	15	18	33	305	276
E06000038	Reading	Berkshire	South East	ENG	60.6	51.5	55.9	*86*	*101*	*187*	29	34	62	115	138
E06000039	Slough	Berkshire	South East	ENG	57.5	44.0	50.5	*59*	*63*	*122*	20	21	41	204	72
E06000037	West Berkshire	Berkshire	South East	ENG	48.7	41.2	44.4	*90*	*107*	*197*	30	36	66	274	281
E06000040	Windsor and Maidenhead	Berkshire	South East	ENG	52.6	48.1	50.5	*103*	*137*	*240*	34	46	80	205	296
E06000041	Wokingham	Berkshire	South East	ENG	39.8	40.0	40.5	*80*	*113*	*193*	27	38	64	296	306
E06000023	Bristol, City of	Bristol	South West	ENG	52.4	45.3	49.1	*213*	*279*	*492*	71	93	164	229	81
E06000060	Buckinghamshire	Buckinghamshire	South East	ENG	45.5	40.5	42.7	*302*	*402*	*704*	101	134	235	281	284
E06000042	Milton Keynes	Buckinghamshire	South East	ENG	63.5	52.0	57.1	*141*	*169*	*310*	47	56	103	100	169
E07000008	Cambridge	Cambridgeshire	East of England	ENG	53.0	44.0	48.4	*61*	*79*	*140*	20	26	47	238	202
E07000009	East Cambridgeshire	Cambridgeshire	East of England	ENG	39.0	50.2	46.1	*44*	*83*	*127*	15	28	42	262	260
E07000010	Fenland	Cambridgeshire	East of England	ENG	58.6	55.5	56.6	*88*	*115*	*203*	29	38	68	102	51
E07000011	Huntingdonshire	Cambridgeshire	East of England	ENG	52.8	52.2	53.0	*112*	*161*	*273*	37	54	91	167	241
E06000031	Peterborough	Cambridgeshire	East of England	ENG	72.6	51.8	61.2	*144*	*144*	*288*	48	48	96	51	53
E07000012	South Cambridgeshire	Cambridgeshire	East of England	ENG	47.1	49.3	49.1	*95*	*146*	*241*	32	49	80	227	292
E06000049	Cheshire East	Cheshire	North West	ENG	54.9	52.0	53.7	*308*	*424*	*732*	103	141	244	158	224
E06000050	Cheshire West and Chester	Cheshire	North West	ENG	50.9	47.6	49.9	*238*	*314*	*552*	79	105	184	218	180
E06000006	Halton	Cheshire	North West	ENG	75.1	46.3	58.3	*103*	*85*	*188*	34	28	63	82	39
E06000007	Warrington	Cheshire	North West	ENG	68.3	62.1	64.5	*158*	*209*	*367*	53	70	122	30	172
E06000052	Cornwall	Cornwall	South West	ENG	73.7	72.4	73.3	*610*	*896*	*1,506*	203	299	502	6	82
E06000053	Isles of Scilly	Cornwall	South West	ENG	-	-	-	*-*	*-*	*-*	-	-	-	n/a	n/a
E06000047	County Durham	County Durham	North East	ENG	61.6	66.0	65.1	*415*	*596*	*1,011*	138	199	337	22	65
E06000005	Darlington	County Durham	North East	ENG	63.0	68.1	66.2	*87*	*135*	*222*	29	45	74	18	102
E06000001	Hartlepool	County Durham	North East	ENG	72.6	54.7	63.4	*82*	*89*	*171*	27	30	57	39	25
E06000004	Stockton-on-Tees	County Durham	North East	ENG	63.0	63.9	64.0	*137*	*201*	*338*	46	67	113	33	111
E07000026	Allerdale	Cumbria	North West	ENG	71.0	58.9	63.6	*103*	*124*	*227*	34	41	76	37	107
E07000027	Barrow-in-Furness	Cumbria	North West	ENG	52.5	63.2	60.5	*49*	*76*	*125*	16	25	42	58	44
E07000028	Carlisle	Cumbria	North West	ENG	63.4	66.2	65.7	*92*	*147*	*239*	31	49	80	19	113
E07000029	Copeland	Cumbria	North West	ENG	53.1	49.5	52.5	*52*	*64*	*116*	17	21	39	177	77
E07000030	Eden	Cumbria	North West	ENG	53.0	44.2	47.2	*44*	*57*	*101*	15	19	34	255	166
E07000031	South Lakeland	Cumbria	North West	ENG	65.3	60.2	62.6	*122*	*171*	*293*	41	57	98	43	238
E07000032	Amber Valley	Derbyshire	East Midlands	ENG	63.2	41.2	49.3	*101*	*99*	*200*	34	33	67	224	164
E07000033	Bolsover	Derbyshire	East Midlands	ENG	70.5	58.8	64.5	*65*	*80*	*145*	22	27	48	27	58
E07000034	Chesterfield	Derbyshire	East Midlands	ENG	68.9	51.9	58.6	*91*	*104*	*195*	30	35	65	76	85
E06000015	Derby	Derbyshire	East Midlands	ENG	61.9	58.2	59.9	*170*	*246*	*416*	57	82	139	62	89
E07000035	Derbyshire Dales	Derbyshire	East Midlands	ENG	44.5	51.1	50.0	*51*	*92*	*143*	17	31	48	213	259
E07000036	Erewash	Derbyshire	East Midlands	ENG	56.6	64.7	61.4	*82*	*144*	*226*	27	48	75	50	165
E07000037	High Peak	Derbyshire	East Midlands	ENG	38.2	55.1	48.6	*45*	*90*	*135*	15	30	45	234	199
E07000038	North East Derbyshire	Derbyshire	East Midlands	ENG	55.2	54.0	54.6	*85*	*107*	*192*	28	36	64	135	174
E07000039	South Derbyshire	Derbyshire	East Midlands	ENG	57.3	45.9	51.0	*63*	*72*	*135*	21	24	45	198	214
E07000040	East Devon	Devon	South West	ENG	50.8	61.2	57.4	*150*	*270*	*420*	50	90	140	93	234
E07000041	Exeter	Devon	South West	ENG	65.4	49.7	56.0	*86*	*115*	*201*	29	38	67	113	190
E07000042	Mid Devon	Devon	South West	ENG	63.4	63.6	63.3	*74*	*111*	*185*	25	37	62	40	159
E07000043	North Devon	Devon	South West	ENG	89.1	76.2	80.5	*132*	*174*	*306*	44	58	102	4	121
E06000026	Plymouth	Devon	South West	ENG	56.0	59.0	58.4	*175*	*260*	*435*	58	87	145	80	71
E07000044	South Hams	Devon	South West	ENG	50.2	46.9	48.1	*74*	*98*	*172*	25	33	57	239	215
E07000045	Teignbridge	Devon	South West	ENG	62.5	53.1	57.5	*135*	*188*	*323*	45	63	108	91	183

Table 1.30 Age-standardised death rates per 100,000 and number of deaths for stroke (CBVD), all ages, by local authority, United Kingdom 2017/19

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					ALL AGES										
					Age standardised stroke (CBVD) death rates per 100,000 - 3 Year Average			*Total number of stroke (CBVD) deaths 2017/19*			Average number of annual stroke (CBVD) deaths for 2017/19			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	4N
E06000027	Torbay	Devon	South West	ENG	53.7	59.2	57.2	*124*	*201*	*325*	41	67	108	97	48
E07000046	Torridge	Devon	South West	ENG	76.3	91.2	86.2	*85*	*145*	*230*	28	48	77	2	67
E07000047	West Devon	Devon	South West	ENG	42.5	62.9	56.1	*41*	*89*	*130*	14	30	43	109	136
E06000058	Bournemouth, Christchurch and Pool	Dorset	South West	ENG	51.1	51.4	51.4	*303*	*456*	*759*	101	152	253	194	163
E06000059	Dorset	Dorset	South West	ENG	50.4	53.9	52.7	*354*	*553*	*907*	118	184	302	175	194
E06000043	Brighton and Hove	East Sussex	South East	ENG	61.2	53.0	57.0	*166*	*214*	*380*	55	71	127	101	137
E07000061	Eastbourne	East Sussex	South East	ENG	57.5	51.8	54.2	*106*	*143*	*249*	35	48	83	147	104
E07000062	Hastings	East Sussex	South East	ENG	59.8	55.9	58.2	*72*	*95*	*167*	24	32	56	86	13
E07000063	Lewes	East Sussex	South East	ENG	50.2	47.0	49.1	*89*	*133*	*222*	30	44	74	226	191
E07000064	Rother	East Sussex	South East	ENG	50.8	47.9	49.6	*100*	*146*	*246*	33	49	82	222	132
E07000065	Wealden	East Sussex	South East	ENG	56.3	55.2	56.0	*150*	*219*	*369*	50	73	123	111	248
E07000066	Basildon	Essex	East of England	ENG	63.3	45.5	52.9	*130*	*135*	*265*	43	45	88	169	109
E07000067	Braintree	Essex	East of England	ENG	56.5	48.6	51.7	*109*	*135*	*244*	36	45	81	188	200
E07000068	Brentwood	Essex	East of England	ENG	56.9	40.5	47.3	*62*	*70*	*132*	21	23	44	253	279
E07000069	Castle Point	Essex	East of England	ENG	59.7	44.4	51.1	*83*	*85*	*168*	28	28	56	197	179
E07000070	Chelmsford	Essex	East of England	ENG	56.5	44.3	49.9	*126*	*139*	*265*	42	46	88	219	254
E07000071	Colchester	Essex	East of England	ENG	49.0	48.4	49.5	*104*	*144*	*248*	35	48	83	223	178
E07000072	Epping Forest	Essex	East of England	ENG	48.5	43.2	45.7	*84*	*110*	*194*	28	37	65	267	197
E07000073	Harlow	Essex	East of England	ENG	51.1	48.6	49.9	*47*	*65*	*112*	16	22	37	216	99
E07000074	Maldon	Essex	East of England	ENG	51.5	45.1	47.8	*47*	*61*	*108*	16	20	36	247	207
E07000075	Rochford	Essex	East of England	ENG	45.9	35.0	40.0	*58*	*62*	*120*	19	21	40	299	278
E06000033	Southend-on-Sea	Essex	East of England	ENG	49.6	46.7	48.1	*116*	*170*	*286*	39	57	95	240	126
E07000076	Tendring	Essex	East of England	ENG	51.3	43.4	47.4	*139*	*168*	*307*	46	56	102	250	32
E06000034	Thurrock	Essex	East of England	ENG	59.7	56.7	57.9	*83*	*118*	*201*	28	39	67	88	114
E07000077	Uttlesford	Essex	East of England	ENG	48.3	32.5	38.6	*53*	*53*	*106*	18	18	35	301	287
E07000078	Cheltenham	Gloucestershire	South West	ENG	49.7	66.7	60.5	*77*	*160*	*237*	26	53	79	57	233
E07000079	Cotswold	Gloucestershire	South West	ENG	52.0	54.7	54.1	*75*	*119*	*194*	25	40	65	150	266
E07000080	Forest of Dean	Gloucestershire	South West	ENG	56.5	59.0	59.4	*71*	*106*	*177*	24	35	59	65	140
E07000081	Gloucester	Gloucestershire	South West	ENG	63.6	48.2	55.0	*89*	*98*	*187*	30	33	62	128	135
E06000025	South Gloucestershire	Gloucestershire	South West	ENG	41.9	41.2	41.7	*144*	*204*	*348*	48	68	116	289	261
E07000082	Stroud	Gloucestershire	South West	ENG	60.7	54.0	57.1	*89*	*125*	*214*	30	42	71	98	272
E07000083	Tewkesbury	Gloucestershire	South West	ENG	74.1	52.5	61.6	*92*	*103*	*195*	31	34	65	49	255
E09000002	Barking and Dagenham	Greater London	London	ENG	55.9	47.2	51.9	*84*	*97*	*181*	28	32	60	185	5
E09000003	Barnet	Greater London	London	ENG	39.2	34.6	36.8	*154*	*201*	*355*	51	67	118	306	181
E09000004	Bexley	Greater London	London	ENG	51.9	44.8	47.9	*138*	*193*	*331*	46	64	110	246	187
E09000005	Brent	Greater London	London	ENG	53.3	36.9	44.2	*153*	*134*	*287*	51	45	96	275	49
E09000006	Bromley	Greater London	London	ENG	48.5	49.9	50.0	*188*	*298*	*486*	63	99	162	211	226
E09000007	Camden	Greater London	London	ENG	34.3	32.5	33.6	*75*	*96*	*171*	25	32	57	307	129
E09000001	City of London	Greater London	London	ENG	-	-	-	-	-	-	-	-	-	n/a	n/a
E09000008	Croydon	Greater London	London	ENG	61.4	49.4	55.3	*224*	*246*	*470*	75	82	157	120	101
E09000009	Ealing	Greater London	London	ENG	58.1	46.5	52.0	*174*	*186*	*360*	58	62	120	184	87
E09000010	Enfield	Greater London	London	ENG	44.6	44.9	45.8	*134*	*195*	*329*	45	65	110	266	59
E09000011	Greenwich	Greater London	London	ENG	61.7	45.6	52.9	*126*	*125*	*251*	42	42	84	172	60
E09000012	Hackney	Greater London	London	ENG	49.0	39.1	43.6	*74*	*71*	*145*	25	24	48	279	7
E09000013	Hammersmith and Fulham	Greater London	London	ENG	48.7	36.7	41.9	*65*	*66*	*131*	22	22	44	288	95
E09000014	Haringey	Greater London	London	ENG	54.0	33.1	42.1	*100*	*82*	*182*	33	27	61	284	37
E09000015	Harrow	Greater London	London	ENG	41.9	40.9	41.6	*118*	*150*	*268*	39	50	89	291	196
E09000016	Havering	Greater London	London	ENG	54.7	43.9	48.1	*164*	*213*	*377*	55	71	126	242	176
E09000017	Hillingdon	Greater London	London	ENG	59.5	45.8	52.3	*176*	*175*	*351*	59	58	117	181	149
E09000018	Hounslow	Greater London	London	ENG	61.7	55.2	59.8	*141*	*157*	*298*	47	52	99	63	94

Table 1.30 Age-standardised death rates per 100,000 and number of deaths for stroke (CBVD), all ages, by local authority, United Kingdom 2017/19

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					Age standardised stroke (CBVD) death rates per 100,000 - 3 Year Average			*Total number of stroke (CBVD) deaths 2017/19*			Average number of annual stroke (CBVD) deaths for 2017/19			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	4N
E09000019	Islington	Greater London	London	ENG	57.6	43.6	49.9	*84*	*81*	*165*	28	27	55	215	28
E09000020	Kensington and Chelsea	Greater London	London	ENG	51.5	27.4	38.3	*87*	*57*	*144*	29	19	48	302	120
E09000021	Kingston upon Thames	Greater London	London	ENG	51.9	31.1	39.7	*84*	*75*	*159*	28	25	53	300	264
E09000022	Lambeth	Greater London	London	ENG	57.9	52.1	55.2	*116*	*133*	*249*	39	44	83	123	42
E09000023	Lewisham	Greater London	London	ENG	67.2	52.7	59.2	*133*	*150*	*283*	44	50	94	67	35
E09000024	Merton	Greater London	London	ENG	53.8	50.5	51.7	*95*	*123*	*218*	32	41	73	187	210
E09000025	Newham	Greater London	London	ENG	55.3	50.3	53.1	*109*	*116*	*225*	36	39	75	166	12
E09000026	Redbridge	Greater London	London	ENG	56.1	45.2	50.3	*149*	*164*	*313*	50	55	104	209	158
E09000027	Richmond upon Thames	Greater London	London	ENG	48.1	36.6	41.0	*94*	*111*	*205*	31	37	68	294	289
E09000028	Southwark	Greater London	London	ENG	61.3	42.9	50.7	*115*	*110*	*225*	38	37	75	202	43
E09000029	Sutton	Greater London	London	ENG	52.1	48.8	49.8	*103*	*149*	*252*	34	50	84	220	223
E09000030	Tower Hamlets	Greater London	London	ENG	49.6	51.0	49.9	*72*	*94*	*166*	24	31	55	217	27
E09000031	Waltham Forest	Greater London	London	ENG	50.7	40.6	45.1	*102*	*116*	*218*	34	39	73	270	45
E09000032	Wandsworth	Greater London	London	ENG	53.5	43.2	47.9	*108*	*125*	*233*	36	42	78	243	170
E09000033	Westminster	Greater London	London	ENG	43.2	32.6	37.5	*100*	*89*	*189*	33	30	63	304	131
E08000001	Bolton	Greater Manchester	North West	ENG	59.3	51.1	55.0	*184*	*211*	*395*	61	70	132	127	47
E08000002	Bury	Greater Manchester	North West	ENG	57.1	50.1	54.2	*127*	*153*	*280*	42	51	93	149	108
E08000003	Manchester	Greater Manchester	North West	ENG	66.4	57.6	62.2	*221*	*277*	*498*	74	92	166	45	2
E08000004	Oldham	Greater Manchester	North West	ENG	66.8	55.4	60.9	*163*	*183*	*346*	54	61	115	53	29
E08000005	RoStrokeale	Greater Manchester	North West	ENG	68.3	59.9	64.5	*158*	*191*	*349*	53	64	116	28	17
E08000006	Salford	Greater Manchester	North West	ENG	62.3	57.2	58.8	*144*	*188*	*332*	48	63	111	71	20
E08000007	Stockport	Greater Manchester	North West	ENG	58.4	51.1	54.9	*224*	*282*	*506*	75	94	169	129	152
E08000008	Tameside	Greater Manchester	North West	ENG	78.0	63.8	69.5	*191*	*211*	*402*	64	70	134	9	23
E08000009	Trafford	Greater Manchester	North West	ENG	59.6	54.6	57.4	*165*	*222*	*387*	55	74	129	92	205
E08000010	Wigan	Greater Manchester	North West	ENG	63.9	65.6	65.0	*237*	*319*	*556*	79	106	185	23	96
E07000084	Basingstoke and Deane	Hampshire	South East	ENG	47.7	53.0	50.9	*92*	*138*	*230*	31	46	77	200	240
E07000085	East Hampshire	Hampshire	South East	ENG	46.0	50.0	49.0	*83*	*141*	*224*	28	47	75	230	277
E07000086	Eastleigh	Hampshire	South East	ENG	42.9	40.8	41.9	*72*	*100*	*172*	24	33	57	287	280
E07000087	Fareham	Hampshire	South East	ENG	42.8	47.5	47.2	*80*	*126*	*206*	27	42	69	256	290
E07000088	Gosport	Hampshire	South East	ENG	59.9	55.0	56.5	*64*	*85*	*149*	21	28	50	103	127
E07000089	Hart	Hampshire	South East	ENG	46.2	37.0	40.7	*57*	*64*	*121*	19	21	40	295	307
E07000090	Havant	Hampshire	South East	ENG	48.1	51.0	50.0	*93*	*146*	*239*	31	49	80	214	130
E07000091	New Forest	Hampshire	South East	ENG	57.3	48.9	52.4	*202*	*273*	*475*	67	91	158	180	237
E06000044	Portsmouth	Hampshire	South East	ENG	62.2	56.0	59.6	*128*	*168*	*296*	43	56	99	64	57
E07000092	Rushmoor	Hampshire	South East	ENG	61.5	64.9	63.7	*54*	*82*	*136*	18	27	45	36	193
E06000045	Southampton	Hampshire	South East	ENG	43.7	53.2	50.1	*95*	*177*	*272*	32	59	91	210	55
E07000093	Test Valley	Hampshire	South East	ENG	59.6	50.2	54.6	*103*	*128*	*231*	34	43	77	133	256
E07000094	Winchester	Hampshire	South East	ENG	47.9	46.0	47.4	*86*	*128*	*214*	29	43	71	251	285
E06000019	Herefordshire, County of	Herefordshire	West Midlands	ENG	54.8	62.7	59.1	*160*	*265*	*425*	53	88	142	68	134
E07000095	Broxbourne	Hertfordshire	East of England	ENG	52.3	52.5	52.9	*60*	*87*	*147*	20	29	49	171	151
E07000096	Dacorum	Hertfordshire	East of England	ENG	45.6	38.6	41.6	*80*	*104*	*184*	27	35	61	292	236
E07000242	East Hertfordshire	Hertfordshire	East of England	ENG	45.3	39.8	42.4	*80*	*100*	*180*	27	33	60	282	299
E07000098	Hertsmere	Hertfordshire	East of England	ENG	58.9	44.4	50.3	*75*	*88*	*163*	25	29	54	207	220
E07000099	North Hertfordshire	Hertfordshire	East of England	ENG	53.4	53.0	53.7	*90*	*136*	*226*	30	45	75	156	263
E07000240	St Albans	Hertfordshire	East of England	ENG	44.2	40.3	42.0	*77*	*102*	*179*	26	34	60	286	298
E07000243	Stevenage	Hertfordshire	East of England	ENG	69.5	59.2	63.9	*61*	*81*	*142*	20	27	47	35	115
E07000102	Three Rivers	Hertfordshire	East of England	ENG	55.1	44.5	48.5	*62*	*77*	*139*	21	26	46	237	283
E07000103	Watford	Hertfordshire	East of England	ENG	49.4	51.2	51.5	*46*	*65*	*111*	15	22	37	191	192
E07000241	Welwyn Hatfield	Hertfordshire	East of England	ENG	62.5	49.2	55.2	*81*	*104*	*185*	27	35	62	121	211
E06000046	Isle of Wight	Isle of Wight	South East	ENG	48.0	45.8	47.4	*122*	*164*	*286*	41	55	95	252	79

Table 1.30 Age-standardised death rates per 100,000 and number of deaths for stroke (CBVD), all ages, by local authority, United Kingdom 2017/19

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					Age standardised stroke (CBVD) death rates per 100,000 - 3 Year Average			*Total number of stroke (CBVD) deaths 2017/19*			Average number of annual stroke (CBVD) deaths for 2017/19			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	4N
E07000105	Ashford	Kent	South East	ENG	56.1	53.0	54.3	*86*	*120*	*206*	29	40	69	143	150
E07000106	Canterbury	Kent	South East	ENG	68.3	58.1	63.2	*147*	*203*	*350*	49	68	117	41	182
E07000107	Dartford	Kent	South East	ENG	66.6	64.4	65.3	*74*	*94*	*168*	25	31	56	21	143
E07000108	Dover	Kent	South East	ENG	53.2	52.5	53.1	*89*	*128*	*217*	30	43	72	165	105
E07000112	Folkestone and Hythe (Shepway)	Kent	South East	ENG	54.7	49.2	51.6	*94*	*129*	*223*	31	43	74	189	83
E07000109	Gravesham	Kent	South East	ENG	61.1	56.1	58.3	*77*	*93*	*170*	26	31	57	83	117
E07000110	Maidstone	Kent	South East	ENG	58.5	49.9	54.4	*119*	*152*	*271*	40	51	90	138	185
E06000035	Medway	Kent	South East	ENG	55.1	46.3	49.8	*147*	*176*	*323*	49	59	108	221	97
E07000111	Sevenoaks	Kent	South East	ENG	56.8	57.6	57.2	*96*	*142*	*238*	32	47	79	96	247
E07000113	Swale	Kent	South East	ENG	41.8	44.4	44.0	*73*	*105*	*178*	24	35	59	276	69
E07000114	Thanet	Kent	South East	ENG	57.3	53.0	56.2	*118*	*168*	*286*	39	56	95	108	34
E07000115	Tonbridge and Malling	Kent	South East	ENG	44.9	41.2	43.5	*72*	*90*	*162*	24	30	54	280	232
E07000116	Tunbridge Wells	Kent	South East	ENG	57.8	56.6	58.4	*91*	*138*	*229*	30	46	76	81	267
E06000008	Blackburn with Darwen	Lancashire	North West	ENG	70.8	58.6	63.4	*93*	*104*	*197*	31	35	66	38	14
E06000009	Blackpool	Lancashire	North West	ENG	65.1	64.1	65.0	*118*	*164*	*282*	39	55	94	24	1
E07000117	Burnley	Lancashire	North West	ENG	55.2	49.9	52.4	*58*	*73*	*131*	19	24	44	179	11
E07000118	Chorley	Lancashire	North West	ENG	69.6	51.3	59.2	*91*	*95*	*186*	30	32	62	66	189
E07000119	Fylde	Lancashire	North West	ENG	64.3	65.0	65.4	*89*	*137*	*226*	30	46	75	20	195
E07000120	Hyndburn	Lancashire	North West	ENG	76.8	48.3	60.8	*69*	*60*	*129*	23	20	43	55	18
E07000121	Lancaster	Lancashire	North West	ENG	59.2	49.8	53.9	*106*	*131*	*237*	35	44	79	152	110
E07000122	Pendle	Lancashire	North West	ENG	55.1	50.8	54.3	*60*	*73*	*133*	20	24	44	145	36
E07000123	Preston	Lancashire	North West	ENG	65.2	64.7	66.4	*90*	*123*	*213*	30	41	71	16	46
E07000124	Ribble Valley	Lancashire	North West	ENG	64.0	49.3	56.0	*59*	*65*	*124*	20	22	41	114	274
E07000125	Rossendale	Lancashire	North West	ENG	74.9	68.8	71.9	*58*	*76*	*134*	19	25	45	7	90
E07000126	South Ribble	Lancashire	North West	ENG	51.9	45.5	49.1	*76*	*92*	*168*	25	31	56	228	206
E07000127	West Lancashire	Lancashire	North West	ENG	70.4	55.1	62.1	*110*	*121*	*231*	37	40	77	47	175
E07000128	Wyre	Lancashire	North West	ENG	61.8	49.2	54.2	*114*	*138*	*252*	38	46	84	148	145
E07000129	Blaby	Leicestershire	East Midlands	ENG	46.9	38.5	42.1	*58*	*71*	*129*	19	24	43	285	273
E07000130	Charnwood	Leicestershire	East Midlands	ENG	48.8	43.8	46.6	*104*	*131*	*235*	35	44	78	258	239
E07000131	Harborough	Leicestershire	East Midlands	ENG	40.8	36.7	38.0	*50*	*66*	*116*	17	22	39	303	300
E07000132	Hinckley and Bosworth	Leicestershire	East Midlands	ENG	40.5	50.2	46.0	*58*	*104*	*162*	19	35	54	264	228
E06000016	Leicester	Leicestershire	East Midlands	ENG	63.0	61.4	62.0	*175*	*248*	*423*	58	83	141	48	22
E07000133	Melton	Leicestershire	East Midlands	ENG	49.9	53.9	52.9	*36*	*54*	*90*	12	18	30	170	242
E07000134	North West Leicestershire	Leicestershire	East Midlands	ENG	52.0	43.6	47.5	*62*	*76*	*138*	21	25	46	249	212
E07000135	Oadby and Wigston	Leicestershire	East Midlands	ENG	50.4	48.1	47.9	*44*	*57*	*101*	15	19	34	244	243
E07000136	Boston	Lincolnshire	East Midlands	ENG	46.3	49.5	48.7	*41*	*63*	*104*	14	21	35	233	84
E07000137	East Lindsey	Lincolnshire	East Midlands	ENG	68.0	49.9	57.8	*179*	*164*	*343*	60	55	114	89	30
E07000138	Lincoln	Lincolnshire	East Midlands	ENG	72.6	57.7	64.5	*71*	*86*	*157*	24	29	52	29	68
E06000012	North East Lincolnshire	Lincolnshire	Yorkshire & The Humber	ENG	68.3	53.4	60.5	*144*	*159*	*303*	48	53	101	56	66
E07000139	North Kesteven	Lincolnshire	East Midlands	ENG	56.0	55.9	55.8	*94*	*126*	*220*	31	42	73	118	262
E06000013	North Lincolnshire	Lincolnshire	Yorkshire & The Humber	ENG	51.7	49.1	50.0	*110*	*158*	*268*	37	53	89	212	118
E07000140	South Holland	Lincolnshire	East Midlands	ENG	51.8	37.4	43.7	*76*	*77*	*153*	25	26	51	278	141
E07000141	South Kesteven	Lincolnshire	East Midlands	ENG	53.6	52.8	53.4	*105*	*152*	*257*	35	51	86	161	230
E07000142	West Lindsey	Lincolnshire	East Midlands	ENG	76.4	64.2	68.6	*101*	*117*	*218*	34	39	73	11	144
E08000011	Knowsley	Merseyside	North West	ENG	67.4	53.2	58.9	*106*	*124*	*230*	35	41	77	69	3
E08000012	Liverpool	Merseyside	North West	ENG	70.4	60.1	65.0	*336*	*387*	*723*	112	129	241	25	4
E08000014	Sefton	Merseyside	North West	ENG	56.9	51.0	53.8	*232*	*323*	*555*	77	108	185	155	88
E08000013	St. Helens	Merseyside	North West	ENG	66.7	56.7	60.0	*144*	*172*	*316*	48	57	105	61	40
E08000015	Wirral	Merseyside	North West	ENG	55.9	53.2	54.4	*246*	*347*	*593*	82	116	198	140	76
E07000143	Breckland	Norfolk	East of England	ENG	56.9	52.0	53.9	*123*	*166*	*289*	41	55	96	153	124

Table 1.30 Age-standardised death rates per 100,000 and number of deaths for stroke (CBVD), all ages, by local authority, United Kingdom 2017/19

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					Age standardised stroke (CBVD) death rates per 100,000 - 3 Year Average			*Total number of stroke (CBVD) deaths 2017/19*			Average number of annual stroke (CBVD) deaths for 2017/19			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	4N
E07000144	Broadland	Norfolk	East of England	ENG	60.3	51.6	55.9	*130*	*167*	*297*	43	56	99	117	251
E07000145	Great Yarmouth	Norfolk	East of England	ENG	50.5	56.8	54.5	*78*	*122*	*200*	26	41	67	137	24
E07000146	King's Lynn and West Norfolk	Norfolk	East of England	ENG	55.2	50.8	53.2	*140*	*174*	*314*	47	58	105	163	78
E07000147	North Norfolk	Norfolk	East of England	ENG	53.9	50.8	52.1	*117*	*168*	*285*	39	56	95	182	93
E07000148	Norwich	Norfolk	East of England	ENG	53.9	50.5	52.1	*80*	*110*	*190*	27	37	63	183	61
E07000149	South Norfolk	Norfolk	East of England	ENG	70.8	47.4	57.3	*149*	*143*	*292*	50	48	97	94	221
E06000061	North Northamptonshire	Northamptonshire	East Midlands	ENG	56.8	52.6	54.3	*224*	*282*	*506*	75	94	169	146	142
E06000062	West Northamptonshire	Northamptonshire	East Midlands	ENG	49.6	43.9	47.0	*222*	*269*	*491*	74	90	164	257	222
E06000057	Northumberland	Northumberland	North East	ENG	63.2	61.0	62.3	*306*	*400*	*706*	102	133	235	44	128
E07000170	Ashfield	Nottinghamshire	East Midlands	ENG	48.5	51.0	50.6	*76*	*102*	*178*	25	34	59	203	63
E07000171	Bassetlaw	Nottinghamshire	East Midlands	ENG	51.3	45.7	47.9	*79*	*99*	*178*	26	33	59	245	106
E07000172	Broxtowe	Nottinghamshire	East Midlands	ENG	57.3	52.5	54.3	*89*	*110*	*199*	30	37	66	142	219
E07000173	Gedling	Nottinghamshire	East Midlands	ENG	67.1	64.1	64.8	*97*	*134*	*231*	32	45	77	26	204
E07000174	Mansfield	Nottinghamshire	East Midlands	ENG	51.6	59.1	56.3	*65*	*109*	*174*	22	36	58	106	56
E07000175	Newark and Sherwood	Nottinghamshire	East Midlands	ENG	58.0	53.5	56.2	*95*	*124*	*219*	32	41	73	107	146
E06000018	Nottingham	Nottinghamshire	East Midlands	ENG	68.3	60.1	63.9	*175*	*222*	*397*	58	74	132	34	10
E07000176	Rushcliffe	Nottinghamshire	East Midlands	ENG	51.0	51.3	51.4	*79*	*128*	*207*	26	43	69	195	305
E07000177	Cherwell	Oxfordshire	South East	ENG	43.9	49.1	47.5	*78*	*122*	*200*	26	41	67	248	216
E07000178	Oxford	Oxfordshire	South East	ENG	60.1	48.7	54.6	*80*	*99*	*179*	27	33	60	134	186
E07000179	South Oxfordshire	Oxfordshire	South East	ENG	50.1	57.0	54.4	*100*	*158*	*258*	33	53	86	139	294
E07000180	Vale of White Horse	Oxfordshire	South East	ENG	47.5	42.1	44.6	*86*	*110*	*196*	29	37	65	273	297
E07000181	West Oxfordshire	Oxfordshire	South East	ENG	42.6	46.1	45.3	*70*	*104*	*174*	23	35	58	268	293
E06000017	Rutland	Rutland	East Midlands	ENG	56.5	42.0	48.1	*34*	*38*	*72*	11	13	24	241	295
E06000051	Shropshire	Shropshire	West Midlands	ENG	62.0	57.6	60.4	*306*	*410*	*716*	102	137	239	59	162
E06000020	Telford and Wrekin	Shropshire	West Midlands	ENG	53.6	59.7	58.7	*105*	*145*	*250*	35	48	83	73	98
E06000022	Bath and North East Somerset	Somerset	South West	ENG	47.4	50.1	49.2	*113*	*183*	*296*	38	61	99	225	268
E07000187	Mendip	Somerset	South West	ENG	57.9	49.2	53.7	*100*	*123*	*223*	33	41	74	157	167
E06000024	North Somerset	Somerset	South West	ENG	55.7	39.0	46.3	*178*	*198*	*376*	59	66	125	260	217
E07000188	Sedgemoor	Somerset	South West	ENG	57.8	59.3	58.8	*103*	*160*	*263*	34	53	88	70	119
E07000246	Somerset West and Taunton	Somerset	South West	ENG	61.9	55.8	58.5	*158*	*225*	*383*	53	75	128	77	139
E07000189	South Somerset	Somerset	South West	ENG	60.2	52.8	56.3	*158*	*211*	*369*	53	70	123	105	160
E07000192	Cannock Chase	Staffordshire	West Midlands	ENG	72.8	48.0	58.3	*83*	*81*	*164*	28	27	55	84	123
E07000193	East Staffordshire	Staffordshire	West Midlands	ENG	58.2	51.4	55.2	*82*	*107*	*189*	27	36	63	125	155
E07000194	Lichfield	Staffordshire	West Midlands	ENG	58.5	53.6	55.9	*88*	*112*	*200*	29	37	67	116	244
E07000195	Newcastle-under-Lyme	Staffordshire	West Midlands	ENG	48.2	36.8	41.7	*80*	*87*	*167*	27	29	56	290	148
E07000196	South Staffordshire	Staffordshire	West Midlands	ENG	59.8	46.3	51.5	*93*	*113*	*206*	31	38	69	192	231
E07000197	Stafford	Staffordshire	West Midlands	ENG	52.0	54.9	54.4	*100*	*143*	*243*	33	48	81	141	229
E07000198	Staffordshire Moorlands	Staffordshire	West Midlands	ENG	54.6	49.5	51.8	*78*	*99*	*177*	26	33	59	186	201
E06000021	Stoke-on-Trent	Staffordshire	West Midlands	ENG	55.4	50.5	52.8	*144*	*187*	*331*	48	62	110	173	15
E07000199	Tamworth	Staffordshire	West Midlands	ENG	54.8	57.3	57.6	*47*	*67*	*114*	16	22	38	90	122
E07000200	Babergh	Suffolk	East of England	ENG	48.4	48.3	48.6	*76*	*105*	*181*	25	35	60	236	208
E07000244	East Suffolk	Suffolk	East of England	ENG	54.8	52.7	53.6	*239*	*338*	*577*	80	113	192	160	156
E07000202	Ipswich	Suffolk	East of England	ENG	46.8	44.0	45.9	*77*	*97*	*174*	26	32	58	265	70
E07000203	Mid Suffolk	Suffolk	East of England	ENG	50.0	50.3	51.2	*78*	*110*	*188*	26	37	63	196	225
E07000245	West Suffolk	Suffolk	East of England	ENG	51.4	46.0	48.6	*131*	*162*	*293*	44	54	98	235	173
E07000207	Elmbridge	Surrey	South East	ENG	59.7	47.2	52.6	*106*	*133*	*239*	35	44	80	176	302
E07000208	Epsom and Ewell	Surrey	South East	ENG	40.9	38.0	40.1	*42*	*55*	*97*	14	18	32	298	291
E07000209	Guildford	Surrey	South East	ENG	41.0	49.5	46.0	*68*	*124*	*192*	23	41	64	263	288
E07000210	Mole Valley	Surrey	South East	ENG	46.7	38.1	42.3	*69*	*80*	*149*	23	27	50	283	286
E07000211	Reigate and Banstead	Surrey	South East	ENG	58.6	47.6	53.2	*107*	*144*	*251*	36	48	84	162	270

Table 1.30 Age-standardised death rates per 100,000 and number of deaths for stroke (CBVD), all ages, by local authority, United Kingdom 2017/19

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					Age standardised stroke (CBVD) death rates per 100,000 - 3 Year Average			*Total number of stroke (CBVD) deaths 2017/19*			Average number of annual stroke (CBVD) deaths for 2017/19			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	4N
E07000212	Runnymede	Surrey	South East	ENG	58.2	52.1	54.7	*62*	*77*	*139*	21	26	46	131	250
E07000213	Spelthorne	Surrey	South East	ENG	56.8	50.7	53.2	*73*	*88*	*161*	24	29	54	164	198
E07000214	Surrey Heath	Surrey	South East	ENG	48.9	39.5	43.8	*56*	*69*	*125*	19	23	42	277	301
E07000215	Tandridge	Surrey	South East	ENG	45.0	53.4	50.8	*58*	*102*	*160*	19	34	53	201	252
E07000216	Waverley	Surrey	South East	ENG	42.3	46.2	45.0	*80*	*140*	*220*	27	47	73	271	304
E07000217	Woking	Surrey	South East	ENG	37.5	49.3	44.6	*47*	*87*	*134*	16	29	45	272	275
E08000037	Gateshead	Tyne & Wear	North East	ENG	73.6	56.2	64.4	*189*	*202*	*391*	63	67	130	32	54
E08000021	Newcastle upon Tyne	Tyne & Wear	North East	ENG	73.7	56.2	63.1	*210*	*229*	*439*	70	76	146	42	73
E08000022	North Tyneside	Tyne & Wear	North East	ENG	67.5	56.0	61.0	*161*	*216*	*377*	54	72	126	52	125
E08000023	South Tyneside	Tyne & Wear	North East	ENG	72.0	61.0	66.5	*138*	*172*	*310*	46	57	103	14	26
E08000024	Sunderland	Tyne & Wear	North East	ENG	72.7	63.0	67.2	*229*	*290*	*519*	76	97	173	12	33
E07000218	North Warwickshire	Warwickshire	West Midlands	ENG	49.6	53.7	52.5	*42*	*67*	*109*	14	22	36	178	153
E07000219	Nuneaton and Bedworth	Warwickshire	West Midlands	ENG	57.2	59.2	58.7	*80*	*124*	*204*	27	41	68	72	100
E07000220	Rugby	Warwickshire	West Midlands	ENG	45.5	53.1	50.9	*63*	*104*	*167*	21	35	56	199	218
E07000221	Stratford-on-Avon	Warwickshire	West Midlands	ENG	50.7	43.2	46.3	*104*	*131*	*235*	35	44	78	261	253
E07000222	Warwick	Warwickshire	West Midlands	ENG	47.9	47.0	47.2	*84*	*126*	*210*	28	42	70	254	257
E08000025	Birmingham	West Midlands	West Midlands	ENG	52.9	49.8	51.5	*537*	*721*	*1,258*	179	240	419	193	6
E08000026	Coventry	West Midlands	West Midlands	ENG	55.9	52.3	54.5	*190*	*246*	*436*	63	82	145	136	80
E08000027	Dudley	West Midlands	West Midlands	ENG	51.3	53.6	53.7	*219*	*311*	*530*	73	104	177	159	103
E08000028	Sandwell	West Midlands	West Midlands	ENG	55.8	57.7	57.3	*181*	*266*	*447*	60	89	149	95	8
E08000029	Solihull	West Midlands	West Midlands	ENG	46.3	45.4	46.3	*138*	*211*	*349*	46	70	116	259	203
E08000030	Walsall	West Midlands	West Midlands	ENG	64.8	54.9	58.7	*201*	*254*	*455*	67	85	152	74	31
E08000031	Wolverhampton	West Midlands	West Midlands	ENG	71.1	60.4	66.5	*214*	*256*	*470*	71	85	157	15	19
E07000223	Adur	West Sussex	South East	ENG	69.9	45.5	56.0	*69*	*65*	*134*	23	22	45	112	161
E07000224	Arun	West Sussex	South East	ENG	51.2	52.5	53.0	*155*	*239*	*394*	52	80	131	168	147
E07000225	Chichester	West Sussex	South East	ENG	50.7	52.8	52.7	*110*	*178*	*288*	37	59	96	174	209
E07000226	Crawley	West Sussex	South East	ENG	49.6	42.1	45.2	*52*	*66*	*118*	17	22	39	269	133
E07000227	Horsham	West Sussex	South East	ENG	49.4	50.1	50.3	*103*	*157*	*260*	34	52	87	206	282
E07000228	Mid Sussex	West Sussex	South East	ENG	62.6	50.8	55.7	*123*	*158*	*281*	41	53	94	119	303
E07000229	Worthing	West Sussex	South East	ENG	49.3	48.7	50.3	*82*	*141*	*223*	27	47	74	208	171
E06000030	Swindon	Wiltshire	South West	ENG	58.6	49.0	54.1	*143*	*156*	*299*	48	52	100	151	168
E06000054	Wiltshire	Wiltshire	South West	ENG	57.0	53.3	55.1	*379*	*536*	*915*	126	179	305	126	227
E07000234	Bromsgrove	Worcestershire	West Midlands	ENG	58.6	45.8	51.5	*84*	*106*	*190*	28	35	63	190	265
E07000235	Malvern Hills	Worcestershire	West Midlands	ENG	57.1	77.2	69.4	*82*	*164*	*246*	27	55	82	10	184
E07000236	Redditch	Worcestershire	West Midlands	ENG	39.4	39.8	40.4	*34*	*51*	*85*	11	17	28	297	116
E07000237	Worcester	Worcestershire	West Midlands	ENG	80.5	69.1	75.6	*89*	*114*	*203*	30	38	68	5	157
E07000238	Wychavon	Worcestershire	West Midlands	ENG	44.8	37.6	41.0	*91*	*108*	*199*	30	36	66	293	188
E07000239	Wyre Forest	Worcestershire	West Midlands	ENG	70.3	61.8	67.0	*108*	*134*	*242*	36	45	81	13	112
E06000011	East Riding of Yorkshire	Yorkshire (East Riding)	Yorkshire & The Humber	ENG	65.2	57.3	60.8	*339*	*430*	*769*	113	143	256	54	213
E06000010	Kingston upon Hull, City of	Yorkshire (East Riding)	Yorkshire & The Humber	ENG	89.4	80.0	84.2	*216*	*272*	*488*	72	91	163	3	9
E07000163	Craven	Yorkshire (North Yorkshire)	Yorkshire & The Humber	ENG	55.6	55.3	55.2	*51*	*83*	*134*	17	28	45	124	235
E07000164	Hambleton	Yorkshire (North Yorkshire)	Yorkshire & The Humber	ENG	56.8	45.3	49.0	*74*	*95*	*169*	25	32	56	231	249
E07000165	Harrogate	Yorkshire (North Yorkshire)	Yorkshire & The Humber	ENG	54.8	57.3	56.1	*133*	*215*	*348*	44	72	116	110	271
E06000002	Middlesbrough	Yorkshire (North Yorkshire)	North East	ENG	73.6	67.2	70.5	*109*	*139*	*248*	36	46	83	8	16
E06000003	Redcar and Cleveland	Yorkshire (North Yorkshire)	North East	ENG	70.4	60.5	64.4	*133*	*156*	*289*	44	52	96	31	62
E07000166	Richmondshire	Yorkshire (North Yorkshire)	Yorkshire & The Humber	ENG	67.0	56.1	60.4	*44*	*52*	*96*	15	17	32	60	245
E07000167	Ryedale	Yorkshire (North Yorkshire)	Yorkshire & The Humber	ENG	68.6	59.0	62.1	*61*	*78*	*139*	20	26	46	46	177
E07000168	Scarborough	Yorkshire (North Yorkshire)	Yorkshire & The Humber	ENG	81.6	93.5	89.3	*136*	*247*	*383*	45	82	128	1	74
E07000169	Selby	Yorkshire (North Yorkshire)	Yorkshire & The Humber	ENG	54.4	54.6	56.4	*58*	*83*	*141*	19	28	47	104	246
E06000014	York	Yorkshire (North Yorkshire)	Yorkshire & The Humber	ENG	50.7	56.6	55.2	*125*	*219*	*344*	42	73	115	122	269

Table 1.30 Age-standardised death rates per 100,000 and number of deaths for stroke (CBVD), all ages, by local authority, United Kingdom 2017/19

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LA Code	LA/DC/UA	Ceremonial County (Eng/Wal)	Region/Nation	4N	Men	Women	Total	*Men*	*Women*	*Total*	Men	Women	Total	4N	4N
E08000016	Barnsley	Yorkshire (South Yorkshire)	Yorkshire & The Humber	ENG	65.2	53.9	58.5	*184*	*221*	*405*	61	74	135	78	38
E08000017	Doncaster	Yorkshire (South Yorkshire)	Yorkshire & The Humber	ENG	58.6	52.2	54.8	*212*	*271*	*483*	71	90	161	130	41
E08000018	Rotherham	Yorkshire (South Yorkshire)	Yorkshire & The Humber	ENG	58.8	51.9	54.3	*182*	*236*	*418*	61	79	139	144	50
E08000019	Sheffield	Yorkshire (South Yorkshire)	Yorkshire & The Humber	ENG	63.1	54.7	58.0	*386*	*481*	*867*	129	160	289	87	92
E08000032	Bradford	Yorkshire (West Yorkshire)	Yorkshire & The Humber	ENG	72.3	60.4	66.4	*371*	*453*	*824*	124	151	275	17	21
E08000033	Calderdale	Yorkshire (West Yorkshire)	Yorkshire & The Humber	ENG	52.7	54.1	54.7	*123*	*194*	*317*	41	65	106	132	75
E08000034	Kirklees	Yorkshire (West Yorkshire)	Yorkshire & The Humber	ENG	65.8	53.7	58.6	*308*	*365*	*673*	103	122	224	75	86
E08000035	Leeds	Yorkshire (West Yorkshire)	Yorkshire & The Humber	ENG	61.6	55.7	58.2	*468*	*627*	*1,095*	156	209	365	85	91
E08000036	Wakefield	Yorkshire (West Yorkshire)	Yorkshire & The Humber	ENG	59.3	55.1	57.1	*239*	*312*	*551*	80	104	184	99	64
N09000001	Antrim and Newtownabbey		Northern Ireland	NI	63.5	60.3	62.4	*87*	*129*	*216*	29	43	72	5	10
N09000011	Ards and North Down		Northern Ireland	NI	59.2	57.2	57.1	*114*	*161*	*275*	38	54	92	9	9
N09000002	Armagh City, Banbridge and Craigavon		Northern Ireland	NI	51.8	53.0	53.5	*99*	*153*	*252*	33	51	84	10	7
N09000003	Belfast		Northern Ireland	NI	60.5	68.1	57.5	*188*	*286*	*474*	63	95	158	8	4
N09000004	Causeway Coast and Glens		Northern Ireland	NI	71.3	53.1	67.7	*110*	*145*	*255*	37	48	85	4	5
N09000005	Derry City and Strabane		Northern Ireland	NI	76.9	57.5	68.4	*104*	*110*	*214*	35	37	71	1	1
N09000006	Fermanagh and Omagh		Northern Ireland	NI	62.7	60.7	61.6	*71*	*103*	*174*	24	34	58	6	2
N09000007	Lisburn and Castlereagh		Northern Ireland	NI	60.5	64.5	60.5	*97*	*133*	*230*	32	44	77	7	11
N09000008	Mid and East Antrim		Northern Ireland	NI	79.9	58.9	68.3	*123*	*139*	*262*	41	46	87	2	8
N09000009	Mid Ulster		Northern Ireland	NI	80.7	54.4	67.8	*103*	*108*	*211*	34	36	70	3	6
N09000010	Newry, Mourne and Down		Northern Ireland	NI	61.0	47.6	52.2	*102*	*108*	*210*	34	36	70	11	3
S12000033	Aberdeen City		Scotland	SCO	86.1	83.6	84.2	*183*	*283*	*466*	61	94	155	4	26
S12000034	Aberdeenshire		Scotland	SCO	86.9	77.7	82.6	*250*	*320*	*570*	83	107	190	9	29
S12000041	Angus		Scotland	SCO	72.8	70.1	72.4	*120*	*176*	*296*	40	59	99	21	20
S12000035	Argyll and Bute		Scotland	SCO	63.9	70.0	68.6	*84*	*131*	*215*	28	44	72	25	15
S12000036	City of Edinburgh		Scotland	SCO	80.6	68.3	72.8	*381*	*539*	*920*	127	180	307	20	30
S12000005	Clackmannanshire		Scotland	SCO	81.0	69.2	74.7	*47*	*54*	*101*	16	18	34	18	8
S12000006	Dumfries and Galloway		Scotland	SCO	67.9	82.8	77.5	*160*	*259*	*419*	53	86	140	14	10
S12000042	Dundee City		Scotland	SCO	76.9	72.0	74.3	*121*	*184*	*305*	40	61	102	19	7
S12000008	East Ayrshire		Scotland	SCO	87.7	85.7	85.6	*116*	*173*	*289*	39	58	96	2	6
S12000045	East Dunbartonshire		Scotland	SCO	57.6	55.9	57.8	*86*	*127*	*213*	29	42	71	31	31
S12000010	East Lothian		Scotland	SCO	75.8	63.2	68.5	*94*	*117*	*211*	31	39	70	26	22
S12000011	East Renfrewshire		Scotland	SCO	58.3	57.6	58.0	*69*	*109*	*178*	23	36	59	30	32
S12000014	Falkirk		Scotland	SCO	74.7	89.4	83.6	*133*	*225*	*358*	44	75	119	5	16
S12000047	Fife		Scotland	SCO	79.7	74.5	76.4	*347*	*485*	*832*	116	162	277	15	14
S12000049	Glasgow City		Scotland	SCO	90.0	75.9	81.8	*466*	*626*	*1,092*	155	209	364	10	4
S12000017	Highland		Scotland	SCO	69.5	78.8	75.5	*214*	*347*	*561*	71	116	187	16	19
S12000018	Inverclyde		Scotland	SCO	83.1	70.0	75.4	*75*	*113*	*188*	25	38	63	17	3
S12000019	Midlothian		Scotland	SCO	58.8	75.1	69.7	*56*	*101*	*157*	19	34	52	24	18
S12000020	Moray		Scotland	SCO	73.1	87.4	80.7	*89*	*155*	*244*	30	52	81	12	23
S12000013	Na h-Eileanan Siar		Scotland	SCO	87.2	77.2	82.6	*36*	*50*	*86*	12	17	29	7	9
S12000021	North Ayrshire		Scotland	SCO	97.5	81.8	86.1	*150*	*207*	*357*	50	69	119	1	2
S12000050	North Lanarkshire		Scotland	SCO	88.9	74.2	80.2	*288*	*356*	*644*	96	119	215	13	5
S12000023	Orkney Islands		Scotland	SCO	70.5	70.9	71.0	*23*	*30*	*53*	8	10	18	22	25
S12000048	Perth and Kinross		Scotland	SCO	56.2	64.2	61.4	*123*	*213*	*336*	41	71	112	29	27
S12000038	Renfrewshire		Scotland	SCO	92.9	74.1	83.1	*187*	*219*	*406*	62	73	135	6	12
S12000026	Scottish Borders		Scotland	SCO	76.1	66.3	70.8	*123*	*152*	*275*	41	51	92	23	21
S12000027	Shetland Islands		Scotland	SCO	34.7	54.2	49.3	*10*	*20*	*30*	3	7	10	32	24
S12000028	South Ayrshire		Scotland	SCO	78.5	82.4	82.6	*139*	*210*	*349*	46	70	116	8	13
S12000029	South Lanarkshire		Scotland	SCO	79.7	79.3	81.1	*293*	*431*	*724*	98	144	241	11	11
S12000030	Stirling		Scotland	SCO	45.8	72.4	63.9	*50*	*117*	*167*	17	39	56	28	28

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LA Code	LA/DC/UA	Ceremonial County (Eng/Wal)	Region/Nation	4N	Men	Women	Total	*Men*	*Women*	*Total*	Men	Women	Total	4N	4N
S12000039	West Dunbartonshire		Scotland	SCO	94.9	77.1	84.6	*83*	*113*	*196*	28	38	65	3	1
S12000040	West Lothian		Scotland	SCO	64.4	65.7	65.7	*112*	*154*	*266*	37	51	89	27	17
W06000003	Conwy	Clwyd	Wales / Cymru	WAL	50.7	56.9	55.0	*110*	*185*	*295*	37	62	98	17	14
W06000004	Denbighshire / Sir Ddinbych	Clwyd	Wales / Cymru	WAL	61.9	64.4	64.0	*90*	*117*	*207*	30	39	69	7	9
W06000005	Flintshire / Sir y Fflint	Clwyd	Wales / Cymru	WAL	49.1	53.4	52.2	*96*	*141*	*237*	32	47	79	21	18
W06000006	Wrexham / Wrecsam	Clwyd	Wales / Cymru	WAL	47.7	65.2	58.7	*85*	*147*	*232*	28	49	77	12	16
W06000010	Carmarthenshire / Sir Gaerfyrddin	Dyfed	Wales / Cymru	WAL	64.7	53.3	58.7	*181*	*203*	*384*	60	68	128	13	10
W06000008	Ceredigion	Dyfed	Wales / Cymru	WAL	60.3	43.9	51.3	*72*	*73*	*145*	24	24	48	22	20
W06000009	Pembrokeshire / Sir Benfro	Dyfed	Wales / Cymru	WAL	48.7	53.6	52.3	*98*	*154*	*252*	33	51	84	20	13
W06000019	Blaenau Gwent	Gwent	Wales / Cymru	WAL	72.6	72.2	73.1	*60*	*84*	*144*	20	28	48	2	1
W06000018	Caerphilly / Caerffili	Gwent	Wales / Cymru	WAL	63.1	54.7	58.6	*130*	*152*	*282*	43	51	94	14	5
W06000021	Monmouthshire / Sir Fynwy	Gwent	Wales / Cymru	WAL	49.7	54.0	52.8	*75*	*118*	*193*	25	39	64	19	22
W06000022	Newport / Casnewydd	Gwent	Wales / Cymru	WAL	68.7	55.5	62.6	*121*	*132*	*253*	40	44	84	9	7
W06000020	Torfaen / Tor-faen	Gwent	Wales / Cymru	WAL	61.2	54.3	57.6	*72*	*94*	*166*	24	31	55	16	6
W06000002	Gwynedd	Gwynedd	Wales / Cymru	WAL	67.2	60.7	64.1	*121*	*166*	*287*	40	55	96	6	17
W06000001	Isle of Anglesey / Ynys Môn	Gwynedd	Wales / Cymru	WAL	69.2	74.0	71.7	*74*	*118*	*192*	25	39	64	3	11
W06000013	Bridgend / Pen-y-bont ar Ogwr	Mid Glamorgan / Morgannwg Ganol	Wales / Cymru	WAL	70.8	55.5	62.8	*133*	*137*	*270*	44	46	90	8	8
W06000024	Merthyr Tydfil / Merthyr Tudful	Mid Glamorgan / Morgannwg Ganol	Wales / Cymru	WAL	67.4	82.3	76.9	*45*	*75*	*120*	15	25	40	1	2
W06000016	Rhondda Cynon Taf / Rhondda Cynor	Mid Glamorgan / Morgannwg Ganol	Wales / Cymru	WAL	71.1	65.6	68.2	*199*	*254*	*453*	66	85	151	4	4
W06000023	Powys	Powys	Wales / Cymru	WAL	64.4	61.3	64.4	*148*	*202*	*350*	49	67	117	5	21
W06000015	Cardiff / Caerdydd	South Glamorgan / De Morgannwg	Wales / Cymru	WAL	66.0	57.5	62.0	*217*	*298*	*515*	72	99	172	10	15
W06000014	Vale of Glamorgan / Bro Morgannwg	South Glamorgan / De Morgannwg	Wales / Cymru	WAL	51.9	59.3	58.0	*88*	*151*	*239*	29	50	80	15	19
W06000012	Neath Port Talbot / Castell-nedd Por	West Glamorgan / Gorllewin Morgannwg	Wales / Cymru	WAL	53.3	53.0	53.5	*96*	*136*	*232*	32	45	77	18	3
W06000011	Swansea / Abertawe	West Glamorgan / Gorllewin Morgannwg	Wales / Cymru	WAL	69.9	53.2	60.0	*208*	*241*	*449*	69	80	150	11	12

Notes:

ICD-10 codes I60-I69. Directly standardised using the 2013 European Standard Population.

- or * indicates number of deaths considered too small to calculate rate.

Average IMD ranks for Scotland, Wales, and Northern Ireland calculated in line with methodology for used for England

UK local authorities correct to February 2022 - The IMD rankings for Buckinghamshire, North Northamptonshire, and West Northamptonshire are crude averages of their respective pre-2020 and pre-2021 local authority areas.

City of London and Isles of Scilly excluded from IMD and ASDR analysis for England - *sui generis* status (small population)

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

Source:

England: Number of Deaths are taken from NOMIS Mortality Statistics https://www.nomisweb.co.uk/datasets/mortsa

Wales: Number of Deaths are taken from NOMIS Mortality Statistics 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: Average IMD ranks taken from 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 1.31 Deaths and mortality rates for cardiovascular disease (CVD), coronary heart disease (CHD), and stroke (CBVD), by country and continent 2019

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Region	Country	CVD Deaths 2019 estimate	CVD Death Rate (ASDR) 2019	CVD % All Deaths 2019	CHD Deaths 2019 estimate	CHD Death Rate (ASDR) 2019	CHD % All Deaths 2019	Stroke Deaths 2019 estimate	Stroke Death Rate (ASDR) 2019	Stroke % All Deaths 2019
GLOBAL		**18,562,510**	**239.8**	**33%**	**9,137,791**	**118.0**	**16%**	**6,552,725**	**84.2**	**12%**
EUROPE		**3,970,970**	**233.5**	**44%**	**2,150,181**	**126.4**	**24%**	**1,108,872**	**64.4**	**12%**
	Albania	12,904	314.0	57%	6,008	145.8	27%	5,605	136.0	25%
	Andorra	169	105.7	27%	76	47.8	12%	36	23.0	6%
	Austria	32,998	150.6	40%	18,087	83.3	22%	5,374	24.6	7%
	Belarus	75,339	463.1	62%	54,618	334.2	45%	16,906	103.3	14%
	Belgium	33,627	118.6	29%	15,146	54.8	13%	9,326	32.6	8%
	Bosnia and Herzegovina	18,828	343.5	50%	8,817	162.9	24%	7,533	134.9	20%
	Bulgaria	79,119	541.1	64%	34,450	239.1	28%	28,661	191.5	23%
	Croatia	24,721	265.8	47%	13,197	143.8	25%	7,558	78.9	14%
	Cyprus	3,112	190.3	36%	1,596	95.5	18%	745	45.8	9%
	Czechia	51,294	232.2	45%	32,960	149.0	29%	11,530	51.7	10%
	Denmark	15,330	118.8	28%	7,170	55.6	13%	4,540	35.1	8%
	Estonia	8,201	270.6	52%	4,434	144.2	28%	1,193	39.4	8%
	Finland	25,383	173.8	45%	14,812	100.6	26%	5,551	37.7	10%
	France	166,496	91.4	28%	68,325	38.4	11%	44,813	24.5	7%
	Germany	364,285	159.4	38%	184,323	81.4	19%	71,654	31.1	7%
	Greece	55,921	186.8	43%	26,142	91.9	20%	20,416	64.2	16%
	Hungary	61,818	301.6	48%	35,931	174.6	28%	13,091	63.5	10%
	Ireland	10,347	132.8	32%	5,810	74.7	18%	2,363	30.1	7%
	Italy	236,507	126.1	37%	101,159	55.3	16%	67,293	35.2	10%
	Latvia	15,779	356.8	58%	9,021	200.4	33%	4,876	105.9	18%
	Lithuania	21,301	328.8	55%	14,638	222.9	38%	4,886	74.1	13%
	Luxembourg	1,332	116.0	32%	617	54.2	15%	348	30.1	8%
	Malta	1,491	146.7	39%	920	90.8	24%	329	32.0	9%
	Moldova	23,438	405.0	57%	15,367	265.4	37%	5,623	96.7	14%
	Montenegro	3,943	435.5	58%	1,488	164.1	22%	1,882	206.6	28%
	Netherlands	42,569	113.0	27%	17,642	47.4	11%	12,511	33.0	8%
	North Macedonia	14,023	568.7	58%	5,156	209.9	21%	6,911	273.6	29%
	Norway	12,724	111.5	31%	6,271	55.5	15%	3,311	28.7	8%
	Poland	174,736	235.6	43%	97,188	130.3	24%	45,105	61.0	11%
	Portugal	37,353	127.9	32%	12,990	45.8	11%	16,695	56.0	14%
	Romania	150,427	379.6	57%	69,806	177.1	27%	52,826	131.4	20%
	Russian Federation	1,004,931	432.9	56%	562,609	240.6	31%	327,885	139.8	18%
	Serbia	63,769	448.8	54%	28,365	204.4	24%	25,768	174.7	22%
	Slovakia	26,796	298.9	49%	17,777	198.9	33%	5,881	64.8	11%
	Slovenia	7,797	151.1	37%	2,980	59.0	14%	2,050	39.8	10%
	Spain	131,493	106.8	31%	53,632	45.0	13%	37,092	29.3	9%
	Sweden	36,087	138.6	38%	18,975	73.7	20%	8,402	31.8	9%
	Switzerland	23,969	107.1	34%	12,371	55.7	18%	4,881	21.8	7%
	Ukraine	449,376	591.0	64%	325,874	424.2	47%	93,866	122.8	13%
	United Kingdom **	**188,113**	**132.4**	**30%**	**93,398**	**66.8**	**15%**	**50,633**	**34.5**	**8%**
	*England ***	*153,285*	*128.8*	*30%*	*75,550*	*64.5*	*15%*	*40,480*	*32.9*	*8%*
	*Scotland ***	*19,285*	*160.0*	*31%*	*9,925*	*83.7*	*16%*	*5,885*	*47.1*	*10%*
	*Wales ***	*10,519*	*141.0*	*31%*	*5,321*	*72.6*	*16%*	*2,814*	*36.4*	*8%*
	*Northern Ireland ***	*5,024*	*138.6*	*30%*	*2,601*	*72.5*	*15%*	*1,454*	*39.0*	*9%*
NORTH AMERICA		**1,040,308**	**151.7**	**32%**	**606,533**	**88.1**	**19%**	**207,979**	**30.0**	**6%**
	Canada	82,644	107.9	29%	48,774	63.9	17%	18,478	23.6	6%
	United States	957,455	157.0	32%	557,649	91.0	19%	189,456	30.8	6%
LATIN AMERICA & CARIBBEAN		**962,309**	**171.0**	**27%**	**493,002**	**87.5**	**14%**	**281,734**	**50.1**	**8%**
	Brazil	397,993	175.7	28%	171,246	74.9	12%	131,007	58.1	9%
ASIA		**10,832,421**	**253.1**	**35%**	**5,058,283**	**117.7**	**16%**	**4,377,903**	**101.8**	**14%**
	China	4,584,273	276.9	43%	1,874,007	116.4	18%	2,189,175	127.2	21%
	India	2,574,410	256.4	27%	1,519,124	150.5	16%	699,078	69.5	7%
	Japan	372,483	77.0	27%	140,588	29.9	10%	144,662	29.7	10%
	Turkey	176,663	217.5	39%	99,046	121.0	22%	48,947	60.6	11%
	United Arab Emirates	8,621	325.9	30%	4,880	175.4	17%	2,168	91.3	7%
AFRICA		**1,608,114**	**317.9**	**18%**	**765,149**	**154.0**	**9%**	**533,855**	**104.6**	**6%**
	South Africa	82,661	222.7	16%	30,470	81.4	6%	29,770	80.6	6%
AUSTRALASIA		**63,564**	**112.8**	**31%**	**33,125**	**59.0**	**16%**	**15,574**	**27.1**	**8%**
	Australia	51,615	108.1	30%	26,633	56.1	16%	12,763	26.2	7%
	New Zealand	11,948	137.9	35%	6,492	75.0	19%	2,811	31.9	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 from official statistical agencies are shown in table 1.2

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, I28-I28.8, 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

Source: Global Burden of Disease Collaborative Network. http://ghdx.healthdata.org/gbd-results-tool
Global Burden of Disease Study 2019 (GBD 2019) Results. [accessed March 2021]
Seattle, United States: Institute for Health Metrics and Evaluation (IHME), 2020.

Table 1.32 Years of life lost (YLLs) and disability-adjusted life years (DALYs) for CVD, CHD, and stroke, by country and continent 2019

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Region	Country	YLLs CVD A/S 2019 estimate	YLLs CHD A/S 2019 estimate	YLLs Stroke A/S 2019 estimate	DALYs CVD A/S 2019	DALYs CHD A/S 2019	DALYs Stroke A/S 2019
GLOBAL		**4,438.7**	**2,177.0**	**1,550.0**	**4,863.6**	**2,243.5**	**1,768.1**
EUROPE		**4,035.1**	**2,175.4**	**1,059.5**	**4,401.1**	**2,237.9**	**1,230.5**
	Albania	4,967.4	2,362.6	2,007.0	5,433.4	2,442.1	2,204.8
	Andorra	1,571.2	735.8	329.3	1,827.4	775.0	430.5
	Austria	2,068.9	1,175.4	342.2	2,407.5	1,228.1	466.0
	Belarus	8,179.5	5,641.4	1,823.8	8,634.9	5,722.8	2,079.7
	Belgium	1,739.6	852.3	464.7	2,020.6	907.3	569.0
	Bosnia and Herzegovina	5,228.6	2,498.9	1,996.2	5,755.7	2,585.7	2,294.0
	Bulgaria	9,018.5	3,967.0	3,072.6	9,570.4	4,044.9	3,390.2
	Croatia	3,872.3	2,065.7	1,163.4	4,267.0	2,149.3	1,366.7
	Cyprus	2,681.5	1,488.3	569.0	2,938.6	1,538.1	671.2
	Czechia	3,436.5	2,142.8	730.3	3,909.2	2,242.4	931.7
	Denmark	1,720.9	809.8	500.9	1,967.8	846.8	608.5
	Estonia	4,260.1	2,109.1	641.1	4,651.4	2,188.1	812.8
	Finland	2,560.3	1,439.7	536.8	2,864.2	1,495.4	670.9
	France	1,348.5	593.3	357.2	1,628.2	634.3	453.6
	Germany	2,293.2	1,199.3	446.7	2,601.1	1,248.7	565.8
	Greece	2,935.2	1,602.1	871.4	3,198.3	1,650.9	990.8
	Hungary	4,951.0	2,773.8	1,040.7	5,419.9	2,855.5	1,284.2
	Ireland	1,934.0	1,122.0	400.6	2,193.5	1,168.8	497.1
	Italy	1,740.2	806.8	463.1	2,032.1	855.6	559.0
	Latvia	6,148.5	3,214.2	1,619.3	6,603.1	3,302.8	1,862.2
	Lithuania	5,376.2	3,403.2	1,192.6	5,824.0	3,484.8	1,426.0
	Luxembourg	1,664.6	803.8	416.1	1,980.6	861.4	513.2
	Malta	2,233.7	1,406.6	456.0	2,511.2	1,468.4	557.2
	Moldova	6,940.7	4,313.2	1,796.8	7,350.9	4,393.5	2,009.5
	Montenegro	6,875.1	2,733.5	3,067.3	7,344.7	2,825.9	3,315.5
	Netherlands	1,622.5	724.0	453.8	1,883.1	770.4	563.6
	North Macedonia	8,386.9	3,258.0	3,945.6	8,903.0	3,335.0	4,265.9
	Norway	1,561.8	810.6	378.0	1,901.0	868.6	540.5
	Poland	3,733.8	1,986.9	991.1	4,182.8	2,081.4	1,187.3
	Portugal	1,882.7	726.2	771.2	2,149.6	765.1	891.6
	Romania	6,157.7	2,852.0	2,080.8	6,643.7	2,933.5	2,345.9
	Russian Federation	8,003.4	4,218.3	2,333.3	8,476.9	4,300.7	2,601.3
	Serbia	6,393.0	2,934.0	2,452.3	6,881.8	3,017.0	2,742.8
	Slovakia	4,649.2	2,947.5	1,047.1	5,134.0	3,039.4	1,278.6
	Slovenia	2,170.2	913.4	569.3	2,546.3	992.2	722.3
	Spain	1,580.3	715.4	402.6	1,834.1	757.1	502.5
	Sweden	1,913.5	1,042.4	418.6	2,329.2	1,125.1	572.1
	Switzerland	1,420.2	760.8	279.9	1,649.9	801.3	372.3
	Ukraine	10,845.0	7,307.8	2,270.2	11,316.7	7,400.2	2,533.5
	United Kingdom	**2,089.9**	**1,105.7**	**481.0**	**2,362.4**	**1,147.4**	**579.0**
	England	*2,022.8*	*1,059.8*	*459.1*	*2,289.6*	*1,101.1*	*547.0*
	Scotland	*2,611.1*	*1,449.6*	*660.3*	*2,935.9*	*1,489.6*	*842.2*
	Wales	*2,257.0*	*1,225.0*	*509.3*	*2,540.4*	*1,273.9*	*629.0*
	Northern Ireland	*2,170.1*	*1,187.3*	*533.2*	*2,427.9*	*1,234.0*	*632.8*
NORTH AMERICA		**2,648.7**	**1,517.7**	**485.4**	**3,098.8**	**1,569.0**	**689.5**
	Canada	1,690.7	1,020.3	332.0	2,083.1	1,069.1	486.2
	United States	2,763.3	1,577.7	503.7	3,220.5	1,629.4	713.9
LATIN AMERICA & CARIBBEAN		**3,223.0**	**1,621.6**	**952.9**	**3,497.6**	**1,681.3**	**1,060.0**
	Brazil	3,454.4	1,500.6	1,098.7	3,769.7	1,563.3	1,219.6
ASIA		**4,721.5**	**2,239.2**	**1,851.3**	**5,169.0**	**2,310.5**	**2,102.2**
	China	4,393.8	1,791.6	2,097.7	4,938.4	1,885.9	2,412.5
	India	5,300.5	3,146.5	1,391.6	5,587.4	3,201.4	1,505.3
	Japan	1,265.9	502.5	483.0	1,620.5	529.5	730.1
	Turkey	3,611.6	2,060.9	971.3	3,982.9	2,128.4	1,162.6
	United Arab Emirates	5,968.2	3,283.0	1,589.3	6,504.6	3,370.1	1,925.6
AFRICA		**5,913.6**	**2,800.1**	**1,963.9**	**6,350.9**	**2,859.0**	**2,171.7**
	South Africa	3,867.7	1,435.1	1,360.3	4,290.4	1,486.7	1,567.9
AUSTRALASIA		**1,649.8**	**880.2**	**357.6**	**1,951.2**	**926.5**	**460.6**
	Australia	1,568.8	831.6	342.3	1,874.1	879.0	445.2
	New Zealand	2,084.4	1,139.5	439.8	2,364.4	1,180.1	543.7

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, I28-I28.8, 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

Source: Global Burden of Disease Collaborative Network. http://ghdx.healthdata.org/gbd-results-tool
Global Burden of Disease Study 2019 (GBD 2019) Results. [accessed March 2021]
Seattle, United States: Institute for Health Metrics and Evaluation (IHME), 2020.

bhf.org.uk/statistics

Table 2.1 England and UK values corrected 25 June 2021

This chapter reports on the morbidity of a number of heart and circulatory conditions, including cardiovascular disease (CVD), coronary heart disease (CHD), myocardial infarction (heart attack), heart failure, and stroke.

Drawing on data from hospitals and surveys, we present latest estimates and trends.

For comorbidities and more detailed prevalence/incidence data/time series see our 2020 compendium

Heart and Circulatory Disease Statistics 2021 - Chapter 2 - Morbidity - Incidence & Prevalence

INCIDENCE - HOSPITAL ADMISSIONS	
T2.1	Inpatient admissions by main diagnosis in NHS hospitals, by gender, England, Scotland, Wales, Northern Ireland and United Kingdom 2019/20
T2.2a	All inpatient admissions by main diagnosis, England, Scotland, Wales, Northern Ireland and United Kingdom 2005/06 - 2019/20
T2.2b	Inpatient admissions by main diagnosis for men, England, Scotland, Wales, Northern Ireland and United Kingdom 2005/06 - 2019/20
T2.2c	Inpatient admissions by main diagnosis for women, England, Scotland, Wales, Northern Ireland and United Kingdom 2005/06 - 2019/20
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Table 2.1 Inpatient admissions by main diagnosis in National Health Service hospitals by gender, England, Scotland, Wales, Northern Ireland and United Kingdom 2019/20

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	England 2019/20		Scotland 2019/20		Wales 2019/20		Northern Ireland 2019/20		United Kingdom, 2019/20		
All diagnoses	**Men 7,813,516**	**Women 9,380,805**	**Men 580,940**	**Women 637,286**	**Men 359,498**	**Women 447,931**	**Men 263,118**	**Women 256,279**	**Men 9,017,072**	**Women 10,722,301**	**Both 19,739,373**
All heart and circulatory diseases (C38.0, F01, G45, I00-I99, P29, Q20-Q28)	**578,053**	**433,621**	**49,666**	**37,726**	**28,971**	**21,316**	**19,861**	**13,538**	**676,551**	**506,201**	**1,182,752**
Diseases of the circulatory system (I00-I99)	553,477	410,306	47,517	35,582	27,924	20,337	19,373	13,132	648,291	479,357	1,127,648
Coronary heart disease (I20-I25)	171,391	84,171	15,980	8,308	9,092	4,571	8,040	3,192	204,503	100,242	304,745
Angina pectoris (I20)	*28,186*	*17,611*	*2,628*	*1,793*	*1,103*	*739*	*955*	*407*	*32,872*	*20,550*	*53,422*
Myocardial infarction (I21-I22)	*54,114*	*28,713*	*6,876*	*3,749*	*3,343*	*1,676*	*2,975*	*1,355*	*67,308*	*35,493*	*102,801*
Stroke (160-169)	59,116	55,875	6,191	5,877	3,761	3,616	611	623	69,679	65,991	135,670
Atrial fibrillation (I48)	64,437	53,172	5,234	4,375	2,957	2,198	2,200	1,608	74,828	61,353	136,181
Heart failure (I50)	50,426	43,720	4,404	3,734	2,471	2,171	1,866	1,719	59,167	51,344	110,511
Other cardiovascular disease (I00-99 only; not listed above)	208,107	173,368	15,708	13,288	9,643	7,781	6,656	5,990	240,114	200,427	440,541
Malignant neoplasm: Heart (C38.0)	35	43	6	0	0	1	0	0	41	44	85
Vascular dementia (F01)	1,636	1,667	141	190	225	221	22	25	2,024	2,103	4,127
Transient cerebral ischaemic attacks and related syndromes (G45)	10,000	10,701	1,452	1,450	602	563	102	91	12,156	12,805	24,961
Cardiovascular disorders originating in the perinatal period (P29)	2,020	1,814		5	43	24	46	52	2,109	1,895	4,004
Congenital malformations of the circulatory system (Q20-Q28)	10,642	9,334	550	499	177	170	318	238	11,687	10,241	21,928
Diabetes (E10-E14)	34,213	25,604	3,345	2,692	1,820	1,407	1,004	778	40,382	30,481	70,863
Obesity (E66)	2,833	8,101	83	154	28	75	11	14	2,955	8,344	11,299
All cancer (C00-D48)	1,071,644	1,086,774	89,481	103,813	34,580	35,904	37,613	41,093	1,233,318	1,267,584	2,500,902
All diseases of the nervous system (G00-G99)	175,815	209,267	12,670	16,565	7,078	9,874	3,378	4,926	198,941	240,632	439,573
All diseases of the respiratory system (J00-J99)	553,298	572,332	49,447	53,808	33,021	33,820	16,641	17,854	652,407	677,814	1,330,221
All diseases of the digestive system (K00-K93)	1,137,954	1,163,629	79,012	82,370	50,576	52,462	31,811	31,360	1,299,353	1,329,821	2,629,174
All diseases of the genitourinary system (N00-N99)	405,953	516,907	32,851	42,082	21,008	26,956	60,514	51,154	520,326	637,099	1,157,425
Injury and poisoning (S00-T98)	523,329	541,705	51,953	51,458	26,163	25,995	14,147	14,051	615,592	633,209	1,248,801
All other diagnoses	3,330,424	4,822,865	212,432	246,618	156,253	240,122	78,138	81,511	3,777,247	5,391,116	9,168,363

Notes:

Pregnancy cases not included. ICD-10 codes in parentheses.
For England and Northern Ireland, male/female estimates are pro rata based on finished consultant episodes splits, rounded.
'Other cardiovascular disease' refers to I00-I99 minus the sum of I20-I25, I60-I69, I48 and I50
* indicates values have been suppressed.
The gender proportion split for episodes has been applied to the total admissions for England and Northern Ireland

Source:

Public Health Scotland (2020). Personal correspondence.
NHS Wales Informatics Service (2020). Personal correspondence.
NHS Digital (2020). Hospital Episode Statistics 2019/20. https://digital.nhs.uk/data-and-information/publications/statistical/hospital-admitted-patient-care-activity/2019-20
NI Department of Health. https://www.health-ni.gov.uk/publications/acute-episode-based-activity-downloadable-data-201920

Table 2.2a All inpatient admissions by main diagnosis in NHS hospitals, England, Scotland, Wales, Northern Ireland and United Kingdom, 2005/06 - 2019/20

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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
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
	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
	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
	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
	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
	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
	Other cardiovascular disease			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
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
	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
	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
	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
	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
	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
	Other cardiovascular disease				37,849	37,659	36,599	36,603	37,019	37,644	37,027	37,802	30,585	30,191	29,554	28,996
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	48,261
	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	13,663
	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	5,019
	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	5,155
	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	4,642
	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	7,377
	Other cardiovascular disease	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	17,424
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
	Coronary heart disease (I20-I25)							12,300	12,700	13,700	13,000	12,700	12,100	11,600	12,000	11,232
	Myocardial infarction (I21-I22)							2,600	3,600	4,100	4,100	4,300	4,500	4,400	4,200	4,330
	Atrial fibrillation (I48)							4,000	3,900	3,800	3,800	4,300	4,100	3,900	3,800	3,808
	Heart Failure (I50)							2,400	2,700	2,800	2,800	2,800	2,900	3,000	3,200	3,585
	Stroke (I60-I69)							2,200	2,000	2,200	1,660	1,450	1,400	1,420	1,310	1,234
	Other cardiovascular disease							18,100	14,400	14,300	14,540	13,450	12,300	12,180	12,690	12,646
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**	**1,127,648**
	Coronary heart disease (I20-I25)							335,851	330,552	328,162	320,939	318,154	317,115	312,763	311,519	304,745
	Myocardial infarction (I21-I22)							82,185	95,606	98,114	97,695	99,857	101,002	101,845	100,963	102,801
	Atrial fibrillation (I48)							114,787	116,766	119,556	121,029	127,122	128,624	128,580	134,707	136,180
	Heart Failure (I50)							74,534	76,743	78,459	84,453	91,667	95,764	99,840	101,938	110,511
	Stroke (I60-I69)							127,312	127,963	127,513	128,038	129,744	128,571	129,556	131,862	135,670
	Other cardiovascular disease							473,661	457,753	472,780	486,206	506,355	414,484	417,478	433,323	440,574

Notes:

Pregnancy cases not included. ICD-10 codes in parentheses.

'Other cardiovascular disease' refers to I00-I99 minus the sum of I20-I25, I60-I69, I48 and I50

The gender proportion split for episodes has been applied to the total admissions for England and Northern Ireland

Source:

England 2007/08 to 2017/18 figures from CLAHRC West Midlands Secondary Care Data

Public Health Scotland (2020). Personal correspondence.

NHS Wales Informatics Service (2020). Personal Correspondence.

NHS Digital (2020). Hospital Episode Statistics 2019/20. https://digital.nhs.uk/data-and-information/publications/statistical/hospital-admitted-patient-care-activity/2019-20

NI Department of Health. https://www.health-ni.gov.uk/publications/acute-episode-based-activity-downloadable-data-201920

Table 2.2b All inpatient admissions by main diagnosis in NHS hospitals in men, England, Scotland, Wales, Northern Ireland and United Kingdom, 2005/06 - 2019/20

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MALE		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
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
	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
	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
	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
	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
	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
	Other cardiovascular disease			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
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
	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
	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
	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
	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
	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
	Other cardiovascular disease				19,023	18,982	18,770	18,874	19,166	19,533	19,346	19,894	16,517	16,357	16,009	15,708
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	27,924
	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	9,092
	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	3,343
	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	2,957
	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	4,642
	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	2,471
	Other cardiovascular disease	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
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
	Coronary heart disease (I20-I25)							8,300	8,600	9,500	9,000	8,800	8,300	8,100	8,400	8,040
	Myocardial infarction (I21-I22)							1,600	2,300	2,700	2,700	2,800	3,000	3,000	2,900	2,975
	Atrial fibrillation (I48)							2,300	2,100	2,100	2,200	2,400	2,300	2,200	2,100	2,200
	Heart Failure (I50)							1,100	1,300	1,400	1,400	1,400	1,400	1,500	1,600	1,866
	Stroke (I60-I69)							1,100	1,000	1,100	830	740	660	680	630	611
	Other cardiovascular disease							9,400	7,100	7,200	7,270	6,860	6,440	6,220	6,570	6,856
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**	**648,291**
	Coronary heart disease (I20-I25)							223,285	221,228	220,635	216,351	214,654	214,334	212,195	208,326	204,503
	Myocardial infarction (I21-I22)							51,933	61,598	63,944	63,856	65,354	66,634	67,448	65,699	67,308
	Atrial fibrillation (I48)							64,434	65,698	66,670	67,918	71,973	73,008	72,909	73,836	74,828
	Heart Failure (I50)							39,311	40,567	41,701	45,191	49,332	51,802	54,620	54,806	59,168
	Stroke (I60-I69)							63,235	63,942	63,822	64,568	66,180	65,949	66,465	67,546	69,679
	Other cardiovascular disease							253,661	245,932	253,476	258,455	269,928	225,926	228,372	235,847	242,694

Notes:

Pregnancy cases not included. ICD-10 codes in parentheses.

'Other cardiovascular disease' refers to I00-I99 minus the sum of I20-I25, I60-I69, I48 and I50

The gender proportion split for episodes has been applied to the total admissions for England and Northern Ireland

Source:

England 2007/08 to 2017/18 figures from CLAHRC West Midlands Secondary Care Data

Public Health Scotland (2020). Personal correspondence.

NHS Wales Informatics Service (2020). Personal Correspondence.

NHS Digital (2020). Hospital Episode Statistics 2019/20. https://digital.nhs.uk/data-and-information/publications/statistical/hospital-admitted-patient-care-activity/2019-20

NI Department of Health. https://www.health-ni.gov.uk/publications/acute-episode-based-activity-downloadable-data-201920

Table 2.2c Inpatient admissions by main diagnosis in NHS hospitals in women, England, Scotland, Wales, Northern Ireland and United Kingdom, 2005/06 - 2019/20

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FEMALE		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
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
	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
	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
	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
	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
	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
	Other cardiovascular disease			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
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
	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
	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
	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
	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
	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
	Other cardiovascular disease				18,826	18,677	17,829	17,729	17,853	18,111	17,681	17,908	14,068	13,834	13,545	13,288
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	20,337
	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	4,571
	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	1,676
	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	2,198
	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	2,171
	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	3,616
	Other cardiovascular disease	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	7,781
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						
	Coronary heart disease (I20-I25)	4,000	4,100	4,200	4,000	3,900	3,800	3,500	3,600	3,192						
	Myocardial infarction (I21-I22)	1,000	1,300	1,400	1,400	1,500	1,500	1,400	1,300	1,355						
	Atrial fibrillation (I48)	1,700	1,800	1,700	1,600	1,900	1,800	1,700	1,700	1,608						
	Heart Failure (I50)	1,300	1,400	1,400	1,400	1,400	1,500	1,500	1,600	1,719						
	Stroke (I60-I69)	1,100	1,000	1,100	830	710	740	740	680	623						
	Other cardiovascular disease	8,700	7,300	7,100	7,270	6,590	5,860	5,960	6,120	5,790						
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**	**479,357**						
	Coronary heart disease (I20-I25)	112,566	109,324	107,527	104,588	103,500	102,781	100,568	103,193	100,243						
	Myocardial infarction (I21-I22)	30,252	34,008	34,170	33,839	34,503	34,368	34,397	35,264	35,492						
	Atrial fibrillation (I48)	50,353	51,068	52,886	53,111	55,149	55,616	55,671	60,871	61,352						
	Heart Failure (I50)	35,223	36,176	36,758	39,262	42,335	43,962	45,220	47,132	51,344						
	Stroke (I60-I69)	64,077	64,021	63,691	63,470	63,564	62,622	63,091	64,316	65,991						
	Other cardiovascular disease	220,000	211,821	219,304	227,751	236,427	188,558	189,106	197,476	197,880						

Notes:

Pregnancy cases not included. ICD-10 codes in parentheses.
'Other cardiovascular disease' refers to I00-I99 minus the sum of I20-I25, I60-I69, I48 and I50
The gender proportion split for episodes has been applied to the total admissions for England and Northern Ireland

Source:

England 2007/08 to 2017/18 figures from CLAHRC West Midlands Secondary Care Data
Public Health Scotland (2020). Personal correspondence.
NHS Wales Informatics Service (2020). Personal Correspondence.
NHS Digital (2020). Hospital Episode Statistics 2019/20. https://digital.nhs.uk/data-and-information/publications/statistical/hospital-admitted-patient-care-activity/2019-20
NI Department of Health. https://www.health-ni.gov.uk/publications/acute-episode-based-activity-downloadable-data-201920

Table 2.3 Inpatient episodes by main diagnosis in National Health Service hospitals by gender, England, Scotland, Wales, Northern Ireland and United Kingdom 2019/20

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	England 2019/20		Scotland 2019/20		Wales 2019/20		Northern Ireland 2019/20		United Kingdom, 2019/20		
	Men	Women	Men	Women	Men	Women	Men	Women	Men	Women	Both
All diagnoses	**9,498,494**	**11,403,768**	**811,240**	**877,609**	**446,890**	**540,057**	**329,903**	**321,328**	**11,086,527**	**13,142,762**	**24,229,289**
All heart and circulatory diseases (C38.0, F01, G45, I00-I99, P29, Q20-Q28)	**915,660**	**686,874**	**100,828**	**76,592**	**44,164**	**33,091**	**28,150**	**19,188**	**1,088,802**	**815,745**	**1,904,547**
Diseases of the circulatory system (I00-I99)	881,061	653,153	97,301	72,970	42,751	31,746	27,529	18,660	1,048,642	776,529	1,825,171
Coronary heart disease (I20-I25)	264,188	129,745	34,176	17,300	13,696	6,926	10,525	4,179	322,585	158,150	480,735
Angina pectoris (I20)	*41,887*	*26,172*	*3,888*	*2,594*	*1,625*	*1,045*	*1,291*	*551*	*48,691*	*30,362*	*79,053*
Myocardial infarction (I21-I22)	*108,764*	*57,710*	*17,404*	*9,617*	*6,041*	*3,043*	*4,554*	*2,082*	*136,763*	*72,452*	*209,215*
Stroke (I60-I69)	113,534	107,309	15,408	15,210	5,796	5,613	1,036	1,058	135,774	129,190	264,964
Atrial fibrillation (I48)	89,978	74,248	7,766	7,191	4,018	3,338	2,919	2,133	104,681	86,910	191,591
Heart failure (I50)	110,004	95,374	10,419	9,239	4,965	4,432	3,518	3,240	128,906	112,285	241,191
Other cardiovascular disease (I00-99 only; not listed above)	303,357	246,477	29,532	24,030	14,276	11,437	9,531	8,050	356,696	289,994	646,690
Malignant neoplasm: Heart (C38.0)	48	58	7	6	0	2	0	0	55	66	121
Vascular dementia (F01)	3,888	3,962	284	406	369	363	52	58	4,593	4,789	9,382
Transient cerebral ischaemic attacks and related syndromes (G45)	14,289	15,291	2,290	2,372	798	768	174	156	17,551	18,587	36,138
Cardiovascular disorders originating in the perinatal period (P29)	2,357	2,116	0	5	54	26	48	55	2,459	2,202	4,661
Congenital malformations of the circulatory system (Q20-Q28)	14,017	12,294	946	833	192	186	347	259	15,502	13,572	29,074
Diabetes (E10-E14)	56,972	42,636	5,923	4,864	2,970	2,330	2,027	1,569	67,892	51,399	119,291
Obesity (E66)	3,147	8,999	158	227	41	107	22	26	3,368	9,359	12,727
All cancer (C00-D48)	1,163,877	1,180,310	106,099	119,849	38,920	39,472	40,533	44,283	1,349,429	1,383,914	2,733,343
All diseases of the nervous system (G00-G99)	217,565	258,961	17,350	21,774	8,778	11,828	4,479	6,532	248,172	299,095	547,267
All diseases of the respiratory system (J00-J99)	908,824	940,089	83,617	93,334	48,527	50,456	28,805	30,903	1,069,773	1,114,782	2,184,555
All diseases of the digestive system (K00-K93)	1,320,412	1,350,204	98,693	103,145	58,462	60,044	40,157	39,587	1,517,724	1,552,980	3,070,704
All diseases of the genitourinary system (N00-N99)	519,684	661,723	44,214	57,048	26,795	33,281	66,724	56,404	657,417	808,456	1,465,873
Injury and poisoning (S00-T98)	664,514	687,848	73,283	77,531	31,030	31,274	20,716	20,575	789,543	817,228	1,606,771
All other diagnoses	3,727,839	5,586,124	281,075	323,245	187,203	278,174	98,290	102,261	4,294,407	6,289,804	10,584,211

Notes:

Finished consultant episodes (FCE); ordinary admissions and day cases combined. Pregnancy cases not included. ICD-10 codes in parentheses.
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.
'Other cardiovascular disease' refers to I00-I99 minus the sum of I20-I25, I60-I69, I48 and I50

Source:

NHS Digital (2020). Hospital Episode Statistics 2019/20. https://digital.nhs.uk/data-and-information/publications/statistical/hospital-admitted-patient-care-activity/2019-20

Public Health Scotland (2020). Personal correspondence.

NHS Wales Informatics Service (2020). Personal correspondence.

NI Department of Health. https://www.health-ni.gov.uk/publications/acute-episode-based-activity-downloadable-data-201920

Table 2.4a All inpatient episodes by main diagnosis in NHS hospitals, England, Scotland, Wales, Northern Ireland and United Kingdom, 2005/06 - 2019/20

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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
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
	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
	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
	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
	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
	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
	Other cardiovascular disease	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
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
	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
	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
	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
	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
	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
	Other cardiovascular disease				52,465	52,363	52,502	52,828	53,739	56,647	56,600	60,582	53,522	53,226	53,136	54,912
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	74,497
	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	20,622
	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	9,084
	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	7,356
	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	9,397
	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	11,409
	Other cardiovascular disease	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	25,713
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					
	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					
	Myocardial infarction (I21-I22)		3,540	4,614	5,288	5,369	5,776	5,985	6,081	6,243	6,636					
	Atrial fibrillation (I48)		4,490	4,518	4,410	4,478	5,205	4,859	4,824	4,982	5,052					
	Heart Failure (I50)		3,660	4,131	4,360	4,731	5,011	4,990	5,427	6,093	6,758					
	Stroke (I60-I69)	4,872	3,199	2,943	3,383	2,486	2,202	2,208	2,313	2,219	2,094					
	Other cardiovascular disease		21,208	16,763	16,765	17,883	17,107	16,196	16,294	17,651	17,581					
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**	**1,825,171**					
	Coronary heart disease (I20-I25)	496,412	500,668	493,263	492,283	480,943	481,728	483,825	483,945	490,292	480,735					
	Myocardial infarction (I21-I22)		160,310	182,390	189,939	188,385	197,055	201,841	205,032	207,449	209,215					
	Atrial fibrillation (I48)		157,390	160,913	164,989	166,624	175,427	177,583	177,894	190,614	191,591					
	Heart Failure (I50)		145,447	152,754	160,191	173,744	191,278	201,082	212,474	221,967	241,191					
	Stroke (I60-I69)	239,005	232,923	236,172	239,515	240,146	246,617	248,946	254,193	258,455	264,964					
	Other cardiovascular disease		629,960	612,198	636,098	651,799	684,732	594,966	605,825	634,739	646,690					

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)
'Other cardiovascular disease' refers to I00-I99 minus the sum of I20-I25, I60-I69, I48 and I50

Source:

NHS Digital (2020). Hospital Episode Statistics. https://digital.nhs.uk/data-and-information/publications/statistical/hospital-admitted-patient-care-activity/
Public Health Scotland (2020). Personal correspondence.
NHS Wales Informatics Service (2020). Personal correspondence.
NI Department of Health. https://www.health-ni.gov.uk/publications/acute-episode-based-activity-downloadable-data-201920

Table 2.4b Inpatient episodes by main diagnosis in NHS hospitals in men, England, Scotland, Wales, Northern Ireland and United Kingdom, 2005/06 - 2019/20

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MEN		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
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
	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
	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
	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
	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
	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
	Other cardiovascular disease	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
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
	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
	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
	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
	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
	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
	Other cardiovascular disease				27,177	27,351	27,740	27,979	28,607	30,218	30,302	32,954	29,501	29,405	29,294	29,532
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	42,751
	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	13,696
	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	6,041
	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	4,018
	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	4,965
	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	5,796
	Other cardiovascular disease	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	14,276
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
	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
	Myocardial infarction (I21-I22)							2,186	2,962	3,461	3,518	3,784	3,938	4,082	4,327	4,554
	Atrial fibrillation (I48)							2,605	2,410	2,458	2,559	2,876	2,777	2,702	2,764	2,919
	Heart Failure (I50)							1,702	1,977	2,175	2,382	2,522	2,397	2,725	3,022	3,518
	Stroke (I60-I69)						2,485	1,628	1,437	1,742	1,242	1,126	1,039	1,108	1,071	1,036
	Other cardiovascular disease							11,135	8,484	8,602	9,172	9,012	8,739	8,634	9,466	9,531
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**	**1,048,642**
	Coronary heart disease (I20-I25)						323,010	326,136	323,705	324,605	318,102	318,408	321,138	322,268	327,589	322,585
	Myocardial infarction (I21-I22)							98,146	114,500	120,536	120,100	125,638	129,855	132,310	134,783	136,763
	Atrial fibrillation (I48)							84,722	86,712	88,333	89,415	95,321	96,362	96,522	103,509	104,681
	Heart Failure (I50)							75,888	79,853	84,346	91,549	101,303	106,684	114,244	119,247	128,906
	Stroke (I60-I69)						115,957	113,368	115,875	118,273	119,212	123,365	125,462	127,851	132,326	135,774
	Other cardiovascular disease							339,109	330,245	342,532	349,784	369,076	325,583	332,507	349,950	356,696

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)

'Other cardiovascular disease' refers to I00-I99 minus the sum of I20-I25, I60-I69, I48 and I50

Source:

NHS Digital (2020). Hospital Episode Statistics. https://digital.nhs.uk/data-and-information/publications/statistical/hospital-admitted-patient-care-activity/

Public Health Scotland (2020). Personal correspondence.

NHS Wales Informatics Service (2020). Personal correspondence.

NI Department of Health. https://www.health-ni.gov.uk/publications/acute-episode-based-activity-downloadable-data-201920

Table 2.4c Inpatient episodes by main diagnosis in NHS hospitals in women, England, Scotland, Wales, Northern Ireland and United Kingdom, 2005/06 - 2019/20

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WOMEN		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
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
	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
	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
	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
	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
	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
	Other cardiovascular disease	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
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
	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
	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
	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
	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
	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
	Other cardiovascular disease				25,288	25,012	24,762	24,849	25,132	26,429	26,298	27,628	24,021	23,821	23,842	24,030
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	31,746
	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	6,926
	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	3,043
	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	3,338
	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	4,432
	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	5,613
	Other cardiovascular disease	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	11,437
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					
	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					
	Myocardial infarction (I21-I22)		1,354	1,652	1,827	1,851	1,992	2,047	1,999	1,916	2,082					
	Atrial fibrillation (I48)		1,885	2,108	1,952	1,919	2,329	2,082	2,122	2,218	2,133					
	Heart Failure (I50)		1,958	2,154	2,185	2,349	2,489	2,593	2,702	3,071	3,240					
	Stroke (I60-I69)	2,387	1,571	1,506	1,641	1,244	1,076	1,169	1,205	1,148	1,058					
	Other cardiovascular disease		10,073	8,279	8,163	8,711	8,095	7,457	7,660	8,185	8,050					
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**	**776,529**					
	Coronary heart disease (I20-I25)	173,402	174,532	169,558	167,678	162,841	163,320	162,687	161,677	162,703	158,150					
	Myocardial infarction (I21-I22)		62,164	67,890	69,403	68,285	71,417	71,986	72,722	72,666	72,452					
	Atrial fibrillation (I48)		72,668	74,201	76,656	77,209	80,106	81,221	81,372	87,105	86,910					
	Heart Failure (I50)		69,559	72,901	75,845	82,195	89,975	94,398	98,230	102,720	112,285					
	Stroke (I60-I69)	123,048	119,555	120,297	121,242	120,934	123,252	123,484	126,342	126,129	129,190					
	Other cardiovascular disease		290,851	281,953	293,566	302,015	315,656	269,383	273,318	284,789	289,994					

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)
'Other cardiovascular disease' refers to I00-I99 minus the sum of I20-I25, I60-I69, I48 and I50

Source:

NHS Digital (2020). Hospital Episode Statistics. https://digital.nhs.uk/data-and-information/publications/statistical/hospital-admitted-patient-care-activity/
Public Health Scotland (2020). Personal correspondence.
NHS Wales Informatics Service (2020). Personal correspondence.
NI Department of Health. https://www.health-ni.gov.uk/publications/acute-episode-based-activity-downloadable-data-201920

Table 2.5 Incidence of cardiovascular disease (CVD), coronary heart disease (CHD), and stroke (CBVD) by nation and region, United Kingdom 2019

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Country	English Region	Incidence CVD 2019 est	Incidence A/S CVD 2019 est	Incidence CHD 2019 est	Incidence A/S CHD 2019 est	Incidence Stroke 2019 est	Incidence Stroke A/S 2019
	East Midlands	48,848	564.1	16,753	187.9	5,257	60.0
	East of England	62,304	552.2	20,773	176.6	6,781	58.0
	Greater London	61,360	543.6	19,584	169.4	6,558	56.2
	North East England	29,784	612.2	10,998	220.7	3,125	64.0
	North West England	76,284	596.7	26,512	201.7	8,321	64.2
	South East England	87,621	536.6	27,401	161.3	9,706	57.0
	South West England	59,197	543.3	19,515	171.8	6,719	59.0
	West Midlands	56,723	556.1	18,842	179.2	6,376	60.7
	Yorkshire and the Humber	55,112	572.5	19,755	200.3	6,055	61.9
England		*537,232*	*559.9*	*180,133*	*181.8*	*58,900*	*59.7*
Scotland		*56,500*	*551.9*	*19,880*	*189.1*	*9,071*	*86.7*
Wales		*32,179*	*525.7*	*12,046*	*190.0*	*3,999*	*65.2*
Northern Ireland		*16,597*	*532.7*	*5,973*	*187.3*	*2,217*	*70.5*
United Kingdom		**642,508**	**556.7**	**218,032**	**183.0**	**74,187**	**62.6**

Notes: All figures are 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, I28-I28.8, 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

Source: Global Burden of Disease Collaborative Network. http://ghdx.healthdata.org/gbd-results-tool [accessed March 2021]
Global Burden of Disease Study 2019 (GBD 2019) Results.
Seattle, United States: Institute for Health Metrics and Evaluation (IHME), 2020.

Table 2.6 Incidence of cardiovascular disease (CVD), coronary heart disease (CHD), and stroke (CBVD), by country and continent 2019

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Region	Country	Incidence CVD 2019 est	Incidence A/S CVD 2019 est	Incidence CHD 2019 est	Incidence A/S CHD 2019 est	Incidence Stroke 2019 est	Incidence Stroke A/S 2019
GLOBAL		**55,451,741**	**684.3**	**21,203,479**	**262.4**	**12,224,551**	**150.8**
EUROPE		**10,386,576**	**704.0**	**4,483,454**	**289.6**	**1,691,127**	**115.9**
	Albania	28,094	697.5	10,442	246.3	6,410	158.2
	Andorra	708	516.8	250	180.6	95	69.3
	Austria	107,625	654.2	37,747	215.4	13,290	80.2
	Belarus	159,263	1,018.5	87,861	546.1	28,386	187.3
	Belgium	116,242	546.5	43,494	197.5	15,219	69.3
	Bosnia and Herzegovina	45,211	796.3	16,922	293.7	11,483	206.1
	Bulgaria	114,830	840.1	47,610	332.7	32,386	236.2
	Croatia	54,897	674.3	21,547	249.5	10,988	129.9
	Cyprus	9,400	498.4	2,504	132.1	1,222	69.7
	Czechia	153,431	791.7	73,703	364.2	22,203	114.2
	Denmark	65,155	608.8	22,683	207.4	7,749	72.4
	Estonia	25,591	1,021.2	15,950	594.6	2,333	100.6
	Finland	71,490	630.4	29,663	247.9	10,007	89.9
	France	630,635	499.6	227,286	170.5	79,428	61.4
	Germany	1,070,360	605.3	458,738	242.9	135,705	76.5
	Greece	124,184	558.7	45,114	190.4	21,906	89.4
	Hungary	146,940	816.8	62,412	325.8	26,262	146.3
	Ireland	39,738	552.4	14,498	199.0	4,225	60.2
	Italy	879,388	718.8	319,847	241.1	94,074	68.9
	Latvia	34,869	910.0	17,764	432.5	6,990	183.6
	Lithuania	49,871	899.5	25,844	431.0	9,369	173.4
	Luxembourg	4,990	522.7	1,429	145.6	596	61.4
	Malta	4,515	524.2	1,334	152.0	608	71.3
	Moldova	52,874	934.1	28,056	488.4	9,413	169.5
	Montenegro	7,760	822.2	2,838	294.8	2,135	232.7
	Netherlands	193,681	610.7	85,281	267.2	23,174	73.5
	North Macedonia	24,503	806.7	8,524	280.7	7,529	259.3
	Norway	54,930	626.3	17,012	185.0	7,988	89.7
	Poland	344,392	526.8	85,754	124.8	74,455	113.4
	Portugal	96,119	435.1	19,264	82.7	18,186	76.6
	Romania	274,482	776.4	109,537	293.0	66,930	184.4
	Russian Federation	2,256,855	986.9	1,099,256	470.1	445,959	198.1
	Serbia	135,707	920.4	60,265	405.8	30,995	206.7
	Slovakia	62,150	704.7	26,586	296.5	12,293	140.5
	Slovenia	26,237	661.7	10,913	257.6	3,629	88.9
	Spain	457,183	516.4	166,334	182.1	61,102	65.4
	Sweden	114,074	597.6	38,484	187.8	15,721	81.1
	Switzerland	83,445	511.7	29,752	174.0	9,792	58.9
	Ukraine	844,879	1,139.7	499,577	654.3	127,477	182.0
	United Kingdom	**642,508**	**556.7**	**218,032**	**183.0**	**74,187**	**62.6**
	England	*537,232*	*559.9*	*180,133*	*181.8*	*58,900*	*59.7*
	Scotland	*56,500*	*551.9*	*19,880*	*189.1*	*9,071*	*86.7*
	Wales	*32,179*	*525.7*	*12,046*	*190.0*	*3,999*	*65.2*
	Northern Ireland	*16,597*	*532.7*	*5,973*	*187.3*	*2,217*	*70.5*
NORTH AMERICA		**4,103,135**	**686.4**	**1,089,947**	**177.7**	**498,551**	**84.8**
	Canada	408,831	627.4	130,013	196.0	42,740	66.7
	United States	3,693,571	693.5	959,514	175.5	455,717	87.0
LATIN AMERICA & CARIBBEAN		**2,803,489**	**481.2**	**937,446**	**160.7**	**638,076**	**109.2**
	Brazil	1,095,891	474.9	260,661	109.9	295,510	127.0
ASIA		**32,376,834**	**685.8**	**12,543,833**	**269.7**	**8,111,044**	**170.9**
	China	12,341,074	652.2	3,500,281	197.4	3,935,182	200.8
	India	8,746,953	761.3	4,742,991	427.4	1,291,245	110.7
	Japan	1,537,275	538.1	436,411	126.3	405,022	145.8
	Turkey	574,814	663.0	281,417	325.5	125,345	145.6
	United Arab Emirates	54,088	1,121.5	27,614	654.0	14,482	262.2
AFRICA		**5,341,703**	**737.0**	**2,006,179**	**337.9**	**1,208,520**	**172.3**
	South Africa	309,575	677.8	106,721	244.2	70,796	162.0
AUSTRALASIA		**331,884**	**707.8**	**164,211**	**345.2**	**30,178**	**65.1**
	Australia	284,766	721.5	143,991	360.3	25,524	65.0
	New Zealand	47,118	635.5	20,219	265.6	4,654	65.4

Notes: All figures are 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, I28-I28.8, 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

Source: Global Burden of Disease Collaborative Network. http://ghdx.healthdata.org/gbd-results-tool
Global Burden of Disease Study 2019 (GBD 2019) Results. [accessed March 2021]
Seattle, United States: Institute for Health Metrics and Evaluation (IHME), 2020.

Table 2.7 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		Hypertension Register		Heart Failure Register		Atrial Fibrillation Register		Peripheral Arterial Disease (PAD) Register		BHF Heart & Circulatory Diseases (CVD) Estimate	
			N	%	N	%	N	%	N	%	N	%	N	%	N	%
East Midlands	*E12000004*	*5,126,178*	170,077	3.3	98,213	1.9	762,163	14.9	54,992	1.1	112,190	2.2	32,957	0.6	580,000	11.3
East of England	*E12000006*	*6,729,103*	206,225	3.1	119,715	1.8	971,163	14.4	57,950	0.9	144,119	2.1	35,373	0.5	700,000	10.4
London	*E12000007*	*10,403,977*	200,932	1.9	110,870	1.1	1,137,771	10.9	56,605	0.5	116,774	1.1	33,857	0.3	640,000	6.2
North East England	*E12000001*	*2,823,490*	114,817	4.1	64,824	2.3	450,956	16.0	34,990	1.2	65,073	2.3	25,511	0.9	380,000	13.5
North West England	*E12000002*	*7,976,906*	287,613	3.6	159,064	2.0	1,183,103	14.8	82,575	1.0	175,229	2.2	64,423	0.8	950,000	11.9
South East England	*E12000008*	*9,908,950*	282,588	2.9	175,216	1.8	1,403,970	14.2	81,269	0.8	224,164	2.3	51,383	0.5	1,000,000	10.1
South West England	*E12000009*	*5,991,967*	214,333	3.6	133,752	2.2	900,128	15.0	63,167	1.1	158,248	2.6	39,935	0.7	760,000	12.7
West Midlands	*E12000005*	*6,415,743*	206,119	3.2	120,067	1.9	951,594	14.8	57,869	0.9	132,452	2.1	37,772	0.6	690,000	10.8
Yorkshire and The Humber	*E12000003*	*5,971,020*	212,609	3.6	119,251	2.0	873,742	14.6	59,320	1.0	127,673	2.1	45,287	0.8	700,000	11.7
England (2019/20)	*E92000001*	*61,347,334*	1,895,313	3.1	1,100,972	1.8	8,634,590	14.1	548,737	0.9	1,255,922	2.0	366,498	0.6	6,400,000	10.3
Scotland (2018/19)	*S92000003*	*5,723,722*	225,080	3.9	130,317	2.3	790,800	13.8	48,430	0.8	108,359	1.9	48,037	0.8	700,000	12.2
Wales (2018/19)	*W92000004*	*3,243,498*	117,733	3.6	68,870	2.1	512,542	15.8	34,453	1.1	76,032	2.3	-	-	340,000	10.5
Northern Ireland (2019/20)	*N92000002*	*2,001,621*	74,361	3.7	38,801	1.9	279,624	14.0	19,378	1.0	41,398	2.1	-	-	225,000	11.3
UK	*K02000001*	***72,316,175***	**2,312,487**	**3.2**	**1,338,960**	**1.9**	**10,217,556**	**14.1**	**650,998**	**0.9**	**1,481,711**	**2.0**	-	-	**7,600,000**	10.5

Notes:

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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)
England includes some 2018/19 data - around 200 current practices were missing from the published 2019/20 data because of the coronavirus pandemic (BHF analysis)
For Scotland, adjustments have been made for areas where patients were missing from lists.
BHF CVD estimates based on latest prevalence data; NHS Digital/PH Scotland/StatsWales/DH Northern Ireland and health surveys: NHS Digital (England) and Welsh/Scottish Government; plus ONS population estimates

Source:

England - Health and Social Care Information Centre. QOF prevalence data 2019/20
https://digital.nhs.uk/data-and-information/publications/statistical/quality-and-outcomes-framework-achievement-prevalence-and-exceptions-data/2019-20
Wales - StatsWales. QOF prevalence data 2018/19 (series discontinued)
https://gov.wales/general-medical-services-contract-quality-and-outcomes-framework-april-2018-march-2019
Scotland - Public Health Scotland. GP prevalence data 2018/19
https://beta.isdscotland.org/find-publications-and-data/health-services/primary-care/general-practice-disease-prevalence-data-visualisation/
Northern Ireland - Department of Health, QOF prevalence data 2019/20
https://www.health-ni.gov.uk/topics/doh-statistics-and-research/quality-outcomes-framework-qof

Table 2.8 Prevalence of selected cardiovascular conditions, England 2004/05-2019/20

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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
	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%
CHD	3.6	3.6	3.5	3.5	3.5	3.4	3.4	3.4	3.3	3.3	3.2	3.2	3.2	3.1	3.1	3.1
Stroke and TIA	1.5	1.6	1.6	1.6	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.8	1.8	1.8
Atrial fibrillation			1.3	1.3	1.3	1.4	1.4	1.5	1.5	1.5	1.6	1.7	1.8	1.9	2.0	2.0
Heart failure			0.8	0.8	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.8	0.8	0.8	0.9	0.9

Notes: CHD: Coronary Heart Disease. TIA: Transient Ischaemic Attack.

Source: England - Health and Social Care Information Centre. QOF prevalence data, https://digital.nhs.uk/data-and-information/publications/statistical/quality-and-outcomes-framework-achievement-prevalence-and-exceptions-data/2019-20

Table 2.9 Prevalence of selected cardiovascular conditions, Scotland 2008/09-2018/19

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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
	%	%	%	%	%	%	%	%	%	%	%
CHD	4.4	4.4	4.4	4.4	4.3	4.3	4.1	4.1	4.0	4.0	3.9
Stroke and TIA	2.0	2.1	2.1	2.1	2.1	2.2	2.2	2.2	2.2	2.2	2.3
Atrial fibrillation	1.3	1.4	1.4	1.5	1.5	1.6	1.6	1.7	1.8	1.8	1.9
Heart failure	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8

Notes: CHD: Coronary Heart Disease. TIA: Transient Ischaemic Attack.

Source: Public Health Scotland. QOF prevalence data to 2015/16. 2018/19 data by GP:

Table 2.10 Prevalence of selected cardiovascular conditions, Wales 2006/07-2018/19

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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
	%	%	%	%	%	%	%	%	%	%	%	%	%
CHD	4.3	4.2	4.2	4.1	4.0	4.0	3.9	3.9	3.8	3.8	3.7	3.7	3.6
Stroke and TIA	2.0	2.0	2.0	2.0	2.1	2.1	2.0	2.0	2.0	2.0	2.1	2.1	2.1
Atrial fibrillation	1.6	1.6	1.7	1.7	1.7	1.8	1.8	1.9	2.0	2.0	2.1	2.2	2.3
Heart failure	1.0	0.9	0.9	0.9	0.9	0.9	0.9	1.0	1.0	1.0	1.0	1.0	1.1

Notes: CHD: Coronary Heart Disease. TIA: Transient Ischaemic Attack.

Source: Wales - StatsWales. QOF achievement data
https://gov.wales/general-medical-services-contract-quality-and-outcomes-framework-april-2018-march-2019
[series discontinued]

Table 2.11 Prevalence of selected cardiovascular conditions, Northern Ireland 2004/05-2019/20

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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
	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%
CHD	4.2	4.2	4.2	4.1	4.1	4.0	4.0	3.9	3.9	3.9	3.8	3.8	3.8	3.7	3.7	3.7
Stroke and TIA	1.4	1.6	1.6	1.6	1.7	1.7	1.8	1.8	1.8	1.8	1.8	1.8	1.9	1.9	1.9	1.9
Atrial fibrillation			1.3	1.3	1.3	1.3	1.4	1.4	1.5	1.5	1.6	1.7	1.8	1.9	2.0	2.1
Heart failure			0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.9	0.9	0.9	1.0

Notes: CHD: Coronary Heart Disease. TIA: Transient Ischaemic Attack.

Source: Department of Health. QOF exception reporting data 2019/20
https://www.health-ni.gov.uk/topics/doh-statistics-and-research/quality-outcomes-framework-qof

Table 2.12 Prevalence of cardiovascular conditions from GP patient registers, by UK local authority, latest available

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Tableau - data viz

region/nation tables see 2.7

					GP PREVALENCE DATA (PATIENT REGISTERS)															
					Patient List Size	Coronary Heart Disease Register		Stroke/TIA Register		Hypertension Register		Heart Failure Register		Atrial Fibrillation Register		PAD Register		BHF Heart & Circulatory Diseases (CVD) Estimate	
LA Code	LA/DC/UA	Ceremonial County (Eng/Wal)	Region/Nation	4N		*Total*	*%*	*Total*	*%*	*Total*	*%*	*Total*	*%*	*Total*	*%*	*Total*	*%*	*Total*	*%*
E06000055	Bedford	Bedfordshire	East of England	ENG	*187,518*	5,480	*2.9%*	3,008	*1.6%*	26,863	*14%*	1,750	*0.9%*	3,699	*2.0%*	933	*0.5%*	18,000	*10%*
E06000056	Central Bedfordshire	Bedfordshire	East of England	ENG	*289,101*	8,553	*3.0%*	4,728	*1.6%*	41,271	*14%*	2,068	*0.7%*	5,904	*2.0%*	1,308	*0.5%*	28,000	*10%*
E06000032	Luton	Bedfordshire	East of England	ENG	*257,060*	6,434	*2.5%*	3,388	*1.3%*	31,464	*12%*	1,502	*0.6%*	2,928	*1.1%*	930	*0.4%*	19,000	*7%*
E06000036	Bracknell Forest	Berkshire	South East	ENG	*132,801*	3,127	*2.4%*	1,759	*1.3%*	18,023	*14%*	1,013	*0.8%*	2,406	*1.8%*	533	*0.4%*	11,000	*8%*
E06000038	Reading	Berkshire	South East	ENG	*257,834*	4,640	*1.8%*	2,834	*1.1%*	30,557	*12%*	1,582	*0.6%*	3,482	*1.4%*	813	*0.3%*	17,000	*7%*
E06000039	Slough	Berkshire	South East	ENG	*167,343*	4,277	*2.6%*	1,854	*1.1%*	20,841	*12%*	1,274	*0.8%*	1,658	*1.0%*	701	*0.4%*	12,000	*7%*
E06000037	West Berkshire	Berkshire	South East	ENG	*154,725*	3,919	*2.5%*	2,470	*1.6%*	22,096	*14%*	1,242	*0.8%*	3,314	*2.1%*	735	*0.5%*	14,000	*9%*
E06000040	Windsor and Maidenhead	Berkshire	South East	ENG	*174,970*	4,566	*2.6%*	2,750	*1.6%*	23,095	*13%*	1,487	*0.8%*	3,837	*2.2%*	662	*0.4%*	16,000	*9%*
E06000041	Wokingham	Berkshire	South East	ENG	*147,532*	3,527	*2.4%*	2,250	*1.5%*	19,221	*13%*	1,121	*0.8%*	3,061	*2.1%*	474	*0.3%*	13,000	*9%*
E06000023	Bristol, City of	Bristol	South West	ENG	*552,815*	12,176	*2.2%*	8,244	*1.5%*	57,103	*10%*	4,295	*0.8%*	8,840	*1.6%*	2,956	*0.5%*	45,000	*8%*
E06000060	Buckinghamshire	Buckinghamshire	South East	ENG	*570,371*	16,881	*2.9%*	9,649	*1.7%*	81,083	*14%*	4,365	*0.7%*	13,184	*2.2%*	2,758	*0.5%*	58,000	*10%*
E06000042	Milton Keynes	Buckinghamshire	South East	ENG	*317,377*	7,247	*2.3%*	3,529	*1.1%*	40,873	*13%*	2,272	*0.7%*	4,841	*1.5%*	1,326	*0.4%*	24,000	*8%*
E07000008	Cambridge	Cambridgeshire	East of England	ENG	*203,412*	3,311	*1.6%*	1,873	*0.9%*	15,373	*8%*	880	*0.4%*	2,523	*1.2%*	707	*0.3%*	12,000	*6%*
E07000009	East Cambridgeshire	Cambridgeshire	East of England	ENG	*87,364*	2,902	*3.3%*	1,496	*1.7%*	13,020	*15%*	898	*1.0%*	2,226	*2.5%*	497	*0.6%*	10,000	*11%*
E07000010	Fenland	Cambridgeshire	East of England	ENG	*118,042*	4,514	*3.8%*	2,455	*2.1%*	19,794	*17%*	1,113	*0.9%*	2,743	*2.3%*	898	*0.8%*	15,000	*13%*
E07000011	Huntingdonshire	Cambridgeshire	East of England	ENG	*194,878*	6,367	*3.3%*	3,402	*1.7%*	29,094	*15%*	1,834	*0.9%*	4,539	*2.3%*	1,186	*0.6%*	21,000	*11%*
E06000031	Peterborough	Cambridgeshire	East of England	ENG	*251,991*	6,389	*2.5%*	3,395	*1.3%*	30,858	*12%*	1,948	*0.8%*	3,527	*1.4%*	1,612	*0.6%*	21,000	*8%*
E07000012	South Cambridgeshire	Cambridgeshire	East of England	ENG	*141,479*	4,061	*2.9%*	2,196	*1.6%*	18,547	*13%*	1,199	*0.8%*	3,251	*2.3%*	667	*0.5%*	14,000	*10%*
E06000049	Cheshire East	Cheshire	North West	ENG	*430,570*	15,179	*3.5%*	9,851	*2.3%*	68,597	*16%*	4,866	*1.1%*	11,853	*2.8%*	3,098	*0.7%*	56,000	*13%*
E06000050	Cheshire West and Chester	Cheshire	North West	ENG	*395,683*	13,923	*3.5%*	8,115	*2.1%*	60,036	*15%*	4,538	*1.1%*	10,600	*2.7%*	2,932	*0.7%*	50,000	*13%*
E06000006	Halton	Cheshire	North West	ENG	*133,419*	5,555	*4.2%*	2,639	*2.0%*	21,422	*16%*	1,442	*1.1%*	3,217	*2.4%*	1,263	*0.9%*	17,000	*13%*
E06000007	Warrington	Cheshire	North West	ENG	*220,742*	7,848	*3.6%*	4,140	*1.9%*	31,659	*14%*	2,083	*0.9%*	4,933	*2.2%*	1,551	*0.7%*	25,000	*11%*
E06000052	Cornwall	Cornwall	South West	ENG	*583,062*	25,024	*4.3%*	16,306	*2.8%*	92,903	*16%*	8,198	*1.4%*	16,441	*2.8%*	3,877	*0.7%*	87,000	*15%*
E06000053	Isles of Scilly	Cornwall	South West	ENG	*2,408*	*74*	*3.1%*	43	*1.8%*	287	*12%*	20	*0.8%*	52	*2.2%*	21	*0.9%*	260	*11%*
E06000047	County Durham	County Durham	North East	ENG	*567,870*	25,579	*4.5%*	13,753	*2.4%*	96,512	*17%*	8,085	*1.4%*	13,350	*2.4%*	5,393	*0.9%*	82,000	*14%*
E06000005	Darlington	County Durham	North East	ENG	*109,154*	4,051	*3.7%*	2,516	*2.3%*	17,653	*16%*	1,742	*1.6%*	2,562	*2.3%*	1,029	*0.9%*	15,000	*14%*
E06000001	Hartlepool	County Durham	North East	ENG	*96,769*	4,201	*4.3%*	2,095	*2.2%*	16,641	*17%*	959	*1.0%*	2,163	*2.2%*	866	*0.9%*	13,000	*13%*
E06000004	Stockton-on-Tees	County Durham	North East	ENG	*202,766*	7,577	*3.7%*	4,570	*2.3%*	31,090	*15%*	2,104	*1.0%*	4,744	*2.3%*	1,474	*0.7%*	25,000	*12%*
E07000026	Allerdale	Cumbria	North West	ENG	*100,337*	4,803	*4.8%*	2,672	*2.7%*	17,169	*17%*	1,290	*1.3%*	2,809	*2.8%*	1,025	*1.0%*	16,000	*16%*
E07000027	Barrow-in-Furness	Cumbria	North West	ENG	*70,547*	2,914	*4.1%*	1,566	*2.2%*	11,447	*16%*	776	*1.1%*	1,660	*2.4%*	561	*0.8%*	9,300	*13%*
E07000028	Carlisle	Cumbria	North West	ENG	*111,009*	5,457	*4.9%*	2,763	*2.5%*	17,136	*15%*	1,419	*1.3%*	2,653	*2.4%*	1,339	*1.2%*	17,000	*15%*
E07000029	Copeland	Cumbria	North West	ENG	*69,802*	3,557	*5.1%*	1,947	*2.8%*	12,255	*18%*	1,079	*1.5%*	1,850	*2.7%*	840	*1.2%*	11,000	*16%*
E07000030	Eden	Cumbria	North West	ENG	*53,335*	2,398	*4.5%*	1,315	*2.5%*	9,097	*17%*	627	*1.2%*	1,565	*2.9%*	555	*1.0%*	8,000	*15%*
E07000031	South Lakeland	Cumbria	North West	ENG	*112,721*	4,395	*3.9%*	3,038	*2.7%*	18,541	*16%*	1,206	*1.1%*	3,415	*3.0%*	824	*0.7%*	16,000	*14%*
E07000032	Amber Valley	Derbyshire	East Midlands	ENG	*138,128*	5,382	*3.9%*	3,197	*2.3%*	22,239	*16%*	1,691	*1.2%*	3,602	*2.6%*	1,250	*0.9%*	19,000	*14%*
E07000033	Bolsover	Derbyshire	East Midlands	ENG	*95,857*	3,943	*4.1%*	2,166	*2.3%*	17,049	*18%*	904	*0.9%*	2,279	*2.4%*	776	*0.8%*	12,000	*13%*
E07000034	Chesterfield	Derbyshire	East Midlands	ENG	*112,944*	4,594	*4.1%*	2,656	*2.4%*	19,945	*18%*	1,254	*1.1%*	2,884	*2.6%*	1,121	*1.0%*	15,000	*13%*
E06000015	Derby	Derbyshire	East Midlands	ENG	*296,935*	8,904	*3.0%*	5,046	*1.7%*	38,779	*13%*	2,987	*1.0%*	5,158	*1.7%*	2,201	*0.7%*	30,000	*10%*
E07000035	Derbyshire Dales	Derbyshire	East Midlands	ENG	*84,737*	3,208	*3.8%*	2,024	*2.4%*	14,662	*17%*	1,103	*1.3%*	2,729	*3.2%*	682	*0.8%*	12,000	*14%*
E07000036	Erewash	Derbyshire	East Midlands	ENG	*113,180*	4,026	*3.6%*	2,363	*2.1%*	18,578	*16%*	1,299	*1.1%*	2,694	*2.4%*	996	*0.9%*	14,000	*12%*
E07000037	High Peak	Derbyshire	East Midlands	ENG	*96,556*	3,825	*4.0%*	2,383	*2.5%*	15,553	*16%*	1,445	*1.5%*	2,579	*2.7%*	798	*0.8%*	14,000	*14%*
E07000038	North East Derbyshire	Derbyshire	East Midlands	ENG	*78,610*	3,420	*4.4%*	2,094	*2.7%*	14,451	*18%*	952	*1.2%*	2,163	*2.8%*	696	*0.9%*	12,000	*15%*
E07000039	South Derbyshire	Derbyshire	East Midlands	ENG	*93,271*	2,888	*3.1%*	1,788	*1.9%*	13,746	*15%*	843	*0.9%*	2,006	*2.2%*	737	*0.8%*	10,000	*11%*
E07000040	East Devon	Devon	South West	ENG	*128,697*	5,646	*4.4%*	3,725	*2.9%*	24,127	*19%*	1,907	*1.5%*	4,793	*3.7%*	983	*0.8%*	21,000	*16%*
E07000041	Exeter	Devon	South West	ENG	*154,305*	4,030	*2.6%*	2,591	*1.7%*	18,691	*12%*	1,184	*0.8%*	2,946	*1.9%*	779	*0.5%*	14,000	*9%*
E07000042	Mid Devon	Devon	South West	ENG	*94,184*	3,360	*3.6%*	2,128	*2.3%*	14,958	*16%*	855	*0.9%*	2,645	*2.8%*	558	*0.6%*	12,000	*13%*
E07000043	North Devon	Devon	South West	ENG	*107,695*	5,002	*4.6%*	3,027	*2.8%*	16,440	*15%*	1,051	*1.0%*	3,045	*2.8%*	939	*0.9%*	16,000	*15%*
E06000026	Plymouth	Devon	South West	ENG	*314,377*	11,661	*3.7%*	6,226	*2.0%*	43,768	*14%*	3,133	*1.0%*	7,065	*2.2%*	2,285	*0.7%*	38,000	*12%*
E07000044	South Hams	Devon	South West	ENG	*64,490*	2,477	*3.8%*	1,762	*2.7%*	10,694	*17%*	598	*0.9%*	2,132	*3.3%*	457	*0.7%*	9,200	*14%*
E07000045	Teignbridge	Devon	South West	ENG	*131,015*	5,035	*3.8%*	3,452	*2.6%*	22,682	*17%*	1,258	*1.0%*	4,059	*3.1%*	1,099	*0.8%*	18,000	*14%*
E06000027	Torbay	Devon	South West	ENG	*166,263*	7,038	*4.2%*	4,664	*2.8%*	30,005	*18%*	1,991	*1.2%*	5,211	*3.1%*	1,768	*1.1%*	26,000	*16%*
E07000046	Torridge	Devon	South West	ENG	*71,992*	3,541	*4.9%*	2,222	*3.1%*	12,357	*17%*	748	*1.0%*	2,183	*3.0%*	581	*0.8%*	11,000	*15%*
E07000047	West Devon	Devon	South West	ENG	*51,995*	2,230	*4.3%*	1,379	*2.7%*	9,268	*18%*	624	*1.2%*	1,633	*3.1%*	391	*0.8%*	7,700	*15%*
E06000058	Bournemouth, Christchurch and Poole	Dorset	South West	ENG	*457,049*	17,721	*3.9%*	10,785	*2.4%*	65,116	*14%*	4,956	*1.1%*	12,049	*2.6%*	2,880	*0.6%*	60,000	*13%*
E06000059	Dorset	Dorset	South West	ENG	*381,228*	18,073	*4.7%*	10,487	*2.8%*	69,882	*18%*	5,099	*1.3%*	13,840	*3.6%*	2,936	*0.8%*	62,000	*16%*
E06000043	Brighton and Hove	East Sussex	South East	ENG	*329,255*	6,967	*2.1%*	4,252	*1.3%*	31,903	*10%*	1,853	*0.6%*	5,016	*1.5%*	1,384	*0.4%*	24,000	*7%*
E07000061	Eastbourne	East Sussex	South East	ENG	*106,527*	3,842	*3.6%*	2,558	*2.4%*	17,486	*16%*	1,204	*1.1%*	3,508	*3.3%*	735	*0.7%*	15,000	*14%*
E07000062	Hastings	East Sussex	South East	ENG	*103,239*	3,472	*3.4%*	2,130	*2.1%*	15,671	*15%*	1,039	*1.0%*	2,509	*2.4%*	697	*0.7%*	12,000	*12%*
E07000063	Lewes	East Sussex	South East	ENG	*101,334*	3,808	*3.8%*	2,446	*2.4%*	16,876	*17%*	927	*0.9%*	3,193	*3.2%*	790	*0.8%*	14,000	*14%*
E07000064	Rother	East Sussex	South East	ENG	*90,097*	4,165	*4.6%*	2,648	*2.9%*	18,899	*21%*	1,231	*1.4%*	3,699	*4.1%*	769	*0.9%*	15,000	*17%*
E07000065	Wealden	East Sussex	South East	ENG	*162,321*	5,605	*3.5%*	3,734	*2.3%*	27,504	*17%*	1,573	*1.0%*	5,311	*3.3%*	975	*0.6%*	21,000	*13%*
E07000066	Basildon	Essex	East of England	ENG	*218,832*	6,320	*2.9%*	3,928	*1.8%*	32,433	*15%*	1,901	*0.9%*	3,957	*1.8%*	1,116	*0.5%*	21,000	*10%*
E07000067	Braintree	Essex	East of England	ENG	*150,177*	4,809	*3.2%*	2,695	*1.8%*	21,759	*14%*	1,208	*0.8%*	3,075	*2.0%*	789	*0.5%*	16,000	*11%*
E07000068	Brentwood	Essex	East of England	ENG	*79,239*	2,214	*2.8%*	1,494	*1.9%*	11,508	*15%*	538	*0.7%*	1,776	*2.2%*	280	*0.4%*	7,800	*10%*
E07000069	Castle Point	Essex	East of England	ENG	*86,550*	3,229	*3.7%*	1,717	*2.0%*	16,281	*19%*	1,088	*1.3%*	2,101	*2.4%*	463	*0.5%*	11,000	*13%*
E07000070	Chelmsford	Essex	East of England	ENG	*218,299*	6,059	*2.8%*	3,541	*1.6%*	30,164	*14%*	1,347	*0.6%*	4,368	*2.0%*	833	*0.4%*	20,000	*9%*
E07000071	Colchester	Essex	East of England	ENG	*205,951*	5,365	*2.6%*	2,994	*1.5%*	26,782	*13%*	1,715	*0.8%*	3,933	*1.9%*	937	*0.5%*	19,000	*9%*
E07000072	Epping Forest	Essex	East of England	ENG	*117,172*	3,394	*2.9%*	1,940	*1.7%*	16,756	*14%*	1,397	*1.2%*	2,527	*2.2%*	524	*0.4%*	12,000	*10%*
E07000073	Harlow	Essex	East of England	ENG	*100,833*	2,798	*2.8%*	1,482	*1.5%*	13,496	*13%*	894	*0.9%*	1,643	*1.6%*	503	*0.5%*	9,100	*9%*
E07000074	Maldon	Essex	East of England	ENG	*56,640*	1,973	*3.5%*	1,147	*2.0%*	9,770	*17%*	488	*0.9%*	1,392	*2.5%*	282	*0.5%*	6,500	*11%*
E07000075	Rochford	Essex	East of England	ENG	*99,423*	3,378	*3.4%*	1,899	*1.9%*	16,625	*17%*	1,008	*1.0%*	2,365	*2.4%*	465	*0.5%*	11,000	*11%*
E06000033	Southend-on-Sea	Essex	East of England	ENG	*196,379*	6,163	*3.1%*	3,666	*1.9%*	30,222	*15%*	2,171	*1.1%*	4,032	*2.1%*	919	*0.5%*	21,000	*11%*
E07000076	Tendring	Essex	East of England	ENG	*153,734*	6,972	*4.5%*	3,925	*2.6%*	30,608	*20%*	1,997	*1.3%*	4,699	*3.1%*	1,409	*0.9%*	24,000	*16%*
E06000034	Thurrock	Essex	East of England	ENG	*186,705*	4,453	*2.4%*	2,820	*1.5%*	26,353	*14%*	1,522	*0.8%*	2,802	*1.5%*	820	*0.4%*	15,000	*8%*
E07000077	Uttlesford	Essex	East of England	ENG	*92,846*	2,635	*2.8%*	1,479	*1.6%*	13,916	*15%*	666	*0.7%*	2,163	*2.3%*	432	*0.5%*	9,100	*10%*
E07000078	Cheltenham	Gloucestershire	South West	ENG	*142,252*	4,291	*3.0%*	2,610	*1.8%*	17,446	*12%*	1,338	*0.9%*	3,350	*2.4%*	879	*0.6%*	15,000	*11%*
E07000079	Cotswold	Gloucestershire	South West	ENG	*91,749*	3,078	*3.4%*	1,987	*2.2%*	14,209	*15%*	812	*0.9%*	2,807	*3.1%*	464	*0.5%*	11,000	*12%*
E07000080	Forest of Dean	Gloucestershire	South West	ENG	*82,016*	3,288	*4.0%*	1,970	*2.4%*	13,483	*16%*	1,041	*1.3%*	2,499	*3.0%*	500	*0.6%*	12,000	*15%*
E07000081	Gloucester	Gloucestershire	South West	ENG	*153,472*	4,384	*2.9%*	2,635	*1.7%*	20,027	*13%*	1,390	*0.9%*	2,963	*1.9%*	724	*0.5%*	15,000	*10%*
E06000025	South Gloucestershire	Gloucestershire	South West	ENG	*277,878*	8,291	*3.0%*	5,115	*1.8%*	39,446	*14%*	2,569	*0.9%*	6,616	*2.4%*	1,638	*0.6%*	30,000	*11%*
E07000082	Stroud	Gloucestershire	South West	ENG	*122,569*	4,244	*3.5%*	2,529	*2.1%*	18,275	*15%*	1,193	*1.0%*	3,360	*2.7%*	686	*0.6%*	15,000	*12%*
E07000083	Tewkesbury	Gloucestershire	South West	ENG	*68,660*	2,506	*3.6%*	1,510	*2.2%*	10,580	*15%*	622	*0.9%*	2,029	*3.0%*	404	*0.6%*	8,800	*13%*
E09000002	Barking and Dagenham	Greater London	London	ENG	*265,972*	4,571	*1.7%*	2,471	*0.9%*	29,833	*11%*	1,161	*0.4%*	2,444	*0.9%*	757	*0.3%*	14,000	*5%*
E09000003	Barnet	Greater London	London	ENG	*437,793*	10,443	*2.4%*	5,490	*1.3%*	50,858	*12%*	2,569	*0.6%*	6,228	*1.4%*	1,464	*0.3%*	32,000	*7%*
E09000004	Bexley	Greater London	London	ENG	*247,913*	6,505	*2.6%*	3,856	*1.6%*	33,702	*14%*	1,846	*0.7%*	4,432	*1.8%*	1,040	*0.4%*	22,000	*9%*
E09000005	Brent	Greater London	London	ENG	*453,053*	9,096	*2.0%*	4,986	*1.1%*	54,531	*12%*	2,755	*0.6%*	3,970	*0.9%*	1,405	*0.3%*	28,000	*6%*
E09000006	Bromley	Greater London	London	ENG	*358,429*	9,685	*2.7%*	5,062	*1.4%*	46,702	*13%*	2,220	*0.6%*	7,167	*2.0%*	1,392	*0.4%*	32,000	*9%*
E09000007	Camden	Greater London	London	ENG	*285,536*	4,041	*1.4%*	2,595	*0.9%*	27,255	*10%*	1,868	*0.7%*	2,997	*1.0%*	966	*0.3%*	15,000	*5%*
E09000001	City of London	Greater London	London	ENG	*9,507*	184	*1.9%*	107	*1.1%*	923	*10%*	64	*0.7%*	151	*1.6%*	33	*0.3%*	670	*7%*
E09000008	Croydon	Greater London	London	ENG	*422,114*	9,143	*2.2%*	5,314	*1.3%*	52,266	*12%*	2,143	*0.5%*	5,296	*1.3%*	1,482	*0.4%*	29,000	*7%*
E09000009	Ealing	Greater London	London	ENG	*454,909*	11,188	*2.5%*	4,736	*1.0%*	56,875	*13%*	2,756	*0.6%*	5,339	*1.2%*	1,279	*0.3%*	31,000	*7%*
E09000010	Enfield	Greater London	London	ENG	*350,373*	8,091	*2.3%*	4,144	*1.2%*	46,174	*13%*	2,214	*0.6%*	4,555	*1.3%*	1,247	*0.4%*	25,000	*7%*
E09000011	Greenwich	Greater London	London	ENG	*313,861*	6,148	*2.0%*	3,558	*1.1%*	38,382	*12%*	1,822	*0.6%*	3,320	*1.1%*	1,207	*0.4%*	20,000	*6%*
E09000012	Hackney	Greater London	London	ENG	*335,219*	5,243	*1.6%*	3,007	*0.9%*	30,644	*9%*	2,320	*0.7%*	2,491	*0.7%*	1,030	*0.3%*	17,000	*5%*
E09000013	Hammersmith and Fulham	Greater London	London	ENG	*304,995*	3,906	*1.3%*	2,529	*0.8%*	22,746	*7%*	1,069	*0.4%*	2,572	*0.8%*	859	*0.3%*	14,000	*5%*
E09000014	Haringey	Greater London	London	ENG	*326,355*	5,234	*1.6%*	3,061	*0.9%*	34,265	*10%*	1,803	*0.6%*	3,085	*0.9%*	909	*0.3%*	17,000	*5%*
E09000015	Harrow	Greater London	London	ENG	*265,488*	7,235	*2.7%*	3,511	*1.3%*	35,775	*13%*	1,829	*0.7%*	3,649	*1.4%*	1,043	*0.4%*	21,000	*8%*
E09000016	Havering	Greater London	London	ENG	*266,123*	6,890	*2.6%*	4,180	*1.6%*	38,768	*15%*	1,919	*0.7%*	5,161	*1.9%*	1,268	*0.5%*	24,000	*9%*
E09000017	Hillingdon	Greater London	London	ENG	*324,944*	7,454	*2.3%*	3,861	*1.2%*	40,618	*13%*	1,955	*0.6%*	4,948	*1.5%*	1,254	*0.4%*	24,000	*7%*
E09000018	Hounslow	Greater London	London	ENG	*316,077*	7,184	*2.3%*	3,351	*1.1%*	36,725	*12%*	1,816	*0.6%*	3,322	*1.1%*	837	*0.3%*	20,000	*6%*
E09000019	Islington	Greater London	London	ENG	*273,576*	3,854	*3.1%*	2,534	*1.7%*	24,154	*13%*	1,353	*0.6%*	2,468	*2.2%*	999	*1.0%*	14,000	*5%*
E09000020	Kensington and Chelsea	Greater London	London	ENG	*214,122*	3,627	*1.7%*	2,333	*1.1%*	19,103	*9%*	892	*0.4%*	2,716	*1.3%*	683	*0.3%*	13,000	*6%*
E09000021	Kingston upon Thames	Greater London	London	ENG	*209,737*	4,224	*2.0%*	2,255	*1.1%*	21,637	*10%*	1,142	*0.5%*	2,960	*1.4%*	620	*0.3%*	14,000	*7%*
E09000022	Lambeth	Greater London	London	ENG	*419,369*	5,008	*1.2%*	3,805	*0.9%*	39,430	*9%*	1,765	*0.4%*	3,185	*0.8%*	1,318	*0.3%*	19,000	*5%*
E09000023	Lewisham	Greater London	London	ENG	*354,145*	5,720	*1.6%*	3,919	*1.1%*	39,690	*11%*	1,696	*0.5%*	3,209	*0.9%*	1,448	*0.4%*	20,000	*6%*
E09000024	Merton	Greater London	London	ENG	*230,985*	4,425	*1.9%*	2,352	*1.0%*	24,448	*11%*	1,186	*0.5%*	2,715	*1.2%*	783	*0.3%*	14,000	*6%*
E09000025	Newham	Greater London	London	ENG	*409,108*	7,077	*1.7%*	3,127	*0.8%*	42,054	*10%*	2,215	*0.5%*	2,243	*0.5%*	876	*0.2%*	19,000	*5%*
E09000026	Redbridge	Greater London	London	ENG	*345,004*	8,268	*2.4%*	3,701	*1.1%*	40,461	*12%*	1,667	*0.5%*	3,688	*1.1%*	891	*0.3%*	23,000	*7%*
E09000027	Richmond upon Thames	Greater London	London	ENG	*251,868*	4,827	*1.9%*	2,948	*1.2%*	24,510	*10%*	1,282	*0.5%*	3,988	*1.6%*	694	*0.3%*	17,000	*7%*
E09000028	Southwark	Greater London	London	ENG	*370,031*	4,924	*1.3%*	3,475	*0.9%*	39,207	*11%*	1,749	*0.5%*	3,156	*0.9%*	1,275	*0.3%*	18,000	*5%*
E09000029	Sutton	Greater London	London	ENG	*219,532*	5,524	*2.5%*	2,960	*1.3%*	29,027	*13%*	1,632	*0.7%*	3,597	*1.6%*	851	*0.4%*	18,000	*8%*
E09000030	Tower Hamlets	Greater London	London	ENG	*344,034*	5,148	*1.5%*	2,523	*0.7%*	25,973	*8%*	1,449	*0.4%*	1,997	*0.6%*	917	*0.3%*	15,000	*4%*
E09000031	Waltham Forest	Greater London	London	ENG	*319,705*	5,938	*1.9%*	3,031	*0.9%*	35,026	*11%*	1,703	*0.5%*	3,056	*1.0%*	1,043	*0.3%*	18,000	*6%*
E09000032	Wandsworth	Greater London	London	ENG	*410,344*	5,462	*1.3%*	3,347	*0.8%*	33,240	*8%*	1,436	*0.3%*	3,737	*0.9%*	1,024	*0.2%*	19,000	*5%*
E09000033	Westminster	Greater London	London	ENG	*293,756*	4,665	*1.6%*	2,741	*0.9%*	22,769	*8%*	1,309	*0.4%*	2,932	*1.0%*	963	*0.3%*	16,000	*5%*
E08000001	Bolton	Greater Manchester	North West	ENG	*316,292*	9,661	*3.1%*	5,982	*1.9%*	43,717	*14%*	2,497	*0.8%*	5,632	*1.8%*	1,834	*0.6%*	32,000	*10%*
E08000002	Bury	Greater Manchester	North West	ENG	*207,043*	6,860	*3.3%*	3,859	*1.9%*	29,135	*14%*	1,954	*0.9%*	3,994	*1.9%*	1,324	*0.6%*	22,000	*11%*
E08000003	Manchester	Greater Manchester	North West	ENG	*682,379*	15,637	*2.3%*	8,469	*1.2%*	69,353	*10%*	4,640	*0.7%*	7,467	*1.1%*	4,595	*0.7%*	51,000	*7%*
E08000004	Oldham	Greater Manchester	North West	ENG	*249,700*	7,837	*3.1%*	4,465	*1.8%*	34,075	*14%*	2,083	*0.8%*	3,984	*1.6%*	1,932	*0.8%*	25,000	*10%*
E08000005	Rochdale	Greater Manchester	North West	ENG	*238,421*	8,386	*3.5%*	4,660	*2.0%*	34,408	*14%*	2,149	*0.9%*	4,259	*1.8%*	2,056	*0.9%*	27,000	*11%*
E08000006	Salford	Greater Manchester	North West	ENG	*292,800*	9,217	*3.1%*	5,001	*1.7%*	35,225	*12%*	2,566	*0.9%*	5,177	*1.8%*	2,314	*0.8%*	30,000	*10%*
E08000007	Stockport	Greater Manchester	North West	ENG	*319,025*	11,814	*3.7%*	6,717	*2.1%*	48,474	*15%*	3,718	*1.2%*	7,485	*2.3%*	2,255	*0.7%*	40,000	*13%*
E08000008	Tameside	Greater Manchester	North West	ENG	*230,228*	8,654	*3.8%*	4,614	*2.0%*	36,827	*16%*	2,202	*1.0%*	4,576	*2.0%*	2,068	*0.9%*	27,000	*12%*
E08000009	Trafford	Greater Manchester	North West	ENG	*254,442*	8,461	*3.3%*	4,948	*1.9%*	36,486	*14%*	2,378	*0.9%*	5,761	*2.3%*	1,743	*0.7%*	29,000	*11%*
E08000010	Wigan	Greater Manchester	North West	ENG	*327,298*	13,247	*4.0%*	6,790	*2.1%*	52,827	*16%*	3,619	*1.1%*	7,636	*2.3%*	2,630	*0.8%*	42,000	*13%*

Table 2.12 Prevalence of cardiovascular conditions from GP patient registers, by UK local authority, latest available

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Tableau - data viz

region/nation tables see 2.7

					GP PREVALENCE DATA (PATIENT REGISTERS)															
					Patient List Size	Coronary Heart Disease Register		Stroke/TIA Register		Hypertension Register		Heart Failure Register		Atrial Fibrillation Register		PAD Register		BHF Heart & Circulatory Diseases (CVD) Estimate	
LA Code	LA/DC/UA	Ceremonial County (Eng/Wal)	Region/Nation	4N		Total	%	Total	%	Total	%	Total	%	Total	%	Total	%	Total	%
E07000084	Basingstoke and Deane	Hampshire	South East	ENG	178,136	4,326	2.4%	2,857	1.6%	24,421	14%	1,127	0.6%	3,501	2.0%	910	0.5%	16,000	9%
E07000085	East Hampshire	Hampshire	South East	ENG	119,270	3,747	3.1%	2,446	2.1%	18,195	15%	1,074	0.9%	3,174	2.7%	665	0.6%	14,000	12%
E07000086	Eastleigh	Hampshire	South East	ENG	142,028	3,969	2.8%	2,681	1.9%	20,628	15%	1,346	0.9%	3,231	2.3%	732	0.5%	15,000	11%
E07000087	Fareham	Hampshire	South East	ENG	121,058	4,394	3.6%	2,676	2.2%	21,391	18%	1,451	1.2%	3,487	2.9%	707	0.6%	16,000	13%
E07000088	Gosport	Hampshire	South East	ENG	88,778	3,232	3.6%	1,847	2.1%	14,632	16%	1,204	1.4%	2,284	2.6%	663	0.7%	11,000	12%
E07000089	Hart	Hampshire	South East	ENG	105,148	3,013	2.9%	1,758	1.7%	15,670	15%	792	0.8%	2,516	2.4%	499	0.5%	11,000	10%
E07000090	Havant	Hampshire	South East	ENG	129,442	5,113	4.0%	3,101	2.4%	22,436	17%	1,696	1.3%	3,845	3.0%	1,074	0.8%	18,000	14%
E07000091	New Forest	Hampshire	South East	ENG	201,839	8,613	4.3%	5,778	2.9%	37,848	19%	3,417	1.7%	7,137	3.5%	1,442	0.7%	33,000	16%
E06000044	Portsmouth	Hampshire	South East	ENG	238,851	6,366	2.7%	3,700	1.5%	28,690	12%	2,187	0.9%	4,333	1.8%	1,434	0.6%	22,000	9%
E07000092	Rushmoor	Hampshire	South East	ENG	106,704	2,771	2.6%	1,554	1.5%	15,593	15%	861	0.8%	2,048	1.9%	576	0.5%	9,700	9%
E06000045	Southampton	Hampshire	South East	ENG	296,507	6,600	2.2%	4,437	1.5%	32,571	11%	2,313	0.8%	4,758	1.6%	1,571	0.5%	24,000	8%
E07000093	Test Valley	Hampshire	South East	ENG	113,599	3,237	2.8%	2,278	2.0%	16,799	15%	874	0.8%	2,728	2.4%	598	0.5%	12,000	11%
E07000094	Winchester	Hampshire	South East	ENG	125,901	3,411	2.7%	2,557	2.0%	17,898	14%	1,043	0.8%	3,244	2.6%	606	0.5%	13,000	10%
E06000019	Herefordshire, County of	Herefordshire	West Midlands	ENG	188,920	6,736	3.6%	4,643	2.5%	31,469	17%	1,998	1.1%	5,183	2.7%	1,353	0.7%	25,000	13%
E07000095	Broxbourne	Hertfordshire	East of England	ENG	105,388	3,107	2.9%	1,832	1.7%	15,021	14%	794	0.8%	2,071	2.0%	508	0.5%	10,000	9%
E07000096	Dacorum	Hertfordshire	East of England	ENG	172,201	4,534	2.6%	2,639	1.5%	23,790	14%	1,295	0.8%	3,634	2.1%	927	0.5%	16,000	9%
E07000242	East Hertfordshire	Hertfordshire	East of England	ENG	149,742	4,166	2.8%	2,434	1.6%	20,261	14%	1,207	0.8%	3,185	2.1%	712	0.5%	14,000	9%
E07000098	Hertsmere	Hertfordshire	East of England	ENG	157,493	4,563	2.9%	2,527	1.6%	20,379	13%	1,159	0.7%	3,191	2.0%	721	0.5%	15,000	10%
E07000099	North Hertfordshire	Hertfordshire	East of England	ENG	135,882	3,886	2.9%	2,527	1.9%	19,246	14%	801	0.6%	2,940	2.2%	586	0.4%	13,000	10%
E07000240	St Albans	Hertfordshire	East of England	ENG	160,519	3,653	2.3%	2,236	1.4%	17,574	11%	824	0.5%	2,999	1.9%	520	0.3%	13,000	8%
E07000243	Stevenage	Hertfordshire	East of England	ENG	98,621	2,603	2.6%	1,542	1.6%	12,821	13%	642	0.7%	1,627	1.6%	442	0.4%	8,500	9%
E07000102	Three Rivers	Hertfordshire	East of England	ENG	85,598	2,405	2.8%	1,436	1.7%	12,267	14%	708	0.8%	1,884	2.2%	416	0.5%	8,500	10%
E07000103	Watford	Hertfordshire	East of England	ENG	84,626	1,933	2.3%	1,114	1.3%	9,706	11%	573	0.7%	1,209	1.4%	334	0.4%	6,400	8%
E07000241	Welwyn Hatfield	Hertfordshire	East of England	ENG	138,270	3,478	2.5%	2,238	1.6%	17,361	13%	853	0.6%	2,672	1.9%	630	0.5%	12,000	9%
E06000046	Isle of Wight	Isle of Wight	South East	ENG	157,042	6,240	4.0%	4,210	2.7%	28,440	18%	1,899	1.2%	4,394	2.8%	1,452	0.9%	23,000	15%
E07000105	Ashford	Kent	South East	ENG	131,711	3,834	2.9%	2,338	1.8%	19,649	15%	901	0.7%	3,307	2.5%	715	0.5%	14,000	11%
E07000106	Canterbury	Kent	South East	ENG	180,489	5,318	2.9%	3,401	1.9%	25,409	14%	1,274	0.7%	4,431	2.5%	937	0.5%	19,000	11%
E07000107	Dartford	Kent	South East	ENG	131,818	3,156	2.4%	1,966	1.5%	18,208	14%	692	0.5%	2,378	1.8%	577	0.4%	11,000	8%
E07000108	Dover	Kent	South East	ENG	123,523	4,319	3.5%	2,681	2.2%	20,478	17%	1,089	0.9%	3,463	2.8%	866	0.7%	15,000	12%
E07000112	Folkestone and Hythe	Kent	South East	ENG	116,272	4,407	3.8%	2,642	2.3%	20,385	18%	962	0.8%	3,667	3.2%	773	0.7%	15,000	13%
E07000109	Gravesham	Kent	South East	ENG	150,207	3,658	2.4%	2,142	1.4%	19,340	13%	785	0.5%	2,584	1.7%	553	0.4%	12,000	8%
E07000110	Maidstone	Kent	South East	ENG	179,090	5,055	2.8%	3,242	1.8%	26,146	15%	1,399	0.8%	4,057	2.3%	788	0.4%	18,000	10%
E06000035	Medway	Kent	South East	ENG	312,958	7,922	2.5%	3,827	1.2%	43,640	14%	2,637	0.8%	5,066	1.6%	1,306	0.4%	26,000	8%
E07000111	Sevenoaks	Kent	South East	ENG	97,980	2,578	2.6%	1,819	1.9%	13,719	14%	702	0.7%	2,554	2.6%	491	0.5%	10,000	10%
E07000113	Swale	Kent	South East	ENG	157,169	4,738	3.0%	2,535	1.6%	24,891	16%	1,391	0.9%	3,314	2.1%	909	0.6%	16,000	10%
E07000114	Thanet	Kent	South East	ENG	146,952	5,272	3.6%	3,283	2.2%	25,310	17%	1,383	0.9%	4,023	2.7%	1,171	0.8%	19,000	13%
E07000115	Tonbridge and Malling	Kent	South East	ENG	137,344	3,652	2.7%	2,295	1.7%	18,530	13%	1,059	0.8%	3,022	2.2%	652	0.5%	13,000	9%
E07000116	Tunbridge Wells	Kent	South East	ENG	125,339	3,090	2.5%	2,385	1.9%	16,753	13%	934	0.7%	3,044	2.4%	564	0.4%	12,000	10%
E06000008	Blackburn with Darwen	Lancashire	North West	ENG	178,557	6,427	3.6%	3,139	1.8%	25,166	14%	1,480	0.8%	2,848	1.6%	1,291	0.7%	19,000	11%
E06000009	Blackpool	Lancashire	North West	ENG	177,025	7,866	4.4%	4,154	2.3%	32,119	18%	2,628	1.5%	4,496	2.5%	2,058	1.2%	26,000	15%
E07000117	Burnley	Lancashire	North West	ENG	102,058	4,210	4.1%	2,154	2.1%	16,089	16%	972	1.0%	2,192	2.1%	1,091	1.1%	13,000	13%
E07000118	Chorley	Lancashire	North West	ENG	116,074	4,396	3.8%	2,279	2.0%	18,354	16%	1,338	1.2%	2,696	2.3%	966	0.8%	14,000	12%
E07000119	Fylde	Lancashire	North West	ENG	72,910	3,570	4.9%	1,925	2.6%	13,702	19%	869	1.2%	2,419	3.3%	699	1.0%	12,000	16%
E07000120	Hyndburn	Lancashire	North West	ENG	87,678	3,679	4.2%	1,845	2.1%	13,829	16%	849	1.0%	1,769	2.0%	956	1.1%	11,000	13%
E07000121	Lancaster	Lancashire	North West	ENG	153,511	5,480	3.6%	3,205	2.1%	20,536	13%	1,213	0.8%	3,406	2.2%	1,504	1.0%	18,000	12%
E07000122	Pendle	Lancashire	North West	ENG	98,859	3,715	3.8%	1,945	2.0%	14,301	14%	935	0.9%	1,901	1.9%	826	0.8%	12,000	12%
E07000123	Preston	Lancashire	North West	ENG	148,770	4,722	3.2%	2,648	1.8%	18,696	13%	1,623	1.1%	2,550	1.7%	1,090	0.7%	16,000	11%
E07000124	Ribble Valley	Lancashire	North West	ENG	59,152	2,198	3.7%	1,321	2.2%	10,436	18%	733	1.2%	1,634	2.8%	452	0.8%	7,800	13%
E07000125	Rossendale	Lancashire	North West	ENG	73,859	2,707	3.7%	1,525	2.1%	10,827	15%	629	0.9%	1,462	2.0%	717	1.0%	8,700	12%
E07000126	South Ribble	Lancashire	North West	ENG	126,047	4,434	3.5%	2,484	2.0%	19,200	15%	1,464	1.2%	2,999	2.4%	931	0.7%	15,000	12%
E07000127	West Lancashire	Lancashire	North West	ENG	116,042	4,358	3.8%	2,405	2.1%	19,016	16%	1,254	1.1%	2,884	2.5%	852	0.7%	15,000	13%
E07000128	Wyre	Lancashire	North West	ENG	106,416	5,372	5.0%	2,967	2.8%	20,208	19%	1,845	1.7%	3,372	3.2%	1,181	1.1%	18,000	17%
E07000129	Blaby	Leicestershire	East Midlands	ENG	101,345	3,044	3.0%	1,886	1.9%	15,590	15%	961	0.9%	2,291	2.3%	461	0.5%	11,000	11%
E07000130	Charnwood	Leicestershire	East Midlands	ENG	197,711	5,360	2.7%	3,331	1.7%	26,859	14%	2,205	1.1%	4,144	2.1%	1,090	0.6%	20,000	10%
E07000131	Harborough	Leicestershire	East Midlands	ENG	107,797	2,956	2.7%	2,060	1.9%	15,706	15%	842	0.8%	2,704	2.5%	485	0.4%	11,000	10%
E07000132	Hinckley and Bosworth	Leicestershire	East Midlands	ENG	108,297	3,399	3.1%	2,192	2.0%	17,485	16%	1,498	1.4%	2,672	2.5%	666	0.6%	13,000	12%
E06000016	Leicester	Leicestershire	East Midlands	ENG	421,182	10,137	2.4%	5,081	1.2%	51,074	12%	3,344	0.8%	4,530	1.1%	1,479	0.4%	30,000	7%
E07000133	Melton	Leicestershire	East Midlands	ENG	53,884	1,802	3.3%	1,006	1.9%	9,280	17%	708	1.3%	1,560	2.9%	401	0.7%	6,800	13%
E07000134	North West Leicestershire	Leicestershire	East Midlands	ENG	115,149	3,606	3.1%	2,228	1.9%	17,940	16%	1,340	1.2%	2,947	2.6%	679	0.6%	13,000	11%
E07000135	Oadby and Wigston	Leicestershire	East Midlands	ENG	58,814	2,083	3.5%	1,254	2.1%	9,978	17%	831	1.4%	1,567	2.7%	355	0.6%	7,500	13%
E07000136	Boston	Lincolnshire	East Midlands	ENG	84,242	3,106	3.7%	1,843	2.2%	13,311	16%	1,066	1.3%	1,947	2.3%	568	0.7%	11,000	13%
E07000137	East Lindsey	Lincolnshire	East Midlands	ENG	148,618	8,214	5.5%	4,642	3.1%	30,020	20%	2,824	1.9%	5,297	3.6%	1,495	1.0%	28,000	19%
E07000138	Lincoln	Lincolnshire	East Midlands	ENG	114,694	3,247	2.8%	1,904	1.7%	13,827	12%	893	0.8%	2,066	1.8%	590	0.5%	11,000	10%
E06000012	North East Lincolnshire	Lincolnshire	Yorkshire & The Humber	ENG	170,358	6,455	3.8%	4,073	2.4%	27,581	16%	1,353	0.8%	4,413	2.6%	1,554	0.9%	22,000	13%
E07000139	North Kesteven	Lincolnshire	East Midlands	ENG	98,252	4,011	4.1%	2,157	2.2%	16,103	16%	1,248	1.3%	2,626	2.7%	642	0.7%	13,000	13%
E06000013	North Lincolnshire	Lincolnshire	Yorkshire & The Humber	ENG	185,132	7,923	4.3%	3,963	2.1%	31,577	17%	1,488	0.8%	4,367	2.4%	1,220	0.7%	23,000	12%
E07000140	South Holland	Lincolnshire	East Midlands	ENG	93,838	3,920	4.2%	2,223	2.4%	17,326	18%	1,649	1.8%	2,576	2.7%	682	0.7%	14,000	15%
E07000141	South Kesteven	Lincolnshire	East Midlands	ENG	163,423	6,442	3.9%	3,590	2.2%	28,685	18%	2,714	1.7%	4,498	2.8%	1,086	0.7%	23,000	14%
E07000142	West Lindsey	Lincolnshire	East Midlands	ENG	81,030	3,587	4.4%	1,914	2.4%	14,002	17%	1,082	1.3%	2,266	2.8%	640	0.8%	12,000	15%
E08000011	Knowsley	Merseyside	North West	ENG	162,558	6,753	4.2%	3,096	1.9%	25,397	16%	1,734	1.1%	3,468	2.1%	1,609	1.0%	21,000	13%
E08000012	Liverpool	Merseyside	North West	ENG	563,275	18,229	3.2%	9,933	1.8%	77,798	14%	5,482	1.0%	10,965	1.9%	4,457	0.8%	61,000	11%
E08000014	Sefton	Merseyside	North West	ENG	277,945	11,719	4.2%	6,477	2.3%	48,079	17%	3,810	1.4%	8,179	2.9%	2,331	0.8%	40,000	14%
E08000013	St. Helens	Merseyside	North West	ENG	198,525	8,638	4.4%	4,105	2.1%	35,205	18%	2,097	1.1%	5,181	2.6%	1,794	0.9%	27,000	14%
E08000015	Wirral	Merseyside	North West	ENG	341,852	13,337	3.9%	7,906	2.3%	56,259	16%	4,488	1.3%	10,282	3.0%	2,879	0.8%	48,000	14%
E07000143	Breckland	Norfolk	East of England	ENG	140,346	5,321	3.8%	3,202	2.3%	23,978	17%	1,333	0.9%	3,975	2.8%	924	0.7%	18,000	13%
E07000144	Broadland	Norfolk	East of England	ENG	112,839	3,993	3.5%	2,588	2.3%	18,250	16%	1,018	0.9%	3,103	2.7%	647	0.6%	14,000	12%
E07000145	Great Yarmouth	Norfolk	East of England	ENG	108,533	4,219	3.9%	2,493	2.3%	19,150	18%	998	0.9%	2,592	2.4%	915	0.8%	14,000	13%
E07000146	King's Lynn and West Norfolk	Norfolk	East of England	ENG	153,618	6,491	4.2%	4,151	2.7%	27,354	18%	1,574	1.0%	4,782	3.1%	949	0.6%	22,000	14%
E07000147	North Norfolk	Norfolk	East of England	ENG	104,246	5,193	5.0%	3,257	3.1%	21,206	20%	1,321	1.3%	4,028	3.9%	850	0.8%	18,000	17%
E07000148	Norwich	Norfolk	East of England	ENG	181,646	4,648	2.6%	3,165	1.7%	20,153	11%	1,325	0.7%	3,159	1.7%	943	0.5%	16,000	9%
E07000149	South Norfolk	Norfolk	East of England	ENG	138,390	4,716	3.4%	2,986	2.2%	21,253	15%	1,087	0.8%	3,531	2.6%	731	0.5%	16,000	12%
E07000150	Corby	Northamptonshire	East Midlands	ENG	81,938	2,757	3.4%	1,429	1.7%	10,434	13%	1,105	1.3%	1,447	1.8%	679	0.8%	9,200	11%
E07000151	Daventry	Northamptonshire	East Midlands	ENG	96,711	2,765	2.9%	1,614	1.7%	15,107	16%	811	0.8%	2,330	2.4%	588	0.6%	10,000	10%
E07000152	East Northamptonshire	Northamptonshire	East Midlands	ENG	97,375	3,400	3.5%	1,962	2.0%	16,518	17%	1,057	1.1%	2,416	2.5%	702	0.7%	12,000	12%
E07000153	Kettering	Northamptonshire	East Midlands	ENG	110,366	3,722	3.4%	2,137	1.9%	16,599	15%	1,439	1.3%	2,475	2.2%	675	0.6%	13,000	12%
E07000154	Northampton	Northamptonshire	East Midlands	ENG	257,390	6,520	2.5%	3,680	1.4%	33,937	13%	1,912	0.7%	4,319	1.7%	1,382	0.5%	22,000	9%
E07000155	South Northamptonshire	Northamptonshire	East Midlands	ENG	82,618	2,422	2.9%	1,373	1.7%	12,147	15%	653	0.8%	1,871	2.3%	431	0.5%	8,400	10%
E07000156	Wellingborough	Northamptonshire	East Midlands	ENG	86,821	2,673	3.1%	1,423	1.6%	13,242	15%	659	0.8%	1,603	1.8%	536	0.6%	8,500	10%
E06000057	Northumberland	Northumberland	North East	ENG	328,834	15,236	4.6%	8,911	2.7%	58,805	18%	5,239	1.6%	9,486	2.9%	3,094	0.9%	52,000	16%
E07000170	Ashfield	Nottinghamshire	East Midlands	ENG	128,113	4,897	3.8%	2,681	2.1%	19,716	15%	1,449	1.1%	2,662	2.1%	851	0.7%	16,000	12%
E07000171	Bassetlaw	Nottinghamshire	East Midlands	ENG	116,172	4,098	3.5%	2,514	2.2%	17,300	15%	1,392	1.2%	3,168	2.7%	982	0.8%	15,000	13%
E07000172	Broxtowe	Nottinghamshire	East Midlands	ENG	106,334	3,859	3.6%	2,250	2.1%	16,404	15%	1,445	1.4%	2,689	2.5%	667	0.6%	14,000	13%
E07000173	Gedling	Nottinghamshire	East Midlands	ENG	102,677	3,558	3.5%	2,200	2.1%	15,485	15%	835	0.8%	2,325	2.3%	623	0.6%	12,000	12%
E07000174	Mansfield	Nottinghamshire	East Midlands	ENG	102,646	3,960	3.9%	1,912	1.9%	15,779	15%	882	0.9%	2,118	2.1%	609	0.6%	12,000	12%
E07000175	Newark and Sherwood	Nottinghamshire	East Midlands	ENG	139,492	5,491	3.9%	3,213	2.3%	22,295	16%	1,455	1.0%	3,574	2.6%	962	0.7%	18,000	13%
E06000018	Nottingham	Nottinghamshire	East Midlands	ENG	398,341	9,481	2.4%	5,448	1.4%	41,365	10%	2,409	0.6%	5,089	1.3%	1,878	0.5%	30,000	8%
E07000176	Rushcliffe	Nottinghamshire	East Midlands	ENG	121,571	3,994	3.3%	2,454	2.0%	16,978	14%	1,268	1.0%	3,062	2.5%	583	0.5%	14,000	12%
E07000177	Cherwell	Oxfordshire	South East	ENG	177,672	4,525	2.5%	3,218	1.8%	23,039	13%	1,409	0.8%	3,581	2.0%	925	0.5%	17,000	10%
E07000178	Oxford	Oxfordshire	South East	ENG	225,146	3,239	1.4%	2,384	1.1%	18,959	8%	1,106	0.5%	2,618	1.2%	771	0.3%	13,000	6%
E07000179	South Oxfordshire	Oxfordshire	South East	ENG	149,004	3,821	2.6%	2,792	1.9%	20,802	14%	1,213	0.8%	3,692	2.5%	767	0.5%	15,000	10%
E07000180	Vale of White Horse	Oxfordshire	South East	ENG	125,929	3,372	2.7%	2,747	2.2%	17,714	14%	943	0.7%	2,904	2.3%	585	0.5%	13,000	10%
E07000181	West Oxfordshire	Oxfordshire	South East	ENG	114,957	3,263	2.8%	2,479	2.2%	18,661	16%	1,142	1.0%	3,116	2.7%	657	0.6%	13,000	11%
E06000017	Rutland	Rutland	East Midlands	ENG	39,119	1,376	3.5%	895	2.3%	6,669	17%	538	1.4%	1,257	3.2%	233	0.6%	5,300	14%
E06000051	Shropshire	Shropshire	West Midlands	ENG	319,150	11,970	3.8%	8,452	2.6%	53,351	17%	3,100	1.0%	9,219	2.9%	2,759	0.9%	44,000	14%
E06000020	Telford and Wrekin	Shropshire	West Midlands	ENG	202,041	6,230	3.1%	3,792	1.9%	28,444	14%	1,623	0.8%	3,860	1.9%	1,434	0.7%	21,000	10%
E06000022	Bath and North East Somerset	Somerset	South West	ENG	214,423	6,070	2.8%	3,906	1.8%	27,569	13%	2,074	1.0%	4,941	2.3%	1,097	0.5%	22,000	10%
E07000187	Mendip	Somerset	South West	ENG	118,520	4,197	3.5%	2,590	2.2%	19,701	17%	1,450	1.2%	3,349	2.8%	1,100	0.9%	16,000	13%
E06000024	North Somerset	Somerset	South West	ENG	228,332	8,302	3.6%	5,642	2.5%	37,018	16%	2,315	1.0%	6,852	3.0%	1,572	0.7%	31,000	14%
E07000188	Sedgemoor	Somerset	South West	ENG	129,157	5,121	4.0%	3,079	2.4%	21,671	17%	1,273	1.0%	3,837	3.0%	1,006	0.8%	18,000	14%
E07000246	Somerset West and Taunton	Somerset	South West	ENG	166,331	6,592	4.0%	4,202	2.5%	27,845	17%	1,985	1.2%	5,098	3.1%	1,408	0.8%	24,000	14%
E07000189	South Somerset	Somerset	South West	ENG	176,461	6,742	3.8%	4,128	2.3%	31,382	18%	2,066	1.2%	5,477	3.1%	1,415	0.8%	25,000	14%
E07000192	Cannock Chase	Staffordshire	West Midlands	ENG	106,371	4,109	3.9%	2,069	1.9%	17,672	17%	1,130	1.1%	2,438	2.3%	771	0.7%	13,000	12%
E07000193	East Staffordshire	Staffordshire	West Midlands	ENG	130,600	4,051	3.1%	2,179	1.7%	18,000	14%	1,353	1.0%	2,764	2.1%	638	0.5%	14,000	11%
E07000194	Lichfield	Staffordshire	West Midlands	ENG	83,350	3,100	3.7%	1,702	2.0%	12,998	16%	856	1.0%	2,221	2.7%	457	0.5%	10,000	12%
E07000195	Newcastle-under-Lyme	Staffordshire	West Midlands	ENG	134,855	4,810	3.6%	3,319	2.5%	22,367	17%	1,351	1.0%	3,458	2.6%	947	0.7%	17,000	13%
E07000196	South Staffordshire	Staffordshire	West Midlands	ENG	99,243	3,721	3.7%	2,204	2.2%	17,358	17%	935	0.9%	2,833	2.9%	557	0.6%	13,000	13%
E07000197	Stafford	Staffordshire	West Midlands	ENG	129,522	4,586	3.5%	2,854	2.2%	20,601	16%	1,288	1.0%	3,446	2.7%	884	0.7%	16,000	12%
E07000198	Staffordshire Moorlands	Staffordshire	West Midlands	ENG	92,138	3,720	4.0%	2,405	2.6%	17,452	19%	1,014	1.1%	2,802	3.0%	623	0.7%	13,000	14%
E06000021	Stoke-on-Trent	Staffordshire	West Midlands	ENG	299,592	10,470	3.5%	6,248	2.1%	49,432	16%	2,941	1.0%	6,406	2.1%	2,362	0.8%	35,000	12%
E07000199	Tamworth	Staffordshire	West Midlands	ENG	89,482	3,094	3.5%	1,681	1.9%	13,056	15%	804	0.9%	1,989	2.2%	488	0.5%	10,000	11%
E07000200	Babergh	Suffolk	East of England	ENG	88,736	3,549	4.0%	1,954	2.2%	15,182	17%	1,102	1.2%	2,635	3.0%	519	0.6%	12,000	14%
E07000244	East Suffolk	Suffolk	East of England	ENG	248,131	10,522	4.2%	6,018	2.4%	43,355	17%	3,093	1.2%	7,800	3.1%	1,849	0.7%	36,000	15%
E07000202	Ipswich	Suffolk	East of England	ENG	178,834	5,494	3.1%	3,022	1.7%	23,742	13%	1,740	1.0%	3,504	2.0%	974	0.5%	18,000	10%
E07000203	Mid Suffolk	Suffolk	East of England	ENG	97,017	3,524	3.6%	2,085	2.1%	16,492	17%	1,152	1.2%	2,731	2.8%	541	0.6%	12,000	12%
E07000245	West Suffolk	Suffolk	East of England	ENG	194,802	6,454	3.3%	3,601	1.8%	29,665	15%	2,219	1.1%	4,694	2.4%	1,225	0.6%	23,000	12%

Table 2.12 Prevalence of cardiovascular conditions from GP patient registers, by UK local authority, latest available

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Tableau - data viz

region/nation tables see 2.7

					GP PREVALENCE DATA (PATIENT REGISTERS)															
					Patient List Size	Coronary Heart Disease Register		Stroke/TIA Register		Hypertension Register		Heart Failure Register		Atrial Fibrillation Register		PAD Register		BHF Heart & Circulatory Diseases (CVD) Estimate	
LA Code	LA/DC/UA	Ceremonial County (Eng/Wal)	Region/Nation	4N		*Total*	*%*	*Total*	*%*	*Total*	*%*	*Total*	*%*	*Total*	*%*	*Total*	*%*	*Total*	*%*
E07000207	Elmbridge	Surrey	South East	ENG	*150,737*	3,470	*2.3%*	2,251	*1.5%*	17,804	*12%*	874	*0.6%*	3,061	*2.0%*	555	*0.4%*	13,000	*9%*
E07000208	Epsom and Ewell	Surrey	South East	ENG	*85,643*	2,239	*2.6%*	1,377	*1.6%*	11,794	*14%*	508	*0.6%*	1,704	*2.0%*	384	*0.4%*	7,700	*9%*
E07000209	Guildford	Surrey	South East	ENG	*125,458*	2,699	*2.2%*	1,560	*1.2%*	14,665	*12%*	739	*0.6%*	2,497	*2.0%*	490	*0.4%*	10,000	*8%*
E07000210	Mole Valley	Surrey	South East	ENG	*93,601*	2,814	*3.0%*	1,903	*2.0%*	14,176	*15%*	581	*0.6%*	2,506	*2.7%*	480	*0.5%*	10,000	*11%*
E07000211	Reigate and Banstead	Surrey	South East	ENG	*146,268*	3,776	*2.6%*	2,440	*1.7%*	19,147	*13%*	882	*0.6%*	3,280	*2.2%*	621	*0.4%*	14,000	*10%*
E07000212	Runnymede	Surrey	South East	ENG	*87,410*	2,346	*2.7%*	1,454	*1.7%*	11,523	*13%*	625	*0.7%*	1,854	*2.1%*	416	*0.5%*	8,300	*9%*
E07000213	Spelthorne	Surrey	South East	ENG	*105,098*	3,079	*2.9%*	1,842	*1.8%*	15,708	*15%*	753	*0.7%*	2,355	*2.2%*	553	*0.5%*	11,000	*10%*
E07000214	Surrey Heath	Surrey	South East	ENG	*109,779*	2,955	*2.7%*	1,778	*1.6%*	15,506	*14%*	680	*0.6%*	2,540	*2.3%*	473	*0.4%*	10,000	*9%*
E07000215	Tandridge	Surrey	South East	ENG	*95,555*	2,985	*3.1%*	1,698	*1.8%*	13,042	*14%*	770	*0.8%*	2,449	*2.6%*	500	*0.5%*	10,000	*10%*
E07000216	Waverley	Surrey	South East	ENG	*156,607*	4,480	*2.9%*	2,767	*1.8%*	22,322	*14%*	1,201	*0.8%*	4,389	*2.8%*	722	*0.5%*	17,000	*11%*
E07000217	Woking	Surrey	South East	ENG	*121,583*	2,919	*2.4%*	1,817	*1.5%*	14,487	*12%*	819	*0.7%*	2,343	*1.9%*	521	*0.4%*	10,000	*8%*
E08000037	Gateshead	Tyne & Wear	North East	ENG	*209,706*	7,952	*3.8%*	4,896	*2.3%*	34,246	*16%*	2,438	*1.2%*	4,918	*2.3%*	1,984	*0.9%*	27,000	*13%*
E08000021	Newcastle upon Tyne	Tyne & Wear	North East	ENG	*339,204*	9,440	*2.8%*	5,919	*1.7%*	40,620	*12%*	2,689	*0.8%*	5,410	*1.6%*	2,714	*0.8%*	32,000	*9%*
E08000022	North Tyneside	Tyne & Wear	North East	ENG	*223,577*	9,140	*4.1%*	5,698	*2.5%*	34,890	*16%*	3,401	*1.5%*	5,106	*2.3%*	2,134	*1.0%*	32,000	*14%*
E08000023	South Tyneside	Tyne & Wear	North East	ENG	*158,561*	6,908	*4.4%*	3,433	*2.2%*	25,091	*16%*	2,258	*1.4%*	3,829	*2.4%*	1,465	*0.9%*	22,000	*14%*
E08000024	Sunderland	Tyne & Wear	North East	ENG	*286,241*	13,193	*4.6%*	6,540	*2.3%*	49,802	*17%*	3,337	*1.2%*	6,984	*2.4%*	2,749	*1.0%*	41,000	*14%*
E07000218	North Warwickshire	Warwickshire	West Midlands	ENG	*67,501*	2,121	*3.1%*	1,351	*2.0%*	10,749	*16%*	551	*0.8%*	1,477	*2.2%*	333	*0.5%*	7,200	*11%*
E07000219	Nuneaton and Bedworth	Warwickshire	West Midlands	ENG	*127,168*	3,792	*3.0%*	2,410	*1.9%*	21,787	*17%*	1,178	*0.9%*	2,721	*2.1%*	811	*0.6%*	14,000	*11%*
E07000220	Rugby	Warwickshire	West Midlands	ENG	*113,438*	2,861	*2.5%*	1,870	*1.6%*	15,160	*13%*	822	*0.7%*	2,178	*1.9%*	629	*0.6%*	10,000	*9%*
E07000221	Stratford-on-Avon	Warwickshire	West Midlands	ENG	*151,322*	4,923	*3.3%*	3,476	*2.3%*	24,964	*16%*	1,660	*1.1%*	4,226	*2.8%*	862	*0.6%*	19,000	*13%*
E07000222	Warwick	Warwickshire	West Midlands	ENG	*148,130*	3,936	*2.7%*	2,785	*1.9%*	20,159	*14%*	1,225	*0.8%*	3,301	*2.2%*	695	*0.5%*	15,000	*10%*
E08000025	Birmingham	West Midlands	West Midlands	ENG	*1,332,125*	36,088	*2.7%*	18,716	*1.4%*	160,730	*12%*	8,864	*0.7%*	18,173	*1.4%*	6,023	*0.5%*	110,000	*8%*
E08000026	Coventry	West Midlands	West Midlands	ENG	*426,676*	9,565	*2.2%*	6,035	*1.4%*	52,976	*12%*	2,841	*0.7%*	5,997	*1.4%*	2,196	*0.5%*	33,000	*8%*
E08000027	Dudley	West Midlands	West Midlands	ENG	*322,236*	13,146	*4.1%*	6,581	*2.0%*	57,194	*18%*	3,104	*1.0%*	8,348	*2.6%*	2,015	*0.6%*	41,000	*13%*
E08000028	Sandwell	West Midlands	West Midlands	ENG	*373,539*	13,312	*3.6%*	5,929	*1.6%*	56,824	*15%*	3,570	*1.0%*	6,206	*1.7%*	2,025	*0.5%*	38,000	*10%*
E08000029	Solihull	West Midlands	West Midlands	ENG	*264,395*	8,205	*3.1%*	4,997	*1.9%*	38,928	*15%*	2,106	*0.8%*	5,764	*2.2%*	1,410	*0.5%*	28,000	*11%*
E08000030	Walsall	West Midlands	West Midlands	ENG	*293,521*	11,375	*3.9%*	5,300	*1.8%*	45,156	*15%*	3,378	*1.2%*	6,252	*2.1%*	1,954	*0.7%*	35,000	*12%*
E08000031	Wolverhampton	West Midlands	West Midlands	ENG	*306,488*	9,417	*3.1%*	5,261	*1.7%*	43,631	*14%*	3,008	*1.0%*	5,447	*1.8%*	1,722	*0.6%*	31,000	*10%*
E07000223	Adur	West Sussex	South East	ENG	*65,130*	2,695	*4.1%*	1,374	*2.1%*	11,308	*17%*	722	*1.1%*	1,977	*3.0%*	513	*0.8%*	9,000	*14%*
E07000224	Arun	West Sussex	South East	ENG	*169,271*	7,382	*4.4%*	4,377	*2.6%*	30,870	*18%*	1,867	*1.1%*	5,621	*3.3%*	1,312	*0.8%*	25,000	*15%*
E07000225	Chichester	West Sussex	South East	ENG	*112,728*	4,330	*3.8%*	2,778	*2.5%*	17,842	*16%*	1,096	*1.0%*	3,548	*3.1%*	687	*0.6%*	15,000	*13%*
E07000226	Crawley	West Sussex	South East	ENG	*135,912*	3,803	*2.8%*	1,966	*1.4%*	17,666	*13%*	940	*0.7%*	2,228	*1.6%*	559	*0.4%*	12,000	*9%*
E07000227	Horsham	West Sussex	South East	ENG	*147,947*	4,925	*3.3%*	2,911	*2.0%*	22,261	*15%*	1,012	*0.7%*	3,891	*2.6%*	690	*0.5%*	17,000	*11%*
E07000228	Mid Sussex	West Sussex	South East	ENG	*159,682*	4,880	*3.1%*	3,329	*2.1%*	23,525	*15%*	1,411	*0.9%*	4,123	*2.6%*	781	*0.5%*	18,000	*11%*
E07000229	Worthing	West Sussex	South East	ENG	*116,952*	4,517	*3.9%*	2,675	*2.3%*	19,351	*17%*	1,301	*1.1%*	3,278	*2.8%*	838	*0.7%*	16,000	*14%*
E06000030	Swindon	Wiltshire	South West	ENG	*250,277*	6,747	*2.7%*	3,799	*1.5%*	34,843	*14%*	1,865	*0.7%*	4,534	*1.8%*	1,332	*0.5%*	23,000	*9%*
E06000054	Wiltshire	Wiltshire	South West	ENG	*508,295*	17,392	*3.4%*	11,009	*2.2%*	78,352	*15%*	5,257	*1.0%*	13,602	*2.7%*	3,200	*0.6%*	62,000	*12%*
E07000234	Bromsgrove	Worcestershire	West Midlands	ENG	*97,579*	3,283	*3.4%*	2,199	*2.3%*	15,079	*15%*	1,170	*1.2%*	2,517	*2.6%*	580	*0.6%*	12,000	*12%*
E07000235	Malvern Hills	Worcestershire	West Midlands	ENG	*71,214*	2,609	*3.7%*	1,857	*2.6%*	13,011	*18%*	800	*1.1%*	2,220	*3.1%*	456	*0.6%*	9,800	*14%*
E07000236	Redditch	Worcestershire	West Midlands	ENG	*90,229*	3,072	*3.4%*	1,728	*1.9%*	13,664	*15%*	791	*0.9%*	1,864	*2.1%*	527	*0.6%*	10,000	*11%*
E07000237	Worcester	Worcestershire	West Midlands	ENG	*126,162*	3,479	*2.8%*	2,242	*1.8%*	17,716	*14%*	1,422	*1.1%*	2,649	*2.1%*	667	*0.5%*	13,000	*10%*
E07000238	Wychavon	Worcestershire	West Midlands	ENG	*119,769*	4,202	*3.5%*	2,751	*2.3%*	21,392	*18%*	1,344	*1.1%*	3,422	*2.9%*	694	*0.6%*	15,000	*13%*
E07000239	Wyre Forest	Worcestershire	West Midlands	ENG	*108,987*	4,136	*3.8%*	3,031	*2.8%*	20,274	*19%*	1,642	*1.5%*	3,071	*2.8%*	900	*0.8%*	16,000	*15%*
E06000011	East Riding of Yorkshire	Yorkshire (East Riding)	Yorkshire & The Humber	ENG	*351,063*	16,855	*4.8%*	8,132	*2.3%*	63,708	*18%*	3,917	*1.1%*	10,402	*3.0%*	2,948	*0.8%*	52,000	*15%*
E06000010	Kingston upon Hull, City of	Yorkshire (East Riding)	Yorkshire & The Humber	ENG	*336,481*	12,305	*3.7%*	5,391	*1.6%*	49,107	*15%*	2,757	*0.8%*	5,951	*1.8%*	2,553	*0.8%*	36,000	*11%*
E07000163	Craven	Yorkshire (North Yorkshire)	Yorkshire & The Humber	ENG	*55,581*	2,346	*4.2%*	1,484	*2.7%*	9,551	*17%*	677	*1.2%*	1,754	*3.2%*	539	*1.0%*	8,400	*15%*
E07000164	Hambleton	Yorkshire (North Yorkshire)	Yorkshire & The Humber	ENG	*86,858*	3,593	*4.1%*	2,540	*2.9%*	15,351	*18%*	1,161	*1.3%*	2,819	*3.2%*	636	*0.7%*	13,000	*15%*
E07000165	Harrogate	Yorkshire (North Yorkshire)	Yorkshire & The Humber	ENG	*165,065*	6,436	*3.9%*	3,722	*2.3%*	25,340	*15%*	1,797	*1.1%*	4,735	*2.9%*	1,357	*0.8%*	22,000	*13%*
E06000002	Middlesbrough	Yorkshire (North Yorkshire)	North East	ENG	*163,070*	5,669	*3.5%*	3,162	*1.9%*	21,808	*13%*	1,314	*0.8%*	3,051	*1.9%*	1,348	*0.8%*	18,000	*11%*
E06000003	Redcar and Cleveland	Yorkshire (North Yorkshire)	North East	ENG	*137,738*	5,871	*4.3%*	3,331	*2.4%*	23,798	*17%*	1,424	*1.0%*	3,470	*2.5%*	1,261	*0.9%*	19,000	*14%*
E07000166	Richmondshire	Yorkshire (North Yorkshire)	Yorkshire & The Humber	ENG	*45,027*	1,659	*3.7%*	1,224	*2.7%*	7,893	*18%*	463	*1.0%*	1,223	*2.7%*	326	*0.7%*	6,100	*14%*
E07000167	Ryedale	Yorkshire (North Yorkshire)	Yorkshire & The Humber	ENG	*51,245*	2,137	*4.2%*	1,236	*2.4%*	8,946	*17%*	732	*1.4%*	1,576	*3.1%*	408	*0.8%*	7,500	*15%*
E07000168	Scarborough	Yorkshire (North Yorkshire)	Yorkshire & The Humber	ENG	*118,126*	5,872	*5.0%*	3,220	*2.7%*	21,446	*18%*	1,935	*1.6%*	3,816	*3.2%*	1,401	*1.2%*	20,000	*17%*
E07000169	Selby	Yorkshire (North Yorkshire)	Yorkshire & The Humber	ENG	*79,564*	2,944	*3.7%*	1,779	*2.2%*	11,901	*15%*	730	*0.9%*	2,023	*2.5%*	604	*0.8%*	10,000	*13%*
E06000014	York	Yorkshire (North Yorkshire)	Yorkshire & The Humber	ENG	*232,247*	6,952	*3.0%*	4,522	*1.9%*	28,334	*12%*	2,103	*0.9%*	5,102	*2.2%*	1,624	*0.7%*	25,000	*11%*
E08000016	Barnsley	Yorkshire (South Yorkshire)	Yorkshire & The Humber	ENG	*264,011*	11,467	*4.3%*	5,823	*2.2%*	41,254	*16%*	3,033	*1.1%*	5,977	*2.3%*	2,770	*1.0%*	36,000	*14%*
E08000017	Doncaster	Yorkshire (South Yorkshire)	Yorkshire & The Humber	ENG	*330,791*	11,078	*3.3%*	6,799	*2.1%*	51,255	*15%*	3,723	*1.1%*	7,688	*2.3%*	2,669	*0.8%*	40,000	*12%*
E08000018	Rotherham	Yorkshire (South Yorkshire)	Yorkshire & The Humber	ENG	*266,837*	10,533	*3.9%*	5,788	*2.2%*	43,001	*16%*	2,589	*1.0%*	6,183	*2.3%*	2,075	*0.8%*	34,000	*13%*
E08000019	Sheffield	Yorkshire (South Yorkshire)	Yorkshire & The Humber	ENG	*620,644*	20,735	*3.3%*	12,549	*2.0%*	80,267	*13%*	7,226	*1.2%*	12,858	*2.1%*	4,182	*0.7%*	71,000	*11%*
E08000032	Bradford	Yorkshire (West Yorkshire)	Yorkshire & The Humber	ENG	*627,385*	19,435	*3.1%*	10,363	*1.7%*	84,691	*13%*	5,949	*0.9%*	10,168	*1.6%*	4,343	*0.7%*	62,000	*10%*
E08000033	Calderdale	Yorkshire (West Yorkshire)	Yorkshire & The Humber	ENG	*235,773*	8,386	*3.6%*	4,612	*2.0%*	32,704	*14%*	2,079	*0.9%*	4,633	*2.0%*	1,864	*0.8%*	27,000	*11%*
E08000034	Kirklees	Yorkshire (West Yorkshire)	Yorkshire & The Humber	ENG	*446,784*	15,381	*3.4%*	8,286	*1.9%*	63,171	*14%*	3,965	*0.9%*	7,990	*1.8%*	3,340	*0.7%*	48,000	*11%*
E08000035	Leeds	Yorkshire (West Yorkshire)	Yorkshire & The Humber	ENG	*919,647*	25,787	*2.8%*	15,552	*1.7%*	116,884	*13%*	8,516	*0.9%*	15,694	*1.7%*	5,978	*0.7%*	89,000	*10%*
E08000036	Wakefield	Yorkshire (West Yorkshire)	Yorkshire & The Humber	ENG	*382,401*	14,330	*3.7%*	8,193	*2.1%*	59,780	*16%*	3,127	*0.8%*	8,301	*2.2%*	2,896	*0.8%*	46,000	*12%*
N09000001	Antrim and Newtownabbey		Northern Ireland	NI	*131,366*	5,096	*3.9%*	2,536	*1.9%*	18,468	*14%*	1,161	*0.9%*	2,689	*2.0%*			15,000	*11%*
N09000011	Ards and North Down		Northern Ireland	NI	*161,932*	7,290	*4.5%*	3,690	*2.3%*	24,287	*15%*	1,824	*1.1%*	3,970	*2.5%*			22,000	*14%*
N09000002	Armagh City, Banbridge and Craigavon		Northern Ireland	NI	*223,517*	7,845	*3.5%*	3,874	*1.7%*	30,383	*14%*	2,253	*1.0%*	4,210	*1.9%*			24,000	*11%*
N09000003	Belfast		Northern Ireland	NI	*431,462*	15,607	*3.6%*	8,560	*2.0%*	55,848	*13%*	4,076	*0.9%*	8,237	*1.9%*			47,000	*11%*
N09000004	Causeway Coast and Glens		Northern Ireland	NI	*149,726*	5,890	*3.9%*	3,140	*2.1%*	23,531	*16%*	1,546	*1.0%*	3,543	*2.4%*			18,000	*12%*
N09000005	Derry City and Strabane		Northern Ireland	NI	*173,350*	5,633	*3.2%*	3,110	*1.8%*	23,210	*13%*	1,498	*0.9%*	3,311	*1.9%*			18,000	*10%*
N09000006	Fermanagh and Omagh		Northern Ireland	NI	*123,239*	4,817	*3.9%*	2,631	*2.1%*	18,899	*15%*	1,079	*0.9%*	2,880	*2.3%*			15,000	*12%*
N09000007	Lisburn and Castlereagh		Northern Ireland	NI	*117,925*	4,295	*3.6%*	2,421	*2.1%*	16,298	*14%*	1,038	*0.9%*	2,618	*2.2%*			13,000	*11%*
N09000008	Mid and East Antrim		Northern Ireland	NI	*143,586*	5,860	*4.1%*	2,923	*2.0%*	21,902	*15%*	1,299	*0.9%*	3,261	*2.3%*			17,000	*12%*
N09000009	Mid Ulster		Northern Ireland	NI	*155,393*	5,552	*3.6%*	2,653	*1.7%*	20,363	*13%*	1,446	*0.9%*	2,921	*1.9%*			16,000	*10%*
N09000010	Newry, Mourne and Down		Northern Ireland	NI	*190,125*	6,476	*3.4%*	3,263	*1.7%*	26,435	*14%*	2,158	*1.1%*	3,758	*2.0%*			20,000	*11%*
S12000033	Aberdeen City		Scotland	SCO	*247,078*	8,133	*3.3%*	4,395	*1.8%*	28,418	*12%*	1,756	*0.7%*	3,827	*1.5%*	1,841	*0.7%*	25,000	*10%*
S12000034	Aberdeenshire		Scotland	SCO	*243,833*	9,100	*3.7%*	4,747	*1.9%*	34,091	*14%*	2,203	*0.9%*	4,735	*1.9%*	1,810	*0.7%*	28,000	*11%*
S12000041	Angus		Scotland	SCO	*119,375*	5,187	*4.3%*	3,259	*2.7%*	19,418	*16%*	925	*0.8%*	2,770	*2.3%*	1,212	*1.0%*	17,000	*14%*
S12000035	Argyll and Bute		Scotland	SCO	*88,520*	4,356	*4.9%*	2,566	*2.9%*	15,453	*17%*	926	*1.0%*	2,473	*2.8%*	855	*1.0%*	14,000	*16%*
S12000036	City of Edinburgh		Scotland	SCO	*560,720*	14,611	*2.6%*	9,678	*1.7%*	57,724	*10%*	3,201	*0.6%*	8,036	*1.4%*	3,314	*0.6%*	48,000	*9%*
S12000005	Clackmannanshire		Scotland	SCO	*57,227*	2,575	*4.5%*	1,427	*2.5%*	8,881	*16%*	547	*1.0%*	1,106	*1.9%*	534	*0.9%*	7,700	*13%*
S12000006	Dumfries and Galloway		Scotland	SCO	*153,936*	7,628	*5.0%*	4,085	*2.7%*	26,264	*17%*	1,351	*0.9%*	4,062	*2.6%*	1,516	*1.0%*	23,000	*15%*
S12000042	Dundee City		Scotland	SCO	*162,650*	6,178	*3.8%*	3,857	*2.4%*	21,824	*13%*	1,711	*1.1%*	2,954	*1.8%*	1,799	*1.1%*	21,000	*13%*
S12000008	East Ayrshire		Scotland	SCO	*128,473*	6,383	*5.0%*	3,583	*2.8%*	21,727	*17%*	1,577	*1.2%*	2,695	*2.1%*	1,408	*1.1%*	20,000	*16%*
S12000045	East Dunbartonshire		Scotland	SCO	*107,645*	4,359	*4.0%*	2,526	*2.3%*	16,128	*15%*	1,032	*1.0%*	2,626	*2.4%*	606	*0.6%*	14,000	*13%*
S12000010	East Lothian		Scotland	SCO	*111,007*	4,359	*3.9%*	2,686	*2.4%*	16,022	*14%*	986	*0.9%*	2,343	*2.1%*	936	*0.8%*	14,000	*13%*
S12000011	East Renfrewshire		Scotland	SCO	*108,788*	3,870	*3.6%*	2,265	*2.1%*	13,506	*12%*	870	*0.8%*	1,932	*1.8%*	608	*0.6%*	12,000	*11%*
S12000014	Falkirk		Scotland	SCO	*162,976*	7,045	*4.3%*	3,633	*2.2%*	24,526	*15%*	1,307	*0.8%*	2,962	*1.8%*	1,364	*0.8%*	20,000	*12%*
S12000047	Fife		Scotland	SCO	*383,447*	14,913	*3.9%*	9,670	*2.5%*	59,182	*15%*	3,068	*0.8%*	6,968	*1.8%*	3,690	*1.0%*	48,000	*13%*
S12000049	Glasgow City		Scotland	SCO	*728,969*	24,945	*3.4%*	14,482	*2.0%*	79,113	*11%*	6,047	*0.8%*	10,282	*1.4%*	5,299	*0.7%*	76,000	*10%*
S12000017	Highland		Scotland	SCO	*240,679*	10,741	*4.5%*	6,149	*2.6%*	36,574	*15%*	2,403	*1.0%*	5,520	*2.3%*	2,468	*1.0%*	34,000	*14%*
S12000018	Inverclyde		Scotland	SCO	*80,774*	4,194	*5.2%*	2,532	*3.1%*	12,688	*16%*	815	*1.0%*	1,696	*2.1%*	888	*1.1%*	13,000	*16%*
S12000019	Midlothian		Scotland	SCO	*96,612*	3,885	*4.0%*	2,317	*2.4%*	13,821	*14%*	954	*1.0%*	1,843	*1.9%*	936	*1.0%*	12,000	*12%*
S12000020	Moray		Scotland	SCO	*93,430*	3,912	*4.2%*	2,292	*2.5%*	14,219	*15%*	1,029	*1.1%*	2,081	*2.2%*	824	*0.9%*	13,000	*14%*
S12000013	Na h-Eileanan Siar (Western Isles)		Scotland	SCO	*26,845*	1,508	*5.6%*	725	*2.7%*	5,216	*19%*	461	*1.7%*	855	*3.2%*	412	*1.5%*	4,900	*18%*
S12000021	North Ayrshire		Scotland	SCO	*139,738*	6,785	*4.9%*	3,976	*2.8%*	22,330	*16%*	1,196	*0.9%*	2,927	*2.1%*	1,387	*1.0%*	20,000	*14%*
S12000050	North Lanarkshire		Scotland	SCO	*348,341*	14,667	*4.2%*	7,520	*2.2%*	48,045	*14%*	2,373	*0.7%*	5,953	*1.7%*	2,835	*0.8%*	42,000	*12%*
S12000023	Orkney Islands		Scotland	SCO	*21,739*	845	*3.9%*	450	*2.1%*	3,557	*16%*	191	*0.9%*	492	*2.3%*	158	*0.7%*	2,600	*12%*
S12000048	Perth and Kinross		Scotland	SCO	*148,293*	5,741	*3.9%*	3,859	*2.6%*	22,293	*15%*	1,398	*0.9%*	3,782	*2.6%*	1,214	*0.8%*	20,000	*13%*
S12000038	Renfrewshire		Scotland	SCO	*182,675*	8,007	*4.4%*	4,126	*2.3%*	26,466	*14%*	1,873	*1.0%*	3,659	*2.0%*	1,513	*0.8%*	24,000	*13%*
S12000026	Scottish Borders		Scotland	SCO	*119,046*	5,537	*4.7%*	3,413	*2.9%*	17,992	*15%*	1,126	*0.9%*	2,890	*2.4%*	1,074	*0.9%*	18,000	*15%*
S12000027	Shetland Islands		Scotland	SCO	*22,696*	788	*3.5%*	431	*1.9%*	3,811	*17%*	297	*1.3%*	557	*2.5%*	197	*0.9%*	2,800	*12%*
S12000028	South Ayrshire		Scotland	SCO	*113,913*	5,975	*5.2%*	3,405	*3.0%*	19,491	*17%*	1,168	*1.0%*	2,749	*2.4%*	1,243	*1.1%*	18,000	*16%*
S12000029	South Lanarkshire		Scotland	SCO	*335,602*	14,093	*4.2%*	7,777	*2.3%*	48,601	*14%*	2,412	*0.7%*	6,609	*2.0%*	2,784	*0.8%*	42,000	*13%*
S12000030	Stirling		Scotland	SCO	*98,046*	3,513	*3.6%*	1,874	*1.9%*	12,528	*13%*	765	*0.8%*	1,757	*1.8%*	599	*0.6%*	11,000	*11%*
S12000039	West Dunbartonshire		Scotland	SCO	*96,129*	4,367	*4.5%*	2,465	*2.6%*	14,424	*15%*	1,165	*1.2%*	2,148	*2.2%*	1,098	*1.1%*	14,000	*15%*
S12000040	West Lothian		Scotland	SCO	*194,520*	6,880	*3.5%*	4,147	*2.1%*	26,467	*14%*	1,297	*0.7%*	3,070	*1.6%*	1,615	*0.8%*	21,000	*11%*
W06000003	Conwy	Clwyd	Wales / Cymru	WAL	*116,941*	5,050	*4.3%*	2,881	*2.5%*	21,042	*18%*	1,489	*1.3%*	3,252	*2.8%*			14,000	*12%*
W06000004	Denbighshire / Sir Ddinbych	Clwyd	Wales / Cymru	WAL	*111,879*	4,765	*4.3%*	2,458	*2.2%*	19,214	*17%*	1,347	*1.2%*	2,938	*2.6%*			13,000	*12%*
W06000005	Flintshire / Sir y Fflint	Clwyd	Wales / Cymru	WAL	*153,105*	5,628	*3.7%*	2,907	*1.9%*	24,620	*16%*	1,550	*1.0%*	3,567	*2.3%*			16,000	*10%*
W06000006	Wrexham / Wrecsam	Clwyd	Wales / Cymru	WAL	*138,006*	4,826	*3.5%*	2,682	*1.9%*	22,921	*17%*	1,449	*1.0%*	3,132	*2.3%*			14,000	*10%*
W06000010	Carmarthenshire / Sir Gaerfyrddin	Dyfed	Wales / Cymru	WAL	*173,281*	7,449	*4.3%*	4,202	*2.4%*	28,586	*16%*	2,023	*1.2%*	4,906	*2.8%*			21,000	*12%*
W06000008	Ceredigion	Dyfed	Wales / Cymru	WAL	*93,723*	3,533	*3.8%*	1,974	*2.1%*	15,612	*17%*	1,285	*1.4%*	2,518	*2.7%*			10,500	*11%*
W06000009	Pembrokeshire / Sir Benfro	Dyfed	Wales / Cymru	WAL	*120,357*	4,760	*4.0%*	2,989	*2.5%*	21,311	*18%*	1,369	*1.1%*	3,842	*3.2%*			15,000	*12%*
W06000019	Blaenau Gwent	Gwent	Wales / Cymru	WAL	*72,215*	3,030	*4.2%*	1,591	*2.2%*	13,389	*19%*	1,082	*1.5%*	1,569	*2.2%*			8,400	*12%*
W06000018	Caerphilly / Caerffili	Gwent	Wales / Cymru	WAL	*187,689*	7,069	*3.8%*	3,702	*2.0%*	30,979	*17%*	1,672	*0.9%*	4,025	*2.1%*			19,000	*10%*
W06000021	Monmouthshire / Sir Fynwy	Gwent	Wales / Cymru	WAL	*100,577*	3,761	*3.7%*	2,434	*2.4%*	16,954	*17%*	1,465	*1.5%*	2,889	*2.9%*			12,000	*12%*
W06000022	Newport / Casnewydd	Gwent	Wales / Cymru	WAL	*161,996*	4,956	*3.1%*	2,793	*1.7%*	22,678	*14%*	1,257	*0.8%*	2,812	*1.7%*			14,000	*9%*
W06000020	Torfaen / Tor-faen	Gwent	Wales / Cymru	WAL	*96,178*	3,785	*3.9%*	2,086	*2.2%*	16,083	*17%*	1,032	*1.1%*	2,276	*2.4%*			11,000	*11%*
W06000002	Gwynedd	Gwynedd	Wales / Cymru	WAL	*124,492*	4,178	*3.4%*	2,482	*2.0%*	19,757	*16%*	1,309	*1.1%*	2,988	*2.4%*			13,000	*10%*
W06000001	Isle of Anglesey / Ynys Môn	Gwynedd	Wales / Cymru	WAL	*65,653*	2,644	*4.0%*	1,685	*2.6%*	11,651	*18%*	807	*1.2%*	1,768	*2.7%*			7,900	*12%*
W06000013	Bridgend / Pen-y-bont ar Ogwr	Mid Glamorgan / Morgannwg Ganol	Wales / Cymru	WAL	*158,837*	6,523	*4.1%*	4,283	*2.7%*	26,827	*17%*	1,889	*1.2%*	4,084	*2.6%*			19,000	*12%*
W06000024	Merthyr Tydfil / Merthyr Tudful	Mid Glamorgan / Morgannwg Ganol	Wales / Cymru	WAL	*61,092*	2,243	*3.7%*	1,267	*2.1%*	10,361	*17%*	565	*0.9%*	1,356	*2.2%*			6,200	*10%*
W06000016	Rhondda Cynon Taf	Mid Glamorgan / Morgannwg Ganol	Wales / Cymru	WAL	*246,539*	9,290	*3.8%*	5,168	*2.1%*	41,667	*17%*	2,248	*0.9%*	5,686	*2.3%*			26,000	*11%*
W06000023	Powys	Powys	Wales / Cymru	WAL	*139,149*	5,661	*4.1%*	3,648	*2.6%*	24,231	*17%*	1,791	*1.3%*	3,937	*2.8%*			17,000	*12%*

Table 2.12 Prevalence of cardiovascular conditions from GP patient registers, by UK local authority, latest available

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Tableau - data viz

region/nation tables see 2.7

					GP PREVALENCE DATA (PATIENT REGISTERS)													
					Patient List Size	Coronary Heart Disease Register		Stroke/TIA Register		Hypertension Register		Heart Failure Register		Atrial Fibrillation Register		PAD Register		BHF Heart & Circulatory Diseases (CVD) Estimate	
LA Code	LA/DC/UA	Ceremonial County (Eng/Wal)	Region/Nation	4N		*Total*	*%*	*Total*	*%*	*Total*	*%*	*Total*	*%*	*Total*	*%*	*Total*	*%*	*Total*	*%*
W06000015	Cardiff / Caerdydd	South Glamorgan / De Morgannwg	Wales / Cymru	WAL	*389,490*	9,769	*2.5%*	6,095	*1.6%*	45,969	*12%*	3,258	*0.8%*	6,081	*1.6%*			29,000	*7%*
W06000014	Vale of Glamorgan / Bro Morgannwg	South Glamorgan / De Morgannwg	Wales / Cymru	WAL	*129,871*	4,286	*3.3%*	2,777	*2.1%*	19,412	*15%*	1,406	*1.1%*	3,042	*2.3%*			13,000	*10%*
W06000012	Neath/Castell-nedd Port Talbot	West Glamorgan / Gorllewin Morgannwg	Wales / Cymru	WAL	*147,084*	5,807	*3.9%*	3,374	*2.3%*	24,337	*17%*	1,510	*1.0%*	3,598	*2.4%*			16,000	*11%*
W06000011	Swansea / Abertawe	West Glamorgan / Gorllewin Morgannwg	Wales / Cymru	WAL	*255,344*	8,720	*3.4%*	5,392	*2.1%*	34,941	*14%*	2,650	*1.0%*	5,766	*2.3%*			25,000	*10%*

Notes: England - Copyright © Health and Social Care Information Centre 2020.

TIA = Transient Ischaemic Attacks; PAD = Peripheral Arterial Disease

region/nation totals see Table 2.7

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)

England includes some 2018/19 data - around 200 current practices were missing from the published 2019/20 data because of the coronavirus pandemic (BHF analysis)

For Scotland, adjustments have been made for areas where patients were missing from lists.

BHF CVD estimates based on latest prevalence data; NHS Digital/PH Scotland/StatsWales/DH Northern Ireland and health surveys: NHS Digital (England) and Welsh/Scottish Government; plus ONS population estimates

Source:

England - Health and Social Care Information Centre. QOF prevalence data 2019/20
https://digital.nhs.uk/data-and-information/publications/statistical/quality-and-outcomes-framework-achievement-prevalence-and-exceptions-data/2019-20

Wales - StatsWales. QOF prevalence data 2018/19 (series discontinued)
https://gov.wales/general-medical-services-contract-quality-and-outcomes-framework-april-2018-march-2019

Scotland - Public Health Scotland. GP prevalence data 2018/19
https://beta.isdscotland.org/find-publications-and-data/health-services/primary-care/general-practice-disease-prevalence-data-visualisation/

Northern Ireland - Department of Health, QOF prevalence data 2019/20
https://www.health-ni.gov.uk/topics/doh-statistics-and-research/quality-outcomes-framework-qof

Table 2.13 Prevalence of selected cardiovascular conditions by gender, England 2003-2017

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		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.
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Source:

Health Survey for England 2017, NHS Digital (2018) (accessed December 2018).
https://digital.nhs.uk/data-and-information/publications/statistical/health-survey-for-england/2017

Table 2.14 Prevalence of selected cardiovascular conditions by gender, Scotland 2003-2019

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		2003	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019
		%	%	%	%	%	%	%	%	%	%	%	%	%
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
	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
	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
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
	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
	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
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
	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
	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**

Notes:

For adults aged 16 years and over.

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 diabetes and high blood pressure.

Source:

The Scottish Government. The Scottish Health Survey 2019 and previous editions.
www.gov.scot/collections/scottish-health-survey/

Table 2.15 Prevalence of selected cardiovascular conditions by age group, England 2003 to 2017

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		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.

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Source:

Health Survey for England 2017, NHS Digital (2018) (accessed December 2018).
https://digital.nhs.uk/data-and-information/publications/statistical/health-survey-for-england/2017

Table 2.16 Prevalence of selected cardiovascular conditions by age group, Scotland 2003-2019

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		2003	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019
		%	%	%	%	%	%	%	%	%	%	%	%	%
CHD	16-24	-	-	0.1	-	0.6	-	-	-	0.7	-	-	-	-
	25-34	0.6	-	0.2	0.5	0.1	0.3	0.3	0.5	0.4	-	0.1	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
	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
	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
	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
	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
	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
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	-	-
	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
	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
	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
	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
	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
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
	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
	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
	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
	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
	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
	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
	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**

Notes:

For all adults aged 16 years and over.

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 diabetes and high blood pressure.

Source:

The Scottish Government. The Scottish Health Survey 2019 and previous editions.
www.gov.scot/collections/scottish-health-survey/

Table 2.17 Prevalence of heart and circulatory complaints by gender and age group, Wales 2016/17-2019/20

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		2016/17 %	2017/18 %	2018/19 %	2019/20 %
Men	16-44	1.8	1.8	2.5	1.5
	45-64	16.0	16.1	16.1	16.2
	65+	32.8	33.5	33.6	32.8
	All adults	13.5	13.9	14.2	13.7
Women	16-44	3.0	2.4	2.6	2.5
	45-64	13.6	11.0	9.6	12.3
	65+	27.7	26.2	28.0	28.6
	All adults	12.7	11.4	11.5	12.5
Both	16-44	2.4	2.1	2.6	2.0
	45-64	14.8	13.5	12.7	14.2
	65+	30.1	29.6	30.6	30.5
	All adults	**13.1**	**12.6**	**12.8**	**13.1**

Notes: Adults aged 16 years and over.

Source: National Survey for Wales (accessed March 2021)
https://gov.wales/adult-general-health-and-illness-national-survey-wales

Table 2.18 Prevalence of selected cardiovascular conditions by equivalised household income and gender, England 2017

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		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.

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Source:

Health Survey for England 2017, NHS Digital (2018) (accessed December 2018).

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

Table 2.19 Prevalence of selected cardiovascular conditions by equivalised household income and gender, Scotland 2019

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		Equivalised household income quintile				
		Highest	2nd	3rd	4th	Lowest
		%	%	%		%
CHD	Men	4	6	7	7	10
	Women	4	3	4	4	8
	All adults	4	4	5	6	9
Stroke	Men	3	3	3	4	6
	Women	2	2	3	3	5
	All adults	2	2	3	3	5
Any CVD	Men	14	16	15	20	21
	Women	11	10	12	15	20
	All adults	**13**	**13**	**13**	**17**	**21**

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. had cardiovascular condition; excludes high blood pressure

Source: The Scottish Government (2020). The Scottish Health Survey 2019.
https://www2.gov.scot/Topics/Statistics/Browse/Health/scottish-health-survey

Table 2.20 Prevalence of selected cardiovascular conditions by Scottish Index of Multiple Deprivation (SIMD) and gender, Scotland 2019

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		SIMD Quintiles				
		Least deprived quintile	2nd	3rd	4th	Most deprived quintile
		%	%	%	%	%
CHD	Men	6	5	6	5	12
	Women	3	3	4	4	8
	All adults	4	4	5	5	10
Stroke	Men	2	2	4	4	4
	Women	2	2	2	3	5
	All adults	2	2	3	4	5
Any CVD	Men	14	15	19	16	22
	Women	11	11	13	15	18
	All adults	**12**	**13**	**16**	**16**	**20**

Notes:

For all adults aged 16 years and over.

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

Source:

The Scottish Government (2020). The Scottish Health Survey 2019.

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

Table 2.21 Prevalence of any cardiovascular condition by Scottish Index of Multiple Deprivation (SIMD) and gender, Scotland 2013-2019

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

Notes: For all adults aged 16 years and over.

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

Source: The Scottish Government. The Scottish Health Survey 2019 and previous editions.
www.gov.scot/collections/scottish-health-survey/

Table 2.22 Prevalence of heart and circulatory complaints by IMD quintile, Wales 2019/20

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	Quintile 1 (most deprived)	Quintile 2	Quintile 3	Quintile 4	Quintile 5 (least deprived)
	%	%	%	%	%
Heart & Circulatory Complaints	15.0	13.3	12.5	12.1	11.3

Notes: Adults aged 16 years and over.

Source: National Survey for Wales: April 2019 to March 2020 adult general health and illness by WIMD deprivation quintile (accessed March 2021)
https://gov.wales/adult-general-health-and-illness-national-survey-wales-april-2019-march-2020

Table 2.23 Prevalence of cardiovascular disease (CVD), coronary heart disease (CHD), and stroke (CBVD) by nation and region, United Kingdom 2019

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Nation	English Region	Prevalence A/S CVD 2019 est	Prevalence A/S CHD 2019 est	Prevalence Stroke A/S 2019
	East Midlands	5,592	1,654	586
	East of England	5,543	1,590	576
	Greater London	5,540	1,502	560
	North East England	5,844	1,814	626
	North West England	5,820	1,740	625
	South East England	5,435	1,496	567
	South West England	5,408	1,540	587
	West Midlands	5,596	1,615	601
	Yorkshire and the Humber	5,542	1,685	610
England		*5,571*	*1,607*	*590*
Scotland		*5,558*	*1,783*	*1,232*
Wales		*5,319*	*1,787*	*805*
Northern Ireland		*5,151*	*1,726*	*660*
United Kingdom		**5,546**	**1,635**	**658**

Notes: All figures are 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, I28-I28.8, 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

For actual prevalence totals from patient data see Table 2.7

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

Global Burden of Disease Study 2019 (GBD 2019) Results. [accessed March 2021]

Seattle, United States: Institute for Health Metrics and Evaluation (IHME), 2020.

Table 2.24 Prevalence of cardiovascular disease (CVD), coronary heart disease (CHD), and stroke (CBVD), by country and continent 2019

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Region	Country	Prevalence CVD 2019 est	Prevalence A/S CVD 2019 est	Prevalence CHD 2019 est	Prevalence A/S CHD 2019 est	Prevalence Stroke 2019 est	Prevalence Stroke A/S 2019
GLOBAL		**523,199,456**	**6,431.6**	**197,219,450**	**2,421.0**	**101,474,558**	**1,240.3**
EUROPE		**94,819,276**	**6,428.5**	**37,982,644**	**2,459.7**	**13,456,010**	**978.8**
	Albania	289,436	7,244.8	109,567	2,529.4	39,915	994.3
	Andorra	7,068	5,119.0	2,355	1,702.0	885	671.2
	Austria	1,058,981	6,271.1	306,974	1,788.1	130,632	827.7
	Belarus	1,101,143	7,056.4	580,377	3,619.9	192,844	1,305.0
	Belgium	1,182,981	5,603.3	407,560	1,878.4	138,000	697.0
	Bosnia and Herzegovina	423,873	7,338.7	181,696	3,059.9	84,587	1,510.9
	Bulgaria	1,003,030	7,425.8	444,797	3,027.1	211,510	1,605.2
	Croatia	561,125	6,732.1	255,390	2,912.8	81,664	1,026.1
	Cyprus	97,824	5,136.8	30,065	1,545.5	12,405	682.0
	Czechia	1,531,929	7,786.2	715,298	3,406.0	192,928	1,026.8
	Denmark	619,142	5,751.5	195,074	1,763.0	71,554	719.9
	Estonia	197,417	7,882.0	117,113	4,319.6	18,955	869.4
	Finland	641,021	5,620.2	221,923	1,875.7	92,719	904.9
	France	6,778,417	5,377.6	2,101,934	1,622.0	741,738	635.0
	Germany	10,170,286	5,773.5	3,646,985	1,995.1	1,317,688	796.1
	Greece	1,125,317	5,063.1	367,951	1,627.4	162,441	793.1
	Hungary	1,416,193	7,697.5	636,087	3,275.3	214,386	1,236.6
	Ireland	396,368	5,475.0	135,237	1,836.9	44,036	643.7
	Italy	9,612,414	7,499.4	2,757,143	2,032.3	772,098	632.9
	Latvia	272,328	7,129.7	148,260	3,611.3	42,211	1,228.7
	Lithuania	391,204	7,169.5	199,186	3,359.5	58,188	1,184.2
	Luxembourg	56,353	5,864.5	14,895	1,515.3	5,986	650.4
	Malta	46,291	5,255.4	14,563	1,615.5	5,354	674.4
	Moldova	382,222	6,706.9	201,318	3,479.1	59,557	1,084.3
	Montenegro	68,422	7,106.3	32,081	3,262.8	11,646	1,255.4
	Netherlands	1,768,113	5,527.6	740,162	2,259.2	216,712	731.0
	North Macedonia	212,146	6,739.4	89,809	2,848.3	50,331	1,615.4
	Norway	586,710	6,544.4	157,232	1,695.9	95,196	1,095.7
	Poland	4,238,172	6,353.9	1,491,616	2,130.2	623,986	984.2
	Portugal	1,088,398	4,870.8	304,034	1,325.3	166,193	803.9
	Romania	2,553,334	7,140.8	1,080,126	2,876.8	452,322	1,327.7
	Russian Federation	17,197,802	7,452.5	8,457,546	3,577.3	3,020,719	1,365.7
	Serbia	1,180,087	7,688.5	591,020	3,709.9	218,355	1,463.6
	Slovakia	604,373	6,796.2	254,172	2,760.1	101,260	1,166.5
	Slovenia	285,329	6,989.7	123,961	2,867.3	29,187	769.1
	Spain	4,519,727	5,028.8	1,528,788	1,685.5	552,068	663.2
	Sweden	1,230,392	6,475.8	364,179	1,819.1	176,295	1,065.3
	Switzerland	822,501	4,986.3	270,308	1,619.6	93,345	608.3
	Ukraine	5,584,329	7,485.4	3,143,342	4,050.7	926,607	1,356.5
	United Kingdom #	**6,499,102**	**5,545.7**	**1,975,561**	**1,635.0**	**718,222**	**658.5**
	England #	*5,439,764*	*5,571.1*	*1,616,746*	*1,607.2*	*531,774*	*589.8*
	Scotland #	*569,537*	*5,557.7*	*189,204*	*1,782.6*	*120,587*	*1,231.6*
	Wales #	*328,120*	*5,318.6*	*114,247*	*1,787.5*	*46,305*	*804.7*
	Northern Ireland #	*161,681*	*5,151.1*	*55,365*	*1,726.3*	*19,556*	*660.2*
NORTH AMERICA		**43,975,157**	**7,529.2**	**9,986,696**	**1,626.2**	**7,702,816**	**1,345.6**
	Canada	4,298,909	6,798.8	1,115,492	1,663.0	610,452	985.5
	United States	39,669,218	7,617.1	8,867,236	1,621.4	7,091,313	1,388.6
LATIN AMERICA & CARIBBEAN		**30,325,429**	**5,159.2**	**10,957,904**	**1,893.5**	**6,641,685**	**1,114.2**
	Brazil	12,746,932	5,453.5	4,003,896	1,708.7	2,985,012	1,256.6
ASIA		**295,161,128**	**6,197.8**	**120,805,500**	**2,564.4**	**62,507,323**	**1,297.7**
	China	120,332,012	6,176.8	45,196,852	2,322.7	28,760,186	1,468.9
	India	71,130,330	6,152.1	37,554,167	3,471.8	9,650,716	761.7
	Japan	17,250,847	5,804.5	3,696,208	1,084.0	4,027,066	1,375.9
	Turkey	5,477,042	6,240.8	2,785,049	3,227.0	1,080,379	1,213.6
	United Arab Emirates	455,632	8,472.3	197,600	5,246.7	136,808	2,225.7
AFRICA		**54,708,173**	**7,067.2**	**16,461,721**	**2,819.4**	**10,511,189**	**1,393.3**
	South Africa	3,179,254	6,740.3	926,504	2,153.9	664,089	1,413.4
AUSTRALASIA		**3,022,001**	**6,369.2**	**1,387,757**	**2,836.8**	**287,249**	**652.3**
	Australia	2,584,966	6,478.0	1,205,750	2,930.3	242,448	651.0
	New Zealand	437,034	5,784.4	182,008	2,341.9	44,801	660.8

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

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, I28-I28.8, 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

Source: Global Burden of Disease Collaborative Network. http://ghdx.healthdata.org/gbd-results-tool
Global Burden of Disease Study 2019 (GBD 2019) Results. [accessed March 2021]
Seattle, United States: Institute for Health Metrics and Evaluation (IHME), 2020.

bhf.org.uk/statistics

Heart and Circulatory Disease Statistics 2021 - 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.

PRESCRIPTIONS	
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Table 3.1 Prescriptions used in the prevention and treatment of heart and circulatory diseases (CVD), England 1981 to 2019

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Thousands (000s)

Prescriptions	1981	1986	1991	1996	2001	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019
Digoxin and other positive inotropic drugs (2.1)	4,243	3,722	3,822	3,871	4,031	4,126	4,141	4,149	4,119	4,088	4,006	3,900	3,770	3,634	3,460	3,297	3,148	3,025	2,907
Diuretics (2.2)	20,678	21,996	22,195	23,106	30,203	37,582	37,355	37,536	37,511	37,687	37,563	37,258	36,650	36,208	35,327	34,509	33,354	32,353	31,573
Anti-arrhythmic drugs (2.3)	232	334	532	840	1,292	1,265	1,247	1,226	1,188	1,174	1,156	1,129	1,107	1,088	1,061	1,048	1,009	987	971
Beta-adrenoreceptor blocking drugs (2.4)	9,827	12,525	14,282	14,375	20,439	27,378	26,810	27,634	28,529	29,686	30,924	32,355	33,597	34,860	35,948	37,038	37,817	38,618	39,564
Antihypertensive and heart failure drugs (2.5)	4,912	4,424	6,431	12,125	25,047	47,742	53,634	57,823	60,838	63,571	65,449	67,184	68,652	70,072	70,774	71,453	71,531	72,128	72,986
Nitrates, calcium blockers & other antianginal drugs (2.6)	5,156	10,314	16,718	21,971	26,814	34,707	37,214	39,100	40,575	42,043	43,086	44,675	45,868	46,992	47,812	48,740	49,365	50,201	51,431
Anticoagulants and protamine (2.8)	629	900	1,356	2,609	4,609	6,790	7,309	7,991	8,546	9,157	9,773	10,723	11,906	13,173	14,647	15,938	17,000	17,992	18,871
Antiplatelet drugs (2.9)	281	1,058	3,619	9,002	18,891	32,779	35,382	38,124	39,107	38,182	38,351	38,603	38,661	38,444	37,312	36,297	35,082	34,140	33,346
Anti-fibrinolytic drugs and haemostatics (2.11)					282	327	352	358	363	373	392	396	393	408	416	409	402	414	438
Lipid-lowering drugs (2.12)	295	247	1,066	3,138	13,523	42,098	47,412	52,190	56,452	59,550	61,649	64,399	66,795	68,437	69,731	70,957	72,612	74,289	76,044
All prescriptions for disease of the circulatory system	**46,252**	**55,520**	**70,022**	**91,037**	**145,131**	**234,793**	**250,855**	**266,130**	**277,244**	**285,530**	**292,370**	**300,647**	**307,424**	**313,342**	**316,520**	**319,734**	**321,385**	**324,236**	**328,247**

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.

Source: NHSBSA. Prescription cost analysis.
https://digital.nhs.uk/data-and-information/publications/statistical/prescription-cost-analysis

Table 3.2 Prescriptions used in the prevention and treatment of heart and circulatory diseases (CVD), Wales 2005 to 2019

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Thousands (000s)

Prescriptions	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019
Digoxin and other positive inotropic drugs (2.1)	362	357	337	319	307	296	284	273	260	249	235	224	215	203	203
Diuretics (2.2)	3,083	3,091	3,028	3,000	2,979	2,971	2,960	2,940	2,897	2,866	2,782	2,704	2,618	2,509	2,476
Anti-arrhythmic drugs (2.3)	99	94	87	81	75	68	64	62	61	61	60	59	58	56	57
Beta-adrenoreceptor blocking drugs (2.4)	2,093	2,110	2,071	2,116	2,165	2,237	2,322	2,424	2,505	2,584	2,643	2,691	2,736	2,775	2,871
Antihypertensive and heart failure drugs (2.5)	3,442	3,774	4,124	4,402	4,601	4,781	4,920	5,063	5,173	5,290	5,324	5,360	5,365	5,362	5,489
Nitrates, calcium blockers & other antianginal drugs (2.6)	2,731	2,892	3,032	3,135	3,205	3,263	3,314	3,390	3,438	3,489	3,506	3,538	3,544	3,560	3,668
Anticoagulants and protamine (2.8)	576	612	650	689	723	764	808	874	944	1,030	1,125	1,196	1,241	1,291	1,352
Antiplatelet drugs (2.9)	2,563	2,716	2,846	3,011	3,045	2,933	2,905	2,890	2,860	2,816	2,696	2,587	2,481	2,354	2,312
Anti-fibrinolytic drugs and haemostatics (2.11)	23	24	28	30	30	31	33	34	33	34	34	33	33	33	34
Lipid-lowering drugs (2.12)	3,103	3,626	3,985	4,297	4,562	4,693	4,788	4,956	5,076	5,150	5,129	5,112	5,140	5,159	5,306
All prescriptions for disease of the circulatory system	**18,073**	**19,296**	**20,188**	**21,082**	**21,691**	**22,037**	**22,399**	**22,906**	**23,248**	**23,571**	**23,535**	**23,508**	**23,434**	**23,305**	**23,772**

Notes: British National Formulary (BNF) codes in parentheses.

Source: Health Statistics and Analysis Unit. Prescription cost analysis. Welsh Government: Cardiff and previous editions.
https://gov.wales/prescriptions-wales

Table 3.3 Prescriptions used in the prevention and treatment of heart and circulatory diseases (CVD), Scotland 2001/02 to 2019/20

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Thousands (000s)

Prescriptions	2001/02	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
Digoxin and other positive inotropic drugs (2.1)	358	323	315	305	296	291	283	276	269	260	252	246	241	236	228	228
Diuretics (2.2)	3,469	3,914	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
Anti-arrhythmic drugs (2.3)	102	90	85	81	77	73	70	71	69	68	67	66	66	65	65	66
Beta-adrenoreceptor blocking drugs (2.4)	2,508	3,027	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
Antihypertensive and heart failure drugs (2.5)	2,298	3,777	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
Nitrates, calcium blockers & other antianginal drugs (2.6)	3,278	3,542	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
Anticoagulants and protamine (2.8)	489	612	646	676	707	743	773	819	884	958	1,035	1,108	1,159	1,197	1,231	1,290
Antiplatelet drugs (2.9)	2,461	3,448	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
Anti-fibrinolytic drugs and haemostatics (2.11)	35	36	38	39	41	42	43	44	47	47	47	48	47	47	49	51
Lipid-lowering drugs (2.12)	1,667	3,649	4,081	4,376	4,624	4,826	4,875	4,861	4,907	4,977	5,024	5,002	4,989	5,003	5,009	5,173
All prescriptions for disease of the circulatory system	**16,667**	**22,418**	**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**

Notes: British National Formulary (BNF) codes in parentheses.

Source: 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://beta.isdscotland.org/find-publications-and-data/health-services/pharmacy-and-prescribing/dispenser-payments-and-prescription-cost-analysis/

Table 3.4 Prescriptions used in the prevention and treatment of heart and circulatory diseases (CVD), Northern Ireland 2000 to 2019

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Thousands (000s)

Prescriptions	2000	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019
Digoxin and other positive inotropic drugs (2.1)	132	107	104	101	99	96	95	93	92	90	88	82	80	75	72	70
Diuretics (2.2)	819	1,015	1,009	992	983	983	992	1,002	996	978	961	940	926	908	896	898
Anti-arrhythmic drugs (2.3)	41	38	36	35	34	32	31	32	31	30	29	28	28	27	26	25
Beta-adrenoreceptor blocking drugs (2.4)	641	908	918	915	937	967	1,020	1,059	1,108	1,150	1,190	1,230	1,277	1,312	1,351	1,395
Antihypertensive and heart failure drugs (2.5)	602	1,145	1,247	1,364	1,445	1,517	1,595	1,640	1,689	1,728	1,770	1,799	1,834	1,854	1,898	1,957
Nitrates, calcium blockers & other antianginal drugs (2.6)	928	1,001	1,039	1,080	1,089	1,097	1,124	1,154	1,188	1,218	1,234	1,255	1,286	1,304	1,340	1,387
Anticoagulants and protamine (2.8)	138	183	194	207	220	233	249	274	300	334	366	394	427	454	477	502
Antiplatelet drugs (2.9)	539	957	1,026	1,095	1,151	1,177	1,192	1,223	1,239	1,239	1,229	1,202	1,179	1,153	1,137	1,124
Anti-fibrinolytic drugs and haemostatics (2.11)	0	12	12	13	13	14	14	16	17	16	16	16	16	16	17	18
Lipid-lowering drugs (2.12)	376	1,047	1,227	1,393	1,534	1,652	1,761	1,838	1,901	1,954	1,988	2,035	2,083	2,130	2,180	2,237
All prescriptions for disease of the circulatory system	**4,226**	**6,413**	**6,812**	**7,195**	**7,505**	**7,769**	**8,073**	**8,331**	**8,560**	**8,736**	**8,869**	**8,984**	**9,136**	**9,235**	**9,396**	**9,616**

Notes: British National Formulary (BNF) codes in parentheses.

Source: HSC (2020). Prescription Cost Analysis. Business Services Organisation: Belfast.
www.hscbusiness.hscni.net/services/3177.htm

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

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Prescriptions	England 2019	Wales 2019	Scotland 2019/20	Northern Ireland 2019	UK latest
Digoxin and other positive inotropic drugs (2.1)	2,907	203	228	70	3,407
Diuretics (2.2)	31,573	2,476	2,626	898	37,573
Anti-arrhythmic drugs (2.3)	971	57	66	25	1,120
Beta-adrenoreceptor blocking drugs (2.4)	39,564	2,871	3,414	1,395	47,244
Antihypertensive and heart failure drugs (2.5)	72,986	5,489	5,355	1,957	85,787
Nitrates, calcium blockers & other antianginal drugs (2.6)	51,431	3,668	3,842	1,387	60,328
Anticoagulants and protamine (2.8)	18,871	1,352	1,290	502	22,015
Antiplatelet drugs (2.9)	33,346	2,312	2,847	1,124	39,629
Anti-fibrinolytic drugs and haemostatics (2.11)	438	34	51	18	541
Lipid-lowering drugs (2.12)	76,044	5,306	5,173	2,237	88,760
All prescriptions for disease of the cardiovascular system	**328,247**	**23,772**	**24,896**	**9,616**	**386,531**

Notes: Figures 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.

Source: NHSBSA (2020). Prescription cost analysis 2019.
Health Statistics and Analysis Unit (2020). Prescription cost analysis 2019. Welsh Government: Cardiff and previous editions.
Public Health Scotland (2020). Prescription Cost Analysis 2019/20. NHS National Services: Edinburgh. and previous editions.
HSC (2020). Prescription Cost Analysis 2019. Business Services Organisation: Belfast.

Table 3.6 Number of CABGs and PCIs, United Kingdom 1977 to 2018-19

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	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

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.

Source: Data for 2016, 2017-18 and 2018-19 taken from British Cardiovascular Intervention Society (2020). BCIS Audit returns . Personal communication and published results.
https://www.bcis.org.uk/resources/audit-results/

Data up to 2015 taken from The Society for Cardiothoracic Surgery in Great Britain & Ireland (2017). Accessed in May 2015
https://scts.org/outcomes/cardiac/

Table 3.7 Number and rate of CABGs, Scotland 2008/09 to 2018/19

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Gender	Coronary Artery Bypass Graft (CABG)	2008/09	2009/10	2010/11	2011/12	2012/13	2013/14	2014/15	2015/16	2016/17	2017/18	2018/19(p)
Males	Discharges	1,581	1,494	1,382	1,291	1,187	1,207	1,300	1,009	1,095	1,136	1,152
	Crude rate per 100,000 population	62.9	59.0	54.2	50.2	46.1	46.7	50.1	38.7	41.7	43.0	43.5
	Age standardised discharge rate per 100,000 population	72.2	67.8	62.1	56.5	50.8	51.1	53.8	41.6	44.2	45.1	45.1
Females	Discharges	450	426	365	351	296	331	324	245	275	266	317
	Crude rate per 100,000 population	16.7	15.8	13.4	12.9	10.8	12.1	11.8	8.9	9.9	9.6	11.4
	Age standardised discharge rate per 100,000 population	17.8	16.6	14.1	13.5	11.2	12.3	11.9	8.9	9.8	9.4	11.0
Both Sexes	Discharges	2,031	1,920	1,747	1,642	1,483	1,538	1,624	1,254	1,370	1,402	1,469
	Crude rate per 100,000 population	39.0	36.7	33.2	31.0	27.9	28.9	30.4	23.3	25.3	25.8	27.0
	Age standardised discharge rate per 100,000 population	45.0	42.2	38.1	35.0	31.0	31.7	32.8	25.3	27.0	27.3	28.0

Notes: The European Standard Population (ESP), which was first used in 1976, was revised in 2013. Figures using ESP1976 and ESP2013 are not comparable.
European Age-Sex Standardised Rate (EASR), calculated using ESP2013 and using 5 year age groups 0-4, 5-9 up to an upper age group of 90+.
(p) provisional data

Source: SMR1/01 records, all inpatient and day case discharges.
All records were extracted from the SMR01 linked database as October 2019.
Data for year ending 31st March 2019 are provisional and subject to change in future analyses.
https://beta.isdscotland.org/find-publications-and-data/conditions-and-diseases/heart-disease-and-blood-vessels/heart-disease-statistics/

Table 3.8 Number of valve replacements and repairs, United Kingdom 2003 to 2016

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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

Notes: See previous compendia and Blue Book for alternative series

Source: The Society for Cardiothoracic Surgery in Great Britain & Ireland (2020).
https://scts.org/resources/blue-book/
[accessed March 2021]

Table 3.9 Cardiothoracic transplant list, United Kingdom 2019/20

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Heart transplant list	New registrations in 2019/20[1] Number	%	Total registrations Number	%
Remained active / suspended	148	46	375	58
Transplanted	120	37	173	27
Removed	44	14	75	12
Died	10	3	26	4
TOTAL	**322**		**649**	

Heart/lung transplant list	Number	%	Number	%
Remained active / suspended	2	40	6	27
Transplanted[2]	1	20	7	32
Removed	2	40	7	32
Died	0	0	2	9
TOTAL	**5**		**22**	

Notes:

[1] Includes re-registrations for second or subsequent transplants

[2] Patients may have received heart, lung, or heart-lung

Activities for the year ending 31 March 2020

Source: NHS Blood and Transplant (2020). Organ donation and transplantation. NHS https://www.organdonation.nhs.uk/supporting-my-decision/statistics-about-organ-donation/transplant-activity-report/

Table 3.10 Cardiothoracic transplants and rate per million population, by resident nation, United Kingdom 2010/11 to 2019/20

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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	
Country	*n*	*rate*	*n*	*rate*	*n*	*rate*	*n*	*rate*	*n*	*rate*	*n*	*rate*	*n*	*rate*	*n*	*rate*	*n*	*rate*	*n*	*rate*
England	94	1.8	113	2.2	119	2.2	163	3.0	157	2.9	167	3.1	163	3.0	170	3.1	158	2.8	151	2.7
Wales	6	2.0	8	2.7	5	1.6	4	1.3	7	2.3	11	3.6	12	3.9	3	1.0	7	2.2	13	4.1
Scotland	12	2.3	13	2.5	13	2.5	21	4.0	16	3.0	9	1.7	16	3.0	16	3.0	11	2.0	4	0.7
Northern Ireland	14	7.8	4	2.2	5	2.8	5	2.7	0	0.0	7	3.8	6	3.2	8	4.3	7	3.7	4	2.1
Postcode unknown									1				2		1					
UK	126	2.0	138	2.2	142	2.2	193	3.0	181	2.8	194	3.0	199	3.0	198	3.0	183	2.8	172	2.6

Heart and lung	2010/11		2011/12		2012/13		2013/14		2014/15		2015/16		2016/17		2017/18		2018/19		2019/20	
Country	*n*	*rate*	*n*	*rate*	*n*	*rate*	*n*	*rate*	*n*	*rate*	*n*	*rate*	*n*	*rate*	*n*	*rate*	*n*	*rate*	*n*	*rate*
England									1	0.0	6	0.1	2	0.0	9	0.2	2	0.0	5	0.1
Wales									0	0.0	0	0.0	0	0.0	1	0.3	2	0.6	0	0.0
Scotland									0	0.0	0	0.0	0	0.0	1	0.2	0	0.0	0	0.0
Northern Ireland									0	0.0	0	0.0	0	0.0	1	0.5	0	0.0	0	0.0
UK									1	0.0	6	0.1	2	0.0	12	0.2	4	0.1	5	0.1

ALL HEART/HEART & LUNG TRANSPLANTS																				
UK									182	2.8	200	3.1	201	3.1	210	3.2	187	2.8	177	2.6

Notes: Includes patients whose postcodes were unknown. Excludes lung transplant.

Source: Organ Donation and Transplantation. Quarterly statistics (2020) previous Annual Activity reports. Organ donation and transplantation. NHS Blood and Transplant, NHS.
https://www.organdonation.nhs.uk/supporting-my-decision/statistics-about-organ-donation/

Table 3.11 Pacemaker new implants and rate per million population, by country, United Kingdom 2010/11 to 2018/19

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Country	2010/11		2011/12		2012/13		2013/14		2014/15		2015/16		2016/17		2017/18		2018/19	
	n	*rate*	*n*	*rate*	*n*	*rate*	*n*	*rate*	*n*	*rate*	*n*	*rate*	*n*	*rate*	*n*	*rate*	*n*	*rate*
England	-	528	-	524	-	559	-	594	-	592	-	555	-	555	-	551	-	552
Wales	-	-	-	-	-	565	-	560	-	596	-	523	-	456	-	464	-	500
Scotland	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Northern Ireland	-	-	-	-	-	402	-	413	-	438	-	430	-	372	-	46	-	29

		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, hence somewhat lower) for 2015/16 onwards.
Pacemaker data for Scotland are known to be incomplete and are therefore not shown.

Source: Figures for England, Wales and Northern Ireland taken from public reports for the National Audit of Cardiac Rhythm Management.
https://www.nicor.org.uk/national-cardiac-audit-programme/cardiac-rhythm-management-arrhythmia-audit/
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/Sub-specialty-communities/European-Heart-Rhythm-Association-(EHRA)/Research-and-Publications/The-EHRA-White-Books

Table 3.12 Out-of-hospital cardiac arrest survival rates, by Ambulance Service, England 2011-12 to 2019-20; April 2011 to Dec 2019

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data viz

	Number of resuscitation attempts by Financial Year									Number of resuscitation attempts by Calendar Year								
Ambulance Service	2011-12	2012-13	2013-14	2014-15	2015-16	2016-17	2017-18	2018-19	2019-20	*2011 (Apr to Dec)*	2012	2013	2014	2015	2016	2017	2018	2019
East Midlands Ambulance Service NHS Trust	1,487	2,935	2,595	2,608	2,338	2,459	2,227	2,484	2,800	*689*	2,989	2,674	2,515	2,397	2,466	2,307	2,324	2,864
East of England Ambulance Service NHS Trust	3,161	3,059	3,073	3,346	3,127	3,468	3,587	3,389	3,594	*2,324*	3,132	2,970	3,234	3,274	3,280	3,579	3,487	3,569
Isle of Wight NHS Trust	115	100	132	127	139	111	127	124	123	*77*	110	121	126	142	110	133	126	124
London Ambulance Service NHS Trust	4,119	4,408	4,239	4,597	4,317	4,357	4,294	3,806	4,231	*3,053*	4,268	4,341	4,429	4,373	4,348	4,312	3,992	4,070
North East Ambulance Service NHS Foundation Trust	1,340	1,645	1,611	1,550	1,720	1,882	2,071	1,833	1,911	*974*	1,603	1,625	1,488	1,717	1,794	2,007	1,904	1,951
North West Ambulance Service NHS Trust	2,137	3,414	3,502	3,453	3,371	3,734	3,924	3,481	2,950	*1,556*	3,024	3,660	3,523	3,151	3,612	3,921	3,652	3,153
South Central Ambulance Service NHS Foundation Trust	1,353	1,031	1,236	1,433	1,392	1,244	1,436	1,962	2,155	*1,044*	1,103	1,065	1,471	1,450	1,224	1,354	1,816	2,124
South East Coast Ambulance Service NHS Foundation Trust	2,270	2,551	2,691	2,728	2,802	3,021	3,023	2,663	2,588	*1,513*	2,566	2,721	2,690	2,752	2,995	2,980	2,870	2,550
South Western Ambulance Service NHS Foundation Trust	3,142	3,715	3,750	3,722	3,444	3,680	3,910	3,633	3,590	*2,242*	3,572	3,821	3,660	3,474	3,757	3,750	3,717	3,636
West Midlands Ambulance Service NHS Foundation Trust	2,282	2,909	3,861	4,100	4,046	3,794	3,777	3,401	3,579	*1,680*	2,862	3,470	4,064	4,047	3,850	3,663	3,661	3,485
Yorkshire Ambulance Service NHS Trust	2,730	3,017	2,838	2,742	2,676	3,079	2,940	3,210	2,452	*1,970*	2,973	2,908	2,719	2,685	2,965	2,968	3,201	2,643
England	**24,136**	**28,784**	**29,528**	**30,406**	**29,372**	**30,829**	**31,316**	**29,986**	**29,973**	***17,122***	**28,202**	**29,376**	**29,919**	**29,462**	**30,401**	**30,974**	**30,750**	**30,169**

	Number discharged from hospital alive by Financial Year									Number discharged from hospital alive by Calendar Year								
Ambulance Service	2011-12	2012-13	2013-14	2014-15	2015-16	2016-17	2017-18	2018-19	2019-20	*2011 (Apr to Dec)*	2012	2013	2014	2015	2016	2017	2018	2019
East Midlands Ambulance Service NHS Trust	95	203	128	129	130	149	156	196	218	*35*	212	148	128	138	127	170	181	208
East of England Ambulance Service NHS Trust	155	192	200	218	196	293	311	370	302	*116*	176	196	226	203	248	316	356	332
Isle of Wight NHS Trust	5	8	9	7	15	12	14	13	13	*4*	4	12	9	10	13	13	14	13
London Ambulance Service NHS Trust	381	390	436	416	388	415	402	358	388	*294*	369	420	426	413	400	401	377	410
North East Ambulance Service NHS Foundation Trust	108	101	110	74	102	134	182	189	127	*80*	113	106	64	112	119	166	194	151
North West Ambulance Service NHS Trust	174	256	309	321	311	349	382	296	249	*138*	220	310	324	302	337	388	320	276
South Central Ambulance Service NHS Foundation Trust	76	162	240	240	189	148	212	262	223	*41*	154	220	242	211	152	191	263	230
South East Coast Ambulance Service NHS Foundation Trust	129	153	198	233	213	248	209	223	229	*86*	153	198	220	230	237	210	214	223
South Western Ambulance Service NHS Foundation Trust	216	334	386	360	307	305	340	370	389	*150*	321	354	384	310	317	332	357	381
West Midlands Ambulance Service NHS Foundation Trust	195	217	253	340	348	339	343	406	399	*152*	209	243	316	370	316	343	397	402
Yorkshire Ambulance Service NHS Trust	167	238	291	292	248	310	301	328	234	*134*	221	270	286	259	290	313	327	249
England	**1,701**	**2,254**	**2,560**	**2,630**	**2,447**	**2,702**	**2,852**	**3,011**	**2,771**	***1,230***	**2,152**	**2,477**	**2,625**	**2,558**	**2,556**	**2,843**	**3,000**	**2,875**

	Proportion discharged from hospital alive % by Financial Year									Proportion discharged from hospital alive % by Calendar Year								
Ambulance Service	2011-12	2012-13	2013-14	2014-15	2015-16	2016-17	2017-18	2018-19	2019-20	*2011 (Apr to Dec)*	2012	2013	2014	2015	2016	2017	2018	2019
East Midlands Ambulance Service NHS Trust	6.4	6.9	4.9	4.9	5.6	6.1	7.0	7.9	7.8	*5.1*	7.1	5.5	5.1	5.8	5.2	7.4	7.8	7.3
East of England Ambulance Service NHS Trust	4.9	6.3	6.5	6.5	6.3	8.4	8.7	10.9	8.4	*5.0*	5.6	6.6	7.0	6.2	7.6	8.8	10.2	9.3
Isle of Wight NHS Trust	4.3	8.0	6.8	5.5	10.8	10.8	11.0	10.5	10.6	*5.2*	3.6	9.9	7.1	7.0	11.8	9.8	11.1	10.5
London Ambulance Service NHS Trust	9.2	8.8	10.3	9.0	9.0	9.5	9.4	9.4	9.2	*9.6*	8.6	9.7	9.6	9.4	9.2	9.3	9.4	10.1
North East Ambulance Service NHS Foundation Trust	8.1	6.1	6.8	4.8	5.9	7.1	8.8	10.3	6.6	*8.2*	7.0	6.5	4.3	6.5	6.6	8.3	10.2	7.7
North West Ambulance Service NHS Trust	8.1	7.5	8.8	9.3	9.2	9.3	9.7	8.5	8.4	*8.9*	7.3	8.5	9.2	9.6	9.3	9.9	8.8	8.8
South Central Ambulance Service NHS Foundation Trust	5.6	15.7	19.4	16.7	13.6	11.9	14.8	13.4	10.3	*3.9*	14.0	20.7	16.5	14.6	12.4	14.1	14.5	10.8
South East Coast Ambulance Service NHS Foundation Trust	5.7	6.0	7.4	8.5	7.6	8.2	6.9	8.4	8.8	*5.7*	6.0	7.3	8.2	8.4	7.9	7.0	7.5	8.7
South Western Ambulance Service NHS Foundation Trust	6.9	9.0	10.3	9.7	8.9	8.3	8.7	10.2	10.8	*6.7*	9.0	9.3	10.5	8.9	8.4	8.9	9.6	10.5
West Midlands Ambulance Service NHS Foundation Trust	8.5	7.5	6.6	8.3	8.6	8.9	9.1	11.9	11.1	*9.0*	7.3	7.0	7.8	9.1	8.2	9.4	10.8	11.5
Yorkshire Ambulance Service NHS Trust	6.1	7.9	10.3	10.6	9.3	10.1	10.2	10.2	9.5	*6.8*	7.4	9.3	10.5	9.6	9.8	10.5	10.2	9.4
England	**7.7**	**7.8**	**8.7**	**8.6**	**8.3**	**8.8**	**9.1**	**10.0**	**9.2**	***7.2***	**7.6**	**8.4**	**8.8**	**8.7**	**8.4**	**9.2**	**9.8**	**9.5**

Notes: Data for South Western Ambulance Service includes that for the Great Western Ambulance Service up to January 2013. From February 2013 the Great Western Ambulance Service became part of the South Western Ambulance Service.
Data not directly comparable with Scotland (their survival rate is 30-day, not to discharge)

Source: NHS England, Ambulance Quality Indicators https://www.england.nhs.uk/statistics/statistical-work-areas/ambulance-quality-indicators/

Table 3.13 Out-of-hospital cardiac arrest survival rates, Scotland 2011-12 to 2018-19

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	Number of resuscitation attempts by Financial Year							
Ambulance Service	**2011-12**	**2012-13**	**2013-14**	**2014-15**	**2015-16**	**2016-17**	**2017-18**	**2018-19**
Scottish Ambulance Service	**2,692**	**3,047**	*	**3,277**	**3,142**	**3,455**	**3,484**	**3,115**

	Number 30-day survivors per million of the population by Financial Year							
Ambulance Service	**2011-12**	**2012-13**	**2013-14**	**2014-15**	**2015-16**	**2016-17**	**2017-18**	**2018-19**
Scottish Ambulance Service	**30.2**	**37.3**	*	**44.5**	**41.7**	**52.9**	**53.3**	**58.5**

	Proportion alive at 30 days % by Financial Year							
Ambulance Service	**2011-12**	**2012-13**	**2013-14**	**2014-15**	**2015-16**	**2016-17**	**2017-18**	**2018-19**
Scottish Ambulance Service	**5.9**	**6.5**	*	**7.3**	**7.1**	**8.3**	**8.3**	**10.2**

Notes: * Data for 2013/14 incomplete and therefore omitted.
Data not directly comparable with England

Source: Out-of-Hospital Cardiac Arrest data linkage project: 2018-2019 results.
https://www.gov.scot/publications/scottish-out-hospital-cardiac-arrest-data-linkage-project-2018-19-results/

bhf.org.uk/statistics

Heart and Circulatory Disease Statistics 2021 - 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 and internationally.

ECONOMIC & HEALTHCARE COSTS, UK	
T4.1	Economic and healthcare costs of heart and circulatory disease (CVD), coronary heart disease (CHD) and stroke, UK - 2015
ENGLAND	
T4.2	NHS expenditure in £ millions on cardiovascular disease by care setting and condition, England - 2013/14
WALES	
T4.3	NHS expenditure on CVD by Health Board, Wales - 2018/19
T4.4	Financial Impact of Stroke Admissions by Health Board, Wales - 2016/17
T4.5	Financial Impact of Heart Failure Admissions for patients with an Emergency Readmission within 30 days by Health Board, Wales - 2016/17
T4.6	Financial Impact of non-ST elevation acute coronary syndrome (NSTEAC) Admissions by Health Board, Wales - 2016/17
NORTHERN IRELAND	
T4.7	NHS expenditure on CVD by Health and Social Care Trust, Northern Ireland - 2014/15
SCOTLAND	
T4.8	NHS expenditure on CVD by care setting and condition, Scotland - 2011/12
EUROPE	
T4.9	Healthcare costs of heart and circulatory diseases (CVD), coronary heart disease and stroke by EU countries - 2015

4.1 Economic and healthcare costs of heart and circulatory disease (CVD), coronary heart disease (CHD) and stroke, UK 2015

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As well as human costs, cardiovascular disease (CVD), coronary heart disease (CHD) from non-health care related costs, such as productivity losses from death and illness in those of working age and from the informal care of people with the disease and stroke have major economic consequences for the United Kingdom. These economic consequences come not just through the costs to treating those suffering from CVD, but also from non-health care related costs, such as productivity losses from death and illness in those of working age and from the informal care of people with the disease.

According to cost estimates by members of the Health Economics Research Centre from the Nuffield Department of Population Health, University of Oxford and included in the European Cardiovascular Disease Statistics 2017 report published by the European Heart Network, Brussels, overall CVD was estimated to cost the UK economy €26 billion in 2015. Of the total cost of CVD in the UK, €12 billion (46%) came from direct health care costs.

Productivity losses due to mortality accounted for 23% of the total cost of CVD with productivity loss due to morbidity making up 10%. The informal care costs contributed around €5.5 billion, slightly less than mortality costs. Of these €26 billion of CVD cots, €9 billion were due to CHD and €5.9 to stroke. Despite these higher total costs from CHD, health care costs were greater for stroke (€2.65 billion) than for CHD (€2.17 billion) whilst productivity losses due to mortality and morbidity were much higher for CHD.

Costs of cardiovascular disease, coronary heart disease and stroke, UK, 2015 (€ thousands)

	Primary care	Outpatient care	A&E	Inpatient care	Medications	**Total health care**	per capita
CVD	1,638,492	1,073,695	398,661	6,505,414	2,732,144	**12,348,406**	190
CHD	149,694	299,002	102,413	1,236,089	379,036	**2,166,234**	33
Stroke	51,448	299,002	68,554	2,091,942	141,429	**2,652,375**	41

Non-health care costs - CVD, CHD and Stroke, UK, 2015 (€ thousands)

	Production losses due to mortality €	Production losses due to morbidity €	Informal care €
CVD	6,203,014	2,548,365	5,566,934
CHD	3,364,345	958,817	2,566,012
Stroke	1,040,896	331,719	1,945,108

Source:

European Cardiovascular Disease Statistics 2017; European Heart Network (EHN)

www.ehnheart.org/cvd-statistics/cvd-statistics-2017.html

Table 4.2 NHS expenditure on cardiovascular disease by care setting and condition, England 2013/14

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Expenditure (£ million)

	Primary Prescribing	Unscheduled care	Scheduled care	Unbundled care	*Total secondary care*	Community & end of life care	Running costs	Total costs
Coronary heart disease	346.1	314.9	186.5	32.4	*218.8*	51.8	22.2	953.7
Stroke	21.0	399.5	47.8	40.6	*88.4*	165.8	15.1	689.9
Rhythm	11.3	176.1	118.8	12.0	*130.8*	14.2	7.8	340.2
Other CVD	588.6	841.5	583.7	110.8	*694.5*	132.0	51.1	2,307.7
Total CVD	**967.0**	**1,732.0**	**936.8**	**195.7**	*1,132.5*	**363.8**	**96.3**	**4,291.5**

Notes:

Expenditure data included within this workbook are taken from the 2013-14 CCG programme budgeting returns. Programme budgeting returns represent a subset of overall NHS expenditure data.
Calculating programme budgeting data is complex and not all healthcare activity or services can be classified directly to a programme budgeting category or care setting.
When it is not possible to reasonably estimate a programme budgeting category, expenditure is classified as 'Other'.

The allocation of expenditure to programme budgeting subcategories is not always straightforward, and subcategory level data should therefore be used with caution.

Estimates of expenditure are calculated using price paid for specific activities and services purchased from healthcare providers.
CCGs follow standard guidance, procedures and mappings when calculating programme budgeting data.

Unscheduled Care: Non-elective admissions (PBR), Unscheduled Care: A&E, Unscheduled Care: Emergency Transport and Unscheduled Care: Other Urgent Care
Scheduled Care: Daycase and elective (PBR) and Scheduled Care Outpatient - (PBR & Non-PBR)
Unbundled care includes, Unbundled Diagnostic Imaging, Unbundled/high cost: Critical Care, Unbundled/high cost: Drugs & devices, Unbundled/high cost: Other and Direct Access Diagnostic Imaging
Total secondary care includes all Scheduled and Unbundled care.
Community and end of life care includes, Community and integrated care and End of Life Care

Source:

NHS England - Analytical services - Programme Budgeting Team (2015) 2013/14 Programme Budgeting Benchmarking Tool. https://www.england.nhs.uk/resources/resources-for-ccgs/prog-budgeting/ (accessed May 2015).

Table 4.3 NHS expenditure on CVD by Health Board, Wales 2018/19

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	Expenditure per head / £				Expenditure (£ millions)				Percentage of Total expenditure (%)			
HSC Trust Name	**CHD**	**Stroke**	**Other CVD**	**Total CVD**	**CHD**	**Stroke**	**Other CVD**	**Total CVD**	**CHD**	**Stroke**	**Other CVD**	**Total CVD**
Abertawe Bro Morgannwg UHB	34.0	28.7	102.2	**164.9**	18.2	15.3	54.6	**88.1**	1.6	1.3	4.7	**7.6**
Aneurin Bevan LHB	29.1	22.9	94.3	**146.2**	17.2	13.5	55.7	**86.4**	1.4	1.1	4.4	**6.9**
Betsi Cadwaladr UHB	29.9	31.8	104.9	**166.6**	20.8	22.2	73.3	**116.3**	1.3	1.4	4.7	**7.5**
Cardiff & Vale UHB	26.3	19.7	71.2	**117.2**	13.1	9.8	35.3	**58.2**	1.3	1.2	3.5	**6.0**
Cwm Taf LHB	39.9	28.7	101.2	**169.8**	12.0	8.6	30.4	**51.0**	1.0	1.2	4.4	**6.6**
Hywel Dda LHB	39.1	33.1	119.9	**192.1**	15.1	12.7	46.2	**74.1**	3.6	1.5	5.3	**10.3**
Powys Teaching LHB	36.0	61.2	129.6	**226.7**	4.8	8.1	17.2	**30.0**	1.6	2.7	5.7	**9.9**
Wales	**32.2**	**28.8**	**99.6**	**160.6**	**101.1**	**90.3**	**312.7**	**504.1**	**1.5**	**1.3**	**4.6**	**7.4**

Notes:

The 'Other CVD' programme may include costs which actually relate to CHD, Stroke, and Rhythm where information available identifies spend as related to CVD generally but is not sufficiently detailed to allocate to sub-programme.

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.

Source:

Financial Information Strategy Programme, Public Health Wales NHS Trust (accessed 2020)

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

Table 4.4 Financial Impact of Stroke Admissions by Health Board, Wales 2016/17

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Resident Local Health Board	Hospital Spells	Provider Spells	Total Bed days	Total Costs (£000)	Hosp. LoS	Prov. LoS	Hosp. Cost (£)	Prov. Cost (£)
Abertawe Bro Morgannwg UHB	1,013	1,010	11,894	**£5,470**	11.7	11.8	£5,400	£5,416
Aneurin Bevan LHB	950	623	8,069	**£3,844**	8.5	13.0	£4,046	£6,170
Betsi Cadwaladr UHB	1,395	1,245	22,632	**£9,046**	16.2	18.2	£6,484	£7,266
Cardiff & Vale UHB	855	665	18,542	**£6,452**	21.7	27.9	£7,546	£9,702
Cwm Taf LHB	573	563	5,686	**£2,945**	9.9	10.1	£5,140	£5,231
Hywel Dda LHB	786	742	15,650	**£7,229**	19.9	21.1	£9,198	£9,743
Powys Teaching LHB	295	292	3,222	**£1,704**	10.9	11.0	£5,777	£5,836
Wales Total	**5,867**	**5,140**	**85,695**	**£36,690**	**-**	**-**	**£43,591**	**£49,364**
Total Average	**838**	**734**	**12,242**	**£5,241**	**14.1**	**16.2**	**£6,227**	**£7,052**

Notes:

The above table shows the number of 'Hospital Spells' (Hosp) and 'Provider Spells' (Prov) and a comparison between average length of stay (LoS) and cost per spell.

The difference between the two calculations will have a greater impact for LHBs that transfer patients more between sites (perhaps where acute and rehab services aren't co-located).

The data includes spells for Welsh residents treated in England according to the information that has been received from NHS digital. English residents treated in Wales are not included here.

Source:

Cardiovascular Atlas of Variation, Public Health Wales NHS, 2019

http://www.wcn.wales.nhs.uk/caov

Table 4.5 Financial Impact of Heart Failure Admissions for patients with an Emergency Readmission within 30 days by Health Board, Wales 2016/17

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Heart Failure Spells within 16/17				Hospital Spells with Readmission	Hospital Spells without Readmission	Hospital Spells with Readmission	Hospital Spells without Readmission	Hospital Spells with Readmission	Hospital Spells without Readmission
Resident LHB	**Hospital Spells with Readmission**	**Hospital Spells**	**Readmission Rate**	**Average LoS**		**Average Spell Cost (£)**		**Total Cost per LHB (£000)**	
Aneurin Bevan	105	948	11.1	6.4	10.3	£2,453	£4,061	**£258**	**£3,850**
Abertawe Bro Morgannwg	73	733	10.0	13.6	14.5	£4,989	£5,754	**£364**	**£4,218**
Betsi Cadwaladr	96	956	10.0	10.6	11.7	£4,539	£4,951	**£436**	**£4,733**
Cwm Taf	67	453	14.8	8.8	10.8	£3,980	£4,680	**£267**	**£2,120**
Cardiff and Vale	74	556	13.3	8.3	13.6	£2,927	£4,567	**£217**	**£2,539**
Hywel Dda	59	634	9.3	10.1	12.3	£4,323	£5,882	**£255**	**£3,729**
Powys	16	208	7.7	7.8	12.0	£3,812	£5,905	**£61**	**£1,228**
Grand Total	490	**4,488**	**-**	**-**	-	**£27,023**	**£35,800**	**£1,857**	**£22,417**
Total Average	70	**641**	**10.9**	**9.4**	12.1	**£3,860**	**£5,114**	**£265**	**£3,202**

Notes:

The above table compares the number of ‘Hospital Spells' where patients were admitted for heart failure and had an emergency readmission for any heart condition within 30 days of the discharge date.
This was against those that were admitted for heart failure and did not require a readmission. It also shows the total number of spells and the calculated readmission rate per resident cohort.
"Costs per spell' are "fully absorbed" and as they include an element of fixed costs (e.g. estates, rates), semi fixed costs (most staff costs), and variable costs (e.g. drugs, prosthetics).
The data includes spells for Welsh residents treated in England according to the information that has been received from NHS digital. English residents treated in Wales are not included here.

Source:

Cardiovascular Atlas of Variation, Public Health Wales NHS, 2019
http://www.wcn.wales.nhs.uk/caov

Table 4.6 Financial Impact of non-ST elevation acute coronary syndrome (NSTEAC) Admissions by Health Board, Wales 2016/17

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Resident Local Health Board	Number of 'Person' Spells (Inc. Cross-Provider)	Average Length of Stay	Average Cost per Patient Spell (£)	Total Cost per LHB (£000)
Abertawe Bro Morgannwg UHB	995	6.6	£3,576	**£3,558**
Aneurin Bevan LHB	781	7.7	£4,523	**£3,532**
Betsi Cadwaladr UHB	1,349	4.3	£2,800	**£3,777**
Cardiff & Vale UHB	542	7.2	£3,716	**£2,014**
Cwm Taf LHB	514	7.4	£4,381	**£2,252**
Hywel Dda LHB	843	7.7	£4,507	**£3,799**
Powys Teaching LHB	326	6.5	£4,306	**£1,404**
Wales Total	**5,350**	**-**	**£27,809**	**£20,337**
Total Average	**764**	**6.8**	**£3,973**	**£2,905**

Notes:

The above table shows table shows the number of non-ST elevation acute coronary syndrome (NSTEAC) 'Person Spells' for Welsh Resident Patients.

Spells in this table relate to 'Person Spells' which are continuous periods of inpatient care for a single patient which could take place under any number of different providers.

The average costs and length of stay therefore reflect the totals across all providers for the ‘Person Spell'.

The data includes spells for Welsh residents treated in England according to the information that has been received from NHS digital. English residents treated in Wales are not included here.

Source:

Cardiovascular Atlas of Variation, Public Health Wales NHS, 2019

http://www.wcn.wales.nhs.uk/caov

Table 4.7 NHS expenditure on CVD by Health and Social Care Trust, Northern Ireland 2014/15

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	Expenditure per head of population /£				CVD expenditure (£ million)			
HSCT Name	**CHD**	**Stroke**	**Other CVD**	**Total CVD**	**CHD**	**Stroke**	**Other CVD**	**Total CVD**
Belfast	35.3	4.5	50.9	90.7	65.0	8.3	93.7	167.0
Northern	12.4	2.1	19.5	34.1	22.9	3.9	35.9	62.7
Southern	11.7	2.0	17.4	31.1	21.5	3.8	32.0	57.2
South Eastern	13.4	1.7	20.6	35.7	24.7	3.1	37.9	65.7
Western	11.9	1.9	18.2	32.0	21.9	3.5	33.5	58.9
Northern Ireland	**84.8**	**12.3**	**126.6**	**223.6**	**156.0**	**22.6**	**233.0**	**411.5**

Notes:

A consultant episode refers to a complete period of care under one consultant. It may be finished through death, discharge or transfer to another hospital or consultant.

Cardiovascular Disease has been defined using any International Classification of Disease (ICD-10) code beginning with the letter 'I'. Codes were searched for in any of 16 diagnosis fields.

Coronary Heart Disease has been defined using ICD-10 codes I20 - I25, searched for in any of 16 diagnosis fields.

Stroke has been defined using ICD-10 codes I60 - I64, searched for in any of 16 diagnosis fields.

To calculate expenditure per head of population, the ONS revised mid-year population 2014 estimates were used.

Source:

Hospital Inpatient System, Northern Ireland Reference Costs 2014/15.

Table 4.8 NHS expenditure on CVD by care setting and condition, Scotland 2011/12

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	Expenditure per head of population / £								Gross Expenditure (£ million)							
	Hospital Sector				Family Health Services				Hospital Sector				Family Health Services			
	Acute Services	Geriatric Long Stay	A&E and outpatient services	**Total Hospital Sector**	Pharmaceutical Services	General Medical Services	**Total Family Health Services**	**Total costs**	Acute Services	Geriatric Long Stay	A&E and outpatient services	**Total Hospital Sector**	Pharmaceutical Services	General Medical Services	**Total Family Health Services**	**Total costs**
Coronary heart disease	22.82	0.55	1.62	**25.00**	18.41	1.64	**20.05**	**45.05**	120.9	2.9	8.6	**132.5**	97.6	8.7	**106.3**	**238.8**
Stroke	17.63	3.43	0.89	**21.95**	0.65	1.27	**1.91**	**23.87**	93.5	18.2	4.7	**116.3**	3.4	6.7	**10.1**	**126.5**
Rhythm	7.71	0.12	0.71	**8.55**	0.29	1.30	**1.59**	**10.14**	40.9	0.6	3.8	**45.3**	1.5	6.9	**8.4**	**53.7**
Other CVD	33.02	1.36	6.25	**40.63**	15.46	15.16	**30.62**	**71.25**	175.0	7.2	33.1	**215.3**	81.9	80.4	**162.3**	**377.6**
Total CVD	**81.19**	**5.46**	**9.47**	**96.12**	**34.80**	**19.38**	**54.18**	**150.30**	**430.3**	**28.9**	**50.2**	**509.4**	**184.5**	**102.7**	**287.2**	**796.6**

Notes:

Expenditure data included within this workbook are taken from the 2011/12 programme budgeting returns. Programme budgeting returns represent a subset of overall NHS expenditure.
Programme budgeting in Scotland involves collating and presenting NHS expenditure on the basis of programmes of care rather than on the basis of inputs or accounting conventions.

The 2011/12 Scottish Health Service Costs Book was used as the primary data source, with much of the programme budgeting category distribution based on analysis conducted using nationally available datasets.

Scotland does not currently collect programme level cost information from NHS Boards. The principal cost data collection is the Scottish Health Service Costs Book which reports expenditure on the basis of specialty or service (e.g. Family Health Services (FHS)).
To calculate expenditure per head of population, the ONS revised mid-year population 2011 estimates were used.

Source:

Population Health, Analytical Services, Health Finance, eHealth and Analytics; Scottish Government

Table 4.9 Healthcare costs of heart and circulatory diseases (CVD), coronary heart disease and stroke by EU countries, 2015

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data viz

original order		*Healthcare cost by country (£k)*																*CVD/ Total*	*cost per person/capita (£)*		
		Coronary Heart Disease						**Stroke**						**Heart & Circulatory Diseases (CVD)**							
		Primary Care £k	A&E £k	Inpatient Care £k	Outpatient Care £k	Medications £k	**ALL £k**	Primary Care £k	A&E £k	Inpatient Care £k	Outpatient Care £k	Medications £k	**ALL £k**	Primary Care £k	A&E £k	Inpatient Care £k	Outpatient Care £k	Medications £k	**ALL £k**	%	Coronary Heart Disease £	Stroke £	Heart & Circulatory Diseases (CVD) £
	Austria	9,797	18,456	267,863	9,822	64,123	370,061	6,116	11,522	320,862	6,132	23,926	368,558	40,247	75,822	1,212,797	40,351	462,209	1,831,427	*7%*	43	43	213
	Belgium	17,748	3,127	186,508	11,963	70,675	290,024	7,461	1,315	245,695	5,029	26,371	285,871	70,454	12,415	1,118,295	47,491	509,440	1,758,096	*6%*	26	25	157
	Bulgaria	4,691	1,323	14,315	5,566	15,598	41,493	3,696	1,042	19,614	4,385	5,821	34,557	20,381	5,748	86,721	24,184	112,434	249,467	*9%*	6	5	35
	Croatia	4,367	4,099	12,332	2,338	10,344	33,480	3,078	4,099	14,105	1,648	3,860	26,790	16,456	21,911	53,901	8,811	74,564	175,642	*8%*	8	7	41
	Cyprus	2,420	1,605	1,608	7,323	2,555	15,512	919	609	860	2,780	953	6,122	7,456	4,947	4,949	22,561	18,417	58,330	*7%*	18	7	69
	Czechia	9,484	4,851	77,104	23,093	39,268	153,801	8,928	4,567	215,692	21,738	14,652	265,577	49,723	25,433	595,911	121,065	283,050	1,075,182	*12%*	15	25	102
	Denmark	7,445	3,050	96,619	7,714	15,577	130,406	3,872	2,273	82,591	4,012	5,813	98,560	31,395	13,989	508,027	32,531	112,285	698,226	*3%*	23	17	123
	Estonia	2,316	953	11,276	4,651	3,173	22,369	2,361	971	21,624	4,741	1,184	30,881	12,017	4,943	65,145	24,132	22,873	129,109	*14%*	17	23	98
	Finland	9,739	7,692	156,065	27,616	19,220	220,332	7,862	6,210	480,078	22,293	7,172	523,615	45,680	36,085	1,101,878	129,540	138,542	1,451,724	*10%*	40	96	265
	France	42,104	21,508	1,045,895	66,401	310,831	1,486,739	34,264	10,504	1,220,038	54,037	113,947	1,432,790	469,823	98,196	6,948,677	740,938	2,775,842	11,033,475	*6%*	23	22	166
	Germany	297,386	20,084	2,207,028	437,475	506,025	3,467,999	468,489	12,194	2,728,597	689,178	204,845	4,103,304	2,334,836	83,665	10,866,360	3,434,696	3,833,807	20,553,363	*8%*	43	51	253
	Greece	4,710	11,153	152,959	9,729	89,241	267,793	2,596	6,147	211,216	5,362	33,299	258,619	15,658	37,077	685,984	32,342	643,263	1,414,324	*13%*	25	24	130
	Hungary	12,382	2,365	86,394	18,254	60,053	179,447	14,616	2,791	139,401	21,547	22,408	200,764	58,883	11,246	507,930	86,807	432,871	1,097,736	*19%*	18	20	111
	Ireland	5,909	5,888	62,763	6,316	33,726	114,602	2,025	2,018	85,652	2,165	12,584	104,444	21,526	21,449	313,100	23,008	243,104	622,188	*3%*	25	23	134
	Italy	129,457	114,469	869,470	423,654	442,579	1,979,630	113,250	100,140	1,571,427	370,618	165,140	2,320,574	597,977	528,748	5,132,049	1,956,913	3,190,173	11,405,862	*11%*	33	38	187
	Latvia	4,386	458	7,846	1,531	6,209	20,431	2,699	458	8,879	942	2,317	15,296	13,373	2,271	29,612	4,670	44,756	94,682	*10%*	10	8	48
	Lithuania	6,059	480	18,930	7,151	6,303	38,924	4,063	322	18,656	4,795	2,352	30,187	22,050	1,745	69,173	26,025	45,436	164,428	*10%*	13	10	57
	Luxembourg	959	153	11,169	3,252	4,121	19,655	353	56	14,317	1,195	1,538	17,459	3,848	614	70,313	13,050	29,706	117,531	*5%*	35	31	209
	Malta	320	163	4,492	351	1,351	6,677	139	70	5,492	152	504	6,358	1,316	669	21,420	1,442	9,738	34,586	*6%*	15	15	81
	Netherlands	95,180	4,262	582,475	184,059	106,073	972,048	58,907	2,637	399,699	113,915	37,490	612,648	382,854	17,141	2,257,048	740,362	615,962	4,013,367	*7%*	57	36	237
	Poland	63,051	7,253	198,489	192,540	145,656	606,988	29,435	3,386	230,533	89,888	54,349	407,591	249,412	28,691	1,070,773	761,636	1,049,906	3,160,418	*16%*	16	11	84
	Portugal	21,341	10,648	26,866	32,022	55,817	146,695	15,830	7,899	47,642	23,753	20,827	115,951	92,676	46,242	172,433	139,061	402,339	852,751	*7%*	14	11	82
	Romania	4,212	820	40,710	14,222	59,249	119,214	4,930	959	73,798	16,647	22,107	118,442	30,208	5,879	359,739	101,996	427,075	924,897	*15%*	6	6	46
	Slovakia	14,435	1,842	33,854	35,086	15,594	100,810	9,722	1,241	39,352	23,631	5,818	79,765	58,092	7,414	158,019	141,199	112,402	477,127	*12%*	19	15	88
	Slovenia	5,072	1,089	13,117	1,815	8,180	29,273	2,758	593	18,477	988	3,052	25,867	24,293	5,218	82,306	8,697	58,960	179,473	*8%*	15	12	87
	Spain	184,045	60,212	361,334	144,250	351,562	1,101,404	137,929	45,125	481,536	108,105	131,179	903,873	957,262	313,179	2,156,955	750,279	2,534,112	6,711,788	*9%*	24	20	144
	Sweden	8,153	21,235	123,847	18,058	25,897	197,190	4,028	14,971	206,621	8,920	9,663	244,203	64,454	89,384	725,295	142,757	186,669	1,208,558	*3%*	20	25	124
	United Kingdom	108,695	74,363	897,539	217,109	275,223	1,572,929	37,357	49,778	1,518,984	217,109	102,693	1,925,921	1,189,729	289,473	4,723,659	779,623	1,983,843	8,966,326	*5%*	24	30	138
	Total EU28 (2015)	511,523	182,521	2,312,822	1,913,364	2,744,226	13,705,925	987,680	293,896	10,421,440	1,825,706	1,035,863	14,564,586	6,882,077	1,789,592	41,098,470	10,336,166	20,353,777	80,460,083	***8%***	27	28	159

Notes:

Published euro values converted at average exchange rate in 2015 (GBP = 1.37 euros)

European Union member states in 2015

Source:

European Heart Network (EHN) (2017) European Cardiovascular Disease Statistics 2017 https://ehnheart.org/cvd-statistics/cvd-statistics-2017.html

BHF Heart Statistics

Heart and Circulatory Disease Statistics 2021 - Chapter 5 - Risk Factors

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Table 5.1 Percentage of heart and circulatory diseases (CVD), coronary heart disease (CHD), and stroke (CBVD) attributable to modifiable risk factors, UK, 2009, 2014, and 2019

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Reset to Published Order	RISK FACTOR (% attributable)	estimated burden - UK DEATHS									estimated burden - UK DALYs								
		Heart and circulatory diseases (CVD)			Coronary heart disease (CHD)			Stroke (CBVD)			Heart and circulatory diseases (CVD)			Coronary heart disease (CHD)			Stroke (CBVD)		
		2009	2014	2019	2009	2014	2019	2009	2014	2019	2009	2014	2019	2009	2014	2019	2009	2014	2019
	All modifiable risk factors	**81.0%**	**78.9%**	**79.2%**	**94.0%**	**93.5%**	**93.6%**	**80.9%**	**79.3%**	**79.8%**	**82.2%**	**80.4%**	**80.5%**	**95.2%**	**94.8%**	**94.8%**	**83.9%**	**82.7%**	**82.9%**
	High systolic blood pressure (hypertension)	45.4%	43.6%	44.0%	49.7%	47.8%	48.2%	44.3%	42.6%	43.0%	47.7%	46.0%	46.2%	52.1%	50.4%	50.6%	48.1%	46.4%	46.7%
	Dietary risks (lack of wholegrains, nuts, seeds, fruit, veg, etc; excess salt, sugar)	34.8%	33.8%	33.9%	56.4%	56.5%	56.6%	19.3%	19.4%	19.4%	36.1%	35.0%	35.0%	58.9%	59.1%	59.0%	22.1%	22.4%	22.3%
	High fasting plasma glucose (diabetes)	23.7%	25.2%	26.2%	31.9%	35.0%	36.2%	25.6%	27.8%	29.0%	22.1%	23.8%	25.0%	30.1%	33.6%	35.2%	25.7%	28.4%	29.8%
	High LDL (bad) cholesterol	27.0%	25.7%	25.5%	44.6%	44.2%	43.9%	14.5%	14.0%	13.8%	28.3%	26.9%	26.6%	49.1%	48.7%	48.1%	13.5%	13.1%	13.0%
	High body-mass index (obesity)	16.4%	16.3%	16.6%	20.5%	20.5%	20.8%	14.1%	13.8%	14.2%	21.9%	22.1%	22.2%	26.0%	26.3%	26.4%	24.1%	24.2%	24.4%
	Tobacco (cigarette smoking, second-hand smoke)	18.8%	15.7%	15.2%	24.3%	20.9%	20.2%	15.1%	12.6%	12.1%	24.8%	21.7%	20.7%	32.3%	29.2%	28.0%	21.9%	19.2%	18.1%
	Impaired kidney function (renal failure)	8.0%	7.5%	7.5%	12.7%	12.5%	12.5%	4.8%	4.5%	4.5%	6.7%	6.4%	6.4%	10.6%	10.4%	10.4%	5.0%	4.7%	4.8%
	Non-optimal (low/high) temperature	7.8%	7.2%	7.3%	7.4%	6.7%	7.0%	13.9%	13.3%	13.5%	6.8%	6.2%	6.3%	7.1%	6.5%	6.7%	11.9%	11.3%	11.5%
	Low physical activity (inactivity, sedentary behaviour)	5.9%	5.8%	5.7%	8.6%	8.8%	8.7%	5.4%	5.3%	5.2%	4.8%	4.6%	4.6%	7.3%	7.4%	7.4%	4.2%	4.1%	4.0%
	Air pollution (particulate matter)	5.6%	4.1%	3.8%	7.2%	5.5%	5.1%	6.8%	5.2%	4.7%	6.6%	5.0%	4.5%	8.8%	6.9%	6.2%	8.5%	6.6%	6.0%
	Other environmental risks (e.g. lead exposure)	1.4%	1.3%	1.2%	1.6%	1.5%	1.3%	1.3%	1.2%	1.1%	1.3%	1.2%	1.0%	1.5%	1.3%	1.2%	1.3%	1.2%	1.1%
	Alcohol misuse	-0.3%	-0.2%	-0.2%	-4.2%	-4.4%	-4.6%	3.2%	3.1%	3.2%	1.0%	1.1%	1.0%	-3.9%	-4.1%	-4.3%	4.9%	4.8%	4.7%
	Other risk factors/unknown	*19.0%*	*21.1%*	*20.8%*	*6.0%*	*6.5%*	*6.4%*	*19.1%*	*20.7%*	*20.2%*	*17.8%*	*19.6%*	*19.5%*	*4.8%*	*5.2%*	*5.2%*	*16.1%*	*17.3%*	*17.1%*

Notes

Negative percentages shown where there are positives to this factor.

Non-modifiable risk factors (age, gender, 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

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, I28-I28.8, 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

Source:

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

Global Burden of Disease Study 2009, 2014 & 2019 Results. [accessed March 2021]

Seattle, United States: Institute for Health Metrics and Evaluation (IHME), 2020.

Table 5.2 Percentage of heart and circulatory diseases (CVD), coronary heart disease (CHD), and stroke (CBVD) attributable to modifiable risk factors, England, 2019

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Reset to Published Order	RISK FACTOR (% attributable)	2019 estimated burden - England DEATHS			2019 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)
	All risk factors	**78.5%**	**93.5%**	**79.3%**	**79.9%**	**94.7%**	**82.5%**
	High systolic blood pressure (hypertension)	42.9%	47.1%	41.8%	45.3%	49.7%	45.6%
	Dietary risks (lack of wholegrains, nuts, seeds, fruit, veg, etc; excess salt, sugar)	33.7%	56.7%	19.6%	34.7%	59.1%	22.5%
	High fasting plasma glucose (diabetes)	26.4%	37.0%	29.4%	25.3%	36.2%	30.4%
	High LDL (bad) cholesterol	25.3%	44.0%	13.7%	26.3%	48.2%	12.8%
	High body-mass index (obesity)	16.4%	20.5%	14.0%	21.9%	26.1%	24.2%
	Tobacco (cigarette smoking, second-hand smoke)	14.7%	19.6%	11.7%	20.1%	27.3%	17.6%
	Impaired kidney function (renal failure)	7.5%	12.5%	4.5%	6.3%	10.4%	4.6%
	Non-optimal (low/high) temperature	7.2%	7.0%	13.4%	6.2%	6.7%	11.5%
	Low physical activity (inactivity, sedentary behaviour)	5.3%	8.2%	4.8%	4.2%	7.0%	3.7%
	Air pollution (particulate matter)	4.0%	5.4%	5.1%	4.9%	6.8%	6.6%
	Other environmental risks (e.g. lead exposure)	1.0%	1.1%	0.9%	0.8%	1.0%	0.8%
	Alcohol misuse	-0.3%	-4.7%	3.1%	1.0%	-4.4%	4.7%
	Other risk factors/unknown	*21.5%*	*6.5%*	*20.7%*	*20.1%*	*5.3%*	*17.5%*

Notes

Negative percentages shown where there are positives to this factor.

Non-modifiable risk factors (age, gender, 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

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, I28-I28.8, 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

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

Global Burden of Disease Study 2019 (GBD 2019) Results. [accessed March 2021]

Seattle, United States: Institute for Health Metrics and Evaluation (IHME), 2020.

Table 5.3 Percentage of heart and circulatory diseases (CVD), coronary heart disease (CHD), and stroke (CBVD) attributable to modifiable risk factors, Scotland, 2019

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Reset to Published Order	RISK FACTOR (% attributable)	2019 estimated burden - Scotland DEATHS			2019 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)
	All modifiable risk factors	**83.1%**	**94.5%**	**82.2%**	**84.3%**	**95.5%**	**84.9%**
	High systolic blood pressure (hypertension)	49.0%	52.7%	48.2%	50.2%	53.6%	50.5%
	Dietary risks (lack of wholegrains, nuts, seeds, fruit, veg, etc; excess salt, sugar)	34.7%	56.2%	18.0%	36.5%	59.1%	21.1%
	High fasting plasma glucose (diabetes)	28.3%	36.6%	30.0%	27.1%	34.9%	30.8%
	High LDL (bad) cholesterol	26.8%	43.6%	14.2%	28.3%	47.8%	13.9%
	High body-mass index (obesity)	19.1%	23.6%	15.7%	25.2%	29.4%	25.8%
	Tobacco (cigarette smoking, second-hand smoke)	18.5%	24.1%	14.3%	24.5%	32.0%	20.7%
	Impaired kidney function (renal failure)	8.2%	12.7%	5.0%	7.1%	10.7%	5.4%
	Non-optimal (low/high) temperature	8.0%	6.9%	13.9%	6.9%	6.8%	11.2%
	Low physical activity (inactivity, sedentary behaviour)	5.9%	8.4%	5.3%	4.8%	7.1%	4.2%
	Air pollution (particulate matter)	2.1%	2.6%	2.4%	2.5%	3.2%	3.0%
	Other environmental risks (e.g. lead exposure)	2.0%	2.2%	1.9%	1.9%	2.1%	1.9%
	Alcohol misuse	0.4%	-3.6%	4.2%	1.3%	-3.4%	5.5%
	Other risk factors/unknown	*16.9%*	*5.5%*	*17.8%*	*15.7%*	*4.5%*	*15.1%*

Notes

Negative percentages shown where there are positives to this factor.

Non-modifiable risk factors (age, gender, 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

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, I28-I28.8, 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

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

Global Burden of Disease Study 2019 (GBD 2019) Results. [accessed March 2021]

Seattle, United States: Institute for Health Metrics and Evaluation (IHME), 2020.

Table 5.4 Percentage of heart and circulatory diseases (CVD), coronary heart disease (CHD), and stroke (CBVD) attributable to modifiable risk factors, Wales, 2019

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Reset to Published Order	RISK FACTOR (% attributable)	2019 estimated burden - Wales DEATHS			2019 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)
	All modifiable risk factors	**80.4%**	**93.8%**	**80.9%**	**81.9%**	**94.9%**	**83.5%**
	High systolic blood pressure (hypertension)	47.8%	52.1%	47.3%	50.0%	54.3%	50.5%
	Dietary risks (lack of wholegrains, nuts, seeds, fruit, veg, etc; excess salt, sugar)	33.6%	55.2%	18.9%	35.5%	58.4%	22.2%
	High LDL (bad) cholesterol	26.7%	45.2%	14.5%	28.0%	49.1%	13.7%
	High fasting plasma glucose (diabetes)	19.8%	27.0%	22.0%	18.3%	24.8%	21.9%
	Tobacco (cigarette smoking, second-hand smoke)	16.3%	21.6%	12.7%	22.2%	29.6%	19.0%
	High body-mass index (obesity)	15.6%	19.6%	13.4%	20.9%	24.8%	22.9%
	Low physical activity (inactivity, sedentary behaviour)	9.9%	14.6%	9.5%	8.0%	12.3%	7.3%
	Impaired kidney function (renal failure)	7.7%	12.5%	4.8%	6.7%	10.6%	5.1%
	Non-optimal (low/high) temperature	7.3%	6.8%	13.7%	6.4%	6.6%	11.4%
	Air pollution (particulate matter)	3.5%	4.6%	4.3%	4.2%	5.6%	5.4%
	Other environmental risks (e.g. lead exposure)	2.4%	2.8%	2.4%	2.3%	2.6%	2.3%
	Alcohol misuse	-0.8%	-5.0%	2.6%	0.2%	-4.8%	4.0%
	Other risk factors/unknown	*19.6%*	*6.2%*	*19.1%*	*18.1%*	*5.1%*	*16.5%*

Notes

Negative percentages shown where there are positives to this factor.

Non-modifiable risk factors (age, gender, 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

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, I28-I28.8, 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

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

Global Burden of Disease Study 2019 (GBD 2019) Results. [accessed March 2021]

Seattle, United States: Institute for Health Metrics and Evaluation (IHME), 2020.

Table 5.5 Percentage of heart and circulatory diseases (CVD), coronary heart disease (CHD), and stroke (CBVD) attributable to modifiable risk factors, Northern Ireland, 2019

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Reset to Published Order	RISK FACTOR (% attributable)	2019 estimated burden - NI DEATHS			2019 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)
	All modifiable risk factors	**82.1%**	**94.0%**	**81.7%**	**83.2%**	**95.1%**	**84.2%**
	High systolic blood pressure (hypertension)	50.8%	55.5%	49.6%	52.7%	57.5%	52.7%
	Dietary risks (lack of wholegrains, nuts, seeds, fruit, veg, etc; excess salt, sugar)	35.2%	55.6%	20.4%	36.3%	58.0%	22.9%
	High LDL (bad) cholesterol	24.7%	40.8%	12.3%	26.2%	45.4%	11.6%
	High fasting plasma glucose (diabetes)	23.6%	30.9%	25.3%	21.3%	28.2%	24.8%
	High body-mass index (obesity)	17.2%	21.2%	14.5%	23.0%	27.0%	24.6%
	Tobacco (cigarette smoking, second-hand smoke)	15.5%	20.3%	12.0%	21.5%	28.3%	18.3%
	Low physical activity (inactivity, sedentary behaviour)	8.5%	12.1%	7.7%	6.8%	10.2%	5.8%
	Non-optimal (low/high) temperature	7.8%	6.9%	14.0%	6.7%	6.6%	12.0%
	Impaired kidney function (renal failure)	7.7%	12.1%	4.7%	6.6%	10.1%	4.9%
	Air pollution (particulate matter)	3.1%	4.0%	3.7%	3.7%	4.8%	4.7%
	Other environmental risks (e.g. lead exposure)	1.4%	1.5%	1.3%	1.2%	1.4%	1.2%
	Alcohol misuse	-0.2%	-3.8%	3.0%	0.8%	-3.6%	4.4%
	Other risk factors/unknown	*17.9%*	*6.0%*	*18.3%*	*16.8%*	*4.9%*	*15.8%*

Notes

Negative percentages shown where there are positives to this factor.

Non-modifiable risk factors (age, gender, 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

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, I28-I28.8, 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

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

Global Burden of Disease Study 2019 (GBD 2019) Results. [accessed March 2021]

Seattle, United States: Institute for Health Metrics and Evaluation (IHME), 2020.

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

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	Estimated prevalence						Estimated prevalence					
	England 2019						Scotland 2018/19					
	Men		Women		All		Men		Women		All	
Age in years	%	*(000)s*	%	*(000)s*	%	*(000)s*	%	*(000)s*	%	*(000)s*	%	*(000)s*
16-24	x	*x*	x	*x*	x	*x*	2	*6*	0	*0*	7	*6*
25-34	8	*300*	6	*240*	7	*540*	8	*30*	5	*20*	5	*50*
35-44	13	*480*	9	*310*	11	*790*	9	*30*	12	*40*	12	*70*
45-54	29	*1,080*	22	*850*	25	*1,900*	33	*120*	18	*70*	29	*190*
55-64	48	*1,600*	33	*1,100*	40	*2,700*	49	*180*	42	*160*	45	*340*
65-74	58	*1,560*	51	*1,500*	54	*3,000*	62	*170*	58	*180*	59	*350*
75+	68	*1,390*	65	*1,800*	66	*3,200*	63	*120*	78	*210*	70	*330*
All Adults	**30**	***6,400***	**25**	***5,800***	**28**	***12,200***	**31**	***660***	**29**	***680***	**31**	***1,330***

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. Diagnosed hypertension totals by UK nation and region are featured in Chapter 2b.

All population figures are health survey results applied to mid-2019 estimates published by age, gender and nation by the Office for National Statistics.

x - small base; published figures not used. Some totals may not add up due to rounding

Source: NHS Digital (2020). Health Survey for England 2019, Adult Health Tables.

The Scottish Government (2020). The Scottish Health Survey 2019. The Scottish Government: Edinburgh.

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

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	England 2019						Scotland 2018/19					
	Men		Women		All		Men		Women		All	
Age in years	%	*(000)s*	%	*(000)s*	%	*(000)s*	%	*(000)s*	%	*(000)s*	%	*(000)s*
16-24	x	*x*	1	*30*	2	*x*	2	*6*	x	*x*	1	*6*
25-34	6	*240*	5	*180*	6	*420*	8	*30*	4	*15*	6	*50*
35-44	10	*360*	6	*230*	10	*590*	8	*30*	10	*30*	9	*60*
45-54	18	*680*	12	*480*	11	*1,160*	22	*80*	15	*60*	19	*140*
55-64	22	*720*	13	*460*	18	*1,170*	35	*130*	23	*90*	28	*210*
65-74	20	*540*	19	*560*	18	*1,100*	23	*60*	27	*80*	25	*150*
75+	14	*290*	19	*530*	16	*820*	24	*50*	35	*100*	30	*140*
All Adults	**14**	***2,830***	**11**	***2,460***	**12**	***5,300***	**18**	***380***	**16**	***370***	**17**	***750***

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 mid-2019 estimates published by age, gender and nation by the Office for National Statistics.

x - small base; published figures not used. Some totals may not add up due to rounding

Source: NHS Digital (2020). Health Survey for England 2019, Adult Health Tables.

The Scottish Government (2020). The Scottish Health Survey 2019. The Scottish Government: Edinburgh.

Table 5.8 Prevalence of diabetes in adults by age and gender, England and Scotland, 2019

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	England 2019						Scotland 2019					
	Men		Women		All		Men		Women		All	
Age in years	%	*(000)s*	%	*(000)s*	%	*(000)s*	%	*(000)s*	%	*(000)s*	%	*(000)s*
16-24	1.0	*30*	0.3	*10*	0.3	*40*	3	*9*	x	*x*	2	*9*
25-34	1.3	*50*	0.8	*30*	0.6	*80*	x	*x*	2	*8*	1	*8*
35-44	3	*120*	3	*95*	2	*210*	3	*10*	3	*10*	3	*20*
45-54	9	*350*	4	*140*	8	*480*	8	*30*	4	*16*	6	*45*
55-64	13	*430*	9	*310*	10	*740*	15	*50*	6	*23*	11	*80*
65-74	21	*550*	12	*340*	15	*890*	17	*50*	9	*27*	13	*75*
75+	18	*370*	15	*420*	18	*790*	18	*40*	13	*35*	15	*70*
All Adults	**9**	***1,900***	**6**	***1,340***	**7**	***3,240***	**9**	***180***	**5**	***120***	**7**	***300***

Notes: Excludes diabetes in pregnancy. England and Scotland asked if diagnosed.

All population figures are health survey results applied to mid-2019 estimates published by age, gender and nation by the Office for National Statistics.

x - small base; published figures not used. Some totals may not add up due to rounding

Source: NHS Digital (2020). Health Survey for England 2019, Adult Health Tables.

The Scottish Government (2020). The Scottish Health Survey 2019. The Scottish Government: Edinburgh.

Table 5.9 Prevalence of Diagnosed Diabetes by nation and region, United Kingdom, latest available

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Nation/Region	Diabetes Register	
	Patients	Aged 17+ %
East Midlands	308,896	7.4
East of England	369,475	6.8
London	562,006	6.7
North East England	176,448	7.6
North West England	472,867	7.4
South East England	511,439	6.4
South West England	334,981	6.8
West Midlands	410,463	8.0
Yorkshire and The Humber	357,043	7.4
England	3,503,618	7.1
Scotland	295,970	n/a
Wales	198,883	7.6
Northern Ireland	104,171	6.6
UK	**4,102,642**	n/a

Notes:

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These data show total numbers of people on GP patient registers in each area.
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.
England includes some 2018/19 data - around 200 current practices were missing from the published 2019/20 data because of the coronavirus pandemic (BHF analysis)
For Scotland, adjustments have been made for areas where patients were missing from lists.

Source:

England - Health and Social Care Information Centre. QOF prevalence data 2019/20
https://digital.nhs.uk/data-and-information/publications/statistical/quality-and-outcomes-framework-achievement-prevalence-and-exceptions-data/2019-20
Wales - StatsWales. QOF prevalence data 2018/19 (series discontinued)
https://gov.wales/general-medical-services-contract-quality-and-outcomes-framework-april-2018-march-2019
Scotland - Public Health Scotland. GP prevalence data 2018/19
https://beta.isdscotland.org/find-publications-and-data/health-services/primary-care/general-practice-disease-prevalence-data-visualisation/
Northern Ireland - Department of Health, QOF prevalence data 2019/20
https://www.health-ni.gov.uk/topics/doh-statistics-and-research/quality-outcomes-framework-qof

Table 5.10 Percentage of adults with raised cholesterol by age and gender, England, 2019

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	England 2018					
	Men		Women		All	
Age in years	%	*(000)s*	%	*(000)s*	%	*(000)s*
16-24	18	*540*	17	*490*	17	*1,030*
25-34	34	*1,300*	26	*970*	29	*2,300*
35-44	53	*1,900*	37	*1,300*	45	*3,200*
45-54	55	*2,000*	59	*2,300*	57	*4,300*
55-64	52	*1,700*	66	*2,300*	59	*4,000*
65-74	37	*980*	62	*1,800*	50	*2,800*
75+	19	*390*	49	*1,300*	35	*1,700*
All Adults	**40**	***8,800***	**45**	***10,500***	**43**	***19,300***

Notes: Includes those on lipid lowering drugs. Blood sample via nurse visit.

Raised total cholesterol: Total cholesterol greater than or equal to 5mmol/L.

All population figures are health survey results applied to mid-2019 estimates published by age, gender and nation by the Office for National Statistics.

Scotland data not updated since 2010/11.

Source: NHS Digital (2020). Health Survey for England 2019, Adult Health Tables.

Table 5.11 Prevalence of overweight (including obese) in adults by age and gender, England, Scotland, Wales, Northern Ireland and UK, latest available

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	England 2019						Scotland 2019						Wales 2019/20						Northern Ireland 2019/20						UK estimated population					
	Men		Women		All		Men		Women		All		Men		Women		All		Men		Women		All		Men		Women		All	
Age in years	%	(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	37	1,100	37	1,100	37	2,200	35	100	45	130	40	230	42	70	31	50	37	120	36	40	39	40	37	80	37	1,310	37	1,320	37	2,600
25-34	60	2,300	54	2,000	57	4,300	66	250	58	220	62	470	62	130	55	110	58	240	66	80	59	70	63	150	61	2,760	55	2,400	57	5,200
35-44	68	2,400	61	2,200	64	4,600	70	230	64	220	67	450	70	120	56	100	63	220	76	90	56	70	66	160	69	2,840	61	2,590	64	5,400
45-54	79	3,000	67	2,600	73	5,600	74	270	65	260	69	530	76	160	65	140	70	300	82	100	70	90	76	190	79	3,530	67	3,090	72	6,600
55-64	79	2,600	66	2,300	72	4,900	78	280	69	260	73	540	76	150	60	130	68	280	82	90	62	70	72	160	79	3,120	66	2,760	72	5,900
65-74	81	2,200	69	2,000	75	4,200	85	240	73	220	79	460	69	120	56	100	63	220	84	70	72	60	78	130	81	2,630	69	2,380	74	5,000
75+	74	1,500	69	1,900	71	3,400	77	150	66	180	71	330	62	80	51	90	56	170	69	40	58	50	63	90	74	1,770	68	2,220	69	4,000
All Adults	**68**	**15,100**	**60**	**14,100**	**64**	**29,200**	**69**	**1,520**	**63**	**1,480**	**66**	**3,000**	**67**	**830**	**55**	**720**	**61**	**1,550**	**71**	**520**	**60**	**460**	**65**	**970**	**68**	**18,000**	**60**	**16,800**	**64**	**34,700**

Notes: Overweight = BMI 25 to less than 30kg/m2. Obese = BMI 30kg/m2 or more (includes morbidly obese). Wales uses self-reported data.

All population figures are health survey results applied to mid-2019 estimates published by age, gender and nation by the Office for National Statistics.

UK percentages are population-weighted averages based on data from all four nations, where available.

Some totals may not add up due to rounding

Source: NHS Digital (2020). Health Survey for England 2019: overweight and obesity in adults and children data tables

The Scottish Government (2020). The Scottish Health Survey 2019. The Scottish Government: Edinburgh.

Welsh Government (2020). National Survey for Wales - Population health: health-related lifestyle (adults), 2019-20

Northern Ireland Statistics and Research Agency (2020). Health Survey Northern Ireland 2019/20.

Table 5.12 Prevalence of obesity in adults by age and gender, England, Scotland, Wales, Northern Ireland and UK, latest available

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	England 2019						Scotland 2019						Wales 2019/20						Northern Ireland 2019/20						UK estimated population					
	Men		Women		All		Men		Women		All		Men		Women		All		Men		Women		All		Men		Women		All	
Age in years	%	(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	14	430	12	350	13	780	14	40	21	60	17	100	15	30	11	20	13	50	12	13	15	15	14	28	14	510	13	450	13	960
25-34	19	730	26	980	23	1,700	21	80	29	110	25	190	29	60	28	55	28	110	21	26	28	35	25	61	20	900	26	1,200	23	2,100
35-44	27	960	33	1,200	30	2,100	30	100	32	110	31	210	26	50	26	50	26	90	30	35	24	30	27	65	27	1,200	32	1,400	29	2,500
45-54	32	1,200	35	1,350	33	2,600	34	125	29	110	31	240	27	55	27	60	27	110	35	44	34	44	34	88	32	1,400	34	1,600	33	3,000
55-64	34	1,130	33	1,150	34	2,300	33	120	32	120	32	240	35	70	28	60	32	130	32	36	28	33	30	69	34	1,400	33	1,400	34	2,700
65-74	38	1,020	34	980	36	2,000	42	120	32	100	37	210	28	50	25	50	26	100	38	32	32	28	35	59	38	1,200	33	1,200	36	2,400
75+	23	470	28	760	26	1,200	30	60	33	90	32	150	19	25	18	30	18	60	27	16	27	23	27	39	24	570	28	900	26	1,400
All Adults	**27**	**5,940**	**29**	**6,750**	**28**	**12,700**	**29**	**640**	**30**	**700**	**29**	**1,340**	**26**	**330**	**24**	**320**	**25**	**650**	**28**	**200**	**27**	**208**	**27**	**410**	**27**	**7,200**	**29**	**8,000**	**28**	**15,100**

Notes: Obese = BMI 30kg/m2 or more (includes morbidly obese). Wales uses self-reported data.

All population figures are health survey results applied to mid-2019 estimates published by age, gender and nation by the Office for National Statistics.

UK percentages are population-weighted averages based on data from all four nations, where available.

Some totals may not add up due to rounding

Source: NHS Digital (2020). Health Survey for England 2019: overweight and obesity in adults and children data tables

The Scottish Government (2020). The Scottish Health Survey 2019. The Scottish Government: Edinburgh.

Welsh Government (2020). National Survey for Wales - Population health: health-related lifestyle (adults), 2019-20

Northern Ireland Statistics and Research Agency (2020). Health Survey Northern Ireland 2019/20.

Table 5.13 Percentage of adults NOT meeting physical activity recommendations by age and gender, England, Scotland, Wales, Northern Ireland and UK, latest available

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	England 2019/20						Scotland 2019						Wales 2019/20					
	Men		Women		All		Men		Women		All		Men		Women		All	
Age	%	(000)s	%	(000)s	%	(000)s	%	(000)s	%	(000)s	%	(000)s	%	(000)s	%	(000)s	%	(000)s
16-24					28	1,600	23	70	34	100	28	160	33	60	45	70	39	130
25-34					34	2,600	17	60	29	110	23	170	36	70	48	100	43	170
35-44					34	2,400	23	80	30	100	26	180	37	70	45	80	41	150
45-54					33	2,500	26	100	31	120	29	220	36	75	48	100	42	180
55-64					38	2,600	33	120	41	160	37	270	49	100	50	110	49	200
65-74					41	2,300	38	110	52	160	45	260	43	75	51	100	48	170
75+					62	3,000	59	110	69	190	65	300	64	80	73	120	69	210
All Adults	**35**	***7,900***	**39**	***9,100***	**38**	***17,000***	**29**	***640***	**39**	***930***	**34**	***1,570***	**42**	***530***	**51**	***680***	**47**	***1,200***

	Northern Ireland 2016/17					
	Men		Women		All	
Age	%	(000)s	%	(000)s	%	(000)s
19-24	23	20	40	30	33	50
25-34	34	40	32	40	33	80
35-44	25	30	33	40	30	70
45-54	32	40	42	60	38	100
55-64	51	60	55	60	53	120
65-74	51	40	65	60	59	100
75+	86	50	92	70	90	120
All Adults	**39**	***280***	**49**	***360***	**45**	***640***

	UK estimated population					
	Men		Women		All	
Age	%	(000)s	%	(000)s	%	(000)s
16-24					28	1,900
25-34					33	3,000
35-44					33	2,800
45-54					33	3,000
55-64					38	3,200
65-74					41	2,800
75+					62	3,600
All Adults	**35**	***9,400***	**39**	***11,000***	**38**	***20,400***

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 mid-2019 estimates published by age, gender and nation by the Office for National Statistics.

UK percentages are population-weighted averages based on data from all four nations, where consistent and available.

Some totals may not add up due to rounding

Source: Sport England (2020). Active Lives Survey May 19 - May 20 https://www.sportengland.org/know-your-audience/data/active-lives/active-lives-data-tables

The Scottish Government (2020). The Scottish Health Survey 2019. The Scottish Government: Edinburgh. https://www.gov.scot/collections/scottish-health-survey/

Welsh Government (2020). National Survey for Wales (2020) Population health: health-related lifestyle (adults), 2019-20 https://statswales.gov.wales/Catalogue/National-Survey-for-Wales

Northern Ireland Statistics and Research Agency (2017). Health Survey Northern Ireland 2016/17 https://www.health-ni.gov.uk/publications/health-survey-northern-ireland-first-results-201617

Table 5.14 Prevalence of cigarette smoking among adults by age and gender, England, Scotland, Wales, Northern Ireland and UK, latest available

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	England 2019						Scotland 2019						Wales 2019/20						Northern Ireland 2019/20						UK estimated population					
	Men		Women		All		Men		Women		All		Men		Women		All		Men		Women		All		Men		Women		All	
Age in years	%	(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	23	700	19	550	21	1,250	14	40	15	40	14	80	24	43	16	26	20	70	16	17	17	17	17	30	22	800	19	630	20	1,400
25-34	28	1,100	22	820	25	1,900	24	90	19	70	22	160	20	41	24	48	22	90	23	29	21	26	22	60	27	1,250	22	960	25	2,200
35-44	21	730	16	570	18	1,300	24	80	20	70	22	150	24	42	18	32	21	70	20	23	18	22	19	50	21	880	17	700	19	1,600
45-54	20	750	12	450	16	1,200	23	90	20	80	21	160	21	43	20	43	20	90	22	28	17	22	19	50	20	910	17	600	17	1,500
55-64	15	490	15	500	15	1,000	19	70	15	60	17	130	18	36	15	32	17	70	19	21	18	21	18	40	16	620	15	610	15	1,200
65-74	9	250	11	330	10	570	10	30	14	40	12	70	13	23	13	24	13	50	12	10	13	11	13	21	9	310	10	410	10	700
75+	6	130	6	150	6	280	8	15	7	20	7	35	6	8	8	14	7	20	12	7	7	6	9	13	6	160	6	190	6	350
All Adults	**18**	**4,100**	**15**	**3,400**	**16**	**7,500**	**19**	**410**	**16**	**380**	**17**	**785**	**18**	**230**	**17**	**220**	**18**	**450**	**18**	**140**	**16**	**130**	**17**	**265**	**18**	**4,900**	**15**	**4,100**	**16**	**9,000**

Notes: Aged 16+ years, Respondents were asked if they smoke cigarettes. Current cigarette smokers exclude those who reported smoking only cigars or pipes.

All estimates and totals are rounded to one significant figure and may not add up due to rounding.

All population figures are health survey results applied to mid-2019 estimates published by age, gender and nation by the Office for National Statistics.

UK percentages are population-weighted averages based on data from all four nations, where available.

Source: NHS Digital (2020). Health Survey for England 2019, Adult behaviours and risks.

The Scottish Government (2020). The Scottish Health Survey 2019. The Scottish Government: Edinburgh.

Welsh Government (2020). National Survey for Wales - Population health: health-related lifestyle (adults), 2019-20

Northern Ireland Statistics and Research Agency (2020). Health Survey Northern Ireland 2019/20.

NB alternatives estimates for all four nations can be found in the ONS Smoking Habits in the UK series

Table 5.15 Percentage of adults exceeding weekly alcohol consumption guidelines by age and gender, England, Scotland, Wales, Northern Ireland and UK, latest available

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	England 2019			Scotland 2019			Wales 2019/20				Northern Ireland 2019/20				UK Total, latest		
	Men	Women	All	Men	Women	All	Men	Women	All		Men	Women	All		Men	Women	All
Age	%	%	%	%	%	%	%	%	%	Age	%	%	%	Age	%	%	%
16-24	19	11	15	28	13	20	18	12	15	18-24			18	18-24	20	11	16
25-34	27	15	21	27	16	21	14	10	12	25-34			16	25-34	26	15	20
35-44	25	15	20	31	17	24	24	15	20	35-44			15	35-44	25	15	20
45-54	35	19	26	30	24	27	34	22	28	45-54			21	45-54	35	19	27
55-64	39	20	30	39	18	28	28	13	21	55-64			22	55-64	39	20	29
65-74	39	17	28	37	16	26	30	13	21	65-74			15	65-74	38	17	27
75+	25	10	17	26	6	14	20	6	12	75+			8	75+	25	9	17
All Adults	**30**	**15**	**23**	**32**	**16**	**24**	**25**	**14**	**19**	**All Adults**	**26**	**9**	**17**	**All Adults**	**30**	**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.

Source: NHS Digital (2020). Health Survey for England 2019, Adult behaviours and risks.

The Scottish Government (2020). The Scottish Health Survey 2019. The Scottish Government: Edinburgh.
Welsh Government (2020). National Survey for Wales - Population health: health-related lifestyle (adults), 2019-20
Northern Ireland Statistics and Research Agency (2020). Health Survey Northern Ireland 2019/20.

Table 5.16 Percentage of adults NOT meeting 5-a-day fruit and vegetable recommendations by age and gender, England, Scotland, Wales, Northern Ireland and UK, latest available

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	England 2018			Scotland 2019			Wales 2019/20			N Ireland 2019/20			UK Total		
	Men	Women	All	Men	Women	All	Men	Women	All	Men	Women	All	Men	Women	All
Age in years	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%
16-24	82	74	78	78	84	81	79	75	77	66	56	61	81	74	78
25-34	77	71	74	76	78	77	76	72	74	62	55	58	77	71	74
35-44	72	63	68	81	75	78	77	69	73	63	48	55	72	63	68
45-54	75	71	73	75	74	75	76	73	74	62	47	54	75	71	73
55-64	72	67	70	81	73	77	80	73	76	62	43	52	72	67	70
65-74	73	70	72	81	81	81	76	74	75	56	46	51	73	70	72
75+	74	75	75	77	79	78	78	78	78	62	57	59	74	75	75
All Adults	**75**	**70**	**72**	**79**	**77**	**78**	**77**	**73**	**75**	**62**	**50**	**56**	**75**	**70**	**72**

Notes: Recommendation is at least 5 portions of different types or fruit or vegetable.

UK percentages are population-weighted averages based on data from all four nations, where available and consistent.

Source: NHS Digital (2019). Health Survey for England 2018. [no questions in 2019 survey]
The Scottish Government (2020). The Scottish Health Survey 2019. The Scottish Government: Edinburgh
Welsh Government (2020). National Survey for Wales - Population health: health-related lifestyle (adults), 2019-20
Northern Ireland Statistics and Research Agency (2020). Health Survey Northern Ireland 2019/20.

Table 5.17 Levels of Air Pollution (fine particulate matter; $PM_{2.5}$) by nation and region, United Kingdom 2019

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Nation/Region	$PM_{2.5}$ 2019 (anthropogenic)
East Midlands	9.4
East of England	9.7
London	11.4
North East England	6.2
North West England	7.9
South East England	9.1
South West England	7.3
West Midlands	9.4
Yorkshire and The Humber	8.4
England	9.0
Scotland	5.2
Wales	6.9
Northern Ireland	5.5
UK	8.5

Notes:

Population-weighted annual mean $PM_{2.5}$ concentration for 2019 (ugm-3)

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.

UK percentage is a population-weighted average.

Source:

Department for Environment Food & Rural Affairs (DEFRA) (2020). UK Air Information Resource
https://uk-air.defra.gov.uk/data/pcm-data

Table 5.18 Percentage of heart and circulatory diseases (CVD), coronary heart disease (CHD), and stroke (CBVD) attributable to modifiable risk factors, global, 2019

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Reset to Published Order	RISK FACTOR (% attributable)	2019 estimated burden - GLOBAL DEATHS			2019 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)
	All modifiable risk factors	**86.0%**	**93.5%**	**85.0%**	**85.8%**	**94.5%**	**87.0%**
	High systolic blood pressure (hypertension)	53.7%	53.2%	52.6%	54.4%	54.6%	55.5%
	Dietary risks (lack of wholegrains, nuts, seeds, fruit, veg, etc; excess salt, sugar)	36.9%	53.4%	26.6%	39.0%	57.1%	30.6%
	High LDL (bad) cholesterol	23.7%	41.4%	9.4%	25.1%	46.6%	9.6%
	High fasting plasma glucose	20.3%	25.8%	21.2%	18.5%	23.8%	20.2%
	Air pollution (particulate matter)	19.1%	20.2%	26.0%	22.6%	24.9%	30.4%
	High body-mass index (obesity and overweight)	17.4%	18.2%	16.6%	22.1%	22.7%	24.3%
	Tobacco (cigarette smoking, second-hand smoke)	17.2%	21.9%	16.8%	21.1%	27.9%	20.6%
	Impaired kidney function (renal failure)	9.3%	13.4%	7.7%	8.8%	12.4%	8.3%
	Non-optimal temperature (high/low)	6.4%	6.5%	8.0%	5.5%	6.1%	6.6%
	Other environmental risks (e.g. lead exposure)	4.6%	4.5%	4.7%	4.5%	4.6%	4.7%
	Low physical activity (inactivity, sedentary behaviour)	3.4%	5.3%	2.3%	2.5%	4.2%	1.7%
	Alcohol misuse	2.3%	-1.2%	5.2%	3.0%	-1.1%	6.0%
	Other risk factors/unknown	*14.0%*	*6.5%*	*15.0%*	*14.2%*	*5.5%*	*13.0%*

Notes

Negative percentages shown where there are positives to this factor.

Non-modifiable risk factors (age, gender, 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

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, I28-I28.8, 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

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

Global Burden of Disease Study 2019 (GBD 2019) Results. [accessed March 2021]

Seattle, United States: Institute for Health Metrics and Evaluation (IHME), 2020.