British Heart Foundation

Heart and Circulatory Disease Statistics 2022

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

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

Tableau data visualisations to follow soon…

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

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.

GLOSSARY

Definitions for the terms used in this compendium

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

Age-standardised rate – a measure of the rate that a population would experience if it had a standard age structure. It is useful to present rates as age-standardised, as it allows for comparisons between populations 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 a hardening or narrowing 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 (HCDs) – 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 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, treatment and prevention.

Advances from our research have helped save and improve 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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This chapter presents heart and circulatory diseases (CVD) in the context of mortality: local, regional and seasonal differences and trends over time in CVD, coronary heart disease (CHD) and stroke (CBVD).

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Table 1.1 Deaths by cause, by sex and age, United Kingdom 2020

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			All ages	Under 35	35-44	45-54	55-64	65-74	75-84	85+
All causes		MEN	348,932	7,024	6,885	16,667	34,239	66,954	108,014	109,149
		WOMEN	340,697	3,947	4,168	10,618	22,416	46,774	91,950	160,824
		Total	**689,629**	**10,971**	**11,053**	**27,285**	**56,655**	**113,728**	**199,964**	**269,973**
All heart and circulatory diseases		MEN	87,790	548	1,266	4,209	9,172	16,667	26,865	29,063
(I00-I99, C38.0, F01, G45, P29, Q20-Q28)		WOMEN	80,529	368	561	1,580	3,718	8,538	21,516	44,248
		Total	**168,319**	**916**	**1,827**	**5,789**	**12,890**	**25,205**	**48,381**	**73,311**
	Diseases of the circulatory	MEN	81,202	436	1,233	4,168	9,087	16,254	24,650	25,374
	system	WOMEN	70,780	285	540	1,555	3,666	8,220	19,275	37,239
	(I00-I99)	Total	**151,982**	**721**	**1,773**	**5,723**	**12,753**	**24,474**	**43,925**	**62,613**
	Chronic rheumatic heart	MEN	416	7	17	16	25	71	145	135
	diseases	WOMEN	809	3	8	23	41	103	281	350
	(I05-I09)	**Total**	**1,225**	**10**	**25**	**39**	**66**	**174**	**426**	**485**
	Hypertensive diseases	MEN	3,788	12	42	206	393	633	1,032	1,470
	(I10-I15)	WOMEN	5,078	3	14	72	205	398	1,001	3,385
		Total	**8,866**	**15**	**56**	**278**	**598**	**1,031**	**2,033**	**4,855**
	Coronary heart disease	MEN	41,117	93	559	2,414	5,683	9,586	12,430	10,352
	(I20-I25)	WOMEN	23,053	27	128	526	1,565	3,459	6,906	10,442
		Total	**64,170**	**120**	**687**	**2,940**	**7,248**	**13,045**	**19,336**	**20,794**
	Myocardial infarction	*MEN*	*15,341*	*39*	*240*	*1,003*	*2,421*	*3,726*	*4,682*	*3,230*
	(I21-I22)	*WOMEN*	*9,196*	*17*	*64*	*217*	*660*	*1,504*	*3,052*	*3,682*
		Total	***24,537***	***56***	***304***	***1,220***	***3,081***	***5,230***	***7,734***	***6,912***
	Other heart diseases	MEN	14,616	194	293	655	1,136	2,157	4,038	6,143
	(I26-I52)	WOMEN	16,937	138	177	353	620	1,417	3,904	10,328
		Total	**31,553**	**332**	**470**	**1,008**	**1,756**	**3,574**	**7,942**	**16,471**
	Stroke	MEN	15,095	71	184	513	1,168	2,481	4,940	5,738
	(I60-I69)	WOMEN	19,423	61	121	392	838	1,980	5,491	10,540
		Total	**34,518**	**132**	**305**	**905**	**2,006**	**4,461**	**10,431**	**16,278**
	Diseases of arteries,	MEN	4,744	20	70	182	393	945	1,763	1,371
	arterioles and capillaries	WOMEN	3,941	19	19	60	179	547	1,267	1,850
	(I70-I79)	**Total**	**8,685**	**39**	**89**	**242**	**572**	**1,492**	**3,030**	**3,221**
	Diseases of veins, lymphatic	MEN	1,408	38	68	180	289	376	298	159
	vessels and lymph nodes*	WOMEN	1,527	34	73	129	218	315	421	337
	(I80-I89)	**Total**	**2,935**	**72**	**141**	**309**	**507**	**691**	**719**	**496**
	Malignant neoplasm: Heart	MEN	5	1	-	2	1	-	1	-
	(C38.0)	WOMEN	3	-	-	-	-	1	1	1
		Total	**8**	**1**	**-**	**2**	**1**	**1**	**2**	**1**
	Vascular dementia	MEN	6,312	-	-	5	46	383	2,200	3,678
	(F01)	WOMEN	9,520	-	-	1	28	298	2,223	6,970
		Total	**15,832**	**-**	**-**	**6**	**74**	**681**	**4,423**	**10,648**
	Transient cerebral ischaemic attacks	MEN	9	-	-	-	-	1	1	7
	and related syndromes	WOMEN	23	-	-	-	-	-	1	22
	(G45)	**Total**	**32**	**-**	**-**	**-**	**-**	**1**	**2**	**29**
	Cardiovascular disorders originating	MEN	5	5	-	-	-	-	-	-
	in the perinatal period	WOMEN	4	4	-	-	-	-	-	-
	(P29)	**Total**	**9**	**9**	**-**	**-**	**-**	**-**	**-**	**-**
	Congenital malformations of	MEN	257	106	33	34	38	29	13	4
	the circulatory system	WOMEN	199	79	21	24	24	19	16	16
	(Q20-Q28)	**Total**	**456**	**185**	**54**	**58**	**62**	**48**	**29**	**20**
Cancer		MEN	92,026	577	1,004	3,828	11,183	24,544	31,019	19,871
(C00-D48)		WOMEN	80,492	590	1,366	4,316	10,151	19,574	25,316	19,179
		Total	**172,518**	**1,167**	**2,370**	**8,144**	**21,334**	**44,118**	**56,335**	**39,050**
	Lung cancer	MEN	17,807	17	99	702	2,388	5,687	6,229	2,685
	(C33,C34)	WOMEN	15,865	15	77	570	2,199	4,924	5,511	2,569
		Total	**33,672**	**32**	**176**	**1,272**	**4,587**	**10,611**	**11,740**	**5,254**
	Breast cancer	MEN	105	-	-	6	11	32	25	31
	(C50)	WOMEN	11,567	91	411	1,234	1,797	2,322	2,885	2,827
		Total	**11,672**	**91**	**411**	**1,240**	**1,808**	**2,354**	**2,910**	**2,858**
Respiratory disease (excl COVID-19)		MEN	35,088	157	196	789	2,377	6,370	11,822	13,377
(J00-J99)		WOMEN	34,080	118	150	601	1,775	5,097	10,098	16,241
		Total	**69,168**	**275**	**346**	**1,390**	**4,152**	**11,467**	**21,920**	**29,618**
	Lower respiratory disease	MEN	16,123	34	66	350	1,320	3,729	6,137	4,487
	(J40 - J47)	WOMEN	15,845	28	51	317	1,136	3,470	5,794	5,049
		Total	**31,968**	**62**	**117**	**667**	**2,456**	**7,199**	**11,931**	**9,536**
[other]	**Diabetes**	MEN	4,608	64	86	243	480	841	1,357	1,537
	(E10-E14)	WOMEN	4,303	38	49	127	262	515	1,165	2,147
		Total	**8,911**	**102**	**135**	**370**	**742**	**1,356**	**2,522**	**3,684**
[other]	**Unspecified dementia/Alzheimer's**	MEN	20,653	-	2	7	145	1,270	6,782	12,447
	(F03, G30)	WOMEN	41,905	-	1	16	168	1,589	9,722	30,409
		Total	**62,558**	**-**	**3**	**23**	**313**	**2,859**	**16,504**	**42,856**
[other]	**COVID-19 (coronavirus)**	**MEN**	**44,892**	**138**	**316**	**1,226**	**3,535**	**7,885**	**15,842**	**15,950**
	(U07)	**WOMEN**	**36,547**	**95**	**225**	**725**	**1,821**	**4,279**	**10,844**	**18,558**
		Total	**81,439**	**233**	**541**	**1,951**	**5,356**	**12,164**	**26,686**	**34,508**

Notes: ICD-10 codes in parentheses. C38.0 deaths not available for Scotland or Northern Ireland. *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 (2021) Deaths registered by cause, sex and age.
https://www.nomisweb.co.uk/datasets/mortsa
Scotland, National Records of Scotland (2021) Deaths, by sex, age and cause.
https://www.nrscotland.gov.uk/statistics-and-data/statistics/statistics-by-theme/vital-events/general-publications/vital-events-reference-tables/2020
Northern Ireland, Statistics and Research Agency (2021) Deaths by sex, age and cause

Table 1.2 Deaths by cause, by sex and age, England, Wales, Scotland and Northern Ireland 2020

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		All ages				*Under 75*			
		England	Wales	Scotland	Northern Ireland	England	Wales	Scotland	Northern Ireland
All causes	MEN	288,742	18,830	32,130	8,733	106,785	7,105	13,959	3,561
	WOMEN	280,958	18,569	31,963	8,881	70,815	4,997	9,411	2,501
	Total	**569,700**	**37,399**	**64,093**	**17,614**	**177,600**	**12,102**	**23,370**	**6,062**
All heart and circulatory diseases	MEN	71,704	4,881	8,928	2,100	25,642	1,837	3,446	804
(I00-I99, C38.0, F01, G45, P29, Q20-Q28)	WOMEN	65,448	4,459	8,520	2,002	11,711	925	1,702	375
	Total	**137,152**	**9,340**	**17,448**	**4,102**	**37,353**	**2,762**	**5,148**	**1,179**
Diseases of the circulatory	MEN	**66,439**	**4,544**	**8,069**	**1,976**	**25,126**	**1,791**	**3,351**	**780**
system	WOMEN	**57,663**	**3,940**	**7,268**	**1,812**	**11,326**	**892**	**1,640**	**358**
(I00-I99)	Total	**124,102**	**8,484**	**15,337**	**3,788**	**36,452**	**2,683**	**4,991**	**1,138**
Chronic rheumatic heart	MEN	338	19	42	14	111	6	13	4
diseases	WOMEN	668	41	69	27	145	9	19	1
(I05-I09)	**Total**	**1,006**	**60**	**111**	**41**	**256**	**15**	**32**	**5**
Hypertensive diseases	MEN	3,214	176	297	96	1,079	64	102	36
(I10-I15)	WOMEN	4,313	214	409	138	564	37	67	22
	Total	**7,527**	**390**	**706**	**234**	**1,643**	**101**	**169**	**58**
Coronary heart disease	MEN	33,512	2,310	4,202	1,010	14,757	1,056	1,999	461
(I20-I25)	WOMEN	18,554	1,312	2,525	626	4,505	361	678	141
	Total	**52,066**	**3,622**	**6,727**	**1,636**	**19,262**	**1,417**	**2,677**	**602**
Myocardial infarction	*MEN*	*11,482*	*735*	*2,521*	*562*	*5,635*	*352*	*1,151*	*266*
(I21-I22)	*WOMEN*	*6,714*	*447*	*1,652*	*362*	*1,775*	*138*	*441*	95
	Total	***18,196***	***1,182***	***4,173***	***924***	***7,410***	***490***	***1,592***	***361***
Other heart diseases	MEN	12,073	849	1,294	367	3,582	251	470	108
(I26-I52)	WOMEN	14,057	916	1,517	434	2,166	171	301	64
	Total	**26,130**	**1,765**	**2,811**	**801**	**5,748**	422	**771**	**172**
Stroke	MEN	12,184	830	1,674	375	3,508	241	522	121
(I60-I69)	WOMEN	15,563	1,102	2,253	479	2,694	189	402	93
	Total	**27,747**	**1,932**	**3,927**	**854**	**6,202**	430	**924**	**214**
Diseases of arteries,	MEN	3,929	242	462	95	1,307	92	167	34
arterioles and capillaries	WOMEN	3,234	215	399	86	649	50	99	22
(I70-I79)	**Total**	**7,163**	**457**	**861**	**181**	**1,956**	**142**	**266**	**56**
Diseases of veins, lymphatic	MEN	1,174	118	96	18	776	81	77	15
vessels and lymph nodes*	WOMEN	1,264	139	95	22	602	75	74	15
(I80-I89)	**Total**	**2,438**	**257**	**191**	**40**	**1,378**	156	**151**	**30**
Malignant neoplasm: Heart	MEN	5				4			
(C38.0)	WOMEN	3				1			
	Total	**8**	**0**			**5**	0		
Vascular dementia	MEN	5,049	320	830	113	321	30	69	14
(F01)	WOMEN	7,609	506	1,226	178	255	25	40	7
	Total	**12,658**	**826**	**2,056**	**291**	**576**	**55**	**109**	**21**
Transient cerebral ischaemic attacks	MEN	8		1		1			
and related syndromes	WOMEN	19		4		0			
(G45)	**Total**	**27**	**0**	**5**	**0**	1	0	**0**	**0**
Cardiovascular disorders originating	MEN	4		1		4		1	
in the perinatal period	WOMEN	2		2		2		2	
(P29)	**Total**	**6**	**0**	**3**	**0**	**6**	0	**3**	**0**
Congenital malformations of	MEN	199	17	27	11	186	16	25	10
the circulatory system	WOMEN	152	13	20	12	127	8	20	10
(Q20-Q28)	**Total**	**351**	**30**	**47**	**23**	**313**	24	**45**	**20**
All cancer	MEN	75,791	5,030	8,622	2,480	33,529	2,242	4,134	1,167
(C00-D48)	WOMEN	65,719	4,359	8,053	2,247	29,181	2,018	3,683	1,035
	Total	**141,510**	**9,389**	**16,675**	**4,727**	**62,710**	**4,260**	**7,817**	**2,202**
Lung cancer	MEN	14,350	931	1,938	577	7,096	467	999	325
(C33,C34)	WOMEN	12,586	855	1,936	476	6,122	425	973	259
	Total	**26,936**	**1,786**	**3,874**	**1,053**	**13,218**	**892**	**1,972**	**584**
Breast cancer	MEN	95	3	5	2	43	2	2	2
(C50)	WOMEN	9,638	629	969	311	4,830	328	508	174
	Total	**9,733**	**632**	**974**	**313**	**4,873**	**330**	**510**	**176**
Respiratory disease (excl COVID-19)	MEN	29,579	1,968	2,685	823	8,282	507	841	245
(J00-J99)	WOMEN	28,206	2,173	2,789	892	6,233	512	761	225
	Total	**57,785**	**4,141**	**5,474**	**1,715**	**14,515**	**1,019**	**1,602**	**470**
Lower respiratory disease	MEN	13,541	878	1,281	420	4,584	281	485	149
(J40 - J47)	WOMEN	12,940	949	1,517	430	3,987	307	550	153
	Total	**26,481**	**1,827**	**2,798**	**850**	**8,571**	**588**	**1,035**	**302**
[other] Diabetes	MEN	3,621	242	627	115	1,285	91	290	47
(E10-E14)	WOMEN	3,393	220	538	146	718	57	170	41
	Total	**7,014**	**462**	**1,165**	**261**	**2,003**	**148**	**460**	**88**
[other] Unspecified dementia/Alzheimer's	MEN	17,735	1,017	1,349	548	1,191	83	112	38
(F03, G30)	WOMEN	35,740	2,061	2,947	1,152	1,498	90	132	53
	Total	**53,475**	**3,078**	**4,296**	**1,700**	**2,689**	**173**	**244**	**91**
[other] COVID-19 (coronavirus)	MEN	38,526	2,413	3,101	796	11,226	708	918	207
(U07)	WOMEN	30,773	1,969	2,947	829	6,031	401	549	148
	Total	**69,299**	**4,382**	**6,048**	**1,625**	**17,257**	**1,109**	**1,467**	**355**

Notes: ICD-10 codes in parentheses. C38.0 deaths not available for Scotland or Northern Ireland. *Not classified elsewhere
This table compiles data from the four countries of the UK. Excludes non-resident mortality (included in Table 1.1 UK totals)
#these tables exclude deaths before 28 days, so neonatal deaths from congenital heart anomalies are excluded here

Sources: England and Wales, Office for National Statistics (2021) Deaths registered by cause, sex and age.
https://www.nomisweb.co.uk/datasets/mortsa
Scotland, National Records of Scotland (2021) Deaths, by sex, age and cause.
https://www.nrscotland.gov.uk/statistics-and-data/statistics/statistics-by-theme/vital-events/general-publications/vital-events-reference-tables/2020
Northern Ireland, Statistics and Research Agency (2021) Deaths by sex, age and cause
https://www.nisra.gov.uk/publications/registrar-general-annual-report-2020-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 2020

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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
2020	317	210	259	308	203	251	334	228	278	403	274	332	308	207	252

Notes: For 1969 to 2003 ICD-10 codes I00-I99 only. For 2004 onwards 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.

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

Table 1.4 Age-standardised death rates per 100,000 from all heart and circulatory diseases, under 75, United Kingdom and England, Wales, Scotland, Northern Ireland, 1969 to 2020

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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
2020	110	48	79	107	46	76	125	59	91	139	64	100	104	46	75

Notes: For 1969 to 2003 ICD-10 codes I00-I99 only. For 2004 onwards 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.

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

Table 1.5 Age-standardised death rates per 100,000 from coronary heart disease (CHD), all ages, United Kingdom and England, Wales, Scotland, Northern Ireland, 1971 to 2020

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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
2020	144	61	99	140	59	95	154	68	107	182	82	126	143	66	99

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

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

Table 1.6 Age-standardised death rates per 100,000 from coronary heart disease (CHD), under 75,United Kingdom and England, Wales, Scotland, Northern Ireland, 1969 to 2020

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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
2020	64	19	41	62	18	39	72	23	47	81	25	52	60	17	38

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

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

Table 1.7 Age-standardised death rates per 100,000 from stroke (CBVD), all ages, United Kingdom and England, Wales, Scotland, Northern Ireland, 1969 to 2020

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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
2020	55	51	53	53	48	51	58	56	57	78	73	75	56	50	53

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

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

Table 1.8 Age-standardised death rates per 100,000 from stroke (CBVD), under 75, United Kingdom and England, Wales, Scotland, Northern Ireland, 1969 to 2020

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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
2020	15	11	13	15	11	13	16	12	14	21	15	18	16	11	14

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

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

Table 1.9 Number of deaths from all heart and circulatory diseases, all ages, United Kingdom and England, Wales, Scotland, Northern Ireland, 1961 to 2020

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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
2020	87,790	80,529	168,319	71,704	65,448	137,152	4,881	4,459	9,340	8,928	8,520	17,448	2,100	2,002	4,102

Notes:

For 1969 to 2003 ICD-10 codes I00-I99 only. For 2004 onwards 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

Table 1.10 Number of deaths from all heart and circulatory diseases, under 75, United Kingdom and England, Wales, Scotland, Northern Ireland, 1961 to 2020

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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
2020	31,862	14,765	46,627	25,656	11,717	37,373	1,838	926	2,764	3,446	1,702	5,148	804	375	1,179

Notes:

For 1969 to 2003 ICD-10 codes I00-I99 only. For 2004 onwards 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

Table 1.11 Number of deaths from coronary heart disease (CHD), all ages, United Kingdom and England, Wales, Scotland, Northern Ireland, 1961 to 2020

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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
2020	41,117	23,053	64,170	33,512	18,554	52,066	2,310	1,312	3,622	4,202	2,525	6,727	1,010	626	1,636

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.

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

Table 1.12 Number of deaths from coronary heart disease (CHD), under 75,United Kingdom and England, Wales, Scotland, Northern Ireland, 1961 to 2020

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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
2020	18,335	5,705	24,040	14,757	4,505	19,262	1,056	361	1,417	1,999	678	2,677	461	141	602

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.

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

Table 1.13 Number of deaths from stroke (CBVD), all ages, United Kingdom and England, Wales, Scotland, Northern Ireland, 1961 to 2020

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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
2020	15,095	19,423	34,518	12,184	15,563	27,747	830	1,102	1,932	1,674	2,253	3,927	375	479	854

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

Table 1.14 Number of deaths from stroke (CBVD), under 75, United Kingdom and England, Wales, Scotland, Northern Ireland, 1961 to 2020

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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
2020	4,417	3,392	7,809	3,508	2,694	6,202	241	189	430	522	402	924	121	93	214

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 CVD by sex and age, England 2010/2011 to 2020/21

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Cardiovascular disease		2010/11		2011/12		2012/13		2013/14		2014/15		2015/16		2016/17		2017/18		2018/19		*2019/20 including COVID-19*		*2019/20 - excluding COVID-19*		*2020/21 - including COVID-19 (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	Excess winter mortality	Excess winter mortality index
Persons	0-74	1,540	13.6	1,240	11.6	1,550	14.4	680	6.4	1,690	15.8	1,500	13.9	1,320	12.2	2,600	24.3	1,260	11.8	1,300	11.5	1,390	12.5	1,200	10.3
	75-79	940	16.5	780	14.7	810	15.2	510	10.1	1,080	21.3	690	14.2	830	17.6	1,340	29.4	550	12	730	15.2	790	16.7	500	9.3
	80-84	1,180	14.4	1,170	15.1	1,500	19.6	830	11.6	1,520	21.1	780	11.1	1,240	18.5	1,800	27.5	870	13.4	880	13.7	960	15.2	500	8.4
	85-89	1,400	14.6	1,710	19.7	1,830	21.1	1,150	14	2,290	27.7	1,020	12.4	1,590	20	2,090	26.9	960	12.7	1,210	16	1,300	17.5	800	11
	90+	1,280	14.1	1,800	20	2,020	21.1	1,150	12.6	2,800	30.1	1,310	14.2	2,210	24.8	2,720	30.9	1,330	15.4	1,090	11.8	1,190	13	1,100	12.5
	All ages	6,350	14.4	6,710	16.2	7,710	18.4	4,320	10.8	9,380	23.1	5,300	13.2	7,190	18.3	10,540	27.5	4,970	13.1	5,210	13.3	5,620	14.5	4,100	10.5
Male	0-74	1,040	13.4	820	11.2	1,010	13.8	320	4.3	1,050	14.3	1,040	14.2	900	12.2	1,790	24.3	870	12	880	11.4	940	12.4	800	10.2
	75-79	520	16.3	490	16.4	580	19.4	230	7.8	580	19.4	430	14.8	500	17.9	660	24.5	330	12.1	410	14.4	450	16.2	300	10.1
	80-84	680	16.8	500	12.8	630	16	420	11.1	770	20.4	290	7.7	710	20.3	1,030	29.4	510	14.7	460	13.3	500	14.8	300	9
	85-89	520	13	690	18.9	780	21	560	15.8	910	24.6	550	15.1	690	18.9	1,090	30.7	430	12.2	620	17.4	660	19	300	8.3
	90+	470	17.7	610	23	580	19.8	400	14.1	880	29.9	510	17.1	740	25.1	970	32.1	500	16.7	500	15.5	530	16.7	400	11.9
	All ages	3,230	14.9	3,110	15.2	3,580	17.1	1,920	9.4	4,180	20.2	2,820	13.7	3,540	17.4	5,530	27.5	2,650	13.2	2,870	13.8	3,100	15.1	2,100	9.9
Female	0-74	500	14	430	12.5	540	15.5	360	11	650	19.1	450	13.1	420	12.1	810	24.2	390	11.5	420	11.8	450	12.6	400	10.5
	75-79	420	16.9	290	12.5	220	9.8	280	13.5	500	24.1	260	13.2	340	17.2	680	36.4	210	11.8	320	16.2	330	17.4	200	8.2
	80-84	510	12	680	17.4	870	23.4	420	12.1	750	21.7	490	15.1	530	16.5	770	25.2	360	12	420	14.1	460	15.5	200	7.7
	85-89	880	15.7	1,020	20.3	1,050	21.2	590	12.6	1,380	30.2	480	10.4	900	20.9	1,000	23.7	530	13.2	590	14.8	640	16.1	500	13.6
	90+	820	12.6	1,190	18.8	1,450	21.7	750	12	1,920	30.2	800	12.8	1,460	24.6	1,750	30.2	830	14.7	590	9.9	660	11.1	700	12.8
	All ages	3,120	14	3,590	17.2	4,130	19.6	2,400	12.1	5,200	26.2	2,480	12.7	3,650	19.3	5,010	27.4	2,320	13	2,340	12.7	2,530	13.8	2,000	11.2

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

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

(P) figures for 2020/21 are preliminary ICD-10 codes for CVD I00-I99

* 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.

Figures excluding COVID-19 have been calculated using all cause deaths that did not have COVID-19 mentioned on the death certificate. Alternatively, figures including COVID-19 have been calculated using deaths from all causes including those that had COVID-19 mentioned on the death certificate.

Source: Office for National Statistics (2021) https://www.ons.gov.uk/peoplepopulationandcommunity/birthsdeathsandmarriages/deaths/bulletins/excesswintermortalityinenglandandwales/previousReleases

Table 1.16 Excess winter mortality for CVD and CHD by sex and age, Wales 2010/2011 to 2020/21

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Cardiovascular disease		2010/11		2011/12		2012/13		2013/14		2014/15		2015/16		2016/17		2017/18		2018/19		*2019/20 - including COVID-19*		*2019/20 - excluding COVID-19*		2020/21 - including COVID-19 (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	Excess winter mortality	Excess winter mortality index
Persons	**0-74**	140	17.5	70	9.3	150	18.7	120	15.9	200	26.7	170	22.1	100	12.1	180	22.1	60	7	110	13.7	120	14.6	100	8.5
	75-79	60	13.8	30	7.6	40	9.6	40	9.3	90	24.9	40	10.8	50	14.9	110	32.4	30	8.4	70	21.3	80	22.4	*	N/A
	80-84	110	19.4	90	17.5	120	20.7	60	13.2	110	23	100	22.6	40	8.9	150	34.1	30	7	110	24.9	120	27.4	100	17.2
	85-89	50	7.4	90	15.2	160	26.4	70	11.4	90	14.8	50	9.4	90	18.5	140	26.8	20	3.9	60	11.5	70	13.7	100	18.3
	90+	160	26.4	150	25.7	120	18.8	80	14	100	15.6	140	24.2	60	10.1	210	38.6	30	6.2	60	11.3	70	12.3	100	13.5
	All ages	510	16.9	440	15.1	580	19.5	370	13.2	600	20.9	510	18.6	340	12.7	780	29.7	170	6.4	420	15.6	450	17.1	300	12.1
Male	**0-74**	100	19.7	60	11.2	90	16.5	70	13.2	140	27	90	17.5	60	10.3	120	21.5	60	10.8	60	11	70	11.7	100	10.8
	75-79	50	22.5	10	3.9	40	18.8	30	12.8	60	28.9	40	17	30	13.2	80	40.6	40	22.1	60	29.2	60	30.3	*	N/A
	80-84	30	11.7	20	6.5	60	20.1	10	3.8	50	19.7	40	19.4	20	8.6	80	32.8	10	2.7	80	32.4	80	35.2	*	N/A
	85-89	0	N/A	40	14.3	80	31.3	40	16.1	40	15.3	10	3.1	100	48.5	80	31.4	20	6.8	50	19.4	50	21.1	*	N/A
	90+	60	34.7	60	37.2	50	26.5	20	12.7	30	18.4	40	24.4	20	9.2	80	51.6	10	2.7	30	14.8	30	15.2	*	N/A
	All ages	240	16.2	180	12.5	320	21.4	170	11.9	330	22.8	230	16.1	220	15.8	440	31.3	130	9.1	270	19	290	20.2	200	10.6
Female	**0-74**	40	13.3	20	5.6	60	23.4	50	21.6	70	26	80	31.5	40	16.1	60	23.6	0	N/A	50	19.4	50	20.5	*	N/A
	75-79	10	2.8	20	13	0	N/A	10	4.5	30	18.9	0	N/A	20	17.4	30	20.4	-10	N/A	20	11.7	20	12.8	*	N/A
	80-84	70	28	70	30.3	60	21.5	50	24.5	60	26.3	60	25.8	20	9.3	70	35.7	30	12.3	30	16	40	18.1	*	N/A
	85-89	50	13.9	50	16	80	22.9	30	7.8	50	14.3	40	14.4	-10	N/A	60	22.6	0	N/A	10	4.2	20	6.8	100	26.1
	90+	100	23.2	90	21.5	70	15.7	60	14.5	70	14.4	100	24.1	40	10.5	120	33.2	30	8.1	30	9.5	40	10.9	*	N/A
	All ages	270	17.6	260	17.8	270	17.6	200	14.5	270	19	280	21.1	120	9.2	340	27.9	40	3.4	150	11.8	170	13.5	200	13.9

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

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

(P) figures for 2020/21 are preliminary ICD-10 codes for CVD I00-I99

* 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.

Figures excluding COVID-19 have been calculated using all cause deaths that did not have COVID-19 mentioned on the death certificate. Alternatively, figures including COVID-19 have been calculated using deaths from all causes including those that had COVID-19 mentioned on the death certificate.

Source: Office for National Statistics (2021) https://www.ons.gov.uk/peoplepopulationandcommunity/birthsdeathsandmarriages/deaths/bulletins/excesswintermortalityinenglandandwales/previousReleases

Table 1.17 Excess winter mortality for CVD and CHD by sex and age, Scotland 2009/2010 to 2020/21

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Cardiovascular disease		2009/10		2010/11		2011/12		2012/13		2013/14		2014/15		2015/16		2016/17		2017/18		2018/19		2019/20		2020/21(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	Excess winter mortality	Excess winter mortality index
Persons	0-64	140	20	60	8	40	6	-10	.	30	5	40	6	120	18	140	22	60	9	80	13	30	5	80	11
	65-74	190	22	130	15	30	4	40	5	60	8	150	18	160	19	90	10	140	15	80	10	140	17	80	9
	75-84	370	21	340	20	190	12	180	11	160	10	390	25	230	16	240	16	400	27	200	14	100	6	170	12
	85+	330	18	270	14	80	4	280	15	250	14	540	29	260	14	360	20	490	28	240	14	280	15	280	16
	All ages	**1,030**	**20**	**800**	**15**	**350**	**7**	**490**	**9**	**510**	**11**	**1,120**	**23**	**760**	**16**	**820**	**17**	**1,090**	**23**	**600**	**13**	**550**	**11**	**620**	**13**

Coronary heart disease		2009/10		2010/11		2011/12		2012/13		2013/14		2014/15		2015/16		2016/17		2017/18		2018/19		2019/20		2020/21(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	Excess winter mortality	Excess winter mortality index
Persons	0-64	90	22	30	7	40	9	0	1	20	6	20	5	60	16	80	22	20	4	30	9	10	3	40	11
	65-74	130	25	40	8	40	7	30	6	60	14	90	19	70	16	40	9	40	8	40	9	70	16	30	6
	75-84	190	22	150	18	90	11	60	8	90	12	190	26	90	14	90	12	190	29	110	17	50	7	90	13
	85+	140	18	50	6	20	3	90	12	60	8	170	23	120	17	130	21	160	26	120	19	90	14	50	7
	All ages	**550**	**22**	**270**	**11**	**180**	**7**	**190**	**8**	**220**	**10**	**460**	**21**	**340**	**16**	**330**	**16**	**410**	**19**	**300**	**15**	**220**	**10**	**210**	**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. [P] provisional figures; revisions are very likely
ICD-10 codes for CVD I00-I99; CHD I20-I25.

Source: National Records of Scotland, Personal Communication (2022)

Table 1.18 Excess winter mortality for CVD by sex and age, Northern Ireland 2011/12 to 2020/21

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Cardiovascular disease		2011/12		2012/13		2013/14		2014/15		2015/16		2016/17		2017/18		2018/19		2019/20		2020/21	
		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
Persons	0-64	-9	-5.2	25	16.2	14	8.4	24	15.5	4	2.2	19	12.1	34	21.7	-6	-3.4	14	8.2	45	29.2
	65-74	15	7.8	20	9.9	9	4.9	41	22.2	50	26.5	63	35.0	49	26.3	12	6.4	30	17.2	1	0.5
	75-84	42	10.3	97	24.6	82	22.8	80	21.9	0	0.0	65	19.0	127	37.7	17	4.6	61	17.5	19	5.4
	85+	83	16.4	112	21.9	79	16.9	102	21.0	81	17.4	112	23.8	181	38.9	40	8.7	72	14.6	19	3.9
	All ages	**132**	**10.4**	**254**	**20.1**	**184**	**15.7**	**247**	**20.7**	**134**	**11.4**	**258**	**22.5**	**390**	**34.2**	**62**	**5.4**	**177**	**14.9**	**84**	**7.0**
Men	0-64	3	3.8	22	8.7	2	0.0	2	25.6	3	10.2	14	31.1	30	31.9	-4	23.1	4	18.8	35	10.2
	65-74	5	10.5	12	35.7	0	14.6	30	30.7	13	10.9	37	14.3	37	29.9	27	3.5	21	23.4	13	4.0
	75-84	22	3.7	70	45.9	29	30.6	58	12.6	21	22.0	26	34.6	61	28.1	7	13.7	43	21.9	8	1.3
	85+	7	5.8	73	29.5	49	13.3	22	18.9	37	12.3	57	23.2	52	29.4	24	9.0	40	18.0	3	9.2
	All ages	**36**	**2.6**	**176**	**19.8**	**79**	**1.2**	**112**	**1.8**	**73**	**2.3**	**133**	**12.3**	**179**	**28.3**	**54**	**-3.1**	**108**	**3.3**	**58**	**33.0**
Women	0-64	-12	-23.7	3	7.0	13	27.5	22	52.4	1	2.0	5	11.4	4	7.2	-2	-4.2	10	20.4	10	20.8
	65-74	10	16.4	9	12.2	9	14.1	11	16.2	37	62.4	26	42.9	12	17.1	-15	-22.7	9	14.5	-12	-17.8
	75-84	21	10.0	27	13.6	54	32.7	23	12.6	-21	-11.6	39	24.2	66	49.6	10	5.9	19	11.0	11	7.1
	85+	77	23.1	39	11.0	30	9.7	80	25.7	44	14.8	56	18.1	129	46.1	16	5.5	32	10.4	17	5.6
	All ages	**96**	**14.8**	**78**	**11.7**	**105**	**18.1**	**135**	**22.6**	**61**	**10.5**	**125**	**21.9**	**211**	**39.6**	**8**	**1.4**	**70**	**11.8**	**26**	**4.6**

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.

Please note: the Northern Ireland Statistics Research Agency (NISRA), from whom this data is sourced, changed their methodology for excess winter mortality in 2021. Hence, the historic (pre-2020/21) data here differs notably to the data presented in previous editions of the Compendium. The change in methodology means that excess winter deaths for Northern Ireland are now based on the date of deaths rather than the date of death registrations.

Source:

Northern Ireland Statistics Research Agency (2022). Personal communication.

Table 1.19 Number of deaths and age-standardised death rates for all heart and circulatory diseases, all ages by region and nation, United Kingdom 2018/20

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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 2018/20			Average number of annual heart and circulatory disease deaths for 2018/20		
	Men	Women	Total	Men	Women	Total	Men	Women	Total
East Midlands	323.6	217.5	266.8	19,456	18,135	37,591	6,485	6,045	12,530
East of England	290.5	187.7	235.1	23,764	21,934	45,698	7,921	7,311	15,233
London	285.7	186.6	232.9	21,780	19,317	41,097	7,260	6,439	13,699
North East	336.1	216.9	271.3	11,298	10,050	21,348	3,766	3,350	7,116
North West	345.6	228.3	282.9	30,762	27,845	58,607	10,254	9,282	19,536
South East	281.7	188.5	231.9	33,587	32,959	66,546	11,196	10,986	22,182
South West	299.6	196.4	243.3	24,264	23,228	47,492	8,088	7,743	15,831
West Midlands	332.1	218.0	270.9	23,941	22,039	45,980	7,980	7,346	15,327
Yorkshire and the Humber	339.1	219.0	273.4	22,244	20,337	42,581	7,415	6,779	14,194
England	**313.7**	**204.6**	**251.9**	211,096	195,844	406,940	**70,365**	**65,281**	**135,647**
Wales	**345.8**	**227.7**	**279.9**	14,565	13,279	27,844	**4,855**	**4,426**	**9,281**
Scotland	**404.6**	**276.4**	**331.2**	25,895	25,510	51,405	**8,632**	**8,503**	**17,135**
Northern Ireland	**318.7**	**206.7**	**246.8**	6,175	5,878	12,053	**2,058**	**1,959**	**4,018**
UK	**322.7**	**211.8**	**259.8**	257,731	240,511	498,242	**85,910**	**80,170**	**166,081**

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

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

Table 1.20 Number of deaths and age-standardised death rates for all heart and circulatory diseases, under 75, by region and nation, United Kingdom 2018/20

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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 2018/20			Average number of annual premature heart and circulatory disease deaths for 2018/20		
	Men	Women	Total	Men	Women	Total	Men	Women	Total
East Midlands	104.1	48.2	75.8	6,809	3,284	10,093	2,270	1,095	3,364
East of England	91.4	38.6	64.4	7,559	3,402	10,961	2,520	1,134	3,654
London	101.7	42.6	71.5	8,736	3,878	12,614	2,912	1,293	4,205
North East	119.0	53.6	85.6	4,332	2,085	6,417	1,444	695	2,139
North West	124.6	56.5	90.1	11,921	5,669	17,590	3,974	1,890	5,863
South East	85.1	36.3	60.2	10,226	4,656	14,882	3,409	1,552	4,961
South West	88.9	38.6	63.1	7,149	3,317	10,466	2,383	1,106	3,489
West Midlands	115.0	50.1	82.0	8,597	3,933	12,530	2,866	1,311	4,177
Yorkshire and the Humber	113.9	51.8	82.4	8,140	3,886	12,026	2,713	1,295	4,009
England	**102.6**	**45.1**	**73.3**	73,469	34,110	107,579	**24,490**	**11,370**	**35,860**
Wales	**122.0**	**55.9**	**87.8**	5,334	2,606	7,940	**1,778**	**869**	**2,647**
Scotland	**131.8**	**61.7**	**95.1**	9,616	4,874	14,490	**3,205**	**1,625**	**4,830**
Northern Ireland	**100.1**	**45.4**	**71.5**	2,263	1,095	3,358	**754**	**365**	**1,119**
UK	**105.8**	**47.1**	**75.8**	90,682	42,685	133,367	**30,227**	**14,228**	**44,456**

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

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

Table 1.21 Number of deaths and age-standardised death rates for coronary heart disease (CHD), all ages, by region and nation, United Kingdom 2018/20

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	ALL AGES								
	Age standardised CHD death rates per 100,000 - 3 Year Average			Total number of CHD deaths 2018/20			Average number of annual CHD deaths for 2018/20		
	Men	Women	Total	Men	Women	Total	Men	Women	Total
East Midlands	147.3	62.2	100.7	9,172	5,108	14,280	3,057	1,703	4,760
East of England	129.2	53.4	87.3	10,744	6,098	16,842	3,581	2,033	5,614
London	130.7	53.6	88.2	10,142	5,436	15,578	3,381	1,812	5,193
North East	157.8	69.2	108.8	5,497	3,170	8,667	1,832	1,057	2,889
North West	163.5	73.1	113.9	15,037	8,746	23,783	5,012	2,915	7,928
South East	118.8	49.3	80.4	14,388	8,399	22,787	4,796	2,800	7,596
South West	133.0	54.8	89.5	10,959	6,331	17,290	3,653	2,110	5,763
West Midlands	155.4	66.9	106.8	11,536	6,597	18,133	3,845	2,199	6,044
Yorkshire and the Humber	165.9	72.4	113.9	11,203	6,633	17,836	3,734	2,211	5,945
England	**143.8**	**60.4**	**96.2**	98,678	56,518	155,196	**32,893**	**18,839**	**51,732**
Wales	**163.7**	**69.5**	**110.4**	7,040	3,980	11,020	**2,347**	**1,327**	**3,673**
Scotland	**182.7**	**84.1**	**125.9**	12,200	7,702	19,902	**4,067**	**2,567**	**6,634**
Northern Ireland	**148.1**	**63.9**	**98.4**	2,969	1,802	4,771	**990**	**601**	**1,590**
UK	**148.1**	**62.9**	**99.5**	120,887	70,002	190,889	**40,296**	**23,334**	**63,630**

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

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

Table 1.22 Number of deaths and age-standardised death rates for coronary heart disease (CHD), under 75, by region and nation, United Kingdom 2018/20

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	UNDER 75								
	Age standardised CHD death rates per 100,000 - 3 Year Average			Total number of premature CHD deaths 2018/20			Average number of annual premature CHD deaths for 2018/20		
	Men	Women	Total	Men	Women	Total	Men	Women	Total
East Midlands	60.8	17.6	38.8	3,975	1,197	5,172	1,325	399	1,724
East of England	50.7	14.3	32.0	4,189	1,258	5,447	1,396	419	1,816
London	56.1	15.4	35.2	4,735	1,365	6,100	1,578	455	2,033
North East	70.6	22.9	46.2	2,578	895	3,473	859	298	1,158
North West	75.2	23.9	49.1	7,184	2,403	9,587	2,395	801	3,196
South East	46.0	12.4	28.8	5,531	1,581	7,112	1,844	527	2,371
South West	50.5	13.7	31.6	4,073	1,188	5,261	1,358	396	1,754
West Midlands	69.0	21.0	44.5	5,146	1,645	6,791	1,715	548	2,264
Yorkshire and the Humber	67.8	21.4	44.2	4,843	1,609	6,452	1,614	536	2,151
England	**59.3**	**17.4**	**37.8**	42,254	13,141	55,395	**14,085**	**4,380**	**18,465**
Wales	**71.1**	**22.3**	**46.0**	3,124	1,042	4,166	**1,041**	**347**	**1,389**
Scotland	**77.1**	**25.4**	**50.3**	5,673	2,014	7,687	**1,891**	**671**	**2,562**
Northern Ireland	**57.4**	**18.0**	**37.2**	1,314	432	1,746	**438**	**144**	**582**
UK	**61.2**	**18.4**	**39.3**	52,365	16,629	68,994	**17,455**	**5,543**	**22,998**

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

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

Table 1.23 Number of deaths and age-standardised death rates for stroke (CBVD), all ages, by region and nation, United Kingdom 2018/20

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	ALL AGES								
	Age standardised stroke (CBVD) death rates per 100,000 - 3 Year Average			Total number of stroke (CBVD) deaths 2018/20			Average number of annual stroke (CBVD) deaths for 2018/20		
	Men	Women	Total	Men	Women	Total	Men	Women	Total
East Midlands	54.3	50.5	52.6	3,199	4,197	7,396	1,066	1,399	2,465
East of England	52.3	45.2	48.7	4,229	5,281	9,510	1,410	1,760	3,170
London	50.8	42.1	46.4	3,808	4,324	8,132	1,269	1,441	2,711
North East	66.5	56.9	61.5	2,172	2,648	4,820	724	883	1,607
North West	60.3	53.6	57.1	5,264	6,541	11,805	1,755	2,180	3,935
South East	51.3	46.9	49.4	6,065	8,168	14,233	2,022	2,723	4,744
South West	54.8	52.0	53.8	4,389	6,174	10,563	1,463	2,058	3,521
West Midlands	55.7	51.1	53.7	3,941	5,171	9,112	1,314	1,724	3,037
Yorkshire and the Humber	61.0	56.2	58.6	3,890	5,232	9,122	1,297	1,744	3,041
England	**56.4**	**49.9**	**52.4**	36,957	47,736	84,693	**12,319**	**15,912**	**28,231**
Wales	**61.0**	**57.2**	**59.4**	2,546	3,357	5,903	**849**	**1,119**	**1,968**
Scotland	**77.9**	**72.8**	**74.9**	4,785	6,719	11,504	**1,595**	**2,240**	**3,835**
Northern Ireland	**62.7**	**52.5**	**55.8**	1,149	1,490	2,639	**383**	**497**	**880**
UK	**58.5**	**52.2**	**54.6**	45,437	59,302	104,739	**15,146**	**19,767**	**34,913**

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

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

Table 1.24 Number of deaths and age-standardised death rates for stroke (CBVD), under 75, by region and nation, United Kingdom 2018/20

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	UNDER 75								
	Age standardised stroke (CBVD) death rates per 100,000 - 3 Year Average			Total number of premature stroke (CBVD) deaths 2018/20			Average number of annual premature stroke (CBVD) deaths for 2018/20		
	Men	Women	Total	Men	Women	Total	Men	Women	Total
East Midlands	12.9	11.3	12.1	846	773	1,619	282	258	540
East of England	12.7	8.6	10.6	1,052	760	1,812	351	253	604
London	15.9	10.3	13.1	1,347	935	2,282	449	312	761
North East	18.1	13.3	15.7	659	518	1,177	220	173	392
North West	18.2	13.1	15.6	1,738	1,312	3,050	579	437	1,017
South East	12.1	8.9	10.5	1,460	1,146	2,606	487	382	869
South West	12.1	9.0	10.5	981	775	1,756	327	258	585
West Midlands	15.1	11.1	13.1	1,127	869	1,996	376	290	665
Yorkshire and the Humber	15.3	12.6	14.0	1,098	942	2,040	366	314	680
England	**14.4**	**10.6**	**12.5**	10,308	8,030	18,338	**3,436**	**2,677**	**6,113**
Wales	**16.0**	**12.2**	**14.0**	703	571	1,274	**234**	**190**	**425**
Scotland	**19.4**	**14.7**	**17.0**	1,420	1,165	2,585	**473**	**388**	**862**
Northern Ireland	**14.4**	**11.2**	**12.7**	324	269	593	**108**	**90**	**198**
UK	**14.9**	**11.1**	**13.0**	12,755	10,035	22,790	**4,252**	**3,345**	**7,597**

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

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

Table 1.25 Age-standardised death rates per 100,000 and number of deaths for heart and circulatory diseases (CVD), all ages by local authority, United Kingdom 2018/20

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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 2018/20			Average number of annual deaths from all heart and circulatory diseases 2018/20			ASDR Rank (1 = highest death rate)		IMD - Rank of average rank (1= most deprived)
LA Code	LA/DC/UA	Ceremonial County (Eng/Wal)	Region/Nation	4N	Men	Women	Total	Men	Women	Total	Men	Women	Total	4N	UK-wide	4N
E06000055	Bedford	Bedfordshire	East of England	ENG	247.9	165.7	204.8	528	494	1,022	176	165	341	230	295	154
E06000056	Central Bedfordshire	Bedfordshire	East of England	ENG	241.8	156.9	197.7	849	677	1,526	283	226	509	249	314	258
E06000032	Luton	Bedfordshire	East of England	ENG	297.0	201.0	246.9	594	514	1,108	198	171	369	73	118	52
E06000036	Bracknell Forest	Berkshire	South East	ENG	245.2	121.4	175.4	299	196	495	100	65	165	298	363	276
E06000038	Reading	Berkshire	South East	ENG	240.4	192.9	218.2	367	372	739	122	124	246	172	234	138
E06000039	Slough	Berkshire	South East	ENG	339.6	202.5	263.4	375	285	660	125	95	220	33	66	72
E06000037	West Berkshire	Berkshire	South East	ENG	230.2	144.1	182.6	460	383	843	153	128	281	290	355	281
E06000040	Windsor and Maidenhead	Berkshire	South East	ENG	226.6	149.4	183.7	460	429	889	153	143	296	286	351	296
E06000041	Wokingham	Berkshire	South East	ENG	206.7	138.4	170.1	433	398	831	144	133	277	301	366	306
E06000023	Bristol, City of	Bristol	South West	ENG	273.4	168.2	214.9	1,136	1,002	2,138	379	334	713	187	249	81
E06000060	Buckinghamshire	Buckinghamshire	South East	ENG	237.1	150.8	189.3	1,636	1,544	3,180	545	515	1,060	276	341	284
E06000042	Milton Keynes	Buckinghamshire	South East	ENG	257.2	157.0	199.4	613	523	1,136	204	174	379	245	310	169
E07000008	Cambridge	Cambridgeshire	East of England	ENG	236.5	137.6	183.5	287	247	534	96	82	178	288	353	202
E07000009	East Cambridgeshire	Cambridgeshire	East of England	ENG	263.1	164.4	206.0	310	275	585	103	92	195	224	289	260
E07000010	Fenland	Cambridgeshire	East of England	ENG	317.7	191.8	246.9	487	407	894	162	136	298	72	117	51
E07000011	Huntingdonshire	Cambridgeshire	East of England	ENG	252.2	171.4	209.5	589	535	1,124	196	178	375	212	277	241
E06000031	Peterborough	Cambridgeshire	East of England	ENG	310.5	213.2	256.9	637	594	1,231	212	198	410	47	84	53
E07000012	South Cambridgeshire	Cambridgeshire	East of England	ENG	230.6	155.7	190.2	487	464	951	162	155	317	269	334	292
E06000049	Cheshire East	Cheshire	North West	ENG	276.0	171.4	219.4	1,618	1,395	3,013	539	465	1,004	166	228	224
E06000050	Cheshire West and Chester	Cheshire	North West	ENG	269.0	179.7	221.0	1,314	1,189	2,503	438	396	834	155	217	180
E06000006	Halton	Cheshire	North West	ENG	321.7	181.9	245.1	476	336	812	159	112	271	76	122	39
E06000007	Warrington	Cheshire	North West	ENG	312.5	188.6	243.5	797	642	1,439	266	214	480	84	132	172
E06000052	Cornwall	Cornwall	South West	ENG	309.5	200.4	248.8	2,736	2,488	5,224	912	829	1,741	68	112	82
E06000053	Isles of Scilly	Cornwall	South West	ENG	*	*	*	*	*	*	*	*	*			
E06000047	County Durham	County Durham	North East	ENG	315.2	215.9	262.4	2,190	1,950	4,140	730	650	1,380	37	70	65
E06000005	Darlington	County Durham	North East	ENG	286.7	212.1	246.5	412	422	834	137	141	278	74	119	102
E06000001	Hartlepool	County Durham	North East	ENG	327.5	189.2	250.4	387	309	696	129	103	232	62	105	25
E06000004	Stockton-on-Tees	County Durham	North East	ENG	293.2	197.6	241.9	707	620	1,327	236	207	442	90	140	111
E07000026	Allerdale	Cumbria	North West	ENG	304.9	189.2	241.0	474	405	879	158	135	293	94	144	107
E07000027	Barrow-in-Furness	Cumbria	North West	ENG	318.8	234.7	274.7	300	280	580	100	93	193	18	43	44
E07000028	Carlisle	Cumbria	North West	ENG	329.7	201.9	258.0	502	440	942	167	147	314	46	82	113
E07000029	Copeland	Cumbria	North West	ENG	339.9	206.6	266.6	340	264	604	113	88	201	31	64	77
E07000030	Eden	Cumbria	North West	ENG	281.9	156.6	208.2	251	202	453	84	67	151	215	280	166
E07000031	South Lakeland	Cumbria	North West	ENG	260.4	161.1	205.1	497	453	950	166	151	317	228	293	238
E07000032	Amber Valley	Derbyshire	East Midlands	ENG	299.3	177.6	231.0	530	438	968	177	146	323	124	179	164
E07000033	Bolsover	Derbyshire	East Midlands	ENG	313.3	236.4	271.9	314	322	636	105	107	212	21	48	58
E07000034	Chesterfield	Derbyshire	East Midlands	ENG	324.0	193.0	250.3	453	396	849	151	132	283	63	107	85
E06000015	Derby	Derbyshire	East Midlands	ENG	329.1	218.2	268.8	952	915	1,867	317	305	622	27	59	89
E07000035	Derbyshire Dales	Derbyshire	East Midlands	ENG	276.9	175.4	220.0	329	308	637	110	103	212	163	225	259
E07000036	Erewash	Derbyshire	East Midlands	ENG	283.0	192.9	233.9	444	428	872	148	143	291	114	167	165
E07000037	High Peak	Derbyshire	East Midlands	ENG	266.0	173.2	214.3	323	288	611	108	96	204	193	256	199
E07000038	North East Derbyshire	Derbyshire	East Midlands	ENG	264.6	198.4	230.2	428	392	820	143	131	273	127	182	174
E07000039	South Derbyshire	Derbyshire	East Midlands	ENG	304.7	175.5	231.5	367	287	654	122	96	218	121	176	214
E07000040	East Devon	Devon	South West	ENG	234.7	149.4	186.5	698	657	1,355	233	219	452	281	346	234
E07000041	Exeter	Devon	South West	ENG	296.0	154.1	212.2	396	359	755	132	120	252	204	268	190
E07000042	Mid Devon	Devon	South West	ENG	282.2	178.6	224.8	351	311	662	117	104	221	143	202	159
E07000043	North Devon	Devon	South West	ENG	312.9	188.7	241.5	494	427	921	165	142	307	92	142	121
E06000026	Plymouth	Devon	South West	ENG	288.8	205.0	244.4	943	900	1,843	314	300	614	78	125	71
E07000044	South Hams	Devon	South West	ENG	237.8	138.4	183.5	370	289	659	123	96	220	287	352	215
E07000045	Teignbridge	Devon	South West	ENG	276.7	161.1	213.0	626	565	1,191	209	188	397	200	264	183
E06000027	Torbay	Devon	South West	ENG	277.7	193.4	232.0	663	655	1,318	221	218	439	119	174	48
E07000046	Torridge	Devon	South West	ENG	329.1	218.7	268.1	384	348	732	128	116	244	28	60	67
E07000047	West Devon	Devon	South West	ENG	245.6	185.2	214.7	242	260	502	81	87	167	190	252	136
E06000058	Bournemouth, Christchurch and Poole	Dorset	South West	ENG	260.1	178.0	214.7	1,560	1,560	3,120	520	520	1,040	191	253	163
E06000059	Dorset	Dorset	South West	ENG	256.1	161.9	204.3	1,862	1,669	3,531	621	556	1,177	232	297	194
E06000043	Brighton and Hove	East Sussex	South East	ENG	271.4	181.9	224.2	770	729	1,499	257	243	500	145	204	137
E07000061	Eastbourne	East Sussex	South East	ENG	267.3	178.4	218.3	489	521	1,010	163	174	337	171	233	104
E07000062	Hastings	East Sussex	South East	ENG	376.5	302.5	340.2	466	560	1,026	155	187	342	1	2	13

Table 1.25 Age-standardised death rates per 100,000 and number of deaths for heart and circulatory diseases (CVD), all ages by local authority, United Kingdom 2018/20

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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 2018/20			Average number of annual deaths from all heart and circulatory diseases 2018/20			ASDR Rank (1 = highest death rate)		IMD - Rank of average rank (1= most deprived)
LA Code	LA/DC/UA	Ceremonial County (Eng/Wal)	Region/Nation	4N	Men	Women	Total	Men	Women	Total	Men	Women	Total	4N	UK-wide	4N
E07000063	Lewes	East Sussex	South East	ENG	238.3	163.6	199.6	427	469	896	142	156	299	244	309	191
E07000064	Rother	East Sussex	South East	ENG	304.3	227.8	262.5	619	743	1,362	206	248	454	36	69	132
E07000065	Wealden	East Sussex	South East	ENG	253.5	168.8	207.2	695	695	1,390	232	232	463	220	285	248
E07000066	Basildon	Essex	East of England	ENG	305.0	172.5	228.9	639	520	1,159	213	173	386	133	189	109
E07000067	Braintree	Essex	East of England	ENG	274.2	169.3	216.0	553	477	1,030	184	159	343	181	243	200
E07000068	Brentwood	Essex	East of England	ENG	270.1	137.6	196.6	297	232	529	99	77	176	253	318	279
E07000069	Castle Point	Essex	East of England	ENG	279.8	165.8	216.6	393	315	708	131	105	236	179	241	179
E07000070	Chelmsford	Essex	East of England	ENG	245.2	156.0	196.7	572	492	1,064	191	164	355	252	317	254
E07000071	Colchester	Essex	East of England	ENG	255.2	178.7	213.8	551	533	1,084	184	178	361	194	257	178
E07000072	Epping Forest	Essex	East of England	ENG	269.1	146.9	202.4	475	386	861	158	129	287	238	303	197
E07000073	Harlow	Essex	East of England	ENG	315.2	180.1	238.7	286	244	530	95	81	177	100	152	99
E07000074	Maldon	Essex	East of England	ENG	231.8	202.1	216.6	238	276	514	79	92	171	178	240	207
E07000075	Rochford	Essex	East of England	ENG	255.4	141.7	191.1	328	254	582	109	85	194	263	328	278
E06000033	Southend-on-Sea	Essex	East of England	ENG	300.2	176.6	232.7	727	623	1,350	242	208	450	118	172	126
E07000076	Tendring	Essex	East of England	ENG	300.8	197.1	244.2	835	759	1,594	278	253	531	79	126	32
E06000034	Thurrock	Essex	East of England	ENG	315.3	179.1	238.2	484	368	852	161	123	284	104	156	114
E07000077	Uttlesford	Essex	East of England	ENG	233.0	141.2	180.6	274	242	516	91	81	172	291	356	287
E07000078	Cheltenham	Gloucestershire	South West	ENG	268.8	188.7	225.0	423	435	858	141	145	286	140	198	233
E07000079	Cotswold	Gloucestershire	South West	ENG	230.9	155.0	190.1	352	337	689	117	112	230	271	336	266
E07000080	Forest of Dean	Gloucestershire	South West	ENG	273.0	176.1	217.9	352	317	669	117	106	223	174	236	140
E07000081	Gloucester	Gloucestershire	South West	ENG	326.6	173.6	239.6	473	359	832	158	120	277	96	147	135
E06000025	South Gloucestershire	Gloucestershire	South West	ENG	219.2	146.0	179.4	801	725	1,526	267	242	509	293	358	261
E07000082	Stroud	Gloucestershire	South West	ENG	273.0	170.1	215.5	450	390	840	150	130	280	185	247	272
E07000083	Tewkesbury	Gloucestershire	South West	ENG	279.0	136.6	197.0	368	265	633	123	88	211	250	315	255
E09000002	Barking and Dagenham	Greater London	London	ENG	329.0	196.0	254.6	492	402	894	164	134	298	52	89	5
E09000003	Barnet	Greater London	London	ENG	249.2	193.2	220.1	1,020	1,159	2,179	340	386	726	160	222	181
E09000004	Bexley	Greater London	London	ENG	277.2	165.3	213.2	764	725	1,489	255	242	496	199	262	187
E09000005	Brent	Greater London	London	ENG	287.0	193.4	238.1	854	738	1,592	285	246	531	106	158	49
E09000006	Bromley	Greater London	London	ENG	240.3	155.5	192.3	952	917	1,869	317	306	623	259	324	226
E09000007	Camden	Greater London	London	ENG	197.7	119.8	155.2	453	372	825	151	124	275	305	370	129
E09000001	City of London	Greater London	London	ENG	*	*	*	*	*	*	*	*	*			
E09000008	Croydon	Greater London	London	ENG	263.8	170.3	213.5	1,001	848	1,849	334	283	616	197	260	101
E09000009	Ealing	Greater London	London	ENG	258.1	165.1	209.2	839	674	1,513	280	225	504	214	279	87
E09000010	Enfield	Greater London	London	ENG	299.4	215.4	254.4	929	941	1,870	310	314	623	53	90	59
E09000011	Greenwich	Greater London	London	ENG	282.1	190.3	232.9	617	534	1,151	206	178	384	117	170	60
E09000012	Hackney	Greater London	London	ENG	273.4	172.3	220.6	472	332	804	157	111	268	157	219	7
E09000013	Hammersmith and Fulham	Greater London	London	ENG	285.9	173.9	222.2	403	324	727	134	108	242	148	209	95
E09000014	Haringey	Greater London	London	ENG	305.8	224.0	263.1	604	543	1,147	201	181	382	34	67	37
E09000015	Harrow	Greater London	London	ENG	257.2	202.5	229.2	748	770	1,518	249	257	506	132	188	196
E09000016	Havering	Greater London	London	ENG	275.7	165.5	210.9	843	812	1,655	281	271	552	207	271	176
E09000017	Hillingdon	Greater London	London	ENG	285.8	190.5	236.2	876	736	1,612	292	245	537	110	163	149
E09000018	Hounslow	Greater London	London	ENG	304.6	197.8	247.9	701	571	1,272	234	190	424	70	115	94
E09000019	Islington	Greater London	London	ENG	265.0	172.5	215.8	416	329	745	139	110	248	182	244	28
E09000020	Kensington and Chelsea	Greater London	London	ENG	183.6	108.8	144.2	336	232	568	112	77	189	307	372	120
E09000021	Kingston upon Thames	Greater London	London	ENG	264.6	155.8	204.1	444	393	837	148	131	279	234	299	264
E09000022	Lambeth	Greater London	London	ENG	298.2	164.4	224.4	623	429	1,052	208	143	351	144	203	42
E09000023	Lewisham	Greater London	London	ENG	296.1	195.7	241.1	634	557	1,191	211	186	397	93	143	35
E09000024	Merton	Greater London	London	ENG	274.4	166.3	213.4	491	420	911	164	140	304	198	261	210
E09000025	Newham	Greater London	London	ENG	292.7	179.9	233.0	638	434	1,072	213	145	357	116	169	12
E09000026	Redbridge	Greater London	London	ENG	260.4	148.6	199.9	740	550	1,290	247	183	430	243	308	158
E09000027	Richmond upon Thames	Greater London	London	ENG	235.9	129.5	174.0	485	404	889	162	135	296	299	364	289
E09000028	Southwark	Greater London	London	ENG	267.9	160.3	209.2	539	415	954	180	138	318	213	278	43
E09000029	Sutton	Greater London	London	ENG	246.4	160.1	198.7	538	500	1,038	179	167	346	246	311	223
E09000030	Tower Hamlets	Greater London	London	ENG	268.2	174.8	219.6	448	319	767	149	106	256	164	226	27
E09000031	Waltham Forest	Greater London	London	ENG	280.6	161.5	215.8	628	466	1,094	209	155	365	183	245	45
E09000032	Wandsworth	Greater London	London	ENG	268.2	178.4	219.4	593	521	1,114	198	174	371	165	227	170
E09000033	Westminster	Greater London	London	ENG	180.8	120.9	149.6	454	347	801	151	116	267	306	371	131
E08000001	Bolton	Greater Manchester	North West	ENG	314.7	204.5	255.5	1,048	850	1,898	349	283	633	50	87	47

Table 1.25 Age-standardised death rates per 100,000 and number of deaths for heart and circulatory diseases (CVD), all ages by local authority, United Kingdom 2018/20

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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 2018/20			Average number of annual deaths from all heart and circulatory diseases 2018/20			ASDR Rank (1 = highest death rate)		IMD - Rank of average rank (1= most deprived)
LA Code	LA/DC/UA	Ceremonial County (Eng/Wal)	Region/Nation	4N	Men	Women	Total	Men	Women	Total	Men	Women	Total	4N	UK-wide	4N
E08000002	Bury	Greater Manchester	North West	ENG	258.4	180.3	217.6	602	551	1,153	201	184	384	176	238	108
E08000003	Manchester	Greater Manchester	North West	ENG	391.2	240.1	308.0	1,420	1,139	2,559	473	380	853	4	14	2
E08000004	Oldham	Greater Manchester	North West	ENG	319.2	216.3	265.5	829	717	1,546	276	239	515	32	65	29
E08000005	Rochdale	Greater Manchester	North West	ENG	325.6	220.0	269.7	798	699	1,497	266	233	499	24	55	17
E08000006	Salford	Greater Manchester	North West	ENG	316.3	197.3	252.3	807	644	1,451	269	215	484	57	98	20
E08000007	Stockport	Greater Manchester	North West	ENG	284.8	180.8	229.2	1,138	987	2,125	379	329	708	131	187	152
E08000008	Tameside	Greater Manchester	North West	ENG	358.2	243.0	297.5	938	796	1,734	313	265	578	6	17	23
E08000009	Trafford	Greater Manchester	North West	ENG	279.5	183.2	227.7	800	749	1,549	267	250	516	135	191	205
E08000010	Wigan	Greater Manchester	North West	ENG	323.0	202.8	258.4	1,307	997	2,304	436	332	768	44	80	96
E07000084	Basingstoke and Deane	Hampshire	South East	ENG	260.5	180.5	217.7	536	475	1,011	179	158	337	175	237	240
E07000085	East Hampshire	Hampshire	South East	ENG	226.3	162.5	190.8	430	458	888	143	153	296	264	329	277
E07000086	Eastleigh	Hampshire	South East	ENG	245.7	161.3	198.5	434	401	835	145	134	278	247	312	280
E07000087	Fareham	Hampshire	South East	ENG	249.5	169.9	204.0	457	448	905	152	149	302	235	300	290
E07000088	Gosport	Hampshire	South East	ENG	302.5	194.0	244.1	349	303	652	116	101	217	80	127	127
E07000089	Hart	Hampshire	South East	ENG	205.7	134.2	166.3	263	245	508	88	82	169	303	368	307
E07000090	Havant	Hampshire	South East	ENG	265.5	173.3	214.9	533	490	1,023	178	163	341	188	250	130
E07000091	New Forest	Hampshire	South East	ENG	228.9	150.8	186.1	836	839	1,675	279	280	558	283	348	237
E06000044	Portsmouth	Hampshire	South East	ENG	338.9	211.3	269.6	713	616	1,329	238	205	443	25	56	57
E07000092	Rushmoor	Hampshire	South East	ENG	275.5	174.8	219.3	262	224	486	87	75	162	167	229	193
E06000045	Southampton	Hampshire	South East	ENG	291.5	195.9	238.9	668	637	1,305	223	212	435	99	151	55
E07000093	Test Valley	Hampshire	South East	ENG	247.3	169.3	205.4	443	437	880	148	146	293	226	291	256
E07000094	Winchester	Hampshire	South East	ENG	236.4	151.3	189.4	434	420	854	145	140	285	275	340	285
E06000019	Herefordshire, County of	Herefordshire	West Midlands	ENG	301.2	206.0	249.4	931	877	1,808	310	292	603	67	111	134
E07000095	Broxbourne	Hertfordshire	East of England	ENG	298.9	179.1	231.4	345	294	639	115	98	213	122	177	151
E07000096	Dacorum	Hertfordshire	East of England	ENG	231.3	154.5	189.6	427	425	852	142	142	284	274	339	236
E07000242	East Hertfordshire	Hertfordshire	East of England	ENG	247.8	141.8	189.9	460	369	829	153	123	276	272	337	299
E07000098	Hertsmere	Hertfordshire	East of England	ENG	264.4	159.2	205.3	347	318	665	116	106	222	227	292	220
E07000099	North Hertfordshire	Hertfordshire	East of England	ENG	271.5	154.9	205.7	468	398	866	156	133	289	225	290	263
E07000240	St Albans	Hertfordshire	East of England	ENG	208.6	143.5	173.3	379	376	755	126	125	252	300	365	298
E07000243	Stevenage	Hertfordshire	East of England	ENG	271.5	177.5	220.3	252	246	498	84	82	166	159	221	115
E07000102	Three Rivers	Hertfordshire	East of England	ENG	248.3	144.7	191.9	297	252	549	99	84	183	261	326	283
E07000103	Watford	Hertfordshire	East of England	ENG	255.1	177.2	212.4	227	227	454	76	76	151	203	267	192
E07000241	Welwyn Hatfield	Hertfordshire	East of England	ENG	268.8	158.1	207.0	367	322	689	122	107	230	221	286	211
E06000046	Isle of Wight	Isle of Wight	South East	ENG	362.1	285.3	324.2	911	1,061	1,972	304	354	657	3	6	79
E07000105	Ashford	Kent	South East	ENG	258.5	167.1	209.8	425	379	804	142	126	268	211	276	150
E07000106	Canterbury	Kent	South East	ENG	271.7	165.2	213.6	598	572	1,170	199	191	390	196	259	182
E07000107	Dartford	Kent	South East	ENG	272.5	173.9	218.1	310	255	565	103	85	188	173	235	143
E07000108	Dover	Kent	South East	ENG	264.6	180.0	220.6	480	436	916	160	145	305	156	218	105
E07000112	Folkestone and Hythe (Shepway)	Kent	South East	ENG	269.9	185.5	225.6	491	477	968	164	159	323	138	196	83
E07000109	Gravesham	Kent	South East	ENG	268.3	169.5	214.7	345	286	631	115	95	210	189	251	117
E07000110	Maidstone	Kent	South East	ENG	261.1	162.1	206.7	558	496	1,054	186	165	351	223	288	185
E06000035	Medway	Kent	South East	ENG	300.7	179.3	233.6	858	683	1,541	286	228	514	115	168	97
E07000111	Sevenoaks	Kent	South East	ENG	230.7	151.2	187.3	401	380	781	134	127	260	279	344	247
E07000113	Swale	Kent	South East	ENG	312.7	177.5	235.7	554	427	981	185	142	327	111	164	69
E07000114	Thanet	Kent	South East	ENG	326.4	185.7	247.6	679	571	1,250	226	190	417	71	116	34
E07000115	Tonbridge and Malling	Kent	South East	ENG	281.6	144.7	203.8	455	325	780	152	108	260	236	301	232
E07000116	Tunbridge Wells	Kent	South East	ENG	231.9	158.7	192.8	380	390	770	127	130	257	258	323	267
E06000008	Blackburn with Darwen	Lancashire	North West	ENG	340.7	211.7	270.0	492	379	871	164	126	290	23	54	14
E06000009	Blackpool	Lancashire	North West	ENG	369.3	230.4	294.1	709	577	1,286	236	192	429	7	19	1
E07000117	Burnley	Lancashire	North West	ENG	310.9	215.3	258.7	339	310	649	113	103	216	42	78	11
E07000118	Chorley	Lancashire	North West	ENG	321.1	207.9	258.9	459	389	848	153	130	283	40	76	189
E07000119	Fylde	Lancashire	North West	ENG	263.5	183.7	220.1	381	389	770	127	130	257	161	223	195
E07000120	Hyndburn	Lancashire	North West	ENG	325.9	235.1	279.5	323	291	614	108	97	205	13	37	18
E07000121	Lancaster	Lancashire	North West	ENG	305.7	182.4	238.7	591	480	1,071	197	160	357	101	153	110
E07000122	Pendle	Lancashire	North West	ENG	319.0	204.2	256.8	364	289	653	121	96	218	48	85	36
E07000123	Preston	Lancashire	North West	ENG	341.2	207.2	269.6	502	387	889	167	129	296	26	57	46
E07000124	Ribble Valley	Lancashire	North West	ENG	251.1	174.0	210.5	241	229	470	80	76	157	208	272	274
E07000125	Rossendale	Lancashire	North West	ENG	296.9	215.1	255.5	261	238	499	87	79	166	51	88	90

Table 1.25 Age-standardised death rates per 100,000 and number of deaths for heart and circulatory diseases (CVD), all ages by local authority, United Kingdom 2018/20

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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 2018/20			Average number of annual deaths from all heart and circulatory diseases 2018/20			ASDR Rank (1 = highest death rate)		IMD - Rank of average rank (1= most deprived)
LA Code	LA/DC/UA	Ceremonial County (Eng/Wal)	Region/Nation	4N	Men	Women	Total	Men	Women	Total	Men	Women	Total	4N	UK-wide	4N
E07000126	South Ribble	Lancashire	North West	ENG	284.6	170.6	222.6	435	349	784	145	116	261	146	207	206
E07000127	West Lancashire	Lancashire	North West	ENG	313.4	201.6	253.4	508	455	963	169	152	321	55	94	175
E07000128	Wyre	Lancashire	North West	ENG	315.5	183.4	242.7	627	509	1,136	209	170	379	86	135	145
E07000129	Blaby	Leicestershire	East Midlands	ENG	235.4	137.6	178.6	301	260	561	100	87	187	297	362	273
E07000130	Charnwood	Leicestershire	East Midlands	ENG	277.0	166.1	215.7	611	501	1,112	204	167	371	184	246	239
E07000131	Harborough	Leicestershire	East Midlands	ENG	238.8	152.8	191.5	316	284	600	105	95	200	262	327	300
E07000132	Hinckley and Bosworth	Leicestershire	East Midlands	ENG	283.7	161.7	211.9	424	344	768	141	115	256	205	269	228
E06000016	Leicester	Leicestershire	East Midlands	ENG	344.5	222.4	278.9	1,037	899	1,936	346	300	645	14	38	22
E07000133	Melton	Leicestershire	East Midlands	ENG	293.7	176.2	227.9	222	176	398	74	59	133	134	190	242
E07000134	North West Leicestershire	Leicestershire	East Midlands	ENG	275.3	190.2	226.6	347	333	680	116	111	227	136	194	212
E07000135	Oadby and Wigston	Leicestershire	East Midlands	ENG	245.1	148.0	190.7	212	196	408	71	65	136	265	330	243
E07000136	Boston	Lincolnshire	East Midlands	ENG	345.3	211.9	271.8	325	277	602	108	92	201	22	49	84
E07000137	East Lindsey	Lincolnshire	East Midlands	ENG	332.7	224.3	274.3	893	744	1,637	298	248	546	19	44	30
E07000138	Lincoln	Lincolnshire	East Midlands	ENG	325.9	263.3	292.7	330	394	724	110	131	241	8	20	68
E06000012	North East Lincolnshire	Lincolnshire	Yorkshire & The Humber	ENG	346.2	202.5	267.0	749	609	1,358	250	203	453	30	62	66
E07000139	North Kesteven	Lincolnshire	East Midlands	ENG	302.8	207.1	249.9	530	475	1,005	177	158	335	65	109	262
E06000013	North Lincolnshire	Lincolnshire	Yorkshire & The Humber	ENG	311.3	192.7	244.0	712	623	1,335	237	208	445	81	128	118
E07000140	South Holland	Lincolnshire	East Midlands	ENG	297.4	183.1	236.6	464	370	834	155	123	278	109	162	141
E07000141	South Kesteven	Lincolnshire	East Midlands	ENG	295.9	177.2	229.6	615	519	1,134	205	173	378	129	185	230
E07000142	West Lindsey	Lincolnshire	East Midlands	ENG	339.5	197.7	260.3	495	369	864	165	123	288	39	73	144
E08000011	Knowsley	Merseyside	North West	ENG	329.0	219.6	267.8	570	516	1,086	190	172	362	29	61	3
E08000012	Liverpool	Merseyside	North West	ENG	324.2	199.8	256.2	1,617	1,291	2,908	539	430	969	49	86	4
E08000014	Sefton	Merseyside	North West	ENG	298.8	175.8	229.4	1,242	1,116	2,358	414	372	786	130	186	88
E08000013	St. Helens	Merseyside	North West	ENG	319.2	209.9	258.6	747	636	1,383	249	212	461	43	79	40
E08000015	Wirral	Merseyside	North West	ENG	286.7	177.5	225.6	1,307	1,157	2,464	436	386	821	139	197	76
E07000143	Breckland	Norfolk	East of England	ENG	281.7	176.2	221.8	643	570	1,213	214	190	404	151	212	124
E07000144	Broadland	Norfolk	East of England	ENG	273.3	157.7	208.1	597	509	1,106	199	170	369	216	281	251
E07000145	Great Yarmouth	Norfolk	East of England	ENG	336.3	179.5	249.6	532	381	913	177	127	304	66	110	24
E07000146	King's Lynn and West Norfolk	Norfolk	East of England	ENG	263.7	187.9	222.2	666	641	1,307	222	214	436	149	210	78
E07000147	North Norfolk	Norfolk	East of England	ENG	262.9	168.5	210.4	597	563	1,160	199	188	387	209	273	93
E07000148	Norwich	Norfolk	East of England	ENG	316.1	208.1	258.8	472	447	919	157	149	306	41	77	61
E07000149	South Norfolk	Norfolk	East of England	ENG	246.4	155.8	196.1	542	486	1,028	181	162	343	254	319	221
E06000061	North Northamptonshire	Northamptonshire	East Midlands	ENG	275.7	170.7	218.3	1,152	932	2,084	384	311	695	170	232	142
E06000062	West Northamptonshire	Northamptonshire	East Midlands	ENG	264.4	182.9	221.8	1,248	1,121	2,369	416	374	790	152	213	222
E06000057	Northumberland	Northumberland	North East	ENG	282.9	171.1	221.8	1,439	1,139	2,578	480	380	859	150	211	128
E07000170	Ashfield	Nottinghamshire	East Midlands	ENG	290.0	204.4	243.0	457	413	870	152	138	290	85	134	63
E07000171	Bassetlaw	Nottinghamshire	East Midlands	ENG	278.6	200.4	237.8	471	437	908	157	146	303	108	160	106
E07000172	Broxtowe	Nottinghamshire	East Midlands	ENG	289.1	182.4	230.1	458	388	846	153	129	282	128	183	219
E07000173	Gedling	Nottinghamshire	East Midlands	ENG	284.4	201.7	239.6	439	428	867	146	143	289	95	146	204
E07000174	Mansfield	Nottinghamshire	East Midlands	ENG	295.8	197.0	242.2	409	362	771	136	121	257	89	139	56
E07000175	Newark and Sherwood	Nottinghamshire	East Midlands	ENG	278.4	188.7	230.5	482	438	920	161	146	307	126	181	146
E06000018	Nottingham	Nottinghamshire	East Midlands	ENG	345.8	220.0	277.2	936	812	1,748	312	271	583	17	41	10
E07000176	Rushcliffe	Nottinghamshire	East Midlands	ENG	256.2	167.7	208.0	424	417	841	141	139	280	217	282	305
E07000177	Cherwell	Oxfordshire	South East	ENG	223.7	152.7	186.1	422	386	808	141	129	269	282	347	216
E07000178	Oxford	Oxfordshire	South East	ENG	241.3	157.5	196.8	330	311	641	110	104	214	251	316	186
E07000179	South Oxfordshire	Oxfordshire	South East	ENG	213.1	149.2	178.8	433	425	858	144	142	286	295	360	294
E07000180	Vale of White Horse	Oxfordshire	South East	ENG	234.6	140.1	183.1	444	368	812	148	123	271	289	354	297
E07000181	West Oxfordshire	Oxfordshire	South East	ENG	237.2	144.9	187.1	395	335	730	132	112	243	280	345	293
E06000017	Rutland	Rutland	East Midlands	ENG	249.2	162.1	197.8	160	149	309	53	50	103	248	313	295
E06000051	Shropshire	Shropshire	West Midlands	ENG	257.6	172.2	212.8	1,340	1,233	2,573	447	411	858	202	266	162
E06000020	Telford and Wrekin	Shropshire	West Midlands	ENG	300.1	208.4	252.1	607	521	1,128	202	174	376	58	99	98
E06000022	Bath and North East Somerset	Somerset	South West	ENG	262.9	151.5	201.2	650	554	1,204	217	185	401	241	306	268
E07000187	Mendip	Somerset	South West	ENG	258.1	147.9	195.7	456	373	829	152	124	276	255	320	167
E06000024	North Somerset	Somerset	South West	ENG	238.7	144.5	185.7	792	705	1,497	264	235	499	284	349	217
E07000188	Sedgemoor	Somerset	South West	ENG	280.8	173.9	221.1	534	462	996	178	154	332	154	216	119
E07000246	Somerset West and Taunton	Somerset	South West	ENG	260.8	173.1	211.9	692	685	1,377	231	228	459	206	270	139
E07000189	South Somerset	Somerset	South West	ENG	266.4	150.6	201.5	733	601	1,334	244	200	445	240	305	160
E07000192	Cannock Chase	Staffordshire	West Midlands	ENG	301.2	189.2	238.5	373	319	692	124	106	231	103	155	123

Table 1.25 Age-standardised death rates per 100,000 and number of deaths for heart and circulatory diseases (CVD), all ages by local authority, United Kingdom 2018/20

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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 2018/20			Average number of annual deaths from all heart and circulatory diseases 2018/20			ASDR Rank (1 = highest death rate)		IMD - Rank of average rank (1= most deprived)
LA Code	LA/DC/UA	Ceremonial County (Eng/Wal)	Region/Nation	4N	Men	Women	Total	Men	Women	Total	Men	Women	Total	4N	UK-wide	4N
E07000193	East Staffordshire	Staffordshire	West Midlands	ENG	297.1	181.8	235.2	446	381	827	149	127	276	112	165	155
E07000194	Lichfield	Staffordshire	West Midlands	ENG	276.9	172.4	220.1	436	364	800	145	121	267	162	224	244
E07000195	Newcastle-under-Lyme	Staffordshire	West Midlands	ENG	292.8	161.8	220.5	510	386	896	170	129	299	158	220	148
E07000196	South Staffordshire	Staffordshire	West Midlands	ENG	309.0	164.4	224.9	516	403	919	172	134	306	141	200	231
E07000197	Stafford	Staffordshire	West Midlands	ENG	276.2	163.9	214.5	558	431	989	186	144	330	192	254	229
E07000198	Staffordshire Moorlands	Staffordshire	West Midlands	ENG	276.8	193.0	231.3	424	391	815	141	130	272	123	178	201
E06000021	Stoke-on-Trent	Staffordshire	West Midlands	ENG	336.0	243.0	289.2	964	883	1,847	321	294	616	11	27	15
E07000199	Tamworth	Staffordshire	West Midlands	ENG	266.2	205.1	234.5	240	245	485	80	82	162	113	166	122
E07000200	Babergh	Suffolk	East of England	ENG	244.4	142.0	187.8	388	319	707	129	106	236	278	343	208
E07000244	East Suffolk	Suffolk	East of England	ENG	264.9	174.2	215.4	1,196	1,110	2,306	399	370	769	186	248	156
E07000202	Ipswich	Suffolk	East of England	ENG	263.8	170.1	212.9	429	374	803	143	125	268	201	265	70
E07000203	Mid Suffolk	Suffolk	East of England	ENG	254.4	166.4	206.8	412	367	779	137	122	260	222	287	225
E07000245	West Suffolk	Suffolk	East of England	ENG	247.6	167.3	204.2	640	599	1,239	213	200	413	233	298	173
E07000207	Elmbridge	Surrey	South East	ENG	225.2	158.8	190.3	413	454	867	138	151	289	267	332	302
E07000208	Epsom and Ewell	Surrey	South East	ENG	204.3	130.2	164.0	207	185	392	69	62	131	304	369	291
E07000209	Guildford	Surrey	South East	ENG	233.7	156.4	190.3	395	393	788	132	131	263	268	333	288
E07000210	Mole Valley	Surrey	South East	ENG	218.3	128.2	168.8	321	271	592	107	90	197	302	367	286
E07000211	Reigate and Banstead	Surrey	South East	ENG	248.5	166.6	204.3	471	488	959	157	163	320	231	296	270
E07000212	Runnymede	Surrey	South East	ENG	242.1	167.6	203.1	261	265	526	87	88	175	237	302	250
E07000213	Spelthorne	Surrey	South East	ENG	251.8	171.4	207.8	326	303	629	109	101	210	218	283	198
E07000214	Surrey Heath	Surrey	South East	ENG	233.3	152.7	190.4	281	276	557	94	92	186	266	331	301
E07000215	Tandridge	Surrey	South East	ENG	229.8	152.4	189.6	301	286	587	100	95	196	273	338	252
E07000216	Waverley	Surrey	South East	ENG	227.0	141.9	178.7	444	438	882	148	146	294	296	361	304
E07000217	Woking	Surrey	South East	ENG	237.8	174.8	205.0	302	311	613	101	104	204	229	294	275
E08000037	Gateshead	Tyne & Wear	North East	ENG	304.7	182.5	238.0	811	655	1,466	270	218	489	107	159	54
E08000021	Newcastle upon Tyne	Tyne & Wear	North East	ENG	304.1	182.3	238.6	935	745	1,680	312	248	560	102	154	73
E08000022	North Tyneside	Tyne & Wear	North East	ENG	310.6	198.3	246.2	808	762	1,570	269	254	523	75	120	125
E08000023	South Tyneside	Tyne & Wear	North East	ENG	349.3	197.0	260.6	662	548	1,210	221	183	403	38	72	26
E08000024	Sunderland	Tyne & Wear	North East	ENG	324.2	197.9	251.5	1,077	916	1,993	359	305	664	60	101	33
E07000218	North Warwickshire	Warwickshire	West Midlands	ENG	281.3	182.2	226.2	257	224	481	86	75	160	137	195	153
E07000219	Nuneaton and Bedworth	Warwickshire	West Midlands	ENG	357.0	215.4	278.9	552	450	1,002	184	150	334	15	39	100
E07000220	Rugby	Warwickshire	West Midlands	ENG	288.1	159.6	218.4	412	310	722	137	103	241	168	230	218
E07000221	Stratford-on-Avon	Warwickshire	West Midlands	ENG	255.4	144.4	192.0	554	449	1,003	185	150	334	260	325	253
E07000222	Warwick	Warwickshire	West Midlands	ENG	257.7	172.5	209.8	468	462	930	156	154	310	210	275	257
E08000025	Birmingham	West Midlands	West Midlands	ENG	318.7	196.0	251.4	3,378	2,828	6,206	1,126	943	2,069	61	102	6
E08000026	Coventry	West Midlands	West Midlands	ENG	315.9	194.8	251.9	1,112	915	2,027	371	305	676	59	100	80
E08000027	Dudley	West Midlands	West Midlands	ENG	312.1	211.3	258.2	1,331	1,242	2,573	444	414	858	45	81	103
E08000028	Sandwell	West Midlands	West Midlands	ENG	381.8	231.8	298.9	1,274	1,065	2,339	425	355	780	5	16	8
E08000029	Solihull	West Midlands	West Midlands	ENG	244.6	154.2	193.9	736	706	1,442	245	235	481	257	322	203
E08000030	Walsall	West Midlands	West Midlands	ENG	337.0	219.5	272.3	1,119	1,010	2,129	373	337	710	20	47	31
E08000031	Wolverhampton	West Midlands	West Midlands	ENG	360.8	231.2	292.7	1,117	958	2,075	372	319	692	9	21	19
E07000223	Adur	West Sussex	South East	ENG	263.5	181.8	218.4	264	252	516	88	84	172	169	231	161
E07000224	Arun	West Sussex	South East	ENG	277.9	167.1	216.5	824	748	1,572	275	249	524	180	242	147
E07000225	Chichester	West Sussex	South East	ENG	238.2	152.3	190.2	529	512	1,041	176	171	347	270	335	209
E07000226	Crawley	West Sussex	South East	ENG	291.7	164.4	221.6	314	252	566	105	84	189	153	214	133
E07000227	Horsham	West Sussex	South East	ENG	229.7	139.0	178.8	495	445	940	165	148	313	294	359	282
E07000228	Mid Sussex	West Sussex	South East	ENG	247.6	138.4	185.1	509	430	939	170	143	313	285	350	303
E07000229	Worthing	West Sussex	South East	ENG	277.5	181.4	224.9	462	497	959	154	166	320	142	201	171
E06000030	Swindon	Wiltshire	South West	ENG	296.2	191.0	239.1	729	617	1,346	243	206	449	98	150	168
E06000054	Wiltshire	Wiltshire	South West	ENG	274.5	172.8	216.9	1,911	1,755	3,666	637	585	1,222	177	239	227
E07000234	Bromsgrove	Worcestershire	West Midlands	ENG	225.0	140.4	179.4	344	325	669	115	108	223	292	357	265
E07000235	Malvern Hills	Worcestershire	West Midlands	ENG	256.6	179.0	213.7	382	379	761	127	126	254	195	258	184
E07000236	Redditch	Worcestershire	West Midlands	ENG	245.5	174.4	207.2	244	223	467	81	74	156	219	284	116
E07000237	Worcester	Worcestershire	West Midlands	ENG	311.6	186.9	242.7	357	307	664	119	102	221	87	136	157
E07000238	Wychavon	Worcestershire	West Midlands	ENG	236.7	149.2	188.5	506	430	936	169	143	312	277	342	188
E07000239	Wyre Forest	Worcestershire	West Midlands	ENG	299.6	184.5	238.1	478	398	876	159	133	292	105	157	112
E06000011	East Riding of Yorkshire	Yorkshire (East Riding)	Yorkshire & The Humber	ENG	297.2	197.4	241.7	1,617	1,510	3,127	539	503	1,042	91	141	213
E06000010	Kingston upon Hull, City of	Yorkshire (East Riding)	Yorkshire & The Humber	ENG	407.0	253.7	324.9	1,059	851	1,910	353	284	637	2	5	9

Table 1.25 Age-standardised death rates per 100,000 and number of deaths for heart and circulatory diseases (CVD), all ages by local authority, United Kingdom 2018/20

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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 2018/20			Average number of annual deaths from all heart and circulatory diseases 2018/20			ASDR Rank (1 = highest death rate)		IMD - Rank of average rank (1= most deprived)
LA Code	LA/DC/UA	Ceremonial County (Eng/Wal)	Region/Nation	4N	Men	Women	Total	Men	Women	Total	Men	Women	Total	4N	UK-wide	4N
E07000163	Craven	Yorkshire (North Yorkshire)	Yorkshire & The Humber	ENG	250.1	166.6	202.2	246	249	495	82	83	165	239	304	235
E07000164	Hambleton	Yorkshire (North Yorkshire)	Yorkshire & The Humber	ENG	231.8	165.5	194.1	340	348	688	113	116	229	256	321	249
E07000165	Harrogate	Yorkshire (North Yorkshire)	Yorkshire & The Humber	ENG	247.9	164.8	200.3	622	640	1,262	207	213	421	242	307	271
E06000002	Middlesbrough	Yorkshire (North Yorkshire)	North East	ENG	353.0	222.8	278.3	516	461	977	172	154	326	16	40	16
E06000003	Redcar and Cleveland	Yorkshire (North Yorkshire)	North East	ENG	320.1	183.1	243.7	630	485	1,115	210	162	372	82	129	62
E07000166	Richmondshire	Yorkshire (North Yorkshire)	Yorkshire & The Humber	ENG	273.3	182.1	222.5	201	173	374	67	58	125	147	208	245
E07000167	Ryedale	Yorkshire (North Yorkshire)	Yorkshire & The Humber	ENG	309.7	185.4	239.3	290	253	543	97	84	181	97	149	177
E07000168	Scarborough	Yorkshire (North Yorkshire)	Yorkshire & The Humber	ENG	342.9	245.6	289.9	615	648	1,263	205	216	421	10	26	74
E07000169	Selby	Yorkshire (North Yorkshire)	Yorkshire & The Humber	ENG	290.0	184.9	231.8	323	286	609	108	95	203	120	175	246
E06000014	York	Yorkshire (North Yorkshire)	Yorkshire & The Humber	ENG	292.5	184.8	230.9	732	703	1,435	244	234	478	125	180	269
E08000016	Barnsley	Yorkshire (South Yorkshire)	Yorkshire & The Humber	ENG	339.5	202.9	263.1	1,045	837	1,882	348	279	627	35	68	38
E08000017	Doncaster	Yorkshire (South Yorkshire)	Yorkshire & The Humber	ENG	319.1	198.2	253.3	1,250	1,035	2,285	417	345	762	56	95	41
E08000018	Rotherham	Yorkshire (South Yorkshire)	Yorkshire & The Humber	ENG	300.9	195.6	243.5	1,013	892	1,905	338	297	635	83	131	50
E08000019	Sheffield	Yorkshire (South Yorkshire)	Yorkshire & The Humber	ENG	312.9	197.7	250.2	2,023	1,736	3,759	674	579	1,253	64	108	92
E08000032	Bradford	Yorkshire (West Yorkshire)	Yorkshire & The Humber	ENG	363.3	223.7	286.5	1,958	1,671	3,629	653	557	1,210	12	31	21
E08000033	Calderdale	Yorkshire (West Yorkshire)	Yorkshire & The Humber	ENG	312.7	187.8	242.3	768	672	1,440	256	224	480	88	137	75
E08000034	Kirklees	Yorkshire (West Yorkshire)	Yorkshire & The Humber	ENG	306.0	210.5	253.6	1,534	1,452	2,986	511	484	995	54	92	86
E08000035	Leeds	Yorkshire (West Yorkshire)	Yorkshire & The Humber	ENG	305.9	196.7	245.1	2,453	2,223	4,676	818	741	1,559	77	123	91
E08000036	Wakefield	Yorkshire (West Yorkshire)	Yorkshire & The Humber	ENG	311.9	194.6	248.2	1,357	1,111	2,468	452	370	823	69	114	64
N09000001	Antrim and Newtownabbey		Northern Ireland	NI	304.9	174.0	232.4	458	380	838	153	127	279	7	173	10
N09000011	Ards and North Down		Northern Ireland	NI	261.4	187.6	214.4	543	526	1,069	181	175	356	11	255	9
N09000002	Armagh City, Banbridge and Craigavon		Northern Ireland	NI	309.3	182.3	239.5	651	540	1,191	217	180	397	6	148	7
N09000003	Belfast		Northern Ireland	NI	304.8	244.1	243.0	1,011	1,009	2,020	337	336	673	3	133	4
N09000004	Causeway Coast and Glens		Northern Ireland	NI	280.0	166.1	242.2	461	479	940	154	160	313	4	138	5
N09000005	Derry City and Strabane		Northern Ireland	NI	296.1	191.1	248.4	426	368	794	142	123	265	2	113	1
N09000006	Fermanagh and Omagh		Northern Ireland	NI	294.5	177.6	227.4	371	308	679	124	103	226	8	193	2
N09000007	Lisburn and Castlereagh		Northern Ireland	NI	266.7	204.9	221.1	426	432	858	142	144	286	10	215	11
N09000008	Mid and East Antrim		Northern Ireland	NI	295.9	195.3	240.5	488	462	950	163	154	317	5	145	8
N09000009	Mid Ulster		Northern Ireland	NI	306.6	191.3	251.2	422	390	812	141	130	271	1	103	6
N09000010	Newry, Mourne and Down		Northern Ireland	NI	280.4	195.2	224.1	509	441	950	170	147	317	9	205	3
S12000033	Aberdeen City		Scotland	SCO	364.5	241.5	295.2	852	819	1,671	284	273	557	11	18	26
S12000034	Aberdeenshire		Scotland	SCO	341.0	236.1	281.1	1,046	992	2,038	349	331	679	18	34	29
S12000041	Angus		Scotland	SCO	303.5	217.7	253.5	511	540	1,051	170	180	350	28	93	20
S12000035	Argyll and Bute		Scotland	SCO	344.2	241.6	291.5	472	443	915	157	148	305	13	23	15
S12000036	City of Edinburgh		Scotland	SCO	325.9	211.4	259.6	1,664	1,651	3,315	555	550	1,105	25	75	30
S12000005	Clackmannanshire		Scotland	SCO	360.7	267.0	309.8	235	217	452	78	72	151	8	12	8
S12000006	Dumfries and Galloway		Scotland	SCO	341.8	246.6	291.3	824	780	1,604	275	260	535	14	24	10
S12000042	Dundee City		Scotland	SCO	408.1	253.7	319.1	671	632	1,303	224	211	434	6	10	7
S12000008	East Ayrshire		Scotland	SCO	437.8	285.4	352.7	670	584	1,254	223	195	418	1	1	6
S12000045	East Dunbartonshire		Scotland	SCO	287.6	174.3	222.9	442	397	839	147	132	280	32	206	31
S12000010	East Lothian		Scotland	SCO	322.7	204.5	253.8	428	388	816	143	129	272	27	91	22
S12000011	East Renfrewshire		Scotland	SCO	284.5	186.1	227.7	343	358	701	114	119	234	31	192	32
S12000014	Falkirk		Scotland	SCO	374.8	277.9	322.6	730	711	1,441	243	237	480	5	8	16
S12000047	Fife		Scotland	SCO	353.9	234.6	287.0	1,695	1,541	3,236	565	514	1,079	15	30	14
S12000049	Glasgow City		Scotland	SCO	427.0	254.7	327.1	2,363	2,100	4,463	788	700	1,488	3	4	4
S12000017	Highland		Scotland	SCO	329.1	229.6	275.5	1,087	1,026	2,113	362	342	704	20	42	19
S12000018	Inverclyde		Scotland	SCO	411.0	257.0	318.5	407	393	800	136	131	267	7	11	3
S12000019	Midlothian		Scotland	SCO	327.2	229.8	270.9	334	322	656	111	107	219	23	51	18
S12000020	Moray		Scotland	SCO	319.7	237.7	273.5	424	424	848	141	141	283	21	45	23
S12000013	Na h-Eileanan Siar		Scotland	SCO	354.7	226.4	284.8	154	146	300	51	49	100	17	33	9
S12000021	North Ayrshire		Scotland	SCO	415.3	261.0	324.0	735	666	1,401	245	222	467	4	7	2
S12000050	North Lanarkshire		Scotland	SCO	389.8	246.5	307.2	1,413	1,211	2,624	471	404	875	10	15	5
S12000023	Orkney Islands		Scotland	SCO	326.9	205.4	257.6	109	90	199	36	30	66	26	83	25
S12000048	Perth and Kinross		Scotland	SCO	309.6	210.0	253.2	706	695	1,401	235	232	467	29	96	27
S12000038	Renfrewshire		Scotland	SCO	347.1	227.8	280.7	757	687	1,444	252	229	481	19	35	12
S12000026	Scottish Borders		Scotland	SCO	339.2	211.2	267.0	577	491	1,068	192	164	356	24	63	21
S12000027	Shetland Islands		Scotland	SCO	304.4	181.7	237.5	87	68	155	29	23	52	30	161	24
S12000028	South Ayrshire		Scotland	SCO	386.9	247.2	308.8	690	629	1,319	230	210	440	9	13	13

Table 1.25 Age-standardised death rates per 100,000 and number of deaths for heart and circulatory diseases (CVD), all ages by local authority, United Kingdom 2018/20

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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 2018/20			Average number of annual deaths from all heart and circulatory diseases 2018/20			ASDR Rank (1 = highest death rate)		IMD - Rank of average rank (1= most deprived)
LA Code	LA/DC/UA	Ceremonial County (Eng/Wal)	Region/Nation	4N	Men	Women	Total	Men	Women	Total	Men	Women	Total	4N	UK-wide	4N
S12000029	South Lanarkshire		Scotland	SCO	370.5	234.8	292.1	1,428	1,289	2,717	476	430	906	12	22	11
S12000030	Stirling		Scotland	SCO	348.8	239.6	286.2	394	388	782	131	129	261	16	32	28
S12000039	West Dunbartonshire		Scotland	SCO	419.5	274.3	337.3	422	396	818	141	132	273	2	3	1
S12000040	West Lothian		Scotland	SCO	329.2	227.3	271.4	623	554	1,177	208	185	392	22	50	17
W06000003	Conwy	Clwyd	Wales / Cymru	WAL	288.9	180.6	230.1	634	582	1,216	211	194	405	19	184	14
W06000004	Denbighshire / Sir Ddinbych	Clwyd	Wales / Cymru	WAL	344.1	238.2	290.2	524	428	952	175	143	317	2	25	9
W06000005	Flintshire / Sir y Fflint	Clwyd	Wales / Cymru	WAL	288.8	216.0	250.4	607	576	1,183	202	192	394	14	106	18
W06000006	Wrexham / Wrecsam	Clwyd	Wales / Cymru	WAL	315.9	225.6	270.7	594	511	1,105	198	170	368	7	52	16
W06000010	Carmarthenshire / Sir Gaerfyrddin	Dyfed	Wales / Cymru	WAL	325.5	205.0	260.2	956	789	1,745	319	263	582	11	74	10
W06000008	Ceredigion	Dyfed	Wales / Cymru	WAL	315.7	194.7	252.4	385	317	702	128	106	234	12	97	20
W06000009	Pembrokeshire / Sir Benfro	Dyfed	Wales / Cymru	WAL	286.5	209.2	246.0	611	597	1,208	204	199	403	15	121	13
W06000019	Blaenau Gwent	Gwent	Wales / Cymru	WAL	379.9	264.6	320.6	346	308	654	115	103	218	1	9	1
W06000018	Caerphilly / Caerffili	Gwent	Wales / Cymru	WAL	361.9	224.1	287.9	815	638	1,453	272	213	484	4	29	5
W06000021	Monmouthshire / Sir Fynwy	Gwent	Wales / Cymru	WAL	258.1	170.1	209.9	408	370	778	136	123	259	22	274	22
W06000022	Newport / Casnewydd	Gwent	Wales / Cymru	WAL	355.2	215.0	280.4	638	508	1,146	213	169	382	5	36	7
W06000020	Torfaen / Tor-faen	Gwent	Wales / Cymru	WAL	302.5	224.5	261.6	384	382	766	128	127	255	10	71	6
W06000002	Gwynedd	Gwynedd	Wales / Cymru	WAL	318.6	179.9	243.6	601	481	1,082	200	160	361	17	130	17
W06000001	Isle of Anglesey / Ynys Môn	Gwynedd	Wales / Cymru	WAL	307.1	196.5	245.1	352	315	667	117	105	222	16	124	11
W06000013	Bridgend / Pen-y-bont ar Ogwr	Mid Glamorgan / Morgannwg Ganol	Wales / Cymru	WAL	332.3	216.8	269.2	631	538	1,169	210	179	390	9	58	8
W06000024	Merthyr Tydfil / Merthyr Tudful	Mid Glamorgan / Morgannwg Ganol	Wales / Cymru	WAL	342.5	239.8	288.0	255	222	477	85	74	159	3	28	2
W06000016	Rhondda Cynon Taf / Rhondda Cynon Taf	Mid Glamorgan / Morgannwg Ganol	Wales / Cymru	WAL	329.4	219.5	270.2	993	859	1,852	331	286	617	8	53	4
W06000023	Powys	Powys	Wales / Cymru	WAL	283.9	189.9	232.8	664	609	1,273	221	203	424	18	171	21
W06000015	Cardiff / Caerdydd	South Glamorgan / De Morgannwg	Wales / Cymru	WAL	305.9	160.9	224.9	1,056	831	1,887	352	277	629	20	199	15
W06000014	Vale of Glamorgan / Bro Morgannwg	South Glamorgan / De Morgannwg	Wales / Cymru	WAL	267.2	172.5	213.0	458	437	895	153	146	298	21	263	19
W06000012	Neath Port Talbot / Castell-nedd Port Talbot	West Glamorgan / Gorllewin Morgannwg	Wales / Cymru	WAL	344.7	215.2	272.6	645	551	1,196	215	184	399	6	46	3
W06000011	Swansea / Abertawe	West Glamorgan / Gorllewin Morgannwg	Wales / Cymru	WAL	315.3	201.0	250.8	984	905	1,889	328	302	630	13	104	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 1.26 Age-standardised death rates per 100,000 and number of deaths for heart and circulatory diseases (CVD), under 75s by local authority, United Kingdom 2018/20

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					UNDER 75											
					Age standardised CVD death rates per 100,000 - 3 Year Average			*Total number of premature CVD deaths - 2018/20*			Average number of annual CVD deaths - 2018/20			ASDR Rank (1 = highest death rate)		IMD - Rank of average rank (1= most deprived)
LA Code	LA/DC/UA	Ceremonial County (Eng/Wal)	Region/Nation	4N	Men	Women	Total	*Men*	*Women*	*Total*	Men	Women	Total	4N	UK-wide	4N
E06000055	Bedford	Bedfordshire	East of England	ENG	97.5	36.8	66.5	*213*	*84*	*297*	71	28	99	166	219	154
E06000056	Central Bedfordshire	Bedfordshire	East of England	ENG	82.8	34.8	58.2	*311*	*138*	*449*	104	46	150	213	274	258
E06000032	Luton	Bedfordshire	East of England	ENG	121.8	58.6	89.7	*252*	*123*	*375*	84	41	125	45	68	52
E06000036	Bracknell Forest	Berkshire	South East	ENG	77.3	32.5	54.4	*111*	*48*	*159*	37	16	53	245	310	276
E06000038	Reading	Berkshire	South East	ENG	100.6	47.8	74.5	*164*	*75*	*239*	55	25	80	112	153	138
E06000039	Slough	Berkshire	South East	ENG	135.6	55.1	94.6	*181*	*76*	*257*	60	25	86	28	48	72
E06000037	West Berkshire	Berkshire	South East	ENG	75.5	31.1	52.8	*167*	*71*	*238*	56	24	79	256	321	281
E06000040	Windsor and Maidenhead	Berkshire	South East	ENG	63.8	35.6	49.4	*122*	*71*	*193*	41	24	64	280	345	296
E06000041	Wokingham	Berkshire	South East	ENG	68.6	32.6	50.2	*148*	*74*	*222*	49	25	74	274	339	306
E06000023	Bristol, City of	Bristol	South West	ENG	103.0	44.2	73.0	*448*	*201*	*649*	149	67	216	124	167	81
E06000060	Buckinghamshire	Buckinghamshire	South East	ENG	69.6	28.9	48.7	*484*	*213*	*697*	161	71	232	283	348	284
E06000042	Milton Keynes	Buckinghamshire	South East	ENG	86.1	42.1	63.2	*258*	*136*	*394*	86	45	131	183	240	169
E07000008	Cambridge	Cambridgeshire	East of England	ENG	90.9	32.3	56.4	*107*	*28*	*135*	36	9	45	224	288	202
E07000009	East Cambridgeshire	Cambridgeshire	East of England	ENG	75.5	37.9	56.1	*94*	*50*	*144*	31	17	48	226	290	260
E07000010	Fenland	Cambridgeshire	East of England	ENG	108.0	50.5	78.9	*163*	*79*	*242*	54	26	81	87	123	51
E07000011	Huntingdonshire	Cambridgeshire	East of England	ENG	79.3	25.5	52.1	*202*	*66*	*268*	67	22	89	260	325	241
E06000031	Peterborough	Cambridgeshire	East of England	ENG	113.5	58.4	85.4	*255*	*134*	*389*	85	45	130	59	85	53
E07000012	South Cambridgeshire	Cambridgeshire	East of England	ENG	57.8	25.8	41.5	*126*	*57*	*183*	42	19	61	305	370	292
E06000049	Cheshire East	Cheshire	North West	ENG	100.7	36.0	67.5	*577*	*223*	*800*	192	74	267	159	210	224
E06000050	Cheshire West and Chester	Cheshire	North West	ENG	102.7	39.9	70.3	*506*	*211*	*717*	169	70	239	139	188	180
E06000006	Halton	Cheshire	North West	ENG	127.0	46.4	85.6	*223*	*87*	*310*	74	29	103	58	84	39
E06000007	Warrington	Cheshire	North West	ENG	111.1	45.8	77.7	*313*	*136*	*449*	104	45	150	95	131	172
E06000052	Cornwall	Cornwall	South West	ENG	97.5	39.9	67.6	*888*	*398*	*1,286*	296	133	429	158	209	82
E06000053	Isles of Scilly	Cornwall	South West	ENG	*	*	*	-	-	-	-	-	-	n/a	n/a	
E06000047	County Durham	County Durham	North East	ENG	114.8	51.7	82.5	*870*	*415*	*1,285*	290	138	428	67	96	65
E06000005	Darlington	County Durham	North East	ENG	111.5	54.3	82.1	*163*	*85*	*248*	54	28	83	69	99	102
E06000001	Hartlepool	County Durham	North East	ENG	133.6	56.8	94.4	*170*	*74*	*244*	57	25	81	30	50	25
E06000004	Stockton-on-Tees	County Durham	North East	ENG	106.4	46.2	75.5	*278*	*126*	*404*	93	42	135	107	146	111
E07000026	Allerdale	Cumbria	North West	ENG	112.1	46.7	78.8	*176*	*76*	*252*	59	25	84	89	125	107
E07000027	Barrow-in-Furness	Cumbria	North West	ENG	121.4	61.0	90.7	*120*	*63*	*183*	40	21	61	41	64	44
E07000028	Carlisle	Cumbria	North West	ENG	110.7	52.8	81.2	*174*	*87*	*261*	58	29	87	75	106	113
E07000029	Copeland	Cumbria	North West	ENG	111.1	50.3	81.0	*122*	*53*	*175*	41	18	58	78	109	77
E07000030	Eden	Cumbria	North West	ENG	76.3	45.0	55.0	*72*	*31*	*103*	24	10	34	236	301	166
E07000031	South Lakeland	Cumbria	North West	ENG	88.3	33.4	60.1	*157*	*67*	*224*	52	22	75	203	264	238
E07000032	Amber Valley	Derbyshire	East Midlands	ENG	100.5	43.8	71.8	*199*	*89*	*288*	66	30	96	132	178	164
E07000033	Bolsover	Derbyshire	East Midlands	ENG	114.7	60.6	87.4	*134*	*72*	*206*	45	24	69	53	78	58
E07000034	Chesterfield	Derbyshire	East Midlands	ENG	115.5	45.5	79.9	*175*	*73*	*248*	58	24	83	84	116	85
E06000015	Derby	Derbyshire	East Midlands	ENG	130.7	56.3	92.5	*380*	*173*	*553*	127	58	184	35	58	89
E07000035	Derbyshire Dales	Derbyshire	East Midlands	ENG	82.6	29.2	53.4	*106*	*32*	*138*	35	11	46	251	316	259
E07000036	Erewash	Derbyshire	East Midlands	ENG	100.7	49.1	74.2	*162*	*82*	*244*	54	27	81	115	157	165
E07000037	High Peak	Derbyshire	East Midlands	ENG	82.0	39.2	60.5	*118*	*57*	*175*	39	19	58	197	256	199
E07000038	North East Derbyshire	Derbyshire	East Midlands	ENG	82.6	44.9	63.3	*134*	*78*	*212*	45	26	71	181	238	174
E07000039	South Derbyshire	Derbyshire	East Midlands	ENG	100.0	37.4	68.3	*147*	*56*	*203*	49	19	68	153	204	214
E07000040	East Devon	Devon	South West	ENG	66.7	34.8	49.9	*166*	*93*	*259*	55	31	86	276	341	234
E07000041	Exeter	Devon	South West	ENG	101.1	39.7	68.8	*135*	*59*	*194*	45	20	65	149	200	190
E07000042	Mid Devon	Devon	South West	ENG	71.2	38.8	54.8	*92*	*49*	*141*	31	16	47	240	305	159
E07000043	North Devon	Devon	South West	ENG	93.8	48.0	70.3	*143*	*80*	*223*	48	27	74	142	191	121
E06000026	Plymouth	Devon	South West	ENG	103.0	50.3	75.9	*337*	*175*	*512*	112	58	171	105	144	71
E07000044	South Hams	Devon	South West	ENG	70.6	20.6	43.0	*109*	*30*	*139*	36	10	46	300	365	215
E07000045	Teignbridge	Devon	South West	ENG	90.8	29.4	58.8	*204*	*73*	*277*	68	24	92	209	270	183

Table 1.26 Age-standardised death rates per 100,000 and number of deaths for heart and circulatory diseases (CVD), under 75s by local authority, United Kingdom 2018/20

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					UNDER 75											
					Age standardised CVD death rates per 100,000 - 3 Year Average			*Total number of premature CVD deaths - 2018/20*			Average number of annual CVD deaths - 2018/20			ASDR Rank (1 = highest death rate)		IMD - Rank of average rank (1= most deprived)
LA Code	LA/DC/UA	Ceremonial County (Eng/Wal)	Region/Nation	4N	Men	Women	Total	*Men*	*Women*	*Total*	Men	Women	Total	4N	UK-wide	4N
E06000027	Torbay	Devon	South West	ENG	94.2	49.8	71.1	*206*	*116*	*322*	69	39	107	137	186	48
E07000046	Torridge	Devon	South West	ENG	99.9	39.4	68.7	*120*	*50*	*170*	40	17	57	152	203	67
E07000047	West Devon	Devon	South West	ENG	84.5	40.1	61.7	*83*	*42*	*125*	28	14	42	191	250	136
E06000058	Bournemouth, Christchurch and Poole	Dorset	South West	ENG	81.9	40.0	60.4	*437*	*228*	*665*	146	76	222	198	257	163
E06000059	Dorset	Dorset	South West	ENG	80.5	27.9	53.3	*521*	*198*	*719*	174	66	240	253	318	194
E06000043	Brighton and Hove	East Sussex	South East	ENG	93.7	36.6	65.1	*285*	*110*	*395*	95	37	132	172	227	137
E07000061	Eastbourne	East Sussex	South East	ENG	84.9	36.6	59.5	*124*	*60*	*184*	41	20	61	204	265	104
E07000062	Hastings	East Sussex	South East	ENG	140.6	60.6	99.2	*183*	*86*	*269*	61	29	90	18	34	13
E07000063	Lewes	East Sussex	South East	ENG	85.7	29.1	56.1	*136*	*51*	*187*	45	17	62	225	289	191
E07000064	Rother	East Sussex	South East	ENG	67.7	30.8	48.3	*117*	*62*	*179*	39	21	60	284	349	132
E07000065	Wealden	East Sussex	South East	ENG	69.6	25.1	46.3	*181*	*74*	*255*	60	25	85	291	356	248
E07000066	Basildon	Essex	East of England	ENG	104.2	41.3	71.3	*233*	*102*	*335*	78	34	112	134	181	109
E07000067	Braintree	Essex	East of England	ENG	78.9	34.9	56.0	*168*	*82*	*250*	56	27	83	228	292	200
E07000068	Brentwood	Essex	East of England	ENG	98.9	30.2	62.5	*100*	*31*	*131*	33	10	44	186	245	279
E07000069	Castle Point	Essex	East of England	ENG	92.5	40.9	65.5	*128*	*64*	*192*	43	21	64	168	222	179
E07000070	Chelmsford	Essex	East of England	ENG	74.4	27.1	49.8	*172*	*69*	*241*	57	23	80	277	342	254
E07000071	Colchester	Essex	East of England	ENG	73.2	32.1	51.8	*170*	*80*	*250*	57	27	83	261	326	178
E07000072	Epping Forest	Essex	East of England	ENG	94.3	25.4	58.4	*162*	*47*	*209*	54	16	70	212	273	197
E07000073	Harlow	Essex	East of England	ENG	130.6	50.1	88.3	*123*	*52*	*175*	41	17	58	52	76	99
E07000074	Maldon	Essex	East of England	ENG	56.9	52.8	54.8	*62*	*62*	*124*	21	21	41	241	306	207
E07000075	Rochford	Essex	East of England	ENG	74.9	29.8	51.5	*99*	*41*	*140*	33	14	47	264	329	278
E06000033	Southend-on-Sea	Essex	East of England	ENG	121.2	48.0	83.6	*288*	*121*	*409*	96	40	136	65	94	126
E07000076	Tendring	Essex	East of England	ENG	116.3	51.2	82.0	*286*	*141*	*427*	95	47	142	70	100	32
E06000034	Thurrock	Essex	East of England	ENG	106.8	46.4	76.3	*207*	*90*	*297*	69	30	99	103	142	114
E07000077	Uttlesford	Essex	East of England	ENG	69.9	36.8	50.3	*88*	*41*	*129*	29	14	43	273	338	287
E07000078	Cheltenham	Gloucestershire	South West	ENG	102.6	48.2	74.3	*151*	*76*	*227*	50	25	76	114	155	233
E07000079	Cotswold	Gloucestershire	South West	ENG	69.5	31.9	49.9	*101*	*50*	*151*	34	17	50	275	340	266
E07000080	Forest of Dean	Gloucestershire	South West	ENG	82.6	38.8	60.2	*116*	*59*	*175*	39	20	58	201	262	140
E07000081	Gloucester	Gloucestershire	South West	ENG	114.6	50.0	81.3	*179*	*84*	*263*	60	28	88	73	104	135
E06000025	South Gloucestershire	Gloucestershire	South West	ENG	69.9	36.4	52.7	*251*	*138*	*389*	84	46	130	257	322	261
E07000082	Stroud	Gloucestershire	South West	ENG	82.0	31.7	56.1	*151*	*61*	*212*	50	20	71	227	291	272
E07000083	Tewkesbury	Gloucestershire	South West	ENG	87.3	27.0	56.0	*119*	*38*	*157*	40	13	52	229	293	255
E09000002	Barking and Dagenham	Greater London	London	ENG	155.8	60.9	106.2	*268*	*109*	*377*	89	36	126	10	17	5
E09000003	Barnet	Greater London	London	ENG	78.0	33.6	54.8	*325*	*150*	*475*	108	50	158	239	304	181
E09000004	Bexley	Greater London	London	ENG	90.9	40.9	65.0	*256*	*125*	*381*	85	42	127	174	230	187
E09000005	Brent	Greater London	London	ENG	111.3	40.2	74.9	*374*	*139*	*513*	125	46	171	109	148	49
E09000006	Bromley	Greater London	London	ENG	76.7	36.0	55.2	*302*	*156*	*458*	101	52	153	234	298	226
E09000007	Camden	Greater London	London	ENG	79.3	37.2	57.4	*192*	*98*	*290*	64	33	97	216	278	129
E09000001	City of London	Greater London	London	ENG	*	*	*	-	-	-	-	-	-	n/a	n/a	
E09000008	Croydon	Greater London	London	ENG	103.1	39.9	70.0	*425*	*177*	*602*	142	59	201	144	193	101
E09000009	Ealing	Greater London	London	ENG	107.1	40.2	72.5	*375*	*148*	*523*	125	49	174	127	172	87
E09000010	Enfield	Greater London	London	ENG	102.5	45.6	72.7	*349*	*166*	*515*	116	55	172	125	169	59
E09000011	Greenwich	Greater London	London	ENG	106.3	50.5	77.9	*282*	*135*	*417*	94	45	139	94	130	60
E09000012	Hackney	Greater London	London	ENG	121.6	44.0	80.9	*263*	*102*	*365*	88	34	122	80	112	7
E09000013	Hammersmith and Fulham	Greater London	London	ENG	120.9	49.5	81.7	*190*	*93*	*283*	63	31	94	72	102	95
E09000014	Haringey	Greater London	London	ENG	110.8	53.0	80.2	*276*	*141*	*417*	92	47	139	83	115	37
E09000015	Harrow	Greater London	London	ENG	78.1	33.8	55.3	*224*	*104*	*328*	75	35	109	233	297	196
E09000016	Havering	Greater London	London	ENG	92.6	45.5	68.0	*284*	*153*	*437*	95	51	146	154	205	176
E09000017	Hillingdon	Greater London	London	ENG	108.9	40.3	73.8	*343*	*131*	*474*	114	44	158	119	162	149
E09000018	Hounslow	Greater London	London	ENG	105.5	49.4	77.1	*291*	*136*	*427*	97	45	142	98	135	94

Table 1.26 Age-standardised death rates per 100,000 and number of deaths for heart and circulatory diseases (CVD), under 75s by local authority, United Kingdom 2018/20

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					UNDER 75											
					Age standardised CVD death rates per 100,000 - 3 Year Average			*Total number of premature CVD deaths - 2018/20*			Average number of annual CVD deaths - 2018/20			ASDR Rank (1 = highest death rate)		IMD - Rank of average rank (1= most deprived)
LA Code	LA/DC/UA	Ceremonial County (Eng/Wal)	Region/Nation	4N	Men	Women	Total	*Men*	*Women*	*Total*	Men	Women	Total	4N	UK-wide	4N
E09000019	Islington	Greater London	London	ENG	106.4	40.1	71.8	*193*	*80*	*273*	64	27	91	133	179	28
E09000020	Kensington and Chelsea	Greater London	London	ENG	72.4	29.8	49.6	*128*	*61*	*189*	43	20	63	279	344	120
E09000021	Kingston upon Thames	Greater London	London	ENG	76.2	30.3	52.5	*139*	*58*	*197*	46	19	66	258	323	264
E09000022	Lambeth	Greater London	London	ENG	125.6	47.6	84.6	*310*	*125*	*435*	103	42	145	61	88	42
E09000023	Lewisham	Greater London	London	ENG	117.6	49.4	81.8	*306*	*137*	*443*	102	46	148	71	101	35
E09000024	Merton	Greater London	London	ENG	86.4	34.5	58.9	*172*	*78*	*250*	57	26	83	208	269	210
E09000025	Newham	Greater London	London	ENG	138.9	56.3	95.7	*360*	*159*	*519*	120	53	173	25	42	12
E09000026	Redbridge	Greater London	London	ENG	99.3	35.0	66.7	*311*	*107*	*418*	104	36	139	164	217	158
E09000027	Richmond upon Thames	Greater London	London	ENG	75.6	28.5	51.0	*174*	*71*	*245*	58	24	82	267	332	289
E09000028	Southwark	Greater London	London	ENG	111.3	45.3	76.8	*275*	*120*	*395*	92	40	132	101	138	43
E09000029	Sutton	Greater London	London	ENG	78.1	33.7	55.1	*184*	*83*	*267*	61	28	89	235	299	223
E09000030	Tower Hamlets	Greater London	London	ENG	112.4	49.1	80.5	*234*	*98*	*332*	78	33	111	82	114	27
E09000031	Waltham Forest	Greater London	London	ENG	115.7	45.6	79.2	*295*	*119*	*414*	98	40	138	86	122	45
E09000032	Wandsworth	Greater London	London	ENG	106.1	44.8	73.6	*270*	*117*	*387*	90	39	129	122	165	170
E09000033	Westminster	Greater London	London	ENG	78.9	32.3	54.9	*205*	*88*	*293*	68	29	98	238	303	131
E08000001	Bolton	Greater Manchester	North West	ENG	137.8	62.5	99.2	*491*	*235*	*726*	164	78	242	19	35	47
E08000002	Bury	Greater Manchester	North West	ENG	105.7	51.1	77.5	*259*	*134*	*393*	86	45	131	97	133	108
E08000003	Manchester	Greater Manchester	North West	ENG	167.2	77.1	122.0	*740*	*330*	*1,070*	247	110	357	2	3	2
E08000004	Oldham	Greater Manchester	North West	ENG	142.5	64.2	101.9	*391*	*189*	*580*	130	63	193	14	28	29
E08000005	Rochdale	Greater Manchester	North West	ENG	135.6	67.4	100.7	*367*	*191*	*558*	122	64	186	16	30	17
E08000006	Salford	Greater Manchester	North West	ENG	128.3	59.6	94.2	*358*	*164*	*522*	119	55	174	31	51	20
E08000007	Stockport	Greater Manchester	North West	ENG	106.0	39.5	71.9	*414*	*163*	*577*	138	54	192	131	176	152
E08000008	Tameside	Greater Manchester	North West	ENG	142.2	69.9	105.7	*421*	*212*	*633*	140	71	211	11	18	23
E08000009	Trafford	Greater Manchester	North West	ENG	105.3	43.0	73.3	*300*	*131*	*431*	100	44	144	123	166	205
E08000010	Wigan	Greater Manchester	North West	ENG	125.2	57.5	90.9	*574*	*270*	*844*	191	90	281	40	63	96
E07000084	Basingstoke and Deane	Hampshire	South East	ENG	78.4	34.3	55.8	*179*	*83*	*262*	60	28	87	231	295	240
E07000085	East Hampshire	Hampshire	South East	ENG	59.7	30.7	44.7	*111*	*62*	*173*	37	21	58	295	360	277
E07000086	Eastleigh	Hampshire	South East	ENG	67.2	34.7	50.3	*118*	*66*	*184*	39	22	61	272	337	280
E07000087	Fareham	Hampshire	South East	ENG	62.9	39.0	50.6	*108*	*75*	*183*	36	25	61	269	334	290
E07000088	Gosport	Hampshire	South East	ENG	120.6	47.3	83.0	*143*	*59*	*202*	48	20	67	66	95	127
E07000089	Hart	Hampshire	South East	ENG	61.6	28.2	44.4	*79*	*39*	*118*	26	13	39	297	362	307
E07000090	Havant	Hampshire	South East	ENG	84.4	35.1	58.8	*156*	*69*	*225*	52	23	75	211	272	130
E07000091	New Forest	Hampshire	South East	ENG	63.5	23.7	42.7	*189*	*75*	*264*	63	25	88	301	366	237
E06000044	Portsmouth	Hampshire	South East	ENG	124.5	57.7	90.3	*281*	*135*	*416*	94	45	139	43	66	57
E07000092	Rushmoor	Hampshire	South East	ENG	90.4	56.0	67.8	*100*	*49*	*149*	33	16	50	155	206	193
E06000045	Southampton	Hampshire	South East	ENG	110.7	59.1	84.8	*278*	*152*	*430*	93	51	143	60	87	55
E07000093	Test Valley	Hampshire	South East	ENG	78.4	31.0	54.2	*141*	*61*	*202*	47	20	67	246	311	256
E07000094	Winchester	Hampshire	South East	ENG	62.4	23.4	42.5	*107*	*44*	*151*	36	15	50	302	367	285
E06000019	Herefordshire, County of	Herefordshire	West Midlands	ENG	87.5	42.1	64.3	*265*	*133*	*398*	88	44	133	175	232	134
E07000095	Broxbourne	Hertfordshire	East of England	ENG	109.5	41.6	73.8	*126*	*53*	*179*	42	18	60	120	163	151
E07000096	Dacorum	Hertfordshire	East of England	ENG	87.4	29.0	57.0	*166*	*59*	*225*	55	20	75	219	282	236
E07000242	East Hertfordshire	Hertfordshire	East of England	ENG	73.9	22.8	47.8	*146*	*46*	*192*	49	15	64	286	351	299
E07000098	Hertsmere	Hertfordshire	East of England	ENG	84.0	36.7	58.8	*106*	*51*	*157*	35	17	52	210	271	220
E07000099	North Hertfordshire	Hertfordshire	East of England	ENG	81.9	29.2	54.9	*141*	*53*	*194*	47	18	65	237	302	263
E07000240	St Albans	Hertfordshire	East of England	ENG	73.4	27.7	49.7	*128*	*52*	*180*	43	17	60	278	343	298
E07000243	Stevenage	Hertfordshire	East of England	ENG	91.8	45.9	68.7	*92*	*48*	*140*	31	16	47	151	202	115
E07000102	Three Rivers	Hertfordshire	East of England	ENG	93.1	23.9	55.7	*109*	*26*	*135*	36	9	45	232	296	283
E07000103	Watford	Hertfordshire	East of England	ENG	97.2	38.6	66.9	*92*	*39*	*131*	31	13	44	162	214	192
E07000241	Welwyn Hatfield	Hertfordshire	East of England	ENG	91.9	48.2	69.7	*118*	*65*	*183*	39	22	61	146	196	211
E06000046	Isle of Wight	Isle of Wight	South East	ENG	106.7	43.6	74.2	*258*	*113*	*371*	86	38	124	116	158	79

Table 1.26 Age-standardised death rates per 100,000 and number of deaths for heart and circulatory diseases (CVD), under 75s by local authority, United Kingdom 2018/20

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					UNDER 75											
					Age standardised CVD death rates per 100,000 - 3 Year Average			*Total number of premature CVD deaths - 2018/20*			Average number of annual CVD deaths - 2018/20			ASDR Rank (1 = highest death rate)		IMD - Rank of average rank (1= most deprived)
LA Code	LA/DC/UA	Ceremonial County (Eng/Wal)	Region/Nation	4N	Men	Women	Total	*Men*	*Women*	*Total*	Men	Women	Total	4N	UK-wide	4N
E07000105	Ashford	Kent	South East	ENG	93.6	36.0	64.0	*163*	*65*	*228*	54	22	76	176	233	150
E07000106	Canterbury	Kent	South East	ENG	97.1	30.1	62.1	*201*	*72*	*273*	67	24	91	189	248	182
E07000107	Dartford	Kent	South East	ENG	103.7	47.3	74.6	*123*	*58*	*181*	41	19	60	111	152	143
E07000108	Dover	Kent	South East	ENG	86.3	41.4	63.5	*159*	*79*	*238*	53	26	79	177	234	105
E07000112	Folkestone and Hythe (Shepway)	Kent	South East	ENG	97.4	44.2	70.3	*171*	*82*	*253*	57	27	84	141	190	83
E07000109	Gravesham	Kent	South East	ENG	93.1	45.6	68.8	*121*	*62*	*183*	40	21	61	150	201	117
E07000110	Maidstone	Kent	South East	ENG	86.3	36.5	60.8	*194*	*87*	*281*	65	29	94	195	254	185
E06000035	Medway	Kent	South East	ENG	108.5	46.7	76.9	*365*	*165*	*530*	122	55	177	100	137	97
E07000111	Sevenoaks	Kent	South East	ENG	71.7	31.1	50.5	*119*	*56*	*175*	40	19	58	270	335	247
E07000113	Swale	Kent	South East	ENG	97.6	48.3	72.4	*200*	*103*	*303*	67	34	101	128	173	69
E07000114	Thanet	Kent	South East	ENG	108.3	46.4	75.9	*228*	*107*	*335*	76	36	112	106	145	34
E07000115	Tonbridge and Malling	Kent	South East	ENG	95.5	32.8	63.2	*164*	*60*	*224*	55	20	75	182	239	232
E07000116	Tunbridge Wells	Kent	South East	ENG	67.3	29.2	47.9	*105*	*48*	*153*	35	16	51	285	350	267
E06000008	Blackburn with Darwen	Lancashire	North West	ENG	134.1	62.7	98.1	*233*	*109*	*342*	78	36	114	22	38	14
E06000009	Blackpool	Lancashire	North West	ENG	166.6	85.2	125.8	*330*	*170*	*500*	110	57	167	1	2	1
E07000117	Burnley	Lancashire	North West	ENG	148.0	78.3	112.3	*174*	*97*	*271*	58	32	90	5	7	11
E07000118	Chorley	Lancashire	North West	ENG	99.5	44.7	72.1	*172*	*78*	*250*	57	26	83	130	175	189
E07000119	Fylde	Lancashire	North West	ENG	89.2	42.4	65.2	*122*	*62*	*184*	41	21	61	171	226	195
E07000120	Hyndburn	Lancashire	North West	ENG	140.9	75.6	107.6	*148*	*83*	*231*	49	28	77	8	14	18
E07000121	Lancaster	Lancashire	North West	ENG	123.1	44.0	82.3	*235*	*91*	*326*	78	30	109	68	97	110
E07000122	Pendle	Lancashire	North West	ENG	131.2	67.3	98.7	*161*	*85*	*246*	54	28	82	20	36	36
E07000123	Preston	Lancashire	North West	ENG	142.7	54.1	98.4	*228*	*86*	*314*	76	29	105	21	37	46
E07000124	Ribble Valley	Lancashire	North West	ENG	92.2	54.9	67.7	*89*	*45*	*134*	30	15	45	156	207	274
E07000125	Rossendale	Lancashire	North West	ENG	126.2	66.5	96.1	*127*	*68*	*195*	42	23	65	24	41	90
E07000126	South Ribble	Lancashire	North West	ENG	103.0	38.8	69.9	*165*	*67*	*232*	55	22	77	145	194	206
E07000127	West Lancashire	Lancashire	North West	ENG	111.7	43.1	76.0	*180*	*76*	*256*	60	25	85	104	143	175
E07000128	Wyre	Lancashire	North West	ENG	132.8	54.5	92.4	*245*	*107*	*352*	82	36	117	36	59	145
E07000129	Blaby	Leicestershire	East Midlands	ENG	63.6	26.2	44.4	*90*	*39*	*129*	30	13	43	298	363	273
E07000130	Charnwood	Leicestershire	East Midlands	ENG	92.5	42.0	66.7	*215*	*101*	*316*	72	34	105	163	216	239
E07000131	Harborough	Leicestershire	East Midlands	ENG	84.8	28.9	56.4	*120*	*43*	*163*	40	14	54	222	286	300
E07000132	Hinckley and Bosworth	Leicestershire	East Midlands	ENG	92.5	38.4	65.0	*157*	*68*	*225*	52	23	75	173	229	228
E06000016	Leicester	Leicestershire	East Midlands	ENG	151.4	65.0	107.7	*514*	*224*	*738*	171	75	246	7	13	22
E07000133	Melton	Leicestershire	East Midlands	ENG	91.3	44.0	65.5	*76*	*33*	*109*	25	11	36	169	223	242
E07000134	North West Leicestershire	Leicestershire	East Midlands	ENG	84.6	39.9	62.3	*130*	*62*	*192*	43	21	64	187	246	212
E07000135	Oadby and Wigston	Leicestershire	East Midlands	ENG	90.3	42.3	62.5	*67*	*30*	*97*	22	10	32	185	244	243
E07000136	Boston	Lincolnshire	East Midlands	ENG	132.4	49.0	90.2	*129*	*50*	*179*	43	17	60	44	67	84
E07000137	East Lindsey	Lincolnshire	East Midlands	ENG	117.0	64.0	89.6	*312*	*180*	*492*	104	60	164	46	69	30
E07000138	Lincoln	Lincolnshire	East Midlands	ENG	113.8	75.6	94.4	*123*	*85*	*208*	41	28	69	29	49	68
E06000012	North East Lincolnshire	Lincolnshire	Yorkshire & The Humber	ENG	121.3	57.0	88.5	*268*	*132*	*400*	89	44	133	50	74	66
E07000139	North Kesteven	Lincolnshire	East Midlands	ENG	82.0	40.5	60.6	*146*	*78*	*224*	49	26	75	196	255	262
E06000013	North Lincolnshire	Lincolnshire	Yorkshire & The Humber	ENG	102.0	52.4	77.0	*261*	*136*	*397*	87	45	132	99	136	118
E07000140	South Holland	Lincolnshire	East Midlands	ENG	106.9	41.8	73.9	*157*	*65*	*222*	52	22	74	118	161	141
E07000141	South Kesteven	Lincolnshire	East Midlands	ENG	90.9	31.8	60.2	*198*	*75*	*273*	66	25	91	202	263	230
E07000142	West Lindsey	Lincolnshire	East Midlands	ENG	98.7	42.7	70.2	*157*	*70*	*227*	52	23	76	143	192	144
E08000011	Knowsley	Merseyside	North West	ENG	140.0	73.9	105.1	*264*	*153*	*417*	88	51	139	12	20	3
E08000012	Liverpool	Merseyside	North West	ENG	138.7	68.3	102.8	*752*	*387*	*1,139*	251	129	380	13	25	4
E08000014	Sefton	Merseyside	North West	ENG	121.4	49.7	83.9	*480*	*216*	*696*	160	72	232	63	91	88
E08000013	St. Helens	Merseyside	North West	ENG	122.6	68.9	95.1	*310*	*181*	*491*	103	60	164	27	45	40
E08000015	Wirral	Merseyside	North West	ENG	107.8	49.9	77.7	*496*	*249*	*745*	165	83	248	96	132	76
E07000143	Breckland	Norfolk	East of England	ENG	85.2	36.9	60.4	*187*	*88*	*275*	62	29	92	199	258	124

Table 1.26 Age-standardised death rates per 100,000 and number of deaths for heart and circulatory diseases (CVD), under 75s by local authority, United Kingdom 2018/20

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					UNDER 75											
					Age standardised CVD death rates per 100,000 - 3 Year Average			*Total number of premature CVD deaths - 2018/20*			Average number of annual CVD deaths - 2018/20			ASDR Rank (1 = highest death rate)		IMD - Rank of average rank (1= most deprived)
LA Code	LA/DC/UA	Ceremonial County (Eng/Wal)	Region/Nation	4N	Men	Women	Total	*Men*	*Women*	*Total*	Men	Women	Total	4N	UK-wide	4N
E07000144	Broadland	Norfolk	East of England	ENG	81.1	27.7	53.4	*168*	*65*	*233*	56	22	78	252	317	251
E07000145	Great Yarmouth	Norfolk	East of England	ENG	129.4	53.1	90.6	*201*	*85*	*286*	67	28	95	42	65	24
E07000146	King's Lynn and West Norfolk	Norfolk	East of England	ENG	88.1	46.6	66.6	*209*	*119*	*328*	70	40	109	165	218	78
E07000147	North Norfolk	Norfolk	East of England	ENG	75.1	33.4	53.7	*155*	*75*	*230*	52	25	77	247	312	93
E07000148	Norwich	Norfolk	East of England	ENG	131.6	54.9	92.0	*188*	*84*	*272*	63	28	91	38	61	61
E07000149	South Norfolk	Norfolk	East of England	ENG	61.8	28.6	44.7	*133*	*66*	*199*	44	22	66	296	361	221
E06000061	North Northamptonshire	Northamptonshire	East Midlands	ENG	94.5	41.7	67.4	*438*	*205*	*643*	146	68	214	160	211	142
E06000062	West Northamptonshire	Northamptonshire	East Midlands	ENG	91.3	41.3	65.8	*484*	*228*	*712*	161	76	237	167	221	222
E06000057	Northumberland	Northumberland	North East	ENG	101.2	43.1	71.2	*525*	*244*	*769*	175	81	256	136	185	128
E07000170	Ashfield	Nottinghamshire	East Midlands	ENG	105.5	67.3	86.2	*184*	*121*	*305*	61	40	102	56	82	63
E07000171	Bassetlaw	Nottinghamshire	East Midlands	ENG	103.3	55.1	78.9	*184*	*100*	*284*	61	33	95	88	124	106
E07000172	Broxtowe	Nottinghamshire	East Midlands	ENG	96.6	47.5	71.2	*155*	*80*	*235*	52	27	78	135	183	219
E07000173	Gedling	Nottinghamshire	East Midlands	ENG	86.1	42.2	63.5	*143*	*75*	*218*	48	25	73	178	235	204
E07000174	Mansfield	Nottinghamshire	East Midlands	ENG	107.1	51.1	78.7	*163*	*79*	*242*	54	26	81	90	126	56
E07000175	Newark and Sherwood	Nottinghamshire	East Midlands	ENG	81.2	41.6	61.0	*148*	*79*	*227*	49	26	76	194	253	146
E06000018	Nottingham	Nottinghamshire	East Midlands	ENG	141.7	71.4	106.6	*424*	*217*	*641*	141	72	214	9	15	10
E07000176	Rushcliffe	Nottinghamshire	East Midlands	ENG	76.4	41.1	53.7	*128*	*56*	*184*	43	19	61	248	313	305
E07000177	Cherwell	Oxfordshire	South East	ENG	74.0	35.9	54.6	*143*	*72*	*215*	48	24	72	243	308	216
E07000178	Oxford	Oxfordshire	South East	ENG	99.8	40.0	68.9	*135*	*57*	*192*	45	19	64	148	199	186
E07000179	South Oxfordshire	Oxfordshire	South East	ENG	61.8	27.8	44.2	*121*	*59*	*180*	40	20	60	299	364	294
E07000180	Vale of White Horse	Oxfordshire	South East	ENG	58.9	26.2	42.3	*108*	*49*	*157*	36	16	52	304	369	297
E07000181	West Oxfordshire	Oxfordshire	South East	ENG	76.7	28.7	51.7	*119*	*48*	*167*	40	16	56	263	328	293
E06000017	Rutland	Rutland	East Midlands	ENG	52.2	-	40.1	*33*	*17*	*50*	11	6	17	306	371	295
E06000051	Shropshire	Shropshire	West Midlands	ENG	87.8	36.1	61.4	*449*	*196*	*645*	150	65	215	193	252	162
E06000020	Telford and Wrekin	Shropshire	West Midlands	ENG	126.3	54.7	89.5	*286*	*131*	*417*	95	44	139	47	70	98
E06000022	Bath and North East Somerset	Somerset	South West	ENG	80.3	25.2	51.7	*190*	*64*	*254*	63	21	85	262	327	268
E07000187	Mendip	Somerset	South West	ENG	80.2	28.9	53.7	*144*	*55*	*199*	48	18	66	249	314	167
E06000024	North Somerset	Somerset	South West	ENG	86.0	34.4	59.2	*268*	*121*	*389*	89	40	130	206	267	217
E07000188	Sedgemoor	Somerset	South West	ENG	88.4	43.3	65.5	*167*	*86*	*253*	56	29	84	170	224	119
E07000246	Somerset West and Taunton	Somerset	South West	ENG	80.7	36.4	57.8	*193*	*96*	*289*	64	32	96	214	276	139
E07000189	South Somerset	Somerset	South West	ENG	77.3	30.2	53.2	*208*	*87*	*295*	69	29	98	254	319	160
E07000192	Cannock Chase	Staffordshire	West Midlands	ENG	98.0	53.2	75.5	*136*	*75*	*211*	45	25	70	108	147	123
E07000193	East Staffordshire	Staffordshire	West Midlands	ENG	105.9	43.9	74.8	*172*	*72*	*244*	57	24	81	110	150	155
E07000194	Lichfield	Staffordshire	West Midlands	ENG	96.6	40.5	67.7	*152*	*70*	*222*	51	23	74	157	208	244
E07000195	Newcastle-under-Lyme	Staffordshire	West Midlands	ENG	118.2	39.4	78.2	*209*	*74*	*283*	70	25	94	92	128	148
E07000196	South Staffordshire	Staffordshire	West Midlands	ENG	87.7	32.3	59.2	*156*	*60*	*216*	52	20	72	207	268	231
E07000197	Stafford	Staffordshire	West Midlands	ENG	84.9	36.6	60.4	*174*	*77*	*251*	58	26	84	200	259	229
E07000198	Staffordshire Moorlands	Staffordshire	West Midlands	ENG	83.5	44.2	63.4	*136*	*75*	*211*	45	25	70	179	236	201
E06000021	Stoke-on-Trent	Staffordshire	West Midlands	ENG	136.6	62.8	99.4	*438*	*205*	*643*	146	68	214	17	33	15
E07000199	Tamworth	Staffordshire	West Midlands	ENG	93.0	52.7	72.4	*97*	*59*	*156*	32	20	52	129	174	122
E07000200	Babergh	Suffolk	East of England	ENG	74.6	24.5	48.7	*112*	*39*	*151*	37	13	50	282	347	208
E07000244	East Suffolk	Suffolk	East of England	ENG	84.2	40.5	61.7	*342*	*178*	*520*	114	59	173	192	251	156
E07000202	Ipswich	Suffolk	East of England	ENG	100.1	41.8	70.3	*163*	*70*	*233*	54	23	78	140	189	70
E07000203	Mid Suffolk	Suffolk	East of England	ENG	72.0	30.4	51.0	*121*	*52*	*173*	40	17	58	268	333	225
E07000245	West Suffolk	Suffolk	East of England	ENG	79.4	40.4	59.3	*190*	*104*	*294*	63	35	98	205	266	173
E07000207	Elmbridge	Surrey	South East	ENG	67.6	27.3	46.4	*115*	*50*	*165*	38	17	55	290	355	302
E07000208	Epsom and Ewell	Surrey	South East	ENG	70.4	35.8	44.8	*69*	*24*	*93*	23	8	31	294	359	291
E07000209	Guildford	Surrey	South East	ENG	66.0	32.8	49.1	*114*	*59*	*173*	38	20	58	281	346	288
E07000210	Mole Valley	Surrey	South East	ENG	68.1	24.0	42.3	*88*	*24*	*112*	29	8	37	303	368	286
E07000211	Reigate and Banstead	Surrey	South East	ENG	74.9	33.4	53.5	*141*	*66*	*207*	47	22	69	250	315	270

Table 1.26 Age-standardised death rates per 100,000 and number of deaths for heart and circulatory diseases (CVD), under 75s by local authority, United Kingdom 2018/20

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					UNDER 75											
					Age standardised CVD death rates per 100,000 - 3 Year Average			*Total number of premature CVD deaths - 2018/20*			Average number of annual CVD deaths - 2018/20			ASDR Rank (1 = highest death rate)		IMD - Rank of average rank (1= most deprived)
LA Code	LA/DC/UA	Ceremonial County (Eng/Wal)	Region/Nation	4N	Men	Women	Total	*Men*	*Women*	*Total*	Men	Women	Total	4N	UK-wide	4N
E07000212	Runnymede	Surrey	South East	ENG	85.5	33.5	57.6	*88*	*33*	*121*	29	11	40	215	277	250
E07000213	Spelthorne	Surrey	South East	ENG	101.3	45.0	72.7	*129*	*59*	*188*	43	20	63	126	170	198
E07000214	Surrey Heath	Surrey	South East	ENG	67.9	24.2	45.5	*80*	*30*	*110*	27	10	37	292	357	301
E07000215	Tandridge	Surrey	South East	ENG	80.2	31.9	52.4	*97*	*34*	*131*	32	11	44	259	324	252
E07000216	Waverley	Surrey	South East	ENG	70.3	24.2	46.5	*120*	*46*	*166*	40	15	55	289	354	304
E07000217	Woking	Surrey	South East	ENG	77.6	31.7	54.5	*97*	*40*	*137*	32	13	46	244	309	275
E08000037	Gateshead	Tyne & Wear	North East	ENG	121.9	51.9	85.8	*325*	*148*	*473*	108	49	158	57	83	54
E08000021	Newcastle upon Tyne	Tyne & Wear	North East	ENG	126.4	52.1	89.0	*402*	*168*	*570*	134	56	190	49	72	73
E08000022	North Tyneside	Tyne & Wear	North East	ENG	113.1	52.0	81.2	*326*	*165*	*491*	109	55	164	74	105	125
E08000023	South Tyneside	Tyne & Wear	North East	ENG	130.2	58.9	93.3	*275*	*134*	*409*	92	45	136	33	54	26
E08000024	Sunderland	Tyne & Wear	North East	ENG	121.8	59.7	89.4	*460*	*248*	*708*	153	83	236	48	71	33
E07000218	North Warwickshire	Warwickshire	West Midlands	ENG	119.0	49.6	83.8	*117*	*51*	*168*	39	17	56	64	92	153
E07000219	Nuneaton and Bedworth	Warwickshire	West Midlands	ENG	134.0	55.3	93.8	*232*	*102*	*334*	77	34	111	32	53	100
E07000220	Rugby	Warwickshire	West Midlands	ENG	115.9	33.9	74.4	*163*	*49*	*212*	54	16	71	113	154	218
E07000221	Stratford-on-Avon	Warwickshire	West Midlands	ENG	82.9	32.5	56.9	*171*	*72*	*243*	57	24	81	220	283	253
E07000222	Warwick	Warwickshire	West Midlands	ENG	85.6	39.6	62.0	*151*	*74*	*225*	50	25	75	190	249	257
E08000025	Birmingham	West Midlands	West Midlands	ENG	134.1	59.3	95.5	*1,463*	*674*	*2,137*	488	225	712	26	43	6
E08000026	Coventry	West Midlands	West Midlands	ENG	131.1	47.7	88.5	*466*	*175*	*641*	155	58	214	51	75	80
E08000027	Dudley	West Midlands	West Midlands	ENG	110.5	52.5	80.9	*474*	*236*	*710*	158	79	237	79	111	103
E08000028	Sandwell	West Midlands	West Midlands	ENG	160.8	67.9	113.5	*577*	*250*	*827*	192	83	276	3	5	8
E08000029	Solihull	West Midlands	West Midlands	ENG	80.5	30.5	54.7	*233*	*96*	*329*	78	32	110	242	307	203
E08000030	Walsall	West Midlands	West Midlands	ENG	125.3	60.7	92.3	*421*	*214*	*635*	140	71	212	37	60	31
E08000031	Wolverhampton	West Midlands	West Midlands	ENG	158.6	67.3	111.8	*473*	*210*	*683*	158	70	228	6	8	19
E07000223	Adur	West Sussex	South East	ENG	81.4	45.3	62.3	*73*	*46*	*119*	24	15	40	188	247	161
E07000224	Arun	West Sussex	South East	ENG	109.3	36.1	70.6	*268*	*102*	*370*	89	34	123	138	187	147
E07000225	Chichester	West Sussex	South East	ENG	72.1	31.1	50.5	*135*	*66*	*201*	45	22	67	271	336	209
E07000226	Crawley	West Sussex	South East	ENG	104.0	37.4	69.5	*126*	*48*	*174*	42	16	58	147	198	133
E07000227	Horsham	West Sussex	South East	ENG	68.9	27.2	47.3	*147*	*63*	*210*	49	21	70	288	353	282
E07000228	Mid Sussex	West Sussex	South East	ENG	57.4	22.3	39.2	*117*	*50*	*167*	39	17	56	307	372	303
E07000229	Worthing	West Sussex	South East	ENG	93.9	35.2	63.1	*144*	*61*	*205*	48	20	68	184	241	171
E06000030	Swindon	Wiltshire	South West	ENG	101.8	46.8	74.0	*282*	*131*	*413*	94	44	138	117	160	168
E06000054	Wiltshire	Wiltshire	South West	ENG	79.1	34.0	55.9	*567*	*257*	*824*	189	86	275	230	294	227
E07000234	Bromsgrove	Worcestershire	West Midlands	ENG	66.2	24.3	44.9	*96*	*37*	*133*	32	12	44	293	358	265
E07000235	Malvern Hills	Worcestershire	West Midlands	ENG	62.0	33.3	47.4	*85*	*46*	*131*	28	15	44	287	352	184
E07000236	Redditch	Worcestershire	West Midlands	ENG	105.3	58.2	81.1	*122*	*70*	*192*	41	23	64	76	107	116
E07000237	Worcester	Worcestershire	West Midlands	ENG	114.0	46.8	79.9	*142*	*60*	*202*	47	20	67	85	117	157
E07000238	Wychavon	Worcestershire	West Midlands	ENG	83.1	32.1	57.1	*172*	*69*	*241*	57	23	80	218	281	188
E07000239	Wyre Forest	Worcestershire	West Midlands	ENG	111.4	37.6	73.7	*178*	*63*	*241*	59	21	80	121	164	112
E06000011	East Riding of Yorkshire	Yorkshire (East Riding)	Yorkshire & The Humber	ENG	88.7	39.3	63.3	*509*	*236*	*745*	170	79	248	180	237	213
E06000010	Kingston upon Hull, City of	Yorkshire (East Riding)	Yorkshire & The Humber	ENG	160.4	64.9	112.4	*486*	*199*	*685*	162	66	228	4	6	9
E07000163	Craven	Yorkshire (North Yorkshire)	Yorkshire & The Humber	ENG	80.0	36.0	57.2	*80*	*36*	*116*	27	12	39	217	280	235
E07000164	Hambleton	Yorkshire (North Yorkshire)	Yorkshire & The Humber	ENG	68.0	35.4	51.3	*102*	*58*	*160*	34	19	53	266	331	249
E07000165	Harrogate	Yorkshire (North Yorkshire)	Yorkshire & The Humber	ENG	73.7	30.4	51.4	*180*	*80*	*260*	60	27	87	265	330	271
E06000002	Middlesbrough	Yorkshire (North Yorkshire)	North East	ENG	130.1	66.2	96.7	*212*	*118*	*330*	71	39	110	23	39	16
E06000003	Redcar and Cleveland	Yorkshire (North Yorkshire)	North East	ENG	122.5	48.9	84.1	*244*	*107*	*351*	81	36	117	62	90	62
E07000166	Richmondshire	Yorkshire (North Yorkshire)	Yorkshire & The Humber	ENG	77.3	42.2	56.4	*62*	*30*	*92*	21	10	31	223	287	245
E07000167	Ryedale	Yorkshire (North Yorkshire)	Yorkshire & The Humber	ENG	77.9	30.3	53.0	*74*	*30*	*104*	25	10	35	255	320	177
E07000168	Scarborough	Yorkshire (North Yorkshire)	Yorkshire & The Humber	ENG	109.0	49.4	78.2	*193*	*96*	*289*	64	32	96	93	129	74
E07000169	Selby	Yorkshire (North Yorkshire)	Yorkshire & The Humber	ENG	78.5	35.7	56.8	*104*	*49*	*153*	35	16	51	221	284	246
E06000014	York	Yorkshire (North Yorkshire)	Yorkshire & The Humber	ENG	93.2	43.1	67.2	*233*	*117*	*350*	78	39	117	161	212	269

Table 1.26 Age-standardised death rates per 100,000 and number of deaths for heart and circulatory diseases (CVD), under 75s by local authority, United Kingdom 2018/20

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					Age standardised CVD death rates per 100,000 - 3 Year Average			*Total number of premature CVD deaths - 2018/20*			Average number of annual CVD deaths - 2018/20			ASDR Rank (1 = highest death rate)		IMD - Rank of average rank (1= most deprived)
LA Code	LA/DC/UA	Ceremonial County (Eng/Wal)	Region/Nation	4N	Men	Women	Total	*Men*	*Women*	*Total*	Men	Women	Total	4N	UK-wide	4N
E08000016	Barnsley	Yorkshire (South Yorkshire)	Yorkshire & The Humber	ENG	126.1	60.9	93.0	*432*	*215*	*647*	144	72	216	34	55	38
E08000017	Doncaster	Yorkshire (South Yorkshire)	Yorkshire & The Humber	ENG	119.6	56.1	87.2	*503*	*246*	*749*	168	82	250	55	80	41
E08000018	Rotherham	Yorkshire (South Yorkshire)	Yorkshire & The Humber	ENG	124.9	51.2	87.4	*453*	*192*	*645*	151	64	215	54	79	50
E08000019	Sheffield	Yorkshire (South Yorkshire)	Yorkshire & The Humber	ENG	106.7	47.6	76.4	*686*	*323*	*1,009*	229	108	336	102	141	92
E08000032	Bradford	Yorkshire (West Yorkshire)	Yorkshire & The Humber	ENG	144.6	59.3	100.8	*867*	*374*	*1,241*	289	125	414	15	29	21
E08000033	Calderdale	Yorkshire (West Yorkshire)	Yorkshire & The Humber	ENG	113.3	49.8	81.0	*327*	*150*	*477*	109	50	159	77	108	75
E08000034	Kirklees	Yorkshire (West Yorkshire)	Yorkshire & The Humber	ENG	105.9	56.5	80.9	*595*	*328*	*923*	198	109	308	81	113	86
E08000035	Leeds	Yorkshire (West Yorkshire)	Yorkshire & The Humber	ENG	110.1	48.5	78.3	*950*	*453*	*1,403*	317	151	468	91	127	91
E08000036	Wakefield	Yorkshire (West Yorkshire)	Yorkshire & The Humber	ENG	126.3	58.2	91.7	*601*	*286*	*887*	200	95	296	39	62	64
N09000001	Antrim and Newtownabbey		Northern Ireland	NI	103.1	33.3	67.1	*177*	*62*	*239*	59	21	80	7	213	10
N09000011	Ards and North Down		Northern Ireland	NI	82.9	39.3	60.3	*194*	*100*	*294*	65	33	98	9	260	9
N09000002	Armagh City, Banbridge and Craigavon		Northern Ireland	NI	99.1	46.9	72.6	*250*	*124*	*374*	83	41	125	4	171	7
N09000003	Belfast		Northern Ireland	NI	116.5	56.4	85.1	*421*	*221*	*642*	140	74	214	1	86	4
N09000004	Causeway Coast and Glens		Northern Ireland	NI	82.3	43.4	63.0	*158*	*84*	*242*	53	28	81	8	242	5
N09000005	Derry City and Strabane		Northern Ireland	NI	103.6	45.2	74.1	*188*	*84*	*272*	63	28	91	3	159	1
N09000006	Fermanagh and Omagh		Northern Ireland	NI	96.0	43.4	69.9	*144*	*66*	*210*	48	22	70	6	195	2
N09000007	Lisburn and Castlereagh		Northern Ireland	NI	73.5	37.7	55.1	*130*	*72*	*202*	43	24	67	11	300	11
N09000008	Mid and East Antrim		Northern Ireland	NI	102.9	48.0	74.8	*188*	*94*	*282*	63	31	94	2	151	8
N09000009	Mid Ulster		Northern Ireland	NI	94.0	49.2	71.9	*159*	*82*	*241*	53	27	80	5	177	6
N09000010	Newry, Mourne and Down		Northern Ireland	NI	86.1	30.4	58.0	*184*	*68*	*252*	61	23	84	10	275	3
S12000033	Aberdeen City		Scotland	SCO	139.8	66.9	102.6	*373*	*184*	*557*	124	61	186	10	26	26
S12000034	Aberdeenshire		Scotland	SCO	91.0	51.9	71.2	*346*	*202*	*548*	115	67	183	26	184	29
S12000041	Angus		Scotland	SCO	88.8	55.4	71.5	*160*	*107*	*267*	53	36	89	24	180	20
S12000035	Argyll and Bute		Scotland	SCO	124.2	45.5	83.8	*179*	*70*	*249*	60	23	83	17	93	15
S12000036	City of Edinburgh		Scotland	SCO	111.2	49.6	79.5	*635*	*303*	*938*	212	101	313	21	119	30
S12000005	Clackmannanshire		Scotland	SCO	139.0	70.5	103.6	*106*	*58*	*164*	35	19	55	9	24	8
S12000006	Dumfries and Galloway		Scotland	SCO	116.0	54.7	84.5	*283*	*140*	*423*	94	47	141	16	89	10
S12000042	Dundee City		Scotland	SCO	157.8	68.4	110.8	*276*	*132*	*408*	92	44	136	3	9	7
S12000008	East Ayrshire		Scotland	SCO	151.7	64.4	106.5	*269*	*122*	*391*	90	41	130	6	16	6
S12000045	East Dunbartonshire		Scotland	SCO	92.1	32.1	60.3	*141*	*56*	*197*	47	19	66	31	261	31
S12000010	East Lothian		Scotland	SCO	87.5	45.4	65.4	*130*	*75*	*205*	43	25	68	29	225	22
S12000011	East Renfrewshire		Scotland	SCO	95.0	38.6	65.0	*119*	*54*	*173*	40	18	58	30	228	32
S12000014	Falkirk		Scotland	SCO	142.7	70.4	105.4	*318*	*166*	*484*	106	55	161	7	19	16
S12000047	Fife		Scotland	SCO	126.8	61.1	92.7	*671*	*350*	*1,021*	224	117	340	14	57	14
S12000049	Glasgow City		Scotland	SCO	187.5	84.4	133.6	*1,223*	*595*	*1,818*	408	198	606	1	1	4
S12000017	Highland		Scotland	SCO	114.6	46.0	79.5	*414*	*176*	*590*	138	59	197	22	120	19
S12000018	Inverclyde		Scotland	SCO	147.5	77.5	110.4	*165*	*97*	*262*	55	32	87	4	10	3
S12000019	Midlothian		Scotland	SCO	108.4	56.0	81.0	*134*	*76*	*210*	45	25	70	19	110	18
S12000020	Moray		Scotland	SCO	98.9	56.9	77.2	*137*	*85*	*222*	46	28	74	23	134	23
S12000013	Na h-Eileanan Siar		Scotland	SCO	127.7	36.4	82.3	*59*	*16*	*75*	20	5	25	18	98	9
S12000021	North Ayrshire		Scotland	SCO	144.3	68.2	104.1	*295*	*154*	*449*	98	51	150	8	21	2
S12000050	North Lanarkshire		Scotland	SCO	152.3	70.2	109.2	*670*	*338*	*1,008*	223	113	336	5	12	5
S12000023	Orkney Islands		Scotland	SCO	103.2	38.9	71.3	*37*	*14*	*51*	12	5	17	25	182	25
S12000048	Perth and Kinross		Scotland	SCO	95.5	39.7	66.8	*219*	*99*	*318*	73	33	106	27	215	27
S12000038	Renfrewshire		Scotland	SCO	133.6	60.3	94.9	*319*	*159*	*478*	106	53	159	13	47	12
S12000026	Scottish Borders		Scotland	SCO	95.2	38.3	66.2	*185*	*76*	*261*	62	25	87	28	220	21
S12000027	Shetland Islands		Scotland	SCO	88.8	23.7	57.3	*31*	*8*	*39*	10	3	13	32	279	24
S12000028	South Ayrshire		Scotland	SCO	144.1	61.2	100.4	*261*	*122*	*383*	87	41	128	11	32	13
S12000029	South Lanarkshire		Scotland	SCO	129.1	66.9	96.7	*577*	*327*	*904*	192	109	301	12	40	11
S12000030	Stirling		Scotland	SCO	103.9	57.1	79.6	*132*	*78*	*210*	44	26	70	20	118	28

Table 1.26 Age-standardised death rates per 100,000 and number of deaths for heart and circulatory diseases (CVD), under 75s by local authority, United Kingdom 2018/20

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					UNDER 75											
					Age standardised CVD death rates per 100,000 - 3 Year Average			*Total number of premature CVD deaths - 2018/20*			Average number of annual CVD deaths - 2018/20			ASDR Rank (1 = highest death rate)		IMD - Rank of average rank (1= most deprived)
LA Code	LA/DC/UA	Ceremonial County (Eng/Wal)	Region/Nation	4N	Men	Women	Total	*Men*	*Women*	*Total*	Men	Women	Total	4N	UK-wide	4N
S12000039	West Dunbartonshire		Scotland	SCO	164.2	68.9	113.9	*201*	*93*	*294*	67	31	98	2	4	1
S12000040	West Lothian		Scotland	SCO	119.4	60.4	88.8	*278*	*152*	*430*	93	51	143	15	73	17
W06000003	Conwy	Clwyd	Wales / Cymru	WAL	99.2	41.3	69.5	*193*	*90*	*284*	64	30	95	19	197	14
W06000004	Denbighshire / Sir Ddinbych	Clwyd	Wales / Cymru	WAL	132.9	50.6	94.9	*207*	*83*	*301*	69	28	100	7	46	9
W06000005	Flintshire / Sir y Fflint	Clwyd	Wales / Cymru	WAL	93.8	47.3	74.3	*214*	*113*	*345*	71	38	115	17	156	18
W06000006	Wrexham / Wrecsam	Clwyd	Wales / Cymru	WAL	122.2	51.7	87.6	*233*	*103*	*340*	78	34	113	10	77	16
W06000010	Carmarthenshire / Sir Gaerfyrddin	Dyfed	Wales / Cymru	WAL	106.4	51.3	81.6	*315*	*164*	*496*	105	55	165	12	103	10
W06000008	Ceredigion	Dyfed	Wales / Cymru	WAL	115.8	33.4	76.6	*132*	*42*	*180*	44	14	60	15	140	20
W06000009	Pembrokeshire / Sir Benfro	Dyfed	Wales / Cymru	WAL	90.4	42.5	72.9	*191*	*95*	*303*	64	32	101	18	168	13
W06000019	Blaenau Gwent	Gwent	Wales / Cymru	WAL	149.3	44.3	102.4	*146*	*45*	*203*	49	15	68	4	27	1
W06000018	Caerphilly / Caerffili	Gwent	Wales / Cymru	WAL	141.7	60.7	100.5	*350*	*160*	*512*	117	53	171	5	31	5
W06000021	Monmouthshire / Sir Fynwy	Gwent	Wales / Cymru	WAL	69.6	39.7	56.7	*108*	*66*	*179*	36	22	60	22	285	22
W06000022	Newport / Casnewydd	Gwent	Wales / Cymru	WAL	153.4	61.2	104.1	*287*	*121*	*401*	96	40	134	2	22	7
W06000020	Torfaen / Tor-faen	Gwent	Wales / Cymru	WAL	129.0	67.0	95.3	*167*	*94*	*256*	56	31	85	6	44	6
W06000002	Gwynedd	Gwynedd	Wales / Cymru	WAL	106.8	38.1	74.8	*199*	*74*	*280*	66	25	93	16	149	17
W06000001	Isle of Anglesey / Ynys Môn	Gwynedd	Wales / Cymru	WAL	100.7	62.1	79.4	*115*	*74*	*186*	38	25	62	13	121	11
W06000013	Bridgend / Pen-y-bont ar Ogwr	Mid Glamorgan / Morgannwg Ganol	Wales / Cymru	WAL	122.5	59.6	92.9	*248*	*132*	*391*	83	44	130	9	56	8
W06000024	Merthyr Tydfil / Merthyr Tudful	Mid Glamorgan / Morgannwg Ganol	Wales / Cymru	WAL	150.2	61.3	103.7	*119*	*53*	*170*	40	18	57	3	23	2
W06000016	Rhondda Cynon Taf / Rhondda Cynon Taf	Mid Glamorgan / Morgannwg Ganol	Wales / Cymru	WAL	125.8	59.5	94.2	*410*	*204*	*631*	137	68	210	8	52	4
W06000023	Powys	Powys	Wales / Cymru	WAL	81.1	36.2	63.0	*192*	*90*	*295*	64	30	98	21	243	21
W06000015	Cardiff / Caerdydd	South Glamorgan / De Morgannwg	Wales / Cymru	WAL	118.8	38.6	76.8	*446*	*153*	*594*	149	51	198	14	139	15
W06000014	Vale of Glamorgan / Bro Morgannwg	South Glamorgan / De Morgannwg	Wales / Cymru	WAL	89.9	36.8	64.9	*168*	*76*	*255*	56	25	85	20	231	19
W06000012	Neath Port Talbot / Castell-nedd Port Talbot	West Glamorgan / Gorllewin Morgannwg	Wales / Cymru	WAL	152.3	63.0	109.2	*309*	*139*	*460*	103	46	153	1	11	3
W06000011	Swansea / Abertawe	West Glamorgan / Gorllewin Morgannwg	Wales / Cymru	WAL	113.1	58.2	86.3	*353*	*201*	*566*	118	67	189	11	81	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 1.27 Age-standardised death rates per 100,000 and number of deaths for coronary heart disease (CHD), all ages by local authority, United Kingdom 2018/20

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					ALL AGES											
					Age standardised CHD death rates per 100,000 - 3 Year Average			*Total number of CHD deaths 2018/20*			Average number of annual CHD deaths for 2018/20			ASDR Rank (1 = highest death rate)		IMD - Rank of average rank (1= most deprived)
LA Code	LA/DC/UA	Ceremonial County (Eng/Wal)	Region/Nation	4N	Men	Women	Total	*Men*	*Women*	*Total*	Men	Women	Total	4N	UK-wide	4N
E06000055	Bedford	Bedfordshire	East of England	ENG	119.8	50.1	81.9	*261*	*143*	*404*	87	48	135	215	280	154
E06000056	Central Bedfordshire	Bedfordshire	East of England	ENG	119.9	55.2	85.3	*431*	*239*	*670*	144	80	223	201	266	258
E06000032	Luton	Bedfordshire	East of England	ENG	144.8	66.5	102.4	*293*	*164*	*457*	98	55	152	98	148	52
E06000036	Bracknell Forest	Berkshire	South East	ENG	134.2	32.5	77.4	*169*	*52*	*221*	56	17	74	247	312	276
E06000038	Reading	Berkshire	South East	ENG	116.0	58.9	86.9	*183*	*113*	*296*	61	38	99	187	252	138
E06000039	Slough	Berkshire	South East	ENG	182.4	86.3	130.1	*210*	*119*	*329*	70	40	110	15	28	72
E06000037	West Berkshire	Berkshire	South East	ENG	111.8	42.5	73.4	*230*	*112*	*342*	77	37	114	273	338	281
E06000040	Windsor and Maidenhead	Berkshire	South East	ENG	109.0	52.0	77.7	*224*	*147*	*371*	75	49	124	244	309	296
E06000041	Wokingham	Berkshire	South East	ENG	95.5	42.9	67.2	*206*	*121*	*327*	69	40	109	294	359	306
E06000023	Bristol, City of	Bristol	South West	ENG	131.3	51.9	86.9	*553*	*300*	*853*	184	100	284	188	253	81
E06000060	Buckinghamshire	Buckinghamshire	South East	ENG	111.0	45.8	74.4	*777*	*468*	*1,245*	259	156	415	264	329	284
E06000042	Milton Keynes	Buckinghamshire	South East	ENG	114.4	52.6	79.1	*287*	*173*	*460*	96	58	153	236	301	169
E07000008	Cambridge	Cambridgeshire	East of England	ENG	106.4	40.0	69.7	*130*	*68*	*198*	43	23	66	286	351	202
E07000009	East Cambridgeshire	Cambridgeshire	East of England	ENG	152.9	52.7	94.4	*181*	*87*	*268*	60	29	89	146	205	260
E07000010	Fenland	Cambridgeshire	East of England	ENG	152.3	56.8	98.4	*236*	*116*	*352*	79	39	117	113	167	51
E07000011	Huntingdonshire	Cambridgeshire	East of England	ENG	115.3	51.8	81.5	*280*	*161*	*441*	93	54	147	222	287	241
E06000031	Peterborough	Cambridgeshire	East of England	ENG	156.1	74.0	111.1	*327*	*204*	*531*	109	68	177	60	97	53
E07000012	South Cambridgeshire	Cambridgeshire	East of England	ENG	115.7	58.3	84.5	*249*	*173*	*422*	83	58	141	204	269	292
E06000049	Cheshire East	Cheshire	North West	ENG	140.9	51.9	92.0	*839*	*415*	*1,254*	280	138	418	159	218	224
E06000050	Cheshire West and Chester	Cheshire	North West	ENG	122.1	56.6	85.9	*606*	*369*	*975*	202	123	325	196	261	180
E06000006	Halton	Cheshire	North West	ENG	171.7	64.5	113.1	*266*	*119*	*385*	89	40	128	50	84	39
E06000007	Warrington	Cheshire	North West	ENG	162.7	67.1	109.4	*428*	*228*	*656*	143	76	219	65	104	172
E06000052	Cornwall	Cornwall	South West	ENG	154.4	69.5	107.4	*1,409*	*859*	*2,268*	470	286	756	74	117	82
E06000053	Isles of Scilly	Cornwall	South West	ENG	*	*	*	*	*	*	*	*	*			
E06000047	County Durham	County Durham	North East	ENG	166.0	83.3	120.3	*1,174*	*754*	*1,928*	391	251	643	29	55	65
E06000005	Darlington	County Durham	North East	ENG	139.6	74.5	104.1	*205*	*146*	*351*	68	49	117	93	141	102
E06000001	Hartlepool	County Durham	North East	ENG	171.5	72.1	116.5	*210*	*115*	*325*	70	38	108	39	71	25
E06000004	Stockton-on-Tees	County Durham	North East	ENG	147.6	74.0	107.9	*372*	*231*	*603*	124	77	201	70	113	111
E07000026	Allerdale	Cumbria	North West	ENG	147.3	68.4	105.1	*236*	*146*	*382*	79	49	127	85	131	107
E07000027	Barrow-in-Furness	Cumbria	North West	ENG	162.0	74.9	115.1	*159*	*90*	*249*	53	30	83	44	77	44
E07000028	Carlisle	Cumbria	North West	ENG	163.1	70.0	111.4	*257*	*147*	*404*	86	49	135	57	94	113
E07000029	Copeland	Cumbria	North West	ENG	198.5	75.6	129.6	*203*	*95*	*298*	68	32	99	16	30	77
E07000030	Eden	Cumbria	North West	ENG	131.9	54.2	87.7	*123*	*68*	*191*	41	23	64	180	243	166
E07000031	South Lakeland	Cumbria	North West	ENG	121.8	48.7	81.6	*239*	*134*	*373*	80	45	124	221	286	238
E07000032	Amber Valley	Derbyshire	East Midlands	ENG	149.0	62.0	100.2	*271*	*152*	*423*	90	51	141	104	156	164
E07000033	Bolsover	Derbyshire	East Midlands	ENG	169.1	71.6	113.9	*176*	*97*	*273*	59	32	91	47	80	58
E07000034	Chesterfield	Derbyshire	East Midlands	ENG	154.0	52.9	97.3	*224*	*107*	*331*	75	36	110	121	176	85
E06000015	Derby	Derbyshire	East Midlands	ENG	169.9	72.2	115.8	*499*	*300*	*799*	166	100	266	42	75	89
E07000035	Derbyshire Dales	Derbyshire	East Midlands	ENG	137.8	51.0	87.8	*168*	*89*	*257*	56	30	86	178	241	259
E07000036	Erewash	Derbyshire	East Midlands	ENG	154.7	66.7	105.6	*248*	*145*	*393*	83	48	131	80	126	165
E07000037	High Peak	Derbyshire	East Midlands	ENG	132.7	56.6	90.3	*167*	*94*	*261*	56	31	87	167	228	199
E07000038	North East Derbyshire	Derbyshire	East Midlands	ENG	126.7	70.7	96.8	*206*	*141*	*347*	69	47	116	124	179	174
E07000039	South Derbyshire	Derbyshire	East Midlands	ENG	151.8	51.5	94.8	*189*	*83*	*272*	63	28	91	144	203	214
E07000040	East Devon	Devon	South West	ENG	117.2	41.5	74.1	*349*	*180*	*529*	116	60	176	266	331	234
E07000041	Exeter	Devon	South West	ENG	145.9	48.6	87.2	*196*	*109*	*305*	65	36	102	186	250	190
E07000042	Mid Devon	Devon	South West	ENG	135.6	51.0	88.7	*173*	*89*	*262*	58	30	87	172	234	159
E07000043	North Devon	Devon	South West	ENG	145.3	55.1	95.4	*234*	*127*	*361*	78	42	120	138	196	121
E06000026	Plymouth	Devon	South West	ENG	145.5	71.4	105.4	*483*	*312*	*795*	161	104	265	84	130	71
E07000044	South Hams	Devon	South West	ENG	108.5	41.0	71.5	*175*	*85*	*260*	58	28	87	278	343	215
E07000045	Teignbridge	Devon	South West	ENG	125.1	46.2	81.6	*290*	*160*	*450*	97	53	150	220	285	183
E06000027	Torbay	Devon	South West	ENG	132.6	60.7	92.6	*318*	*201*	*519*	106	67	173	157	216	48

Table 1.27 Age-standardised death rates per 100,000 and number of deaths for coronary heart disease (CHD), all ages by local authority, United Kingdom 2018/20

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					ALL AGES											
					Age standardised CHD death rates per 100,000 - 3 Year Average			*Total number of CHD deaths 2018/20*			Average number of annual CHD deaths for 2018/20			ASDR Rank (1 = highest death rate)		IMD - Rank of average rank (1= most deprived)
LA Code	LA/DC/UA	Ceremonial County (Eng/Wal)	Region/Nation	4N	Men	Women	Total	*Men*	*Women*	*Total*	Men	Women	Total	4N	UK-wide	4N
E07000046	Torridge	Devon	South West	ENG	154.3	64.2	105.6	*188*	*102*	*290*	63	34	97	82	128	67
E07000047	West Devon	Devon	South West	ENG	121.7	53.7	85.4	*123*	*75*	*198*	41	25	66	199	264	136
E06000058	Bournemouth, Christchurch and Poole	Dorset	South West	ENG	128.1	62.6	91.5	*764*	*536*	*1,300*	255	179	433	163	222	163
E06000059	Dorset	Dorset	South West	ENG	125.9	49.9	84.0	*921*	*514*	*1,435*	307	171	478	208	273	194
E06000043	Brighton and Hove	East Sussex	South East	ENG	122.0	51.8	84.5	*350*	*210*	*560*	117	70	187	205	270	137
E07000061	Eastbourne	East Sussex	South East	ENG	117.0	48.1	78.6	*210*	*139*	*349*	70	46	116	240	305	104
E07000062	Hastings	East Sussex	South East	ENG	143.8	70.6	103.8	*183*	*122*	*305*	61	41	102	95	143	13
E07000063	Lewes	East Sussex	South East	ENG	100.2	40.4	67.7	*181*	*115*	*296*	60	38	99	293	358	191
E07000064	Rother	East Sussex	South East	ENG	115.9	53.3	80.5	*238*	*162*	*400*	79	54	133	228	293	132
E07000065	Wealden	East Sussex	South East	ENG	105.8	40.3	69.0	*295*	*162*	*457*	98	54	152	292	357	248
E07000066	Basildon	Essex	East of England	ENG	141.9	64.6	98.3	*304*	*192*	*496*	101	64	165	117	171	109
E07000067	Braintree	Essex	East of England	ENG	117.9	40.8	75.5	*247*	*113*	*360*	82	38	120	259	324	200
E07000068	Brentwood	Essex	East of England	ENG	129.4	46.9	83.7	*142*	*76*	*218*	47	25	73	210	275	279
E07000069	Castle Point	Essex	East of England	ENG	128.7	52.2	86.1	*185*	*100*	*285*	62	33	95	194	259	179
E07000070	Chelmsford	Essex	East of England	ENG	109.4	45.2	73.3	*256*	*140*	*396*	85	47	132	274	339	254
E07000071	Colchester	Essex	East of England	ENG	113.1	56.2	81.5	*249*	*166*	*415*	83	55	138	223	288	178
E07000072	Epping Forest	Essex	East of England	ENG	140.4	54.7	93.2	*251*	*140*	*391*	84	47	130	152	211	197
E07000073	Harlow	Essex	East of England	ENG	162.0	65.5	107.2	*148*	*88*	*236*	49	29	79	76	119	99
E07000074	Maldon	Essex	East of England	ENG	107.1	63.6	83.9	*115*	*87*	*202*	38	29	67	209	274	207
E07000075	Rochford	Essex	East of England	ENG	123.5	47.0	80.2	*162*	*84*	*246*	54	28	82	231	296	278
E06000033	Southend-on-Sea	Essex	East of England	ENG	145.1	56.3	95.9	*354*	*194*	*548*	118	65	183	132	190	126
E07000076	Tendring	Essex	East of England	ENG	146.9	62.2	100.1	*411*	*243*	*654*	137	81	218	106	158	32
E06000034	Thurrock	Essex	East of England	ENG	164.8	58.1	104.6	*266*	*118*	*384*	89	39	128	88	136	114
E07000077	Uttlesford	Essex	East of England	ENG	115.7	44.3	75.9	*141*	*74*	*215*	47	25	72	257	322	287
E07000078	Cheltenham	Gloucestershire	South West	ENG	142.9	65.6	98.7	*225*	*144*	*369*	75	48	123	112	166	233
E07000079	Cotswold	Gloucestershire	South West	ENG	109.5	46.5	75.1	*169*	*100*	*269*	56	33	90	261	326	266
E07000080	Forest of Dean	Gloucestershire	South West	ENG	142.6	67.2	100.8	*192*	*119*	*311*	64	40	104	102	154	140
E07000081	Gloucester	Gloucestershire	South West	ENG	185.3	74.1	122.2	*273*	*151*	*424*	91	50	141	25	48	135
E06000025	South Gloucestershire	Gloucestershire	South West	ENG	112.6	50.7	78.3	*414*	*249*	*663*	138	83	221	241	306	261
E07000082	Stroud	Gloucestershire	South West	ENG	143.0	64.5	98.4	*244*	*149*	*393*	81	50	131	114	168	272
E07000083	Tewkesbury	Gloucestershire	South West	ENG	147.6	53.0	94.1	*199*	*103*	*302*	66	34	101	149	208	255
E09000002	Barking and Dagenham	Greater London	London	ENG	150.3	67.1	103.5	*228*	*131*	*359*	76	44	120	96	144	5
E09000003	Barnet	Greater London	London	ENG	112.7	50.7	77.9	*466*	*289*	*755*	155	96	252	242	307	181
E09000004	Bexley	Greater London	London	ENG	130.2	51.8	85.3	*365*	*221*	*586*	122	74	195	200	265	187
E09000005	Brent	Greater London	London	ENG	132.0	63.3	95.0	*406*	*238*	*644*	135	79	215	143	201	49
E09000006	Bromley	Greater London	London	ENG	113.1	46.9	75.1	*451*	*271*	*722*	150	90	241	262	327	226
E09000007	Camden	Greater London	London	ENG	103.2	43.5	70.1	*238*	*130*	*368*	79	43	123	284	349	129
E09000001	City of London	Greater London	London	ENG	*	*	*	*	*	*	*	*	*			
E09000008	Croydon	Greater London	London	ENG	130.9	52.4	87.5	*500*	*258*	*758*	167	86	253	183	246	101
E09000009	Ealing	Greater London	London	ENG	124.3	54.9	87.2	*415*	*221*	*636*	138	74	212	185	249	87
E09000010	Enfield	Greater London	London	ENG	134.2	52.2	88.2	*428*	*225*	*653*	143	75	218	176	239	59
E09000011	Greenwich	Greater London	London	ENG	134.5	63.8	96.4	*306*	*179*	*485*	102	60	162	128	184	60
E09000012	Hackney	Greater London	London	ENG	149.1	56.9	99.4	*254*	*106*	*360*	85	35	120	110	162	7
E09000013	Hammersmith and Fulham	Greater London	London	ENG	135.6	58.6	91.6	*194*	*107*	*301*	65	36	100	161	220	95
E09000014	Haringey	Greater London	London	ENG	137.9	70.2	101.1	*285*	*172*	*457*	95	57	152	101	153	37
E09000015	Harrow	Greater London	London	ENG	121.8	60.6	88.5	*357*	*225*	*582*	119	75	194	175	238	196
E09000016	Havering	Greater London	London	ENG	124.4	51.2	81.7	*383*	*243*	*626*	128	81	209	218	283	176
E09000017	Hillingdon	Greater London	London	ENG	149.0	65.9	104.7	*463*	*253*	*716*	154	84	239	87	135	149
E09000018	Hounslow	Greater London	London	ENG	165.9	72.3	114.5	*385*	*208*	*593*	128	69	198	46	79	94
E09000019	Islington	Greater London	London	ENG	134.0	64.6	96.5	*211*	*122*	*333*	70	41	111	127	183	28
E09000020	Kensington and Chelsea	Greater London	London	ENG	83.8	25.0	52.4	*154*	*53*	*207*	51	18	69	307	372	120

Table 1.27 Age-standardised death rates per 100,000 and number of deaths for coronary heart disease (CHD), all ages by local authority, United Kingdom 2018/20

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					ALL AGES											
					Age standardised CHD death rates per 100,000 - 3 Year Average			*Total number of CHD deaths 2018/20*			Average number of annual CHD deaths for 2018/20			ASDR Rank (1 = highest death rate)		IMD - Rank of average rank (1= most deprived)
LA Code	LA/DC/UA	Ceremonial County (Eng/Wal)	Region/Nation	4N	Men	Women	Total	*Men*	*Women*	*Total*	Men	Women	Total	4N	UK-wide	4N
E09000021	Kingston upon Thames	Greater London	London	ENG	135.8	42.7	83.2	*228*	*106*	*334*	76	35	111	212	277	264
E09000022	Lambeth	Greater London	London	ENG	155.7	47.6	95.7	*325*	*120*	*445*	108	40	148	134	192	42
E09000023	Lewisham	Greater London	London	ENG	145.6	57.1	95.6	*316*	*160*	*476*	105	53	159	137	195	35
E09000024	Merton	Greater London	London	ENG	116.0	47.4	77.2	*214*	*119*	*333*	71	40	111	249	314	210
E09000025	Newham	Greater London	London	ENG	159.7	57.6	104.8	*354*	*140*	*494*	118	47	165	86	133	12
E09000026	Redbridge	Greater London	London	ENG	143.1	52.5	93.2	*410*	*189*	*599*	137	63	200	151	210	158
E09000027	Richmond upon Thames	Greater London	London	ENG	112.8	38.5	69.7	*234*	*119*	*353*	78	40	118	285	350	289
E09000028	Southwark	Greater London	London	ENG	123.4	56.0	86.2	*247*	*144*	*391*	82	48	130	193	258	43
E09000029	Sutton	Greater London	London	ENG	108.6	48.6	75.5	*243*	*151*	*394*	81	50	131	260	325	223
E09000030	Tower Hamlets	Greater London	London	ENG	154.7	65.0	107.6	*259*	*116*	*375*	86	39	125	72	115	27
E09000031	Waltham Forest	Greater London	London	ENG	142.6	57.1	95.7	*325*	*159*	*484*	108	53	161	136	194	45
E09000032	Wandsworth	Greater London	London	ENG	128.8	55.5	87.6	*282*	*161*	*443*	94	54	148	181	244	170
E09000033	Westminster	Greater London	London	ENG	81.4	34.0	56.4	*205*	*95*	*300*	68	32	100	306	371	131
E08000001	Bolton	Greater Manchester	North West	ENG	170.0	79.9	121.3	*583*	*332*	*915*	194	111	305	27	51	47
E08000002	Bury	Greater Manchester	North West	ENG	147.5	74.1	107.0	*346*	*224*	*570*	115	75	190	77	121	108
E08000003	Manchester	Greater Manchester	North West	ENG	226.4	110.3	161.8	*844*	*517*	*1,361*	281	172	454	1	1	2
E08000004	Oldham	Greater Manchester	North West	ENG	187.8	95.9	138.6	*492*	*318*	*810*	164	106	270	7	16	29
E08000005	Rochdale	Greater Manchester	North West	ENG	175.0	95.1	131.8	*436*	*300*	*736*	145	100	245	14	26	17
E08000006	Salford	Greater Manchester	North West	ENG	166.9	62.7	111.0	*440*	*201*	*641*	147	67	214	61	98	20
E08000007	Stockport	Greater Manchester	North West	ENG	159.1	75.2	113.8	*643*	*406*	*1,049*	214	135	350	48	81	152
E08000008	Tameside	Greater Manchester	North West	ENG	212.9	113.6	159.6	*565*	*374*	*939*	188	125	313	2	4	23
E08000009	Trafford	Greater Manchester	North West	ENG	154.9	75.1	111.4	*446*	*300*	*746*	149	100	249	59	96	205
E08000010	Wigan	Greater Manchester	North West	ENG	159.9	72.3	111.9	*659*	*356*	*1,015*	220	119	338	53	89	96
E07000084	Basingstoke and Deane	Hampshire	South East	ENG	127.4	65.9	94.2	*269*	*173*	*442*	90	58	147	147	206	240
E07000085	East Hampshire	Hampshire	South East	ENG	102.8	45.3	69.6	*196*	*127*	*323*	65	42	108	287	352	277
E07000086	Eastleigh	Hampshire	South East	ENG	125.2	46.9	81.3	*223*	*118*	*341*	74	39	114	224	289	280
E07000087	Fareham	Hampshire	South East	ENG	118.7	45.7	76.7	*216*	*121*	*337*	72	40	112	255	320	290
E07000088	Gosport	Hampshire	South East	ENG	136.6	63.9	97.0	*160*	*100*	*260*	53	33	87	122	177	127
E07000089	Hart	Hampshire	South East	ENG	99.1	30.7	60.6	*129*	*55*	*184*	43	18	61	303	368	307
E07000090	Havant	Hampshire	South East	ENG	121.1	54.8	84.1	*244*	*150*	*394*	81	50	131	207	272	130
E07000091	New Forest	Hampshire	South East	ENG	108.1	46.6	73.5	*394*	*251*	*645*	131	84	215	271	336	237
E06000044	Portsmouth	Hampshire	South East	ENG	156.9	70.5	108.6	*331*	*200*	*531*	110	67	177	68	110	57
E07000092	Rushmoor	Hampshire	South East	ENG	116.0	55.7	82.3	*116*	*68*	*184*	39	23	61	213	278	193
E06000045	Southampton	Hampshire	South East	ENG	143.5	64.1	99.6	*339*	*202*	*541*	113	67	180	109	161	55
E07000093	Test Valley	Hampshire	South East	ENG	110.9	52.9	78.7	*203*	*134*	*337*	68	45	112	239	304	256
E07000094	Winchester	Hampshire	South East	ENG	103.6	50.1	73.8	*191*	*139*	*330*	64	46	110	270	335	285
E06000019	Herefordshire, County of	Herefordshire	West Midlands	ENG	152.0	64.5	103.1	*476*	*268*	*744*	159	89	248	97	146	134
E07000095	Broxbourne	Hertfordshire	East of England	ENG	144.3	62.1	97.9	*168*	*100*	*268*	56	33	89	120	174	151
E07000096	Dacorum	Hertfordshire	East of England	ENG	109.6	47.6	74.3	*205*	*129*	*334*	68	43	111	265	330	236
E07000242	East Hertfordshire	Hertfordshire	East of England	ENG	121.1	43.3	77.2	*228*	*110*	*338*	76	37	113	250	315	299
E07000098	Hertsmere	Hertfordshire	East of England	ENG	117.4	46.3	77.0	*154*	*88*	*242*	51	29	81	252	317	220
E07000099	North Hertfordshire	Hertfordshire	East of England	ENG	129.5	45.0	81.7	*227*	*113*	*340*	76	38	113	219	284	263
E07000240	St Albans	Hertfordshire	East of England	ENG	88.5	38.0	60.9	*161*	*99*	*260*	54	33	87	302	367	298
E07000243	Stevenage	Hertfordshire	East of England	ENG	137.1	53.9	91.6	*131*	*74*	*205*	44	25	68	162	221	115
E07000102	Three Rivers	Hertfordshire	East of England	ENG	115.2	41.3	73.9	*137*	*72*	*209*	46	24	70	269	334	283
E07000103	Watford	Hertfordshire	East of England	ENG	122.2	42.6	76.4	*107*	*53*	*160*	36	18	53	256	321	192
E07000241	Welwyn Hatfield	Hertfordshire	East of England	ENG	132.7	52.6	87.5	*182*	*97*	*279*	61	32	93	182	245	211
E06000046	Isle of Wight	Isle of Wight	South East	ENG	136.0	57.2	93.4	*353*	*210*	*563*	118	70	188	150	209	79
E07000105	Ashford	Kent	South East	ENG	113.1	46.4	76.9	*193*	*104*	*297*	64	35	99	253	318	150
E07000106	Canterbury	Kent	South East	ENG	123.0	49.8	81.7	*273*	*169*	*442*	91	56	147	216	281	182
E07000107	Dartford	Kent	South East	ENG	129.6	53.8	87.8	*148*	*78*	*226*	49	26	75	179	242	143

Table 1.27 Age-standardised death rates per 100,000 and number of deaths for coronary heart disease (CHD), all ages by local authority, United Kingdom 2018/20

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					Age standardised CHD death rates per 100,000 - 3 Year Average			*Total number of CHD deaths 2018/20*			Average number of annual CHD deaths for 2018/20			ASDR Rank (1 = highest death rate)		IMD - Rank of average rank (1= most deprived)
LA Code	LA/DC/UA	Ceremonial County (Eng/Wal)	Region/Nation	4N	Men	Women	Total	*Men*	*Women*	*Total*	Men	Women	Total	4N	UK-wide	4N
E07000108	Dover	Kent	South East	ENG	121.2	57.0	85.8	*222*	*134*	*356*	74	45	119	198	263	105
E07000112	Folkestone and Hythe (Shepway)	Kent	South East	ENG	123.2	55.1	86.3	*229*	*137*	*366*	76	46	122	191	256	83
E07000109	Gravesham	Kent	South East	ENG	135.5	56.4	92.7	*178*	*95*	*273*	59	32	91	156	215	117
E07000110	Maidstone	Kent	South East	ENG	118.1	42.3	75.7	*259*	*126*	*385*	86	42	128	258	323	185
E06000035	Medway	Kent	South East	ENG	143.4	54.0	92.9	*420*	*204*	*624*	140	68	208	154	213	97
E07000111	Sevenoaks	Kent	South East	ENG	106.6	34.9	66.8	*188*	*86*	*274*	63	29	91	295	360	247
E07000113	Swale	Kent	South East	ENG	141.1	58.1	94.2	*258*	*138*	*396*	86	46	132	148	207	69
E07000114	Thanet	Kent	South East	ENG	153.2	60.0	100.1	*322*	*182*	*504*	107	61	168	105	157	34
E07000115	Tonbridge and Malling	Kent	South East	ENG	131.2	43.3	80.6	*212*	*96*	*308*	71	32	103	227	292	232
E07000116	Tunbridge Wells	Kent	South East	ENG	93.8	39.8	63.8	*154*	*92*	*246*	51	31	82	300	365	267
E06000008	Blackburn with Darwen	Lancashire	North West	ENG	194.4	80.2	132.5	*297*	*144*	*441*	99	48	147	13	25	14
E06000009	Blackpool	Lancashire	North West	ENG	199.1	88.0	138.3	*392*	*215*	*607*	131	72	202	8	17	1
E07000117	Burnley	Lancashire	North West	ENG	175.0	91.9	129.4	*194*	*130*	*324*	65	43	108	17	32	11
E07000118	Chorley	Lancashire	North West	ENG	167.9	83.8	120.9	*248*	*157*	*405*	83	52	135	28	53	189
E07000119	Fylde	Lancashire	North West	ENG	137.6	61.5	95.7	*201*	*126*	*327*	67	42	109	135	193	195
E07000120	Hyndburn	Lancashire	North West	ENG	166.8	106.8	135.6	*169*	*132*	*301*	56	44	100	10	21	18
E07000121	Lancaster	Lancashire	North West	ENG	168.7	79.4	118.9	*330*	*203*	*533*	110	68	178	35	64	110
E07000122	Pendle	Lancashire	North West	ENG	190.4	90.4	134.9	*221*	*126*	*347*	74	42	116	11	22	36
E07000123	Preston	Lancashire	North West	ENG	175.3	72.5	120.1	*264*	*133*	*397*	88	44	132	31	58	46
E07000124	Ribble Valley	Lancashire	North West	ENG	130.0	70.4	98.3	*127*	*92*	*219*	42	31	73	115	169	274
E07000125	Rossendale	Lancashire	North West	ENG	166.6	92.2	126.2	*153*	*101*	*254*	51	34	85	21	38	90
E07000126	South Ribble	Lancashire	North West	ENG	143.2	70.4	103.9	*225*	*144*	*369*	75	48	123	94	142	206
E07000127	West Lancashire	Lancashire	North West	ENG	165.6	69.0	111.7	*271*	*155*	*426*	90	52	142	54	91	175
E07000128	Wyre	Lancashire	North West	ENG	168.4	68.5	113.6	*341*	*185*	*526*	114	62	175	49	83	145
E07000129	Blaby	Leicestershire	East Midlands	ENG	127.8	46.0	79.0	*165*	*85*	*250*	55	28	83	237	302	273
E07000130	Charnwood	Leicestershire	East Midlands	ENG	133.6	52.5	88.8	*301*	*156*	*457*	100	52	152	170	232	239
E07000131	Harborough	Leicestershire	East Midlands	ENG	118.2	50.3	80.4	*162*	*92*	*254*	54	31	85	229	294	300
E07000132	Hinckley and Bosworth	Leicestershire	East Midlands	ENG	135.1	51.6	86.5	*208*	*109*	*317*	69	36	106	190	255	228
E06000016	Leicester	Leicestershire	East Midlands	ENG	187.5	86.4	132.6	*581*	*341*	*922*	194	114	307	12	24	22
E07000133	Melton	Leicestershire	East Midlands	ENG	142.4	47.3	90.1	*113*	*47*	*160*	38	16	53	168	229	242
E07000134	North West Leicestershire	Leicestershire	East Midlands	ENG	142.2	68.7	100.7	*187*	*119*	*306*	62	40	102	103	155	212
E07000135	Oadby and Wigston	Leicestershire	East Midlands	ENG	110.1	39.6	71.0	*95*	*53*	*148*	32	18	49	281	346	243
E07000136	Boston	Lincolnshire	East Midlands	ENG	171.1	71.5	116.3	*165*	*93*	*258*	55	31	86	41	73	84
E07000137	East Lindsey	Lincolnshire	East Midlands	ENG	164.3	77.8	117.9	*450*	*254*	*704*	150	85	235	37	67	30
E07000138	Lincoln	Lincolnshire	East Midlands	ENG	173.1	83.4	121.9	*176*	*124*	*300*	59	41	100	26	49	68
E06000012	North East Lincolnshire	Lincolnshire	Yorkshire & The Humber	ENG	186.6	70.6	122.3	*414*	*208*	*622*	138	69	207	24	46	66
E07000139	North Kesteven	Lincolnshire	East Midlands	ENG	143.4	61.2	98.3	*263*	*141*	*404*	88	47	135	116	170	262
E06000013	North Lincolnshire	Lincolnshire	Yorkshire & The Humber	ENG	162.2	68.5	109.0	*382*	*218*	*600*	127	73	200	66	106	118
E07000140	South Holland	Lincolnshire	East Midlands	ENG	140.5	62.9	99.4	*224*	*126*	*350*	75	42	117	111	163	141
E07000141	South Kesteven	Lincolnshire	East Midlands	ENG	141.6	51.9	92.3	*308*	*151*	*459*	103	50	153	158	217	230
E07000142	West Lindsey	Lincolnshire	East Midlands	ENG	147.6	62.8	101.8	*230*	*117*	*347*	77	39	116	99	149	144
E08000011	Knowsley	Merseyside	North West	ENG	169.7	81.5	120.2	*304*	*192*	*496*	101	64	165	30	57	3
E08000012	Liverpool	Merseyside	North West	ENG	165.0	65.8	110.7	*852*	*418*	*1,270*	284	139	423	62	99	4
E08000014	Sefton	Merseyside	North West	ENG	148.4	57.1	95.9	*622*	*349*	*971*	207	116	324	131	189	88
E08000013	St. Helens	Merseyside	North West	ENG	149.9	79.5	111.7	*369*	*241*	*610*	123	80	203	55	92	40
E08000015	Wirral	Merseyside	North West	ENG	138.7	56.9	93.0	*647*	*364*	*1,011*	216	121	337	153	212	76
E07000143	Breckland	Norfolk	East of England	ENG	137.6	57.1	91.6	*318*	*180*	*498*	106	60	166	160	219	124
E07000144	Broadland	Norfolk	East of England	ENG	124.3	47.1	81.1	*276*	*152*	*428*	92	51	143	226	291	251
E07000145	Great Yarmouth	Norfolk	East of England	ENG	164.4	58.5	105.5	*264*	*121*	*385*	88	40	128	83	129	24
E07000146	King's Lynn and West Norfolk	Norfolk	East of England	ENG	122.1	61.6	88.7	*311*	*209*	*520*	104	70	173	171	233	78
E07000147	North Norfolk	Norfolk	East of England	ENG	125.4	58.1	87.9	*291*	*193*	*484*	97	64	161	177	240	93

Table 1.27 Age-standardised death rates per 100,000 and number of deaths for coronary heart disease (CHD), all ages by local authority, United Kingdom 2018/20

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					Age standardised CHD death rates per 100,000 - 3 Year Average			Total number of CHD deaths 2018/20			Average number of annual CHD deaths for 2018/20			ASDR Rank (1 = highest death rate)		IMD - Rank of average rank (1= most deprived)
LA Code	LA/DC/UA	Ceremonial County (Eng/Wal)	Region/Nation	4N	Men	Women	Total	Men	Women	Total	Men	Women	Total	4N	UK-wide	4N
E07000148	Norwich	Norfolk	East of England	ENG	161.6	71.8	112.8	242	150	392	81	50	131	51	86	61
E07000149	South Norfolk	Norfolk	East of England	ENG	110.8	50.0	76.9	248	153	401	83	51	134	254	319	221
E06000061	North Northamptonshire	Northamptonshire	East Midlands	ENG	123.6	47.2	81.7	531	257	788	177	86	263	217	282	142
E06000062	West Northamptonshire	Northamptonshire	East Midlands	ENG	127.1	58.8	90.7	626	358	984	209	119	328	166	226	222
E06000057	Northumberland	Northumberland	North East	ENG	134.2	52.2	89.4	700	344	1,044	233	115	348	169	231	128
E07000170	Ashfield	Nottinghamshire	East Midlands	ENG	147.0	73.4	106.3	237	147	384	79	49	128	78	124	63
E07000171	Bassetlaw	Nottinghamshire	East Midlands	ENG	140.5	74.2	105.6	246	161	407	82	54	136	81	127	106
E07000172	Broxtowe	Nottinghamshire	East Midlands	ENG	147.6	67.9	104.4	237	143	380	79	48	127	91	139	219
E07000173	Gedling	Nottinghamshire	East Midlands	ENG	142.0	63.7	98.2	224	135	359	75	45	120	118	172	204
E07000174	Mansfield	Nottinghamshire	East Midlands	ENG	164.6	60.6	106.2	231	111	342	77	37	114	79	125	56
E07000175	Newark and Sherwood	Nottinghamshire	East Midlands	ENG	136.5	61.2	95.8	245	141	386	82	47	129	133	191	146
E06000018	Nottingham	Nottinghamshire	East Midlands	ENG	188.5	76.8	127.2	522	279	801	174	93	267	20	36	10
E07000176	Rushcliffe	Nottinghamshire	East Midlands	ENG	130.3	51.0	86.3	222	123	345	74	41	115	192	257	305
E07000177	Cherwell	Oxfordshire	South East	ENG	94.8	46.9	69.1	185	117	302	62	39	101	290	355	216
E07000178	Oxford	Oxfordshire	South East	ENG	116.0	45.6	77.5	160	86	246	53	29	82	246	311	186
E07000179	South Oxfordshire	Oxfordshire	South East	ENG	97.0	40.7	65.9	199	115	314	66	38	105	297	362	294
E07000180	Vale of White Horse	Oxfordshire	South East	ENG	109.5	41.6	72.1	209	108	317	70	36	106	276	341	297
E07000181	West Oxfordshire	Oxfordshire	South East	ENG	120.0	41.8	77.4	202	95	297	67	32	99	248	313	293
E06000017	Rutland	Rutland	East Midlands	ENG	110.3	41.8	71.7	75	37	112	25	12	37	277	342	295
E06000051	Shropshire	Shropshire	West Midlands	ENG	118.4	50.9	82.2	632	359	991	211	120	330	214	279	162
E06000020	Telford and Wrekin	Shropshire	West Midlands	ENG	160.6	76.1	114.7	333	193	526	111	64	175	45	78	98
E06000022	Bath and North East Somerset	Somerset	South West	ENG	132.1	38.5	79.9	332	140	472	111	47	157	234	299	268
E07000187	Mendip	Somerset	South West	ENG	122.4	43.2	77.7	219	108	327	73	36	109	243	308	167
E06000024	North Somerset	Somerset	South West	ENG	113.5	43.7	74.0	383	207	590	128	69	197	268	333	217
E07000188	Sedgemoor	Somerset	South West	ENG	133.6	58.4	92.7	262	152	414	87	51	138	155	214	119
E07000246	Somerset West and Taunton	Somerset	South West	ENG	114.6	47.7	77.0	306	184	490	102	61	163	251	316	139
E07000189	South Somerset	Somerset	South West	ENG	113.4	34.9	69.5	317	135	452	106	45	151	288	353	160
E07000192	Cannock Chase	Staffordshire	West Midlands	ENG	155.9	76.8	111.6	198	127	325	66	42	108	56	93	123
E07000193	East Staffordshire	Staffordshire	West Midlands	ENG	147.1	68.6	104.6	230	142	372	77	47	124	89	137	155
E07000194	Lichfield	Staffordshire	West Midlands	ENG	129.9	58.4	91.3	210	124	334	70	41	111	164	223	244
E07000195	Newcastle-under-Lyme	Staffordshire	West Midlands	ENG	170.4	63.7	111.4	302	149	451	101	50	150	58	95	148
E07000196	South Staffordshire	Staffordshire	West Midlands	ENG	151.6	40.1	87.4	267	97	364	89	32	121	184	247	231
E07000197	Stafford	Staffordshire	West Midlands	ENG	145.4	57.8	96.6	299	150	449	100	50	150	126	181	229
E07000198	Staffordshire Moorlands	Staffordshire	West Midlands	ENG	135.3	65.2	96.2	211	133	344	70	44	115	129	186	201
E06000021	Stoke-on-Trent	Staffordshire	West Midlands	ENG	177.3	98.5	136.5	531	356	887	177	119	296	9	19	15
E07000199	Tamworth	Staffordshire	West Midlands	ENG	141.5	78.4	107.3	130	93	223	43	31	74	75	118	122
E07000200	Babergh	Suffolk	East of England	ENG	111.8	37.7	70.8	181	82	263	60	27	88	282	347	208
E07000244	East Suffolk	Suffolk	East of England	ENG	126.8	53.0	86.1	579	328	907	193	109	302	195	260	156
E07000202	Ipswich	Suffolk	East of England	ENG	115.8	51.0	80.1	188	112	300	63	37	100	232	297	70
E07000203	Mid Suffolk	Suffolk	East of England	ENG	120.1	55.5	84.4	200	121	321	67	40	107	206	271	225
E07000245	West Suffolk	Suffolk	East of England	ENG	124.7	54.5	86.6	327	192	519	109	64	173	189	254	173
E07000207	Elmbridge	Surrey	South East	ENG	89.8	42.3	63.6	162	118	280	54	39	93	301	366	302
E07000208	Epsom and Ewell	Surrey	South East	ENG	84.9	40.0	60.0	86	56	142	29	19	47	304	369	291
E07000209	Guildford	Surrey	South East	ENG	107.9	45.8	73.4	186	112	298	62	37	99	272	337	288
E07000210	Mole Valley	Surrey	South East	ENG	90.3	32.1	58.3	132	68	200	44	23	67	305	370	286
E07000211	Reigate and Banstead	Surrey	South East	ENG	101.0	46.8	71.1	195	134	329	65	45	110	280	345	270
E07000212	Runnymede	Surrey	South East	ENG	110.1	53.0	79.3	118	82	200	39	27	67	235	300	250
E07000213	Spelthorne	Surrey	South East	ENG	120.7	52.7	83.2	159	92	251	53	31	84	211	276	198
E07000214	Surrey Heath	Surrey	South East	ENG	105.0	40.7	69.0	128	71	199	43	24	66	291	356	301
E07000215	Tandridge	Surrey	South East	ENG	94.8	39.8	64.7	123	72	195	41	24	65	299	364	252
E07000216	Waverley	Surrey	South East	ENG	110.5	41.0	70.5	215	126	341	72	42	114	283	348	304

Table 1.27 Age-standardised death rates per 100,000 and number of deaths for coronary heart disease (CHD), all ages by local authority, United Kingdom 2018/20

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					ALL AGES											
					Age standardised CHD death rates per 100,000 - 3 Year Average			*Total number of CHD deaths 2018/20*			Average number of annual CHD deaths for 2018/20			ASDR Rank (1 = highest death rate)		IMD - Rank of average rank (1= most deprived)
LA Code	LA/DC/UA	Ceremonial County (Eng/Wal)	Region/Nation	4N	Men	Women	Total	*Men*	*Women*	*Total*	Men	Women	Total	4N	UK-wide	4N
E07000217	Woking	Surrey	South East	ENG	105.5	42.5	71.2	*134*	*73*	*207*	45	24	69	279	344	275
E08000037	Gateshead	Tyne & Wear	North East	ENG	152.2	63.7	104.3	*419*	*223*	*642*	140	74	214	92	140	54
E08000021	Newcastle upon Tyne	Tyne & Wear	North East	ENG	142.7	58.1	97.0	*447*	*232*	*679*	149	77	226	123	178	73
E08000022	North Tyneside	Tyne & Wear	North East	ENG	158.4	74.1	109.6	*424*	*280*	*704*	141	93	235	64	103	125
E08000023	South Tyneside	Tyne & Wear	North East	ENG	164.5	66.7	107.8	*321*	*183*	*504*	107	61	168	71	114	26
E08000024	Sunderland	Tyne & Wear	North East	ENG	174.6	72.8	116.4	*606*	*336*	*942*	202	112	314	40	72	33
E07000218	North Warwickshire	Warwickshire	West Midlands	ENG	138.4	66.0	100.0	*135*	*80*	*215*	45	27	72	108	160	153
E07000219	Nuneaton and Bedworth	Warwickshire	West Midlands	ENG	187.0	80.3	127.4	*302*	*167*	*469*	101	56	156	19	35	100
E07000220	Rugby	Warwickshire	West Midlands	ENG	154.6	44.5	95.1	*225*	*85*	*310*	75	28	103	142	200	218
E07000221	Stratford-on-Avon	Warwickshire	West Midlands	ENG	134.1	46.3	84.6	*297*	*139*	*436*	99	46	145	203	268	253
E07000222	Warwick	Warwickshire	West Midlands	ENG	123.5	61.0	88.7	*229*	*156*	*385*	76	52	128	173	235	257
E08000025	Birmingham	West Midlands	West Midlands	ENG	167.9	73.6	115.8	*1,795*	*1,039*	*2,834*	598	346	945	43	76	6
E08000026	Coventry	West Midlands	West Midlands	ENG	155.0	69.3	108.9	*553*	*319*	*872*	184	106	291	67	108	80
E08000027	Dudley	West Midlands	West Midlands	ENG	167.8	79.4	119.4	*739*	*461*	*1,200*	246	154	400	34	62	103
E08000028	Sandwell	West Midlands	West Midlands	ENG	222.9	94.2	151.0	*764*	*425*	*1,189*	255	142	396	3	6	8
E08000029	Solihull	West Midlands	West Midlands	ENG	118.5	47.4	79.0	*362*	*216*	*578*	121	72	193	238	303	203
E08000030	Walsall	West Midlands	West Midlands	ENG	180.2	84.3	127.8	*622*	*381*	*1,003*	207	127	334	18	34	31
E08000031	Wolverhampton	West Midlands	West Midlands	ENG	198.7	87.4	138.8	*623*	*352*	*975*	208	117	325	6	15	19
E07000223	Adur	West Sussex	South East	ENG	132.5	64.5	94.5	*133*	*88*	*221*	44	29	74	145	204	161
E07000224	Arun	West Sussex	South East	ENG	131.1	55.0	88.7	*391*	*243*	*634*	130	81	211	174	236	147
E07000225	Chichester	West Sussex	South East	ENG	111.3	46.5	74.6	*248*	*154*	*402*	83	51	134	263	328	209
E07000226	Crawley	West Sussex	South East	ENG	158.0	52.3	100.0	*172*	*80*	*252*	57	27	84	107	159	133
E07000227	Horsham	West Sussex	South East	ENG	98.7	39.5	66.0	*219*	*125*	*344*	73	42	115	296	361	282
E07000228	Mid Sussex	West Sussex	South East	ENG	110.6	36.9	69.3	*234*	*114*	*348*	78	38	116	289	354	303
E07000229	Worthing	West Sussex	South East	ENG	140.2	61.5	96.6	*235*	*166*	*401*	78	55	134	125	180	171
E06000030	Swindon	Wiltshire	South West	ENG	133.9	64.6	96.0	*338*	*207*	*545*	113	69	182	130	187	168
E06000054	Wiltshire	Wiltshire	South West	ENG	128.9	52.7	85.3	*904*	*530*	*1,434*	301	177	478	202	267	227
E07000234	Bromsgrove	Worcestershire	West Midlands	ENG	99.6	38.0	65.6	*156*	*84*	*240*	52	28	80	298	363	265
E07000235	Malvern Hills	Worcestershire	West Midlands	ENG	124.2	46.6	80.3	*186*	*98*	*284*	62	33	95	230	295	184
E07000236	Redditch	Worcestershire	West Midlands	ENG	106.5	47.1	74.0	*113*	*59*	*172*	38	20	57	267	332	116
E07000237	Worcester	Worcestershire	West Midlands	ENG	135.5	57.5	91.3	*158*	*92*	*250*	53	31	83	165	224	157
E07000238	Wychavon	Worcestershire	West Midlands	ENG	108.5	43.8	72.9	*238*	*123*	*361*	79	41	120	275	340	188
E07000239	Wyre Forest	Worcestershire	West Midlands	ENG	137.4	61.0	95.3	*220*	*130*	*350*	73	43	117	139	197	112
E06000011	East Riding of Yorkshire	Yorkshire (East Riding)	Yorkshire & The Humber	ENG	149.9	64.0	101.7	*842*	*488*	*1,330*	281	163	443	100	150	213
E06000010	Kingston upon Hull, City of	Yorkshire (East Riding)	Yorkshire & The Humber	ENG	205.4	96.8	147.3	*557*	*322*	*879*	186	107	293	4	10	9
E07000163	Craven	Yorkshire (North Yorkshire)	Yorkshire & The Humber	ENG	119.5	52.5	81.2	*119*	*79*	*198*	40	26	66	225	290	235
E07000164	Hambleton	Yorkshire (North Yorkshire)	Yorkshire & The Humber	ENG	109.4	57.2	79.9	*166*	*119*	*285*	55	40	95	233	298	249
E07000165	Harrogate	Yorkshire (North Yorkshire)	Yorkshire & The Humber	ENG	129.1	40.1	77.5	*327*	*153*	*480*	109	51	160	245	310	271
E06000002	Middlesbrough	Yorkshire (North Yorkshire)	North East	ENG	182.2	81.7	125.1	*278*	*167*	*445*	93	56	148	22	41	16
E06000003	Redcar and Cleveland	Yorkshire (North Yorkshire)	North East	ENG	168.2	59.7	107.9	*341*	*159*	*500*	114	53	167	69	112	62
E07000166	Richmondshire	Yorkshire (North Yorkshire)	Yorkshire & The Humber	ENG	130.4	49.8	85.9	*100*	*47*	*147*	33	16	49	197	262	245
E07000167	Ryedale	Yorkshire (North Yorkshire)	Yorkshire & The Humber	ENG	144.0	61.0	98.2	*140*	*84*	*224*	47	28	75	119	173	177
E07000168	Scarborough	Yorkshire (North Yorkshire)	Yorkshire & The Humber	ENG	173.4	85.9	124.9	*321*	*221*	*542*	107	74	181	23	42	74
E07000169	Selby	Yorkshire (North Yorkshire)	Yorkshire & The Humber	ENG	130.9	69.0	95.1	*152*	*106*	*258*	51	35	86	141	199	246
E06000014	York	Yorkshire (North Yorkshire)	Yorkshire & The Humber	ENG	142.2	60.1	95.2	*359*	*225*	*584*	120	75	195	140	198	269
E08000016	Barnsley	Yorkshire (South Yorkshire)	Yorkshire & The Humber	ENG	169.6	73.8	116.8	*545*	*302*	*847*	182	101	282	38	69	38
E08000017	Doncaster	Yorkshire (South Yorkshire)	Yorkshire & The Humber	ENG	172.5	76.5	119.9	*695*	*396*	*1,091*	232	132	364	33	60	41
E08000018	Rotherham	Yorkshire (South Yorkshire)	Yorkshire & The Humber	ENG	152.3	65.5	104.6	*527*	*296*	*823*	176	99	274	90	138	50
E08000019	Sheffield	Yorkshire (South Yorkshire)	Yorkshire & The Humber	ENG	170.9	75.3	118.3	*1,121*	*652*	*1,773*	374	217	591	36	66	92
E08000032	Bradford	Yorkshire (West Yorkshire)	Yorkshire & The Humber	ENG	210.7	94.0	145.6	*1,157*	*695*	*1,852*	386	232	617	5	12	21
E08000033	Calderdale	Yorkshire (West Yorkshire)	Yorkshire & The Humber	ENG	155.0	72.3	107.6	*388*	*257*	*645*	129	86	215	73	116	75

Table 1.27 Age-standardised death rates per 100,000 and number of deaths for coronary heart disease (CHD), all ages by local authority, United Kingdom 2018/20

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					ALL AGES											
					Age standardised CHD death rates per 100,000 - 3 Year Average			*Total number of CHD deaths 2018/20*			Average number of annual CHD deaths for 2018/20			ASDR Rank (1 = highest death rate)		IMD - Rank of average rank (1= most deprived)
LA Code	LA/DC/UA	Ceremonial County (Eng/Wal)	Region/Nation	4N	Men	Women	Total	*Men*	*Women*	*Total*	Men	Women	Total	4N	UK-wide	4N
E08000034	Kirklees	Yorkshire (West Yorkshire)	Yorkshire & The Humber	ENG	153.2	76.2	110.4	*783*	*524*	*1,307*	261	175	436	63	100	86
E08000035	Leeds	Yorkshire (West Yorkshire)	Yorkshire & The Humber	ENG	165.1	71.3	112.3	*1,348*	*797*	*2,145*	449	266	715	52	87	91
E08000036	Wakefield	Yorkshire (West Yorkshire)	Yorkshire & The Humber	ENG	170.8	78.0	120.0	*760*	*444*	*1,204*	253	148	401	32	59	64
N09000001	Antrim and Newtownabbey		Northern Ireland	NI	143.4	59.5	96.5	*225*	*129*	*354*	75	43	118	8	182	10
N09000011	Ards and North Down		Northern Ireland	NI	122.5	62.5	87.4	*266*	*175*	*441*	89	58	147	11	248	9
N09000002	Armagh City, Banbridge and Craigavon		Northern Ireland	NI	173.3	59.9	109.0	*370*	*178*	*548*	123	59	183	1	105	7
N09000003	Belfast		Northern Ireland	NI	157.0	82.6	104.7	*534*	*336*	*870*	178	112	290	4	134	4
N09000004	Causeway Coast and Glens		Northern Ireland	NI	123.5	63.1	101.4	*219*	*184*	*403*	73	61	134	5	151	5
N09000005	Derry City and Strabane		Northern Ireland	NI	151.3	64.9	107.1	*229*	*127*	*356*	76	42	119	2	120	1
N09000006	Fermanagh and Omagh		Northern Ireland	NI	155.0	56.5	99.3	*203*	*98*	*301*	68	33	100	6	164	2
N09000007	Lisburn and Castlereagh		Northern Ireland	NI	125.0	66.7	88.6	*208*	*140*	*348*	69	47	116	10	237	11
N09000008	Mid and East Antrim		Northern Ireland	NI	140.6	64.1	97.5	*240*	*152*	*392*	80	51	131	7	175	8
N09000009	Mid Ulster		Northern Ireland	NI	154.2	64.4	106.5	*216*	*133*	*349*	72	44	116	3	122	6
N09000010	Newry, Mourne and Down		Northern Ireland	NI	136.9	67.3	94.9	*259*	*150*	*409*	86	50	136	9	202	3
S12000033	Aberdeen City		Scotland	SCO	178.7	84.0	127.2	*441*	*282*	*723*	147	94	241	14	37	26
S12000034	Aberdeenshire		Scotland	SCO	176.4	89.9	125.5	*549*	*377*	*926*	183	126	309	15	39	29
S12000041	Angus		Scotland	SCO	145.1	79.2	106.5	*249*	*194*	*443*	83	65	148	29	123	20
S12000035	Argyll and Bute		Scotland	SCO	168.3	84.3	122.8	*238*	*155*	*393*	79	52	131	17	45	15
S12000036	City of Edinburgh		Scotland	SCO	163.7	71.3	110.0	*859*	*544*	*1,403*	286	181	468	27	102	30
S12000005	Clackmannanshire		Scotland	SCO	225.3	113.9	161.5	*147*	*94*	*241*	49	31	80	1	2	8
S12000006	Dumfries and Galloway		Scotland	SCO	165.6	83.4	119.6	*406*	*263*	*669*	135	88	223	21	61	10
S12000042	Dundee City		Scotland	SCO	230.6	91.5	149.7	*386*	*229*	*615*	129	76	205	4	7	7
S12000008	East Ayrshire		Scotland	SCO	228.0	109.5	160.6	*364*	*225*	*589*	121	75	196	2	3	6
S12000045	East Dunbartonshire		Scotland	SCO	135.1	56.9	89.6	*210*	*128*	*338*	70	43	113	32	230	31
S12000010	East Lothian		Scotland	SCO	153.8	74.1	108.3	*211*	*141*	*352*	70	47	117	28	111	22
S12000011	East Renfrewshire		Scotland	SCO	144.9	52.6	90.5	*178*	*101*	*279*	59	34	93	31	227	32
S12000014	Falkirk		Scotland	SCO	202.6	109.1	151.5	*411*	*281*	*692*	137	94	231	3	5	16
S12000047	Fife		Scotland	SCO	181.1	78.6	123.2	*891*	*513*	*1,404*	297	171	468	16	43	14
S12000049	Glasgow City		Scotland	SCO	218.2	95.9	146.7	*1,238*	*784*	*2,022*	413	261	674	7	11	4
S12000017	Highland		Scotland	SCO	173.0	80.1	121.2	*587*	*356*	*943*	196	119	314	20	52	19
S12000018	Inverclyde		Scotland	SCO	223.9	96.1	148.0	*232*	*143*	*375*	77	48	125	5	8	3
S12000019	Midlothian		Scotland	SCO	173.1	84.2	121.6	*185*	*119*	*304*	62	40	101	19	50	18
S12000020	Moray		Scotland	SCO	156.8	74.1	110.2	*213*	*133*	*346*	71	44	115	26	101	23
S12000013	Na h-Eileanan Siar		Scotland	SCO	190.8	82.5	130.7	*85*	*52*	*137*	28	17	46	11	27	9
S12000021	North Ayrshire		Scotland	SCO	207.3	95.6	143.2	*392*	*245*	*637*	131	82	212	8	13	2
S12000050	North Lanarkshire		Scotland	SCO	196.8	97.5	139.7	*745*	*488*	*1,233*	248	163	411	9	14	5
S12000023	Orkney Islands		Scotland	SCO	179.0	66.6	117.5	*63*	*29*	*92*	21	10	31	23	68	25
S12000048	Perth and Kinross		Scotland	SCO	154.0	67.8	104.9	*356*	*218*	*574*	119	73	191	30	132	27
S12000038	Renfrewshire		Scotland	SCO	159.7	77.3	113.7	*364*	*231*	*595*	121	77	198	24	82	12
S12000026	Scottish Borders		Scotland	SCO	163.3	72.9	112.0	*282*	*171*	*453*	94	57	151	25	88	21
S12000027	Shetland Islands		Scotland	SCO	186.9	83.1	128.0	*52*	*31*	*83*	17	10	28	13	33	24
S12000028	South Ayrshire		Scotland	SCO	199.5	82.5	132.7	*363*	*208*	*571*	121	69	190	10	23	13
S12000029	South Lanarkshire		Scotland	SCO	188.4	87.1	129.7	*744*	*475*	*1,219*	248	158	406	12	29	11
S12000030	Stirling		Scotland	SCO	175.1	83.3	122.2	*206*	*135*	*341*	69	45	114	18	47	28
S12000039	West Dunbartonshire		Scotland	SCO	206.3	105.1	148.0	*220*	*152*	*372*	73	51	124	6	9	1
S12000040	West Lothian		Scotland	SCO	165.3	82.9	119.2	*333*	*205*	*538*	111	68	179	22	63	17
W06000003	Conwy	Clwyd	Wales / Cymru	WAL	139.5	60.3	96.0	*305*	*189*	*494*	102	63	165	20	188	14
W06000004	Denbighshire / Sir Ddinbych	Clwyd	Wales / Cymru	WAL	177.5	74.7	123.1	*275*	*137*	*412*	92	46	137	5	44	9
W06000005	Flintshire / Sir y Fflint	Clwyd	Wales / Cymru	WAL	145.3	68.2	103.1	*314*	*182*	*496*	105	61	165	15	145	18
W06000006	Wrexham / Wrecsam	Clwyd	Wales / Cymru	WAL	165.2	77.1	118.3	*312*	*175*	*487*	104	58	162	8	65	16
W06000010	Carmarthenshire / Sir Gaerfyrddin	Dyfed	Wales / Cymru	WAL	165.6	75.5	116.7	*500*	*287*	*787*	167	96	262	9	70	10

Table 1.27 Age-standardised death rates per 100,000 and number of deaths for coronary heart disease (CHD), all ages by local authority, United Kingdom 2018/20

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					Age standardised CHD death rates per 100,000 - 3 Year Average			*Total number of CHD deaths 2018/20*			Average number of annual CHD deaths for 2018/20			ASDR Rank (1 = highest death rate)		IMD - Rank of average rank (1= most deprived)
LA Code	LA/DC/UA	Ceremonial County (Eng/Wal)	Region/Nation	4N	Men	Women	Total	*Men*	*Women*	*Total*	Men	Women	Total	4N	UK-wide	4N
W06000008	Ceredigion	Dyfed	Wales / Cymru	WAL	146.1	59.6	101.3	*180*	*97*	*277*	60	32	92	17	152	20
W06000009	Pembrokeshire / Sir Benfro	Dyfed	Wales / Cymru	WAL	155.6	70.1	108.9	*342*	*191*	*533*	114	64	178	14	109	13
W06000019	Blaenau Gwent	Gwent	Wales / Cymru	WAL	189.3	92.8	137.7	*180*	*108*	*288*	60	36	96	1	18	1
W06000018	Caerphilly / Caerffili	Gwent	Wales / Cymru	WAL	188.9	79.5	129.5	*444*	*228*	*672*	148	76	224	3	31	5
W06000021	Monmouthshire / Sir Fynwy	Gwent	Wales / Cymru	WAL	129.7	59.4	91.2	*209*	*127*	*336*	70	42	112	21	225	22
W06000022	Newport / Casnewydd	Gwent	Wales / Cymru	WAL	176.4	73.5	120.3	*323*	*172*	*495*	108	57	165	7	56	7
W06000020	Torfaen / Tor-faen	Gwent	Wales / Cymru	WAL	160.2	84.9	120.3	*210*	*143*	*353*	70	48	118	6	54	6
W06000002	Gwynedd	Gwynedd	Wales / Cymru	WAL	148.5	63.9	103.0	*285*	*167*	*452*	95	56	151	16	147	17
W06000001	Isle of Anglesey / Ynys Môn	Gwynedd	Wales / Cymru	WAL	149.5	74.1	109.0	*177*	*120*	*297*	59	40	99	13	107	11
W06000013	Bridgend / Pen-y-bont ar Ogwr	Mid Glamorgan / Morgannwg Ganol	Wales / Cymru	WAL	165.8	69.6	111.8	*318*	*171*	*489*	106	57	163	12	90	8
W06000024	Merthyr Tydfil / Merthyr Tudful	Mid Glamorgan / Morgannwg Ganol	Wales / Cymru	WAL	190.9	90.2	135.9	*145*	*84*	*229*	48	28	76	2	20	2
W06000016	Rhondda Cynon Taf / Rhondda Cynon Taf	Mid Glamorgan / Morgannwg Ganol	Wales / Cymru	WAL	163.7	76.4	115.8	*502*	*299*	*801*	167	100	267	10	74	4
W06000023	Powys	Powys	Wales / Cymru	WAL	136.0	64.3	96.4	*326*	*199*	*525*	109	66	175	19	185	21
W06000015	Cardiff / Caerdydd	South Glamorgan / De Morgannwg	Wales / Cymru	WAL	160.4	52.0	98.9	*563*	*259*	*822*	188	86	274	18	165	15
W06000014	Vale of Glamorgan / Bro Morgannwg	South Glamorgan / De Morgannwg	Wales / Cymru	WAL	137.6	50.2	87.2	*243*	*126*	*369*	81	42	123	22	251	19
W06000012	Neath Port Talbot / Castell-nedd Port Talbot	West Glamorgan / Gorllewin Morgannwg	Wales / Cymru	WAL	183.4	77.9	125.4	*362*	*199*	*561*	121	66	187	4	40	3
W06000011	Swansea / Abertawe	West Glamorgan / Gorllewin Morgannwg	Wales / Cymru	WAL	166.0	72.4	112.9	*525*	*320*	*845*	175	107	282	11	85	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 1.28 Age-standardised death rates per 100,000 and number of deaths for coronary heart disease (CHD), under 75s by local authority, United Kingdom 2018/20

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					UNDER 75											
					Age standardised CHD death rates per 100,000 - 3 Year Average			*Total number of premature CHD deaths - 2018/20*			Average number of annual CHD deaths - 2018/20			ASDR Rank (1 = highest death rate)		IMD - Rank of average rank (1= most deprived)
LA Code	LA/DC/UA	Ceremonial County (Eng/Wal)	Region/Nation	4N	Men	Women	Total	*Men*	*Women*	*Total*	Men	Women	Total	4N	UK-wide	4N
E06000055	Bedford	Bedfordshire	East of England	ENG	53.4	14.6	33.2	*117*	*31*	*148*	39	10	49	176	234	154
E06000056	Central Bedfordshire	Bedfordshire	East of England	ENG	46.9	16.5	31.3	*177*	*65*	*242*	59	22	81	192	252	258
E06000032	Luton	Bedfordshire	East of England	ENG	69.4	32.4	47.4	*143*	*53*	*196*	48	18	65	56	82	52
E06000036	Bracknell Forest	Berkshire	South East	ENG	50.5	-	28.8	*73*	*12*	*85*	24	4	28	226	289	276
E06000038	Reading	Berkshire	South East	ENG	61.6	-	39.5	*101*	*26*	*127*	34	9	42	110	150	138
E06000039	Slough	Berkshire	South East	ENG	86.2	31.8	56.2	*115*	*35*	*150*	38	12	50	20	34	72
E06000037	West Berkshire	Berkshire	South East	ENG	46.2	14.2	28.1	*102*	*25*	*127*	34	8	42	229	293	281
E06000040	Windsor and Maidenhead	Berkshire	South East	ENG	39.4	16.4	26.3	*76*	*27*	*103*	25	9	34	252	317	296
E06000041	Wokingham	Berkshire	South East	ENG	41.0	-	25.8	*90*	*25*	*115*	30	8	38	261	326	306
E06000023	Bristol, City of	Bristol	South West	ENG	57.2	15.6	36.1	*247*	*70*	*317*	82	23	106	139	192	81
E06000060	Buckinghamshire	Buckinghamshire	South East	ENG	37.4	9.3	23.0	*261*	*68*	*329*	87	23	110	286	351	284
E06000042	Milton Keynes	Buckinghamshire	South East	ENG	47.8	14.8	30.7	*144*	*47*	*191*	48	16	64	203	263	169
E07000008	Cambridge	Cambridgeshire	East of England	ENG	48.4	-	28.3	*57*	*11*	*68*	19	4	23	228	292	202
E07000009	East Cambridgeshire	Cambridgeshire	East of England	ENG	53.0	-	32.3	*66*	*17*	*83*	22	6	28	183	243	260
E07000010	Fenland	Cambridgeshire	East of England	ENG	53.5	28.1	37.9	*81*	*35*	*116*	27	12	39	121	170	51
E07000011	Huntingdonshire	Cambridgeshire	East of England	ENG	44.0	11.4	26.7	*113*	*25*	*138*	38	8	46	246	311	241
E06000031	Peterborough	Cambridgeshire	East of England	ENG	66.7	26.4	43.6	*148*	*49*	*197*	49	16	66	75	109	53
E07000012	South Cambridgeshire	Cambridgeshire	East of England	ENG	35.7	15.0	22.6	*78*	*22*	*100*	26	7	33	288	353	292
E06000049	Cheshire East	Cheshire	North West	ENG	59.0	13.3	35.6	*341*	*83*	*424*	114	28	141	144	198	224
E06000050	Cheshire West and Chester	Cheshire	North West	ENG	52.5	14.4	32.9	*261*	*76*	*337*	87	25	112	178	237	180
E06000006	Halton	Cheshire	North West	ENG	78.7	20.0	47.6	*138*	*34*	*172*	46	11	57	55	81	39
E06000007	Warrington	Cheshire	North West	ENG	68.0	19.3	43.2	*192*	*57*	*249*	64	19	83	81	117	172
E06000052	Cornwall	Cornwall	South West	ENG	58.6	15.7	36.3	*538*	*161*	*699*	179	54	233	137	190	82
E06000053	Isles of Scilly	Cornwall	South West	ENG	*	*	*	*	*	*	*	*	*			
E06000047	County Durham	County Durham	North East	ENG	69.5	24.8	46.6	*529*	*200*	*729*	176	67	243	59	89	65
E06000005	Darlington	County Durham	North East	ENG	65.9	19.5	42.0	*97*	*31*	*128*	32	10	43	91	128	102
E06000001	Hartlepool	County Durham	North East	ENG	86.5	26.7	56.0	*110*	*34*	*144*	37	11	48	21	35	25
E06000004	Stockton-on-Tees	County Durham	North East	ENG	65.1	23.0	43.5	*170*	*63*	*233*	57	21	78	77	112	111
E07000026	Allerdale	Cumbria	North West	ENG	72.9	23.1	46.0	*114*	*33*	*147*	38	11	49	62	92	107
E07000027	Barrow-in-Furness	Cumbria	North West	ENG	72.7	31.1	48.7	*72*	*27*	*99*	24	9	33	47	71	44
E07000028	Carlisle	Cumbria	North West	ENG	75.4	25.9	50.2	*119*	*43*	*162*	40	14	54	42	63	113
E07000029	Copeland	Cumbria	North West	ENG	81.7	30.1	54.5	*90*	*28*	*118*	30	9	39	27	42	77
E07000030	Eden	Cumbria	North West	ENG	42.8	-	28.0	*41*	*13*	*54*	14	4	18	231	296	166
E07000031	South Lakeland	Cumbria	North West	ENG	54.1	19.4	33.4	*98*	*28*	*126*	33	9	42	173	231	238
E07000032	Amber Valley	Derbyshire	East Midlands	ENG	61.8	17.1	39.2	*123*	*35*	*158*	41	12	53	113	153	164
E07000033	Bolsover	Derbyshire	East Midlands	ENG	77.6	27.8	50.3	*91*	*28*	*119*	30	9	40	41	61	58
E07000034	Chesterfield	Derbyshire	East Midlands	ENG	69.4	-	41.5	*105*	*23*	*128*	35	8	43	96	134	85
E06000015	Derby	Derbyshire	East Midlands	ENG	77.4	20.0	47.9	*224*	*61*	*285*	75	20	95	54	78	89
E07000035	Derbyshire Dales	Derbyshire	East Midlands	ENG	51.8	-	29.5	*69*	*11*	*80*	23	4	27	220	282	259
E07000036	Erewash	Derbyshire	East Midlands	ENG	60.1	22.2	39.7	*96*	*34*	*130*	32	11	43	108	148	165
E07000037	High Peak	Derbyshire	East Midlands	ENG	47.1	21.6	32.0	*68*	*25*	*93*	23	8	31	187	247	199
E07000038	North East Derbyshire	Derbyshire	East Midlands	ENG	48.4	17.9	32.2	*78*	*30*	*108*	26	10	36	185	245	174
E07000039	South Derbyshire	Derbyshire	East Midlands	ENG	56.6	-	34.0	*83*	*18*	*101*	28	6	34	168	225	214
E07000040	East Devon	Devon	South West	ENG	39.8	12.2	24.3	*100*	*30*	*130*	33	10	43	279	344	234
E07000041	Exeter	Devon	South West	ENG	50.1	20.3	31.9	*67*	*23*	*90*	22	8	30	188	248	190
E07000042	Mid Devon	Devon	South West	ENG	39.8	-	24.7	*52*	*13*	*65*	17	4	22	275	340	159
E07000043	North Devon	Devon	South West	ENG	53.0	17.8	32.5	*80*	*22*	*102*	27	7	34	181	240	121
E06000026	Plymouth	Devon	South West	ENG	61.8	20.0	40.4	*203*	*70*	*273*	68	23	91	101	141	71
E07000044	South Hams	Devon	South West	ENG	37.6	-	21.4	*61*	*11*	*72*	20	4	24	296	361	215
E07000045	Teignbridge	Devon	South West	ENG	52.4	-	28.9	*118*	*18*	*136*	39	6	45	225	288	183
E06000027	Torbay	Devon	South West	ENG	52.9	17.1	34.4	*116*	*41*	*157*	39	14	52	159	215	48

Table 1.28 Age-standardised death rates per 100,000 and number of deaths for coronary heart disease (CHD), under 75s by local authority, United Kingdom 2018/20

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					UNDER 75											
					Age standardised CHD death rates per 100,000 - 3 Year Average			*Total number of premature CHD deaths - 2018/20*			Average number of annual CHD deaths - 2018/20			ASDR Rank (1 = highest death rate)		IMD - Rank of average rank (1= most deprived)
LA Code	LA/DC/UA	Ceremonial County (Eng/Wal)	Region/Nation	4N	Men	Women	Total	*Men*	*Women*	*Total*	Men	Women	Total	4N	UK-wide	4N
E07000046	Torridge	Devon	South West	ENG	62.2	-	37.0	*74*	*18*	*92*	25	6	31	130	181	67
E07000047	West Devon	Devon	South West	ENG	51.2	-	33.4	*50*	*17*	*67*	17	6	22	174	232	136
E06000058	Bournemouth, Christchurch and Poole	Dorset	South West	ENG	46.4	16.1	30.9	*248*	*92*	*340*	83	31	113	198	258	163
E06000059	Dorset	Dorset	South West	ENG	50.3	9.2	29.0	*327*	*70*	*397*	109	23	132	224	286	194
E06000043	Brighton and Hove	East Sussex	South East	ENG	51.8	10.7	30.3	*155*	*28*	*183*	52	9	61	209	270	137
E07000061	Eastbourne	East Sussex	South East	ENG	45.8	-	28.0	*67*	*20*	*87*	22	7	29	232	297	104
E07000062	Hastings	East Sussex	South East	ENG	67.2	24.6	45.1	*88*	*35*	*123*	29	12	41	69	102	13
E07000063	Lewes	East Sussex	South East	ENG	44.9	-	26.3	*72*	*16*	*88*	24	5	29	251	316	191
E07000064	Rother	East Sussex	South East	ENG	37.4	16.5	24.9	*66*	*27*	*93*	22	9	31	272	337	132
E07000065	Wealden	East Sussex	South East	ENG	34.3	-	20.0	*91*	*20*	*111*	30	7	37	305	370	248
E07000066	Basildon	Essex	East of England	ENG	56.6	16.8	35.7	*125*	*41*	*166*	42	14	55	142	196	109
E07000067	Braintree	Essex	East of England	ENG	40.3	18.1	25.3	*86*	*27*	*113*	29	9	38	267	332	200
E07000068	Brentwood	Essex	East of England	ENG	58.3	-	37.0	*59*	*18*	*77*	20	6	26	131	182	279
E07000069	Castle Point	Essex	East of England	ENG	51.8	-	30.4	*72*	*17*	*89*	24	6	30	208	269	179
E07000070	Chelmsford	Essex	East of England	ENG	42.6	13.3	26.0	*98*	*27*	*125*	33	9	42	256	321	254
E07000071	Colchester	Essex	East of England	ENG	37.5	13.1	24.2	*86*	*30*	*116*	29	10	39	280	345	178
E07000072	Epping Forest	Essex	East of England	ENG	60.3	-	34.8	*104*	*21*	*125*	35	7	42	155	210	197
E07000073	Harlow	Essex	East of England	ENG	81.5	30.0	48.5	*76*	*19*	*95*	25	6	32	48	72	99
E07000074	Maldon	Essex	East of England	ENG	38.6	36.2	29.7	*42*	*26*	*68*	14	9	23	215	277	207
E07000075	Rochford	Essex	East of England	ENG	42.0	-	26.1	*56*	*16*	*72*	19	5	24	255	320	278
E06000033	Southend-on-Sea	Essex	East of England	ENG	70.0	21.7	43.3	*166*	*46*	*212*	55	15	71	79	114	126
E07000076	Tendring	Essex	East of England	ENG	59.0	14.0	35.2	*146*	*41*	*187*	49	14	62	149	204	32
E06000034	Thurrock	Essex	East of England	ENG	70.2	23.1	46.4	*135*	*43*	*178*	45	14	59	61	91	114
E07000077	Uttlesford	Essex	East of England	ENG	41.4	-	26.9	*52*	*17*	*69*	17	6	23	245	310	287
E07000078	Cheltenham	Gloucestershire	South West	ENG	62.0	24.0	40.9	*91*	*34*	*125*	30	11	42	99	137	233
E07000079	Cotswold	Gloucestershire	South West	ENG	44.4	-	27.1	*65*	*18*	*83*	22	6	28	242	307	266
E07000080	Forest of Dean	Gloucestershire	South West	ENG	50.7	29.5	35.5	*71*	*31*	*102*	24	10	34	145	199	140
E07000081	Gloucester	Gloucestershire	South West	ENG	72.4	23.9	47.3	*113*	*40*	*153*	38	13	51	57	83	135
E06000025	South Gloucestershire	Gloucestershire	South West	ENG	39.0	13.9	26.1	*140*	*53*	*193*	47	18	64	254	319	261
E07000082	Stroud	Gloucestershire	South West	ENG	53.6	24.1	33.5	*99*	*29*	*128*	33	10	43	172	230	272
E07000083	Tewkesbury	Gloucestershire	South West	ENG	54.4	-	31.1	*73*	*14*	*87*	24	5	29	194	254	255
E09000002	Barking and Dagenham	Greater London	London	ENG	82.5	25.1	52.6	*138*	*44*	*182*	46	15	61	29	47	5
E09000003	Barnet	Greater London	London	ENG	45.2	17.4	30.7	*186*	*77*	*263*	62	26	88	202	262	181
E09000004	Bexley	Greater London	London	ENG	46.7	13.8	29.6	*130*	*41*	*171*	43	14	57	219	281	187
E09000005	Brent	Greater London	London	ENG	59.8	16.2	37.6	*202*	*54*	*256*	67	18	85	122	172	49
E09000006	Bromley	Greater London	London	ENG	42.3	10.8	25.7	*166*	*46*	*212*	55	15	71	263	328	226
E09000007	Camden	Greater London	London	ENG	44.6	18.7	31.1	*108*	*47*	*155*	36	16	52	195	255	129
E09000001	City of London	Greater London	London	ENG	*	*	*	*	*	*	*	*	*			
E09000008	Croydon	Greater London	London	ENG	57.8	13.3	34.4	*234*	*58*	*292*	78	19	97	160	216	101
E09000009	Ealing	Greater London	London	ENG	60.1	17.1	37.9	*210*	*61*	*271*	70	20	90	120	169	87
E09000010	Enfield	Greater London	London	ENG	60.1	16.4	37.2	*201*	*61*	*262*	67	20	87	127	178	59
E09000011	Greenwich	Greater London	London	ENG	59.3	19.1	38.9	*158*	*51*	*209*	53	17	70	115	158	60
E09000012	Hackney	Greater London	London	ENG	71.5	15.5	41.6	*147*	*31*	*178*	49	10	59	94	132	7
E09000013	Hammersmith and Fulham	Greater London	London	ENG	62.8	20.3	36.2	*98*	*26*	*124*	33	9	41	138	191	95
E09000014	Haringey	Greater London	London	ENG	60.8	20.6	39.4	*148*	*54*	*202*	49	18	67	111	151	37
E09000015	Harrow	Greater London	London	ENG	43.4	13.2	27.8	*124*	*40*	*164*	41	13	55	233	298	196
E09000016	Havering	Greater London	London	ENG	51.1	15.2	32.3	*156*	*50*	*206*	52	17	69	184	244	176
E09000017	Hillingdon	Greater London	London	ENG	64.0	14.4	38.7	*202*	*46*	*248*	67	15	83	116	161	149
E09000018	Hounslow	Greater London	London	ENG	61.7	19.0	40.0	*166*	*52*	*218*	55	17	73	104	144	94
E09000019	Islington	Greater London	London	ENG	63.9	21.1	40.0	*109*	*36*	*145*	36	12	48	103	143	28
E09000020	Kensington and Chelsea	Greater London	London	ENG	36.0	-	20.9	*63*	*16*	*79*	21	5	26	299	364	120

Table 1.28 Age-standardised death rates per 100,000 and number of deaths for coronary heart disease (CHD), under 75s by local authority, United Kingdom 2018/20

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					UNDER 75											
					Age standardised CHD death rates per 100,000 - 3 Year Average			*Total number of premature CHD deaths - 2018/20*			Average number of annual CHD deaths - 2018/20			ASDR Rank (1 = highest death rate)		IMD - Rank of average rank (1= most deprived)
LA Code	LA/DC/UA	Ceremonial County (Eng/Wal)	Region/Nation	4N	Men	Women	Total	*Men*	*Women*	*Total*	Men	Women	Total	4N	UK-wide	4N
E09000021	Kingston upon Thames	Greater London	London	ENG	44.8	-	27.1	*79*	*20*	*99*	26	7	33	243	308	264
E09000022	Lambeth	Greater London	London	ENG	74.6	15.4	42.4	*176*	*34*	*210*	59	11	70	87	123	42
E09000023	Lewisham	Greater London	London	ENG	66.3	18.2	41.0	*167*	*47*	*214*	56	16	71	98	136	35
E09000024	Merton	Greater London	London	ENG	43.2	15.6	27.5	*86*	*29*	*115*	29	10	38	236	301	210
E09000025	Newham	Greater London	London	ENG	86.7	20.7	52.1	*217*	*57*	*274*	72	19	91	31	49	12
E09000026	Redbridge	Greater London	London	ENG	59.6	14.1	36.4	*185*	*43*	*228*	62	14	76	135	188	158
E09000027	Richmond upon Thames	Greater London	London	ENG	39.7	12.7	24.8	*91*	*27*	*118*	30	9	39	273	338	289
E09000028	Southwark	Greater London	London	ENG	56.8	15.8	35.3	*133*	*42*	*175*	44	14	58	147	202	43
E09000029	Sutton	Greater London	London	ENG	41.2	17.5	25.1	*96*	*24*	*120*	32	8	40	269	334	223
E09000030	Tower Hamlets	Greater London	London	ENG	77.2	22.4	49.5	*150*	*41*	*191*	50	14	64	44	67	27
E09000031	Waltham Forest	Greater London	London	ENG	64.1	17.6	39.9	*163*	*44*	*207*	54	15	69	105	145	45
E09000032	Wandsworth	Greater London	London	ENG	56.5	18.7	34.7	*137*	*40*	*177*	46	13	59	156	211	170
E09000033	Westminster	Greater London	London	ENG	42.9	13.1	25.9	*109*	*26*	*135*	36	9	45	259	324	131
E08000001	Bolton	Greater Manchester	North West	ENG	88.3	28.7	57.8	*313*	*108*	*421*	104	36	140	14	24	47
E08000002	Bury	Greater Manchester	North West	ENG	64.2	24.9	43.9	*157*	*65*	*222*	52	22	74	73	106	108
E08000003	Manchester	Greater Manchester	North West	ENG	108.3	43.3	75.6	*473*	*185*	*658*	158	62	219	1	1	2
E08000004	Oldham	Greater Manchester	North West	ENG	89.9	26.6	57.1	*245*	*78*	*323*	82	26	108	17	29	29
E08000005	Rochdale	Greater Manchester	North West	ENG	81.4	33.1	56.7	*220*	*94*	*314*	73	31	105	18	31	17
E08000006	Salford	Greater Manchester	North West	ENG	82.6	20.8	51.9	*229*	*57*	*286*	76	19	95	32	50	20
E08000007	Stockport	Greater Manchester	North West	ENG	67.9	18.2	42.4	*266*	*75*	*341*	89	25	114	86	122	152
E08000008	Tameside	Greater Manchester	North West	ENG	89.9	33.0	61.2	*266*	*100*	*366*	89	33	122	9	15	23
E08000009	Trafford	Greater Manchester	North West	ENG	68.2	19.3	43.1	*193*	*59*	*252*	64	20	84	82	118	205
E08000010	Wigan	Greater Manchester	North West	ENG	68.2	22.7	45.2	*313*	*106*	*419*	104	35	140	66	99	96
E07000084	Basingstoke and Deane	Hampshire	South East	ENG	46.3	15.8	30.7	*106*	*38*	*144*	35	13	48	201	261	240
E07000085	East Hampshire	Hampshire	South East	ENG	30.1	16.3	20.2	*56*	*23*	*79*	19	8	26	303	368	277
E07000086	Eastleigh	Hampshire	South East	ENG	39.3	-	24.7	*69*	*21*	*90*	23	7	30	276	341	280
E07000087	Fareham	Hampshire	South East	ENG	34.0	-	22.2	*58*	*22*	*80*	19	7	27	292	357	290
E07000088	Gosport	Hampshire	South East	ENG	64.1	24.6	41.7	*76*	*26*	*102*	25	9	34	92	130	127
E07000089	Hart	Hampshire	South East	ENG	33.9	-	20.2	*44*	*10*	*54*	15	3	18	302	367	307
E07000090	Havant	Hampshire	South East	ENG	45.0	21.4	29.5	*83*	*30*	*113*	28	10	38	221	283	130
E07000091	New Forest	Hampshire	South East	ENG	36.6	10.5	22.4	*111*	*31*	*142*	37	10	47	291	356	237
E06000044	Portsmouth	Hampshire	South East	ENG	59.9	24.1	41.7	*135*	*56*	*191*	45	19	64	93	131	57
E07000092	Rushmoor	Hampshire	South East	ENG	48.8	28.7	34.4	*54*	*21*	*75*	18	7	25	161	217	193
E06000045	Southampton	Hampshire	South East	ENG	65.2	25.3	45.2	*164*	*64*	*228*	55	21	76	67	100	55
E07000093	Test Valley	Hampshire	South East	ENG	39.0	-	24.7	*70*	*22*	*92*	23	7	31	274	339	256
E07000094	Winchester	Hampshire	South East	ENG	33.8	-	20.5	*58*	*15*	*73*	19	5	24	300	365	285
E06000019	Herefordshire, County of	Herefordshire	West Midlands	ENG	55.1	18.5	36.3	*167*	*60*	*227*	56	20	76	136	189	134
E07000095	Broxbourne	Hertfordshire	East of England	ENG	63.1	27.2	39.1	*72*	*22*	*94*	24	7	31	114	154	151
E07000096	Dacorum	Hertfordshire	East of England	ENG	48.4	-	29.6	*92*	*25*	*117*	31	8	39	217	279	236
E07000242	East Hertfordshire	Hertfordshire	East of England	ENG	40.7	16.7	25.5	*81*	*22*	*103*	27	7	34	265	330	299
E07000098	Hertsmere	Hertfordshire	East of England	ENG	47.1	-	29.9	*59*	*20*	*79*	20	7	26	212	274	220
E07000099	North Hertfordshire	Hertfordshire	East of England	ENG	50.3	16.7	30.1	*87*	*20*	*107*	29	7	36	210	272	263
E07000240	St Albans	Hertfordshire	East of England	ENG	40.8	-	22.5	*71*	*10*	*81*	24	3	27	290	355	298
E07000243	Stevenage	Hertfordshire	East of England	ENG	56.5	-	34.2	*57*	*13*	*70*	19	4	23	162	218	115
E07000102	Three Rivers	Hertfordshire	East of England	ENG	48.6	-	26.4	*57*	*7*	*64*	19	2	21	250	315	283
E07000103	Watford	Hertfordshire	East of England	ENG	48.3	-	29.6	*45*	*12*	*57*	15	4	19	216	278	192
E07000241	Welwyn Hatfield	Hertfordshire	East of England	ENG	54.2	32.2	39.9	*70*	*34*	*104*	23	11	35	107	147	211
E06000046	Isle of Wight	Isle of Wight	South East	ENG	56.3	-	31.6	*138*	*22*	*160*	46	7	53	189	249	79
E07000105	Ashford	Kent	South East	ENG	50.3	-	30.5	*89*	*21*	*110*	30	7	37	206	267	150
E07000106	Canterbury	Kent	South East	ENG	50.8	17.8	30.9	*107*	*30*	*137*	36	10	46	199	259	182
E07000107	Dartford	Kent	South East	ENG	58.9	-	35.7	*68*	*17*	*85*	23	6	28	143	197	143

Table 1.28 Age-standardised death rates per 100,000 and number of deaths for coronary heart disease (CHD), under 75s by local authority, United Kingdom 2018/20

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					UNDER 75											
					Age standardised CHD death rates per 100,000 - 3 Year Average			*Total number of premature CHD deaths - 2018/20*			Average number of annual CHD deaths - 2018/20			ASDR Rank (1 = highest death rate)		IMD - Rank of average rank (1= most deprived)
LA Code	LA/DC/UA	Ceremonial County (Eng/Wal)	Region/Nation	4N	Men	Women	Total	*Men*	*Women*	*Total*	Men	Women	Total	4N	UK-wide	4N
E07000108	Dover	Kent	South East	ENG	41.2	14.9	27.3	*78*	*26*	*104*	26	9	35	239	304	105
E07000112	Folkestone and Hythe (Shepway)	Kent	South East	ENG	53.6	28.2	34.0	*95*	*28*	*123*	32	9	41	169	226	83
E07000109	Gravesham	Kent	South East	ENG	58.5	-	37.0	*76*	*22*	*98*	25	7	33	129	180	117
E07000110	Maidstone	Kent	South East	ENG	48.5	13.6	29.4	*109*	*27*	*136*	36	9	45	222	284	185
E06000035	Medway	Kent	South East	ENG	57.0	17.6	36.9	*192*	*62*	*254*	64	21	85	133	185	97
E07000111	Sevenoaks	Kent	South East	ENG	43.4	-	24.6	*72*	*13*	*85*	24	4	28	277	342	247
E07000113	Swale	Kent	South East	ENG	48.3	17.5	32.5	*100*	*37*	*137*	33	12	46	180	239	69
E07000114	Thanet	Kent	South East	ENG	59.1	19.5	37.1	*124*	*40*	*164*	41	13	55	128	179	34
E07000115	Tonbridge and Malling	Kent	South East	ENG	44.4	16.3	27.7	*76*	*22*	*98*	25	7	33	235	300	232
E07000116	Tunbridge Wells	Kent	South East	ENG	37.6	-	22.8	*59*	*14*	*73*	20	5	24	287	352	267
E06000008	Blackburn with Darwen	Lancashire	North West	ENG	90.7	28.6	59.5	*158*	*49*	*207*	53	16	69	12	21	14
E06000009	Blackpool	Lancashire	North West	ENG	107.0	40.1	73.5	*213*	*80*	*293*	71	27	98	2	2	1
E07000117	Burnley	Lancashire	North West	ENG	87.0	36.9	61.5	*102*	*45*	*147*	34	15	49	7	12	11
E07000118	Chorley	Lancashire	North West	ENG	61.4	21.2	41.3	*107*	*37*	*144*	36	12	48	97	135	189
E07000119	Fylde	Lancashire	North West	ENG	56.2	-	35.2	*76*	*21*	*97*	25	7	32	150	205	195
E07000120	Hyndburn	Lancashire	North West	ENG	80.5	41.1	57.5	*85*	*39*	*124*	28	13	41	16	26	18
E07000121	Lancaster	Lancashire	North West	ENG	76.4	23.4	49.0	*147*	*49*	*196*	49	16	65	46	69	110
E07000122	Pendle	Lancashire	North West	ENG	92.9	37.2	64.6	*114*	*47*	*161*	38	16	54	5	9	36
E07000123	Preston	Lancashire	North West	ENG	83.7	28.9	54.0	*133*	*38*	*171*	44	13	57	28	43	46
E07000124	Ribble Valley	Lancashire	North West	ENG	51.9	28.2	35.4	*50*	*20*	*70*	17	7	23	146	200	274
E07000125	Rossendale	Lancashire	North West	ENG	84.2	38.9	61.3	*85*	*40*	*125*	28	13	42	8	13	90
E07000126	South Ribble	Lancashire	North West	ENG	67.0	18.3	40.7	*108*	*28*	*136*	36	9	45	100	138	206
E07000127	West Lancashire	Lancashire	North West	ENG	73.2	18.9	43.9	*119*	*31*	*150*	40	10	50	74	107	175
E07000128	Wyre	Lancashire	North West	ENG	87.5	24.9	55.2	*162*	*49*	*211*	54	16	70	25	40	145
E07000129	Blaby	Leicestershire	East Midlands	ENG	38.0	-	23.6	*54*	*15*	*69*	18	5	23	283	348	273
E07000130	Charnwood	Leicestershire	East Midlands	ENG	51.4	22.1	34.2	*119*	*42*	*161*	40	14	54	163	219	239
E07000131	Harborough	Leicestershire	East Midlands	ENG	46.9	-	27.8	*67*	*14*	*81*	22	5	27	234	299	300
E07000132	Hinckley and Bosworth	Leicestershire	East Midlands	ENG	55.7	20.0	35.3	*95*	*28*	*123*	32	9	41	148	203	228
E06000016	Leicester	Leicestershire	East Midlands	ENG	95.8	28.8	61.9	*322*	*98*	*420*	107	33	140	6	10	22
E07000133	Melton	Leicestershire	East Midlands	ENG	57.4	-	35.1	*48*	*11*	*59*	16	4	20	153	208	242
E07000134	North West Leicestershire	Leicestershire	East Midlands	ENG	51.3	-	33.1	*79*	*23*	*102*	26	8	34	177	235	212
E07000135	Oadby and Wigston	Leicestershire	East Midlands	ENG	61.8	-	30.6	*38*	*10*	*48*	13	3	16	204	264	243
E07000136	Boston	Lincolnshire	East Midlands	ENG	74.6	27.8	48.4	*73*	*24*	*97*	24	8	32	49	73	84
E07000137	East Lindsey	Lincolnshire	East Midlands	ENG	68.7	25.7	46.6	*183*	*71*	*254*	61	24	85	58	87	30
E07000138	Lincoln	Lincolnshire	East Midlands	ENG	65.0	29.2	43.2	*70*	*25*	*95*	23	8	32	80	116	68
E06000012	North East Lincolnshire	Lincolnshire	Yorkshire & The Humber	ENG	78.7	24.0	50.8	*174*	*56*	*230*	58	19	77	37	57	66
E07000139	North Kesteven	Lincolnshire	East Midlands	ENG	50.0	19.5	31.1	*88*	*26*	*114*	29	9	38	196	256	262
E06000013	North Lincolnshire	Lincolnshire	Yorkshire & The Humber	ENG	62.5	22.6	42.4	*160*	*59*	*219*	53	20	73	88	124	118
E07000140	South Holland	Lincolnshire	East Midlands	ENG	62.3	19.6	38.5	*93*	*24*	*117*	31	8	39	118	164	141
E07000141	South Kesteven	Lincolnshire	East Midlands	ENG	57.3	12.5	34.1	*126*	*30*	*156*	42	10	52	165	222	230
E07000142	West Lindsey	Lincolnshire	East Midlands	ENG	58.9	20.3	37.3	*95*	*27*	*122*	32	9	41	125	175	144
E08000011	Knowsley	Merseyside	North West	ENG	86.1	32.0	57.5	*163*	*66*	*229*	54	22	76	15	25	3
E08000012	Liverpool	Merseyside	North West	ENG	86.7	26.4	55.9	*469*	*149*	*618*	156	50	206	22	36	4
E08000014	Sefton	Merseyside	North West	ENG	70.5	20.3	44.3	*281*	*90*	*371*	94	30	124	71	104	88
E08000013	St. Helens	Merseyside	North West	ENG	72.6	30.3	51.0	*183*	*80*	*263*	61	27	88	35	55	40
E08000015	Wirral	Merseyside	North West	ENG	62.7	19.0	40.0	*289*	*96*	*385*	96	32	128	102	142	76
E07000143	Breckland	Norfolk	East of England	ENG	47.2	16.4	30.6	*105*	*35*	*140*	35	12	47	205	266	124
E07000144	Broadland	Norfolk	East of England	ENG	44.4	-	26.0	*92*	*21*	*113*	31	7	38	258	323	251
E07000145	Great Yarmouth	Norfolk	East of England	ENG	72.7	21.1	45.7	*114*	*31*	*145*	38	10	48	64	95	24
E07000146	King's Lynn and West Norfolk	Norfolk	East of England	ENG	51.4	18.0	34.0	*121*	*47*	*168*	40	16	56	166	223	78
E07000147	North Norfolk	Norfolk	East of England	ENG	41.0	-	25.3	*86*	*24*	*110*	29	8	37	266	331	93

Table 1.28 Age-standardised death rates per 100,000 and number of deaths for coronary heart disease (CHD), under 75s by local authority, United Kingdom 2018/20

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					UNDER 75											
					Age standardised CHD death rates per 100,000 - 3 Year Average			*Total number of premature CHD deaths - 2018/20*			Average number of annual CHD deaths - 2018/20			ASDR Rank (1 = highest death rate)		IMD - Rank of average rank (1= most deprived)
LA Code	LA/DC/UA	Ceremonial County (Eng/Wal)	Region/Nation	4N	Men	Women	Total	*Men*	*Women*	*Total*	Men	Women	Total	4N	UK-wide	4N
E07000148	Norwich	Norfolk	East of England	ENG	75.0	33.6	48.0	*107*	*34*	*141*	36	11	47	53	77	61
E07000149	South Norfolk	Norfolk	East of England	ENG	34.7	13.4	22.1	*75*	*24*	*99*	25	8	33	293	358	221
E06000061	North Northamptonshire	Northamptonshire	East Midlands	ENG	50.1	14.0	31.5	*232*	*69*	*301*	77	23	100	190	250	142
E06000062	West Northamptonshire	Northamptonshire	East Midlands	ENG	54.5	16.5	35.1	*289*	*91*	*380*	96	30	127	151	206	222
E06000057	Northumberland	Northumberland	North East	ENG	60.6	14.9	36.9	*318*	*84*	*402*	106	28	134	132	183	128
E07000170	Ashfield	Nottinghamshire	East Midlands	ENG	61.1	26.2	43.5	*108*	*47*	*155*	36	16	52	76	110	63
E07000171	Bassetlaw	Nottinghamshire	East Midlands	ENG	62.9	22.7	42.5	*113*	*41*	*154*	38	14	51	85	121	106
E07000172	Broxtowe	Nottinghamshire	East Midlands	ENG	62.4	20.9	39.3	*100*	*29*	*129*	33	10	43	112	152	219
E07000173	Gedling	Nottinghamshire	East Midlands	ENG	50.1	17.0	30.9	*83*	*23*	*106*	28	8	35	200	260	204
E07000174	Mansfield	Nottinghamshire	East Midlands	ENG	69.3	20.9	42.7	*106*	*26*	*132*	35	9	44	84	120	56
E07000175	Newark and Sherwood	Nottinghamshire	East Midlands	ENG	51.5	17.6	32.9	*94*	*29*	*123*	31	10	41	179	238	146
E06000018	Nottingham	Nottinghamshire	East Midlands	ENG	88.2	28.9	58.6	*263*	*86*	*349*	88	29	116	13	22	10
E07000176	Rushcliffe	Nottinghamshire	East Midlands	ENG	48.2	-	28.6	*81*	*17*	*98*	27	6	33	227	291	305
E07000177	Cherwell	Oxfordshire	South East	ENG	35.2	15.1	24.5	*68*	*28*	*96*	23	9	32	278	343	216
E07000178	Oxford	Oxfordshire	South East	ENG	58.3	-	35.0	*78*	*18*	*96*	26	6	32	154	209	186
E07000179	South Oxfordshire	Oxfordshire	South East	ENG	34.8	-	22.1	*68*	*22*	*90*	23	7	30	294	359	294
E07000180	Vale of White Horse	Oxfordshire	South East	ENG	35.0	-	21.6	*64*	*16*	*80*	21	5	27	295	360	297
E07000181	West Oxfordshire	Oxfordshire	South East	ENG	49.5	-	29.1	*77*	*17*	*94*	26	6	31	223	285	293
E06000017	Rutland	Rutland	East Midlands	ENG	46.0	-	27.3	*19*	*6*	*25*	6	2	8	240	305	295
E06000051	Shropshire	Shropshire	West Midlands	ENG	52.7	13.0	32.5	*269*	*72*	*341*	90	24	114	182	241	162
E06000020	Telford and Wrekin	Shropshire	West Midlands	ENG	79.7	23.6	50.9	*181*	*57*	*238*	60	19	79	36	56	98
E06000022	Bath and North East Somerset	Somerset	South West	ENG	48.7	-	26.4	*116*	*15*	*131*	39	5	44	249	314	268
E07000187	Mendip	Somerset	South West	ENG	46.4	17.0	27.4	*83*	*18*	*101*	28	6	34	238	303	167
E06000024	North Somerset	Somerset	South West	ENG	48.5	14.8	31.0	*151*	*52*	*203*	50	17	68	197	257	217
E07000188	Sedgemoor	Somerset	South West	ENG	55.1	15.9	34.7	*105*	*30*	*135*	35	10	45	157	212	119
E07000246	Somerset West and Taunton	Somerset	South West	ENG	44.5	13.0	27.3	*108*	*30*	*138*	36	10	46	241	306	139
E07000189	South Somerset	Somerset	South West	ENG	44.2	13.1	26.2	*118*	*25*	*143*	39	8	48	253	318	160
E07000192	Cannock Chase	Staffordshire	West Midlands	ENG	60.8	25.5	41.5	*84*	*32*	*116*	28	11	39	95	133	123
E07000193	East Staffordshire	Staffordshire	West Midlands	ENG	63.9	20.4	42.1	*104*	*34*	*138*	35	11	46	90	127	155
E07000194	Lichfield	Staffordshire	West Midlands	ENG	55.9	16.7	34.2	*88*	*24*	*112*	29	8	37	164	220	244
E07000195	Newcastle-under-Lyme	Staffordshire	West Midlands	ENG	80.5	20.7	50.1	*143*	*39*	*182*	48	13	61	43	65	148
E07000196	South Staffordshire	Staffordshire	West Midlands	ENG	51.6	-	30.5	*92*	*20*	*112*	31	7	37	207	268	231
E07000197	Stafford	Staffordshire	West Midlands	ENG	53.2	18.8	35.7	*109*	*41*	*150*	36	14	50	141	195	229
E07000198	Staffordshire Moorlands	Staffordshire	West Midlands	ENG	47.9	17.4	31.3	*80*	*27*	*107*	27	9	36	193	253	201
E06000021	Stoke-on-Trent	Staffordshire	West Midlands	ENG	83.6	27.0	55.0	*267*	*88*	*355*	89	29	118	26	41	15
E07000199	Tamworth	Staffordshire	West Midlands	ENG	57.8	29.5	38.6	*60*	*23*	*83*	20	8	28	117	162	122
E07000200	Babergh	Suffolk	East of England	ENG	45.8	-	25.7	*69*	*11*	*80*	23	4	27	262	327	208
E07000244	East Suffolk	Suffolk	East of England	ENG	45.6	14.9	29.7	*184*	*65*	*249*	61	22	83	213	275	156
E07000202	Ipswich	Suffolk	East of England	ENG	47.1	-	29.7	*76*	*22*	*98*	25	7	33	214	276	70
E07000203	Mid Suffolk	Suffolk	East of England	ENG	37.8	19.3	25.5	*64*	*23*	*87*	21	8	29	264	329	225
E07000245	West Suffolk	Suffolk	East of England	ENG	50.3	14.9	32.0	*122*	*39*	*161*	41	13	54	186	246	173
E07000207	Elmbridge	Surrey	South East	ENG	35.0	17.2	21.3	*59*	*16*	*75*	20	5	25	297	362	302
E07000208	Epsom and Ewell	Surrey	South East	ENG	36.4	-	22.6	*36*	*11*	*47*	12	4	16	289	354	291
E07000209	Guildford	Surrey	South East	ENG	39.4	18.3	25.0	*68*	*20*	*88*	23	7	29	270	335	288
E07000210	Mole Valley	Surrey	South East	ENG	35.7	-	18.9	*47*	*4*	*51*	16	1	17	307	372	286
E07000211	Reigate and Banstead	Surrey	South East	ENG	39.2	21.6	25.2	*75*	*23*	*98*	25	8	33	268	333	270
E07000212	Runnymede	Surrey	South East	ENG	42.0	-	26.7	*43*	*13*	*56*	14	4	19	247	312	250
E07000213	Spelthorne	Surrey	South East	ENG	54.7	-	34.5	*70*	*19*	*89*	23	6	30	158	214	198
E07000214	Surrey Heath	Surrey	South East	ENG	34.3	-	21.3	*40*	*11*	*51*	13	4	17	298	363	301
E07000215	Tandridge	Surrey	South East	ENG	36.7	-	23.1	*44*	*13*	*57*	15	4	19	285	350	252
E07000216	Waverley	Surrey	South East	ENG	40.7	-	23.6	*70*	*15*	*85*	23	5	28	282	347	304

Table 1.28 Age-standardised death rates per 100,000 and number of deaths for coronary heart disease (CHD), under 75s by local authority, United Kingdom 2018/20

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					UNDER 75											
					Age standardised CHD death rates per 100,000 - 3 Year Average			*Total number of premature CHD deaths - 2018/20*			Average number of annual CHD deaths - 2018/20			ASDR Rank (1 = highest death rate)		IMD - Rank of average rank (1= most deprived)
LA Code	LA/DC/UA	Ceremonial County (Eng/Wal)	Region/Nation	4N	Men	Women	Total	*Men*	*Women*	*Total*	Men	Women	Total	4N	UK-wide	4N
E07000217	Woking	Surrey	South East	ENG	41.9	-	27.0	*52*	*15*	*67*	17	5	22	244	309	275
E08000037	Gateshead	Tyne & Wear	North East	ENG	77.0	26.0	50.7	*205*	*74*	*279*	68	25	93	39	59	54
E08000021	Newcastle upon Tyne	Tyne & Wear	North East	ENG	67.4	19.6	43.3	*213*	*63*	*276*	71	21	92	78	113	73
E08000022	North Tyneside	Tyne & Wear	North East	ENG	66.1	24.4	44.4	*191*	*78*	*269*	64	26	90	70	103	125
E08000023	South Tyneside	Tyne & Wear	North East	ENG	70.1	23.3	45.9	*149*	*54*	*203*	50	18	68	63	94	26
E08000024	Sunderland	Tyne & Wear	North East	ENG	80.4	26.6	52.4	*305*	*111*	*416*	102	37	139	30	48	33
E07000218	North Warwickshire	Warwickshire	West Midlands	ENG	74.2	33.9	46.5	*73*	*20*	*93*	24	7	31	60	90	153
E07000219	Nuneaton and Bedworth	Warwickshire	West Midlands	ENG	84.0	28.7	55.7	*146*	*53*	*199*	49	18	66	23	38	100
E07000220	Rugby	Warwickshire	West Midlands	ENG	78.2	-	44.0	*110*	*15*	*125*	37	5	42	72	105	218
E07000221	Stratford-on-Avon	Warwickshire	West Midlands	ENG	52.9	16.7	33.3	*110*	*33*	*143*	37	11	48	175	233	253
E07000222	Warwick	Warwickshire	West Midlands	ENG	52.6	19.7	35.8	*93*	*37*	*130*	31	12	43	140	194	257
E08000025	Birmingham	West Midlands	West Midlands	ENG	79.4	26.0	51.9	*851*	*290*	*1,141*	284	97	380	33	51	6
E08000026	Coventry	West Midlands	West Midlands	ENG	74.8	22.6	48.1	*263*	*83*	*346*	88	28	115	52	76	80
E08000027	Dudley	West Midlands	West Midlands	ENG	75.5	24.0	49.2	*323*	*108*	*431*	108	36	144	45	68	103
E08000028	Sandwell	West Midlands	West Midlands	ENG	109.7	35.9	72.1	*391*	*131*	*522*	130	44	174	3	3	8
E08000029	Solihull	West Midlands	West Midlands	ENG	46.7	9.5	27.4	*134*	*29*	*163*	45	10	54	237	302	203
E08000030	Walsall	West Midlands	West Midlands	ENG	82.8	30.9	56.3	*279*	*109*	*388*	93	36	129	19	33	31
E08000031	Wolverhampton	West Midlands	West Midlands	ENG	103.9	32.7	67.4	*309*	*102*	*411*	103	34	137	4	6	19
E07000223	Adur	West Sussex	South East	ENG	52.3	-	33.5	*47*	*17*	*64*	16	6	21	171	229	161
E07000224	Arun	West Sussex	South East	ENG	57.8	12.3	33.7	*145*	*35*	*180*	48	12	60	170	228	147
E07000225	Chichester	West Sussex	South East	ENG	40.8	-	25.0	*78*	*24*	*102*	26	8	34	271	336	209
E07000226	Crawley	West Sussex	South East	ENG	65.2	-	38.1	*78*	*15*	*93*	26	5	31	119	167	133
E07000227	Horsham	West Sussex	South East	ENG	39.4	-	24.0	*84*	*22*	*106*	28	7	35	281	346	282
E07000228	Mid Sussex	West Sussex	South East	ENG	35.2	-	20.1	*72*	*14*	*86*	24	5	29	304	369	303
E07000229	Worthing	West Sussex	South East	ENG	65.1	17.6	37.5	*100*	*22*	*122*	33	7	41	124	174	171
E06000030	Swindon	Wiltshire	South West	ENG	57.7	17.4	37.2	*159*	*49*	*208*	53	16	69	126	176	168
E06000054	Wiltshire	Wiltshire	South West	ENG	41.7	12.3	26.6	*301*	*94*	*395*	100	31	132	248	313	227
E07000234	Bromsgrove	Worcestershire	West Midlands	ENG	35.0	-	20.3	*51*	*9*	*60*	17	3	20	301	366	265
E07000235	Malvern Hills	Worcestershire	West Midlands	ENG	32.0	-	19.9	*44*	*12*	*56*	15	4	19	306	371	184
E07000236	Redditch	Worcestershire	West Midlands	ENG	56.5	24.9	37.5	*66*	*23*	*89*	22	8	30	123	173	116
E07000237	Worcester	Worcestershire	West Midlands	ENG	60.1	28.0	39.6	*75*	*25*	*100*	25	8	33	109	149	157
E07000238	Wychavon	Worcestershire	West Midlands	ENG	43.4	-	26.0	*92*	*21*	*113*	31	7	38	257	322	188
E07000239	Wyre Forest	Worcestershire	West Midlands	ENG	57.9	20.7	36.8	*92*	*28*	*120*	31	9	40	134	186	112
E06000011	East Riding of Yorkshire	Yorkshire (East Riding)	Yorkshire & The Humber	ENG	53.1	15.9	34.0	*308*	*98*	*406*	103	33	135	167	224	213
E06000010	Kingston upon Hull, City of	Yorkshire (East Riding)	Yorkshire & The Humber	ENG	93.2	26.2	59.5	*282*	*80*	*362*	94	27	121	11	20	9
E07000163	Craven	Yorkshire (North Yorkshire)	Yorkshire & The Humber	ENG	44.2	-	28.1	*44*	*14*	*58*	15	5	19	230	294	235
E07000164	Hambleton	Yorkshire (North Yorkshire)	Yorkshire & The Humber	ENG	43.4	18.9	29.6	*66*	*28*	*94*	22	9	31	218	280	249
E07000165	Harrogate	Yorkshire (North Yorkshire)	Yorkshire & The Humber	ENG	43.4	12.5	25.9	*107*	*25*	*132*	36	8	44	260	325	271
E06000002	Middlesbrough	Yorkshire (North Yorkshire)	North East	ENG	81.2	31.7	55.5	*133*	*57*	*190*	44	19	63	24	39	16
E06000003	Redcar and Cleveland	Yorkshire (North Yorkshire)	North East	ENG	78.9	26.5	48.4	*158*	*46*	*204*	53	15	68	50	74	62
E07000166	Richmondshire	Yorkshire (North Yorkshire)	Yorkshire & The Humber	ENG	49.0	-	30.1	*40*	*10*	*50*	13	3	17	211	273	245
E07000167	Ryedale	Yorkshire (North Yorkshire)	Yorkshire & The Humber	ENG	45.8	-	23.5	*39*	*8*	*47*	13	3	16	284	349	177
E07000168	Scarborough	Yorkshire (North Yorkshire)	Yorkshire & The Humber	ENG	75.1	23.1	48.2	*135*	*44*	*179*	45	15	60	51	75	74
E07000169	Selby	Yorkshire (North Yorkshire)	Yorkshire & The Humber	ENG	43.5	24.0	31.3	*58*	*27*	*85*	19	9	28	191	251	246
E06000014	York	Yorkshire (North Yorkshire)	Yorkshire & The Humber	ENG	55.3	16.4	35.1	*137*	*44*	*181*	46	15	60	152	207	269
E08000016	Barnsley	Yorkshire (South Yorkshire)	Yorkshire & The Humber	ENG	74.9	26.8	50.5	*257*	*95*	*352*	86	32	117	40	60	38
E08000017	Doncaster	Yorkshire (South Yorkshire)	Yorkshire & The Humber	ENG	77.0	25.5	50.7	*324*	*113*	*437*	108	38	146	38	58	41
E08000018	Rotherham	Yorkshire (South Yorkshire)	Yorkshire & The Humber	ENG	71.7	19.7	45.2	*261*	*74*	*335*	87	25	112	65	98	50
E08000019	Sheffield	Yorkshire (South Yorkshire)	Yorkshire & The Humber	ENG	69.2	22.4	45.2	*443*	*152*	*595*	148	51	198	68	101	92
E08000032	Bradford	Yorkshire (West Yorkshire)	Yorkshire & The Humber	ENG	93.6	28.9	60.4	*559*	*180*	*739*	186	60	246	10	19	21
E08000033	Calderdale	Yorkshire (West Yorkshire)	Yorkshire & The Humber	ENG	63.2	23.2	42.9	*183*	*70*	*253*	61	23	84	83	119	75

Table 1.28 Age-standardised death rates per 100,000 and number of deaths for coronary heart disease (CHD), under 75s by local authority, United Kingdom 2018/20

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					UNDER 75											
					Age standardised CHD death rates per 100,000 - 3 Year Average			*Total number of premature CHD deaths - 2018/20*			Average number of annual CHD deaths - 2018/20			ASDR Rank (1 = highest death rate)		IMD - Rank of average rank (1= most deprived)
LA Code	LA/DC/UA	Ceremonial County (Eng/Wal)	Region/Nation	4N	Men	Women	Total	*Men*	*Women*	*Total*	Men	Women	Total	4N	UK-wide	4N
E08000034	Kirklees	Yorkshire (West Yorkshire)	Yorkshire & The Humber	ENG	58.7	21.6	39.9	*329*	*125*	*454*	110	42	151	106	146	86
E08000035	Leeds	Yorkshire (West Yorkshire)	Yorkshire & The Humber	ENG	66.8	19.1	42.1	*572*	*177*	*749*	191	59	250	89	126	91
E08000036	Wakefield	Yorkshire (West Yorkshire)	Yorkshire & The Humber	ENG	76.8	26.3	51.1	*365*	*130*	*495*	122	43	165	34	54	64
N09000001	Antrim and Newtownabbey		Northern Ireland	NI	61.1	16.6	38.1	*105*	*31*	*136*	35	10	45	4	166	10
N09000011	Ards and North Down		Northern Ireland	NI	45.3	14.5	28.9	*106*	*35*	*141*	35	12	47	10	287	9
N09000002	Armagh City, Banbridge and Craigavon		Northern Ireland	NI	58.2	13.4	35.4	*148*	*35*	*183*	49	12	61	8	201	7
N09000003	Belfast		Northern Ireland	NI	70.4	29.7	46.7	*255*	*99*	*354*	85	33	118	1	85	4
N09000004	Causeway Coast and Glens		Northern Ireland	NI	49.2	17.4	35.9	*95*	*43*	*138*	32	14	46	7	193	5
N09000005	Derry City and Strabane		Northern Ireland	NI	65.1	19.8	42.2	*118*	*37*	*155*	39	12	52	2	125	1
N09000006	Fermanagh and Omagh		Northern Ireland	NI	59.2	17.6	38.8	*89*	*28*	*117*	30	9	39	3	160	2
N09000007	Lisburn and Castlereagh		Northern Ireland	NI	43.2	16.4	28.8	*77*	*29*	*106*	26	10	35	11	290	11
N09000008	Mid and East Antrim		Northern Ireland	NI	60.1	16.4	37.6	*110*	*32*	*142*	37	11	47	5	171	8
N09000009	Mid Ulster		Northern Ireland	NI	53.5	19.0	36.9	*91*	*33*	*124*	30	11	41	6	184	6
N09000010	Newry, Mourne and Down		Northern Ireland	NI	55.8	15.7	34.5	*120*	*30*	*150*	40	10	50	9	213	3
S12000033	Aberdeen City		Scotland	SCO	92.0	23.8	57.3	*245*	*64*	*309*	82	21	103	9	28	26
S12000034	Aberdeenshire		Scotland	SCO	51.1	23.7	37.2	*195*	*92*	*287*	65	31	96	28	177	29
S12000041	Angus		Scotland	SCO	52.0	26.6	38.9	*93*	*52*	*145*	31	17	48	25	157	20
S12000035	Argyll and Bute		Scotland	SCO	81.9	20.2	50.2	*118*	*32*	*150*	39	11	50	15	64	15
S12000036	City of Edinburgh		Scotland	SCO	69.0	20.1	43.8	*395*	*122*	*517*	132	41	172	21	108	30
S12000005	Clackmannanshire		Scotland	SCO	94.2	40.3	66.3	*72*	*33*	*105*	24	11	35	4	8	8
S12000006	Dumfries and Galloway		Scotland	SCO	59.4	25.2	41.8	*150*	*65*	*215*	50	22	72	22	129	10
S12000042	Dundee City		Scotland	SCO	99.7	27.6	61.8	*175*	*53*	*228*	58	18	76	5	11	7
S12000008	East Ayrshire		Scotland	SCO	92.8	31.8	61.1	*165*	*60*	*225*	55	20	75	7	16	6
S12000045	East Dunbartonshire		Scotland	SCO	46.4	16.4	30.6	*72*	*29*	*101*	24	10	34	32	265	31
S12000010	East Lothian		Scotland	SCO	52.1	17.5	33.9	*78*	*29*	*107*	26	10	36	30	227	22
S12000011	East Renfrewshire		Scotland	SCO	57.1	14.1	34.1	*71*	*20*	*91*	24	7	30	29	221	32
S12000014	Falkirk		Scotland	SCO	92.8	31.6	61.3	*207*	*75*	*282*	69	25	94	6	14	16
S12000047	Fife		Scotland	SCO	77.7	24.9	50.3	*410*	*142*	*552*	137	47	184	14	62	14
S12000049	Glasgow City		Scotland	SCO	107.9	37.0	70.7	*701*	*260*	*961*	234	87	320	1	4	4
S12000017	Highland		Scotland	SCO	73.0	20.1	45.9	*266*	*78*	*344*	89	26	115	18	93	19
S12000018	Inverclyde		Scotland	SCO	100.7	38.2	67.6	*113*	*48*	*161*	38	16	54	2	5	3
S12000019	Midlothian		Scotland	SCO	66.1	26.5	45.4	*82*	*36*	*118*	27	12	39	20	97	18
S12000020	Moray		Scotland	SCO	61.4	21.2	40.6	*86*	*32*	*118*	29	11	39	23	140	23
S12000013	Na h-Eileanan Siar		Scotland	SCO	91.6	13.6	52.8	*42*	*6*	*48*	14	2	16	12	46	9
S12000021	North Ayrshire		Scotland	SCO	95.3	29.7	60.5	*196*	*68*	*264*	65	23	88	8	17	2
S12000050	North Lanarkshire		Scotland	SCO	87.1	29.4	56.8	*385*	*142*	*527*	128	47	176	10	30	5
S12000023	Orkney Islands		Scotland	SCO	79.3	11.7	45.5	*28*	*4*	*32*	9	1	11	19	96	25
S12000048	Perth and Kinross		Scotland	SCO	59.8	17.3	37.9	*137*	*43*	*180*	46	14	60	27	168	27
S12000038	Renfrewshire		Scotland	SCO	77.2	23.9	49.0	*185*	*63*	*248*	62	21	83	17	70	12
S12000026	Scottish Borders		Scotland	SCO	52.9	13.6	32.9	*102*	*27*	*129*	34	9	43	31	236	21
S12000027	Shetland Islands		Scotland	SCO	60.1	14.8	38.4	*21*	*5*	*26*	7	2	9	26	165	24
S12000028	South Ayrshire		Scotland	SCO	88.1	26.9	55.8	*161*	*55*	*216*	54	18	72	11	37	13
S12000029	South Lanarkshire		Scotland	SCO	77.2	28.4	51.7	*345*	*139*	*484*	115	46	161	13	52	11
S12000030	Stirling		Scotland	SCO	58.1	21.3	38.9	*74*	*29*	*103*	25	10	34	24	156	28
S12000039	West Dunbartonshire		Scotland	SCO	101.3	36.6	67.1	*125*	*49*	*174*	42	16	58	3	7	1
S12000040	West Lothian		Scotland	SCO	76.5	24.7	49.7	*178*	*62*	*240*	59	21	80	16	66	17
W06000003	Conwy	Clwyd	Wales / Cymru	WAL	54.1	14.7	36.7	*107*	*32*	*148*	36	11	49	19	187	14
W06000004	Denbighshire / Sir Ddinbych	Clwyd	Wales / Cymru	WAL	87.9	19.3	51.6	*136*	*31*	*164*	45	10	55	7	53	9
W06000005	Flintshire / Sir y Fflint	Clwyd	Wales / Cymru	WAL	63.5	20.1	38.6	*144*	*48*	*181*	48	16	60	18	163	18
W06000006	Wrexham / Wrecsam	Clwyd	Wales / Cymru	WAL	67.5	27.8	46.7	*129*	*55*	*181*	43	18	60	11	86	16
W06000010	Carmarthenshire / Sir Gaerfyrddin	Dyfed	Wales / Cymru	WAL	69.1	25.6	47.6	*205*	*82*	*291*	68	27	97	9	80	10

Table 1.28 Age-standardised death rates per 100,000 and number of deaths for coronary heart disease (CHD), under 75s by local authority, United Kingdom 2018/20

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					UNDER 75											
					Age standardised CHD death rates per 100,000 - 3 Year Average			*Total number of premature CHD deaths - 2018/20*			Average number of annual CHD deaths - 2018/20			ASDR Rank (1 = highest death rate)		IMD - Rank of average rank (1= most deprived)
LA Code	LA/DC/UA	Ceremonial County (Eng/Wal)	Region/Nation	4N	Men	Women	Total	*Men*	*Women*	*Total*	Men	Women	Total	4N	UK-wide	4N
W06000008	Ceredigion	Dyfed	Wales / Cymru	WAL	61.7	12.1	39.1	*72*	*15*	*93*	24	5	31	16	155	20
W06000009	Pembrokeshire / Sir Benfro	Dyfed	Wales / Cymru	WAL	60.7	18.1	43.5	*128*	*43*	*186*	43	14	62	13	111	13
W06000019	Blaenau Gwent	Gwent	Wales / Cymru	WAL	86.4	15.6	56.5	*87*	*16*	*113*	29	5	38	4	32	1
W06000018	Caerphilly / Caerffili	Gwent	Wales / Cymru	WAL	81.0	22.3	53.1	*202*	*59*	*272*	67	20	91	6	45	5
W06000021	Monmouthshire / Sir Fynwy	Gwent	Wales / Cymru	WAL	42.6	5.7	28.0	*66*	*10*	*89*	22	3	30	22	295	22
W06000022	Newport / Casnewydd	Gwent	Wales / Cymru	WAL	94.4	19.0	58.0	*176*	*38*	*223*	59	13	74	2	23	7
W06000020	Torfaen / Tor-faen	Gwent	Wales / Cymru	WAL	82.4	25.7	57.4	*106*	*36*	*153*	35	12	51	3	27	6
W06000002	Gwynedd	Gwynedd	Wales / Cymru	WAL	64.3	11.7	38.8	*119*	*23*	*146*	40	8	49	17	159	17
W06000001	Isle of Anglesey / Ynys Môn	Gwynedd	Wales / Cymru	WAL	63.0	16.2	40.7	*75*	*21*	*98*	25	7	33	15	139	11
W06000013	Bridgend / Pen-y-bont ar Ogwr	Mid Glamorgan / Morgannwg Ganol	Wales / Cymru	WAL	69.7	24.9	47.1	*141*	*55*	*198*	47	18	66	10	84	8
W06000024	Merthyr Tydfil / Merthyr Tudful	Mid Glamorgan / Morgannwg Ganol	Wales / Cymru	WAL	73.8	22.5	53.5	*59*	*20*	*89*	20	7	30	5	44	2
W06000016	Rhondda Cynon Taf / Rhondda Cynon Taf	Mid Glamorgan / Morgannwg Ganol	Wales / Cymru	WAL	70.2	23.6	46.6	*229*	*81*	*311*	76	27	104	12	88	4
W06000023	Powys	Powys	Wales / Cymru	WAL	47.2	12.6	32.5	*113*	*31*	*152*	38	10	51	20	242	21
W06000015	Cardiff / Caerdydd	South Glamorgan / De Morgannwg	Wales / Cymru	WAL	70.9	17.0	43.3	*263*	*67*	*333*	88	22	111	14	115	15
W06000014	The Vale of Glamorgan / Bro Morgannwg	South Glamorgan / De Morgannwg	Wales / Cymru	WAL	53.7	12.0	30.3	*101*	*26*	*121*	34	9	40	21	271	19
W06000012	Neath Port Talbot / Castell-nedd Port Talbot	West Glamorgan / Gorllewin Morgannwg	Wales / Cymru	WAL	94.2	26.8	60.4	*193*	*60*	*257*	64	20	86	1	18	3
W06000011	Swansea / Abertawe	West Glamorgan / Gorllewin Morgannwg	Wales / Cymru	WAL	72.1	24.1	47.8	*224*	*84*	*313*	75	28	104	8	79	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 stroke (CBVD), all ages, by local authority, United Kingdom 2018/20

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					ALL AGES											
					Age standardised stroke (CBVD) death rates per 100,000 - 3 Year Average			*Total number of stroke (CBVD) deaths 2018/20*			Average number of annual stroke (CBVD) deaths for 2018/20			ASDR Rank (1 = highest death rate)		IMD - Rank of average rank (1= most deprived)
LA Code	LA/DC/UA	Ceremonial County (Eng/Wal)	Region/Nation	4N	Men	Women	Total	*Men*	*Women*	*Total*	Men	Women	Total	4N	UK-wide	4N
E06000055	Bedford	Bedfordshire	East of England	ENG	48.1	42.8	45.6	*101*	*129*	*230*	34	43	77	247	311	154
E06000056	Central Bedfordshire	Bedfordshire	East of England	ENG	50.7	41.1	45.8	*172*	*176*	*348*	57	59	116	244	308	258
E06000032	Luton	Bedfordshire	East of England	ENG	60.9	52.9	57.0	*120*	*135*	*255*	40	45	85	81	131	52
E06000036	Bracknell Forest	Berkshire	South East	ENG	37.6	38.0	37.0	*41*	*62*	*103*	14	21	34	301	365	276
E06000038	Reading	Berkshire	South East	ENG	47.7	50.4	49.7	*69*	*98*	*167*	23	33	56	175	237	138
E06000039	Slough	Berkshire	South East	ENG	56.1	47.4	51.7	*62*	*67*	*129*	21	22	43	147	206	72
E06000037	West Berkshire	Berkshire	South East	ENG	46.6	43.5	45.4	*90*	*116*	*206*	30	39	69	251	315	281
E06000040	Windsor and Maidenhead	Berkshire	South East	ENG	48.7	46.6	47.5	*97*	*134*	*231*	32	45	77	218	281	296
E06000041	Wokingham	Berkshire	South East	ENG	43.0	38.8	41.0	*89*	*113*	*202*	30	38	67	289	353	306
E06000023	Bristol, City of	Bristol	South West	ENG	52.4	43.3	47.5	*211*	*261*	*472*	70	87	157	220	283	81
E06000060	Buckinghamshire	Buckinghamshire	South East	ENG	45.7	39.7	42.3	*307*	*407*	*714*	102	136	238	279	343	284
E06000042	Milton Keynes	Buckinghamshire	South East	ENG	62.7	41.4	50.5	*146*	*138*	*284*	49	46	95	167	227	169
E07000008	Cambridge	Cambridgeshire	East of England	ENG	48.9	36.9	42.7	*57*	*67*	*124*	19	22	41	276	340	202
E07000009	East Cambridgeshire	Cambridgeshire	East of England	ENG	32.1	47.8	41.9	*39*	*80*	*119*	13	27	40	284	348	260
E07000010	Fenland	Cambridgeshire	East of England	ENG	59.8	57.3	58.2	*90*	*123*	*213*	30	41	71	67	113	51
E07000011	Huntingdonshire	Cambridgeshire	East of England	ENG	50.7	51.8	51.8	*113*	*162*	*275*	38	54	92	145	204	241
E06000031	Peterborough	Cambridgeshire	East of England	ENG	62.3	49.2	55.3	*127*	*138*	*265*	42	46	88	102	159	53
E07000012	South Cambridgeshire	Cambridgeshire	East of England	ENG	48.5	44.3	46.5	*100*	*134*	*234*	33	45	78	233	296	292
E06000049	Cheshire East	Cheshire	North West	ENG	51.9	51.6	52.3	*302*	*423*	*725*	101	141	242	136	195	224
E06000050	Cheshire West and Chester	Cheshire	North West	ENG	48.4	47.1	48.5	*235*	*313*	*548*	78	104	183	202	264	180
E06000006	Halton	Cheshire	North West	ENG	63.6	45.6	52.8	*87*	*85*	*172*	29	28	57	133	192	39
E06000007	Warrington	Cheshire	North West	ENG	64.2	55.1	59.1	*158*	*188*	*346*	53	63	115	54	98	172
E06000052	Cornwall	Cornwall	South West	ENG	67.7	68.4	68.4	*579*	*854*	*1,433*	193	285	478	5	30	82
E06000053	Isles of Scilly	Cornwall	South West	ENG	*	*	*	-	-	-	-	-	-			
E06000047	County Durham	County Durham	North East	ENG	60.7	59.8	61.3	*418*	*543*	*961*	139	181	320	34	75	65
E06000005	Darlington	County Durham	North East	ENG	57.9	63.5	61.2	*81*	*125*	*206*	27	42	69	35	76	102
E06000001	Hartlepool	County Durham	North East	ENG	66.2	53.2	60.2	*77*	*89*	*166*	26	30	55	44	86	25
E06000004	Stockton-on-Tees	County Durham	North East	ENG	63.6	53.3	58.2	*144*	*170*	*314*	48	57	105	65	111	111
E07000026	Allerdale	Cumbria	North West	ENG	65.4	52.1	57.7	*99*	*112*	*211*	33	37	70	74	123	107
E07000027	Barrow-in-Furness	Cumbria	North West	ENG	56.5	64.4	62.6	*56*	*77*	*133*	19	26	44	22	59	44
E07000028	Carlisle	Cumbria	North West	ENG	62.1	64.9	64.1	*92*	*146*	*238*	31	49	79	13	46	113
E07000029	Copeland	Cumbria	North West	ENG	59.0	54.5	58.2	*59*	*70*	*129*	20	23	43	66	112	77
E07000030	Eden	Cumbria	North West	ENG	58.9	48.2	50.8	*47*	*65*	*112*	16	22	37	161	221	166
E07000031	South Lakeland	Cumbria	North West	ENG	63.2	58.8	60.5	*120*	*166*	*286*	40	55	95	41	82	238
E07000032	Amber Valley	Derbyshire	East Midlands	ENG	59.8	38.1	46.3	*98*	*94*	*192*	33	31	64	234	297	164
E07000033	Bolsover	Derbyshire	East Midlands	ENG	60.9	60.0	61.5	*60*	*81*	*141*	20	27	47	30	70	58
E07000034	Chesterfield	Derbyshire	East Midlands	ENG	62.0	54.6	57.9	*84*	*111*	*195*	28	37	65	73	121	85
E06000015	Derby	Derbyshire	East Midlands	ENG	62.7	57.4	60.0	*177*	*243*	*420*	59	81	140	47	89	89
E07000035	Derbyshire Dales	Derbyshire	East Midlands	ENG	52.1	50.7	52.2	*61*	*90*	*151*	20	30	50	139	198	259
E07000036	Erewash	Derbyshire	East Midlands	ENG	48.3	60.0	56.0	*73*	*136*	*209*	24	45	70	92	148	165
E07000037	High Peak	Derbyshire	East Midlands	ENG	49.1	52.3	51.0	*57*	*87*	*144*	19	29	48	157	217	199
E07000038	North East Derbyshire	Derbyshire	East Midlands	ENG	52.0	49.3	50.2	*81*	*98*	*179*	27	33	60	170	231	174
E07000039	South Derbyshire	Derbyshire	East Midlands	ENG	53.6	39.3	45.6	*62*	*65*	*127*	21	22	42	248	312	214
E07000040	East Devon	Devon	South West	ENG	43.7	49.6	47.8	*131*	*225*	*356*	44	75	119	212	275	234
E07000041	Exeter	Devon	South West	ENG	63.5	49.7	56.3	*85*	*121*	*206*	28	40	69	86	141	190
E07000042	Mid Devon	Devon	South West	ENG	58.9	64.7	62.2	*71*	*114*	*185*	24	38	62	25	63	159
E07000043	North Devon	Devon	South West	ENG	78.0	67.0	70.5	*120*	*152*	*272*	40	51	91	4	27	121
E06000026	Plymouth	Devon	South West	ENG	56.8	54.9	56.3	*183*	*243*	*426*	61	81	142	88	143	71
E07000044	South Hams	Devon	South West	ENG	43.9	41.2	42.7	*67*	*87*	*154*	22	29	51	275	339	215
E07000045	Teignbridge	Devon	South West	ENG	61.0	50.3	55.4	*135*	*180*	*315*	45	60	105	99	156	183
E06000027	Torbay	Devon	South West	ENG	56.4	55.4	56.3	*135*	*190*	*325*	45	63	108	87	142	48
E07000046	Torridge	Devon	South West	ENG	69.2	87.2	79.3	*77*	*137*	*214*	26	46	71	3	10	67
E07000047	West Devon	Devon	South West	ENG	53.7	61.1	58.7	*50*	*87*	*137*	17	29	46	60	105	136

Table 1.29 Age-standardised death rates per 100,000 and number of deaths for stroke (CBVD), all ages, by local authority, United Kingdom 2018/20

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					ALL AGES											
					Age standardised stroke (CBVD) death rates per 100,000 - 3 Year Average			*Total number of stroke (CBVD) deaths 2018/20*			Average number of annual stroke (CBVD) deaths for 2018/20			ASDR Rank (1 = highest death rate)		IMD - Rank of average rank (1= most deprived)
LA Code	LA/DC/UA	Ceremonial County (Eng/Wal)	Region/Nation	4N	Men	Women	Total	*Men*	*Women*	*Total*	Men	Women	Total	4N	UK-wide	4N
E06000058	Bournemouth, Christchurch and Poole	Dorset	South West	ENG	49.7	49.4	49.7	*298*	*435*	*733*	99	145	244	179	241	163
E06000059	Dorset	Dorset	South West	ENG	48.8	48.0	48.4	*353*	*498*	*851*	118	166	284	204	266	194
E06000043	Brighton and Hove	East Sussex	South East	ENG	56.5	48.2	52.1	*157*	*190*	*347*	52	63	116	140	199	137
E07000061	Eastbourne	East Sussex	South East	ENG	54.3	48.9	51.4	*101*	*141*	*242*	34	47	81	150	209	104
E07000062	Hastings	East Sussex	South East	ENG	57.9	50.4	54.6	*73*	*89*	*162*	24	30	54	110	167	13
E07000063	Lewes	East Sussex	South East	ENG	47.3	43.3	46.1	*86*	*126*	*212*	29	42	71	238	302	191
E07000064	Rother	East Sussex	South East	ENG	52.5	45.2	48.6	*106*	*140*	*246*	35	47	82	200	262	132
E07000065	Wealden	East Sussex	South East	ENG	53.0	53.7	54.0	*145*	*217*	*362*	48	72	121	119	177	248
E07000066	Basildon	Essex	East of England	ENG	57.9	40.0	47.5	*118*	*122*	*240*	39	41	80	217	280	109
E07000067	Braintree	Essex	East of England	ENG	50.8	44.9	47.7	*100*	*127*	*227*	33	42	76	213	276	200
E07000068	Brentwood	Essex	East of England	ENG	54.1	33.7	42.6	*60*	*60*	*120*	20	20	40	277	341	279
E07000069	Castle Point	Essex	East of England	ENG	55.1	41.5	47.4	*77*	*80*	*157*	26	27	52	222	285	179
E07000070	Chelmsford	Essex	East of England	ENG	56.4	37.0	45.6	*131*	*117*	*248*	44	39	83	249	313	254
E07000071	Colchester	Essex	East of England	ENG	45.8	42.6	44.7	*99*	*128*	*227*	33	43	76	256	320	178
E07000072	Epping Forest	Essex	East of England	ENG	53.0	37.6	44.3	*92*	*98*	*190*	31	33	63	263	327	197
E07000073	Harlow	Essex	East of England	ENG	45.4	37.9	40.8	*40*	*50*	*90*	13	17	30	291	355	99
E07000074	Maldon	Essex	East of England	ENG	36.5	49.9	44.3	*36*	*68*	*104*	12	23	35	262	326	207
E07000075	Rochford	Essex	East of England	ENG	52.1	40.9	45.3	*65*	*72*	*137*	22	24	46	253	317	278
E06000033	Southend-on-Sea	Essex	East of England	ENG	50.6	47.1	48.8	*122*	*169*	*291*	41	56	97	191	253	126
E07000076	Tendring	Essex	East of England	ENG	49.4	46.7	48.1	*138*	*177*	*315*	46	59	105	207	270	32
E06000034	Thurrock	Essex	East of England	ENG	59.5	45.3	50.6	*83*	*94*	*177*	28	31	59	166	226	114
E07000077	Uttlesford	Essex	East of England	ENG	36.1	30.2	31.8	*40*	*51*	*91*	13	17	30	307	372	287
E07000078	Cheltenham	Gloucestershire	South West	ENG	50.0	67.5	61.0	*78*	*160*	*238*	26	53	79	36	77	233
E07000079	Cotswold	Gloucestershire	South West	ENG	52.2	52.7	52.8	*80*	*115*	*195*	27	38	65	134	193	266
E07000080	Forest of Dean	Gloucestershire	South West	ENG	47.7	47.7	48.7	*64*	*86*	*150*	21	29	50	197	259	140
E07000081	Gloucester	Gloucestershire	South West	ENG	58.6	45.8	51.1	*81*	*95*	*176*	27	32	59	156	216	135
E06000025	South Gloucestershire	Gloucestershire	South West	ENG	37.2	40.4	39.6	*134*	*204*	*338*	45	68	113	297	361	261
E07000082	Stroud	Gloucestershire	South West	ENG	53.7	52.5	53.8	*86*	*121*	*207*	29	40	69	121	179	272
E07000083	Tewkesbury	Gloucestershire	South West	ENG	67.5	44.2	53.6	*87*	*86*	*173*	29	29	58	124	182	255
E09000002	Barking and Dagenham	Greater London	London	ENG	57.7	45.0	50.7	*83*	*94*	*177*	28	31	59	163	223	5
E09000003	Barnet	Greater London	London	ENG	38.6	34.7	36.7	*157*	*203*	*360*	52	68	120	302	366	181
E09000004	Bexley	Greater London	London	ENG	55.2	45.1	49.4	*150*	*196*	*346*	50	65	115	182	244	187
E09000005	Brent	Greater London	London	ENG	51.8	37.2	44.4	*156*	*141*	*297*	52	47	99	260	324	49
E09000006	Bromley	Greater London	London	ENG	44.5	44.5	44.9	*173*	*265*	*438*	58	88	146	255	319	226
E09000007	Camden	Greater London	London	ENG	34.3	30.9	32.5	*77*	*95*	*172*	26	32	57	306	371	129
E09000001	City of London	Greater London	London	ENG	*	*	*	-	-	-	-	-	-			
E09000008	Croydon	Greater London	London	ENG	60.8	50.2	55.5	*228*	*249*	*477*	76	83	159	98	155	101
E09000009	Ealing	Greater London	London	ENG	55.7	42.3	48.6	*173*	*174*	*347*	58	58	116	201	263	87
E09000010	Enfield	Greater London	London	ENG	43.6	41.8	43.0	*134*	*182*	*316*	45	61	105	273	337	59
E09000011	Greenwich	Greater London	London	ENG	56.4	50.1	53.2	*117*	*139*	*256*	39	46	85	131	189	60
E09000012	Hackney	Greater London	London	ENG	45.1	39.0	42.2	*74*	*75*	*149*	25	25	50	280	344	7
E09000013	Hammersmith and Fulham	Greater London	London	ENG	42.9	43.3	43.2	*58*	*81*	*139*	19	27	46	271	335	95
E09000014	Haringey	Greater London	London	ENG	51.0	34.7	41.9	*98*	*88*	*186*	33	29	62	283	347	37
E09000015	Harrow	Greater London	London	ENG	39.3	37.5	38.6	*114*	*140*	*254*	38	47	85	298	362	196
E09000016	Havering	Greater London	London	ENG	51.9	43.5	47.0	*160*	*212*	*372*	53	71	124	227	290	176
E09000017	Hillingdon	Greater London	London	ENG	50.1	43.7	47.0	*153*	*169*	*322*	51	56	107	226	289	149
E09000018	Hounslow	Greater London	London	ENG	63.3	53.5	59.5	*150*	*153*	*303*	50	51	101	51	93	94
E09000019	Islington	Greater London	London	ENG	49.2	38.1	43.1	*74*	*73*	*147*	25	24	49	272	336	28
E09000020	Kensington and Chelsea	Greater London	London	ENG	49.3	26.9	37.4	*88*	*58*	*146*	29	19	49	300	364	120
E09000021	Kingston upon Thames	Greater London	London	ENG	52.5	30.2	39.8	*87*	*74*	*161*	29	25	54	296	360	264
E09000022	Lambeth	Greater London	London	ENG	54.1	45.3	49.4	*111*	*118*	*229*	37	39	76	183	245	42
E09000023	Lewisham	Greater London	London	ENG	67.2	58.0	61.9	*133*	*166*	*299*	44	55	100	27	67	35
E09000024	Merton	Greater London	London	ENG	54.8	52.8	53.8	*99*	*132*	*231*	33	44	77	123	181	210

Table 1.29 Age-standardised death rates per 100,000 and number of deaths for stroke (CBVD), all ages, by local authority, United Kingdom 2018/20

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					ALL AGES											
					Age standardised stroke (CBVD) death rates per 100,000 - 3 Year Average			*Total number of stroke (CBVD) deaths 2018/20*			Average number of annual stroke (CBVD) deaths for 2018/20			ASDR Rank (1 = highest death rate)		IMD - Rank of average rank (1= most deprived)
LA Code	LA/DC/UA	Ceremonial County (Eng/Wal)	Region/Nation	4N	Men	Women	Total	*Men*	*Women*	*Total*	Men	Women	Total	4N	UK-wide	4N
E09000025	Newham	Greater London	London	ENG	57.8	45.9	51.6	*118*	*109*	*227*	39	36	76	149	208	12
E09000026	Redbridge	Greater London	London	ENG	51.5	39.8	45.3	*143*	*145*	*288*	48	48	96	252	316	158
E09000027	Richmond upon Thames	Greater London	London	ENG	47.0	35.4	40.0	*95*	*109*	*204*	32	36	68	294	358	289
E09000028	Southwark	Greater London	London	ENG	55.4	42.5	48.4	*111*	*111*	*222*	37	37	74	205	267	43
E09000029	Sutton	Greater London	London	ENG	51.9	47.1	48.9	*109*	*145*	*254*	36	48	85	190	252	223
E09000030	Tower Hamlets	Greater London	London	ENG	49.4	50.3	49.7	*78*	*93*	*171*	26	31	57	176	238	27
E09000031	Waltham Forest	Greater London	London	ENG	52.9	40.7	46.0	*109*	*117*	*226*	36	39	75	241	305	45
E09000032	Wandsworth	Greater London	London	ENG	45.0	41.5	43.8	*99*	*121*	*220*	33	40	73	267	331	170
E09000033	Westminster	Greater London	London	ENG	39.8	32.3	35.8	*96*	*94*	*190*	32	31	63	303	368	131
E08000001	Bolton	Greater Manchester	North West	ENG	60.7	51.5	56.0	*193*	*214*	*407*	64	71	136	93	149	47
E08000002	Bury	Greater Manchester	North West	ENG	57.2	47.3	52.7	*131*	*146*	*277*	44	49	92	135	194	108
E08000003	Manchester	Greater Manchester	North West	ENG	71.3	56.5	63.4	*240*	*269*	*509*	80	90	170	15	49	2
E08000004	Oldham	Greater Manchester	North West	ENG	59.0	55.8	58.1	*151*	*184*	*335*	50	61	112	69	115	29
E08000005	Rochdale	Greater Manchester	North West	ENG	72.4	62.6	67.8	*175*	*199*	*374*	58	66	125	6	32	17
E08000006	Salford	Greater Manchester	North West	ENG	58.1	58.3	57.9	*140*	*190*	*330*	47	63	110	72	120	20
E08000007	Stockport	Greater Manchester	North West	ENG	54.8	43.6	49.0	*217*	*241*	*458*	72	80	153	187	249	152
E08000008	Tameside	Greater Manchester	North West	ENG	64.6	58.9	61.5	*162*	*193*	*355*	54	64	118	31	71	23
E08000009	Trafford	Greater Manchester	North West	ENG	49.4	47.2	48.7	*140*	*195*	*335*	47	65	112	195	257	205
E08000010	Wigan	Greater Manchester	North West	ENG	60.0	56.7	58.3	*230*	*279*	*509*	77	93	170	64	110	96
E07000084	Basingstoke and Deane	Hampshire	South East	ENG	48.8	52.9	50.9	*95*	*140*	*235*	32	47	78	160	220	240
E07000085	East Hampshire	Hampshire	South East	ENG	50.9	48.1	49.9	*96*	*136*	*232*	32	45	77	173	235	277
E07000086	Eastleigh	Hampshire	South East	ENG	38.2	44.2	42.1	*67*	*111*	*178*	22	37	59	281	345	280
E07000087	Fareham	Hampshire	South East	ENG	36.7	44.5	41.7	*68*	*119*	*187*	23	40	62	287	351	290
E07000088	Gosport	Hampshire	South East	ENG	62.2	49.0	54.4	*67*	*77*	*144*	22	26	48	114	171	127
E07000089	Hart	Hampshire	South East	ENG	46.5	36.0	40.7	*59*	*65*	*124*	20	22	41	293	357	307
E07000090	Havant	Hampshire	South East	ENG	47.2	49.2	48.8	*93*	*142*	*235*	31	47	78	194	256	130
E07000091	New Forest	Hampshire	South East	ENG	50.1	48.6	49.8	*181*	*278*	*459*	60	93	153	174	236	237
E06000044	Portsmouth	Hampshire	South East	ENG	62.3	51.7	57.1	*129*	*152*	*281*	43	51	94	78	128	57
E07000092	Rushmoor	Hampshire	South East	ENG	71.1	52.9	60.8	*65*	*68*	*133*	22	23	44	37	78	193
E06000045	Southampton	Hampshire	South East	ENG	46.7	49.5	48.7	*103*	*164*	*267*	34	55	89	196	258	55
E07000093	Test Valley	Hampshire	South East	ENG	50.4	49.3	50.7	*91*	*128*	*219*	30	43	73	162	222	256
E07000094	Winchester	Hampshire	South East	ENG	53.0	41.2	47.0	*97*	*117*	*214*	32	39	71	225	288	285
E06000019	Herefordshire, County of	Herefordshire	West Midlands	ENG	53.0	61.3	58.4	*162*	*264*	*426*	54	88	142	63	109	134
E07000095	Broxbourne	Hertfordshire	East of England	ENG	55.4	48.4	51.4	*63*	*81*	*144*	21	27	48	151	210	151
E07000096	Dacorum	Hertfordshire	East of England	ENG	42.6	37.3	39.9	*77*	*101*	*178*	26	34	59	295	359	236
E07000242	East Hertfordshire	Hertfordshire	East of England	ENG	45.6	41.1	44.0	*84*	*107*	*191*	28	36	64	266	330	299
E07000098	Hertsmere	Hertfordshire	East of England	ENG	50.7	45.8	48.2	*67*	*90*	*157*	22	30	52	206	269	220
E07000099	North Hertfordshire	Hertfordshire	East of England	ENG	55.4	49.3	51.8	*93*	*128*	*221*	31	43	74	144	203	263
E07000240	St Albans	Hertfordshire	East of England	ENG	46.5	36.4	40.9	*84*	*95*	*179*	28	32	60	290	354	298
E07000243	Stevenage	Hertfordshire	East of England	ENG	59.0	49.2	53.9	*53*	*69*	*122*	18	23	41	120	178	115
E07000102	Three Rivers	Hertfordshire	East of England	ENG	47.1	38.5	42.6	*56*	*67*	*123*	19	22	41	278	342	283
E07000103	Watford	Hertfordshire	East of England	ENG	47.2	49.2	49.5	*44*	*63*	*107*	15	21	36	180	242	192
E07000241	Welwyn Hatfield	Hertfordshire	East of England	ENG	55.3	54.5	55.5	*74*	*115*	*189*	25	38	63	97	154	211
E06000046	Isle of Wight	Isle of Wight	South East	ENG	46.6	50.0	49.7	*122*	*180*	*302*	41	60	101	177	239	79
E07000105	Ashford	Kent	South East	ENG	56.6	51.9	54.5	*91*	*118*	*209*	30	39	70	112	169	150
E07000106	Canterbury	Kent	South East	ENG	64.5	50.0	56.7	*142*	*177*	*319*	47	59	106	83	135	182
E07000107	Dartford	Kent	South East	ENG	70.1	55.5	61.4	*78*	*81*	*159*	26	27	53	33	74	143
E07000108	Dover	Kent	South East	ENG	46.8	49.6	49.1	*83*	*122*	*205*	28	41	68	185	247	105
E07000112	Folkestone and Hythe (Shepway)	Kent	South East	ENG	55.2	51.3	53.5	*99*	*135*	*234*	33	45	78	126	184	83
E07000109	Gravesham	Kent	South East	ENG	61.6	49.2	54.6	*77*	*83*	*160*	26	28	53	108	165	117
E07000110	Maidstone	Kent	South East	ENG	57.0	52.6	55.3	*121*	*163*	*284*	40	54	95	103	160	185
E06000035	Medway	Kent	South East	ENG	48.4	42.8	45.7	*133*	*164*	*297*	44	55	99	246	310	97
E07000111	Sevenoaks	Kent	South East	ENG	54.2	56.2	55.6	*94*	*141*	*235*	31	47	78	95	152	247

Table 1.29 Age-standardised death rates per 100,000 and number of deaths for stroke (CBVD), all ages, by local authority, United Kingdom 2018/20

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					ALL AGES											
					Age standardised stroke (CBVD) death rates per 100,000 - 3 Year Average			*Total number of stroke (CBVD) deaths 2018/20*			Average number of annual stroke (CBVD) deaths for 2018/20			ASDR Rank (1 = highest death rate)		IMD - Rank of average rank (1= most deprived)
LA Code	LA/DC/UA	Ceremonial County (Eng/Wal)	Region/Nation	4N	Men	Women	Total	*Men*	*Women*	*Total*	Men	Women	Total	4N	UK-wide	4N
E07000113	Swale	Kent	South East	ENG	52.7	41.8	46.7	*91*	*101*	*192*	30	34	64	230	293	69
E07000114	Thanet	Kent	South East	ENG	69.6	55.9	62.1	*140*	*175*	*315*	47	58	105	26	64	34
E07000115	Tonbridge and Malling	Kent	South East	ENG	49.8	38.7	43.7	*81*	*86*	*167*	27	29	56	268	332	232
E07000116	Tunbridge Wells	Kent	South East	ENG	60.9	57.5	59.7	*101*	*142*	*243*	34	47	81	50	92	267
E06000008	Blackburn with Darwen	Lancashire	North West	ENG	71.8	59.6	64.2	*97*	*107*	*204*	32	36	68	12	45	14
E06000009	Blackpool	Lancashire	North West	ENG	67.7	58.7	63.1	*126*	*148*	*274*	42	49	91	19	56	1
E07000117	Burnley	Lancashire	North West	ENG	50.8	55.4	54.0	*56*	*81*	*137*	19	27	46	118	176	11
E07000118	Chorley	Lancashire	North West	ENG	66.9	47.7	56.4	*91*	*89*	*180*	30	30	60	84	139	189
E07000119	Fylde	Lancashire	North West	ENG	53.2	55.8	55.4	*79*	*118*	*197*	26	39	66	100	157	195
E07000120	Hyndburn	Lancashire	North West	ENG	74.6	52.2	63.2	*72*	*65*	*137*	24	22	46	16	52	18
E07000121	Lancaster	Lancashire	North West	ENG	52.5	47.2	50.3	*99*	*126*	*225*	33	42	75	169	230	110
E07000122	Pendle	Lancashire	North West	ENG	45.7	46.1	46.6	*50*	*66*	*116*	17	22	39	232	295	36
E07000123	Preston	Lancashire	North West	ENG	68.6	53.9	60.7	*95*	*102*	*197*	32	34	66	39	80	46
E07000124	Ribble Valley	Lancashire	North West	ENG	56.8	55.2	56.4	*54*	*73*	*127*	18	24	42	85	140	274
E07000125	Rossendale	Lancashire	North West	ENG	62.7	59.7	62.5	*52*	*66*	*118*	17	22	39	24	62	90
E07000126	South Ribble	Lancashire	North West	ENG	47.4	42.3	44.6	*70*	*87*	*157*	23	29	52	258	322	206
E07000127	West Lancashire	Lancashire	North West	ENG	63.0	56.7	60.7	*103*	*129*	*232*	34	43	77	38	79	175
E07000128	Wyre	Lancashire	North West	ENG	58.2	52.2	54.7	*110*	*148*	*258*	37	49	86	107	164	145
E07000129	Blaby	Leicestershire	East Midlands	ENG	32.9	34.8	34.7	*42*	*66*	*108*	14	22	36	305	370	273
E07000130	Charnwood	Leicestershire	East Midlands	ENG	45.4	42.3	44.5	*102*	*128*	*230*	34	43	77	259	323	239
E07000131	Harborough	Leicestershire	East Midlands	ENG	38.0	38.7	38.5	*49*	*71*	*120*	16	24	40	299	363	300
E07000132	Hinckley and Bosworth	Leicestershire	East Midlands	ENG	49.0	47.1	47.6	*72*	*100*	*172*	24	33	57	216	279	228
E06000016	Leicester	Leicestershire	East Midlands	ENG	62.5	57.8	60.1	*178*	*233*	*411*	59	78	137	45	87	22
E07000133	Melton	Leicestershire	East Midlands	ENG	43.5	47.3	46.0	*31*	*48*	*79*	10	16	26	239	303	242
E07000134	North West Leicestershire	Leicestershire	East Midlands	ENG	40.0	43.3	41.9	*50*	*76*	*126*	17	25	42	282	346	212
E07000135	Oadby and Wigston	Leicestershire	East Midlands	ENG	47.8	44.3	45.3	*42*	*56*	*98*	14	19	33	254	318	243
E07000136	Boston	Lincolnshire	East Midlands	ENG	43.3	47.1	46.0	*39*	*62*	*101*	13	21	34	240	304	84
E07000137	East Lindsey	Lincolnshire	East Midlands	ENG	68.3	51.2	58.6	*183*	*172*	*355*	61	57	118	61	106	30
E07000138	Lincoln	Lincolnshire	East Midlands	ENG	62.3	55.0	59.7	*64*	*84*	*148*	21	28	49	49	91	68
E06000012	North East Lincolnshire	Lincolnshire	Yorkshire & The Humber	ENG	69.6	52.4	59.5	*146*	*158*	*304*	49	53	101	52	94	66
E07000139	North Kesteven	Lincolnshire	East Midlands	ENG	62.3	57.2	58.9	*107*	*132*	*239*	36	44	80	58	103	262
E06000013	North Lincolnshire	Lincolnshire	Yorkshire & The Humber	ENG	46.6	47.1	46.9	*103*	*154*	*257*	34	51	86	228	291	118
E07000140	South Holland	Lincolnshire	East Midlands	ENG	48.8	43.5	46.2	*75*	*89*	*164*	25	30	55	235	298	141
E07000141	South Kesteven	Lincolnshire	East Midlands	ENG	51.1	46.8	48.7	*102*	*138*	*240*	34	46	80	199	261	230
E07000142	West Lindsey	Lincolnshire	East Midlands	ENG	70.2	58.5	63.5	*100*	*109*	*209*	33	36	70	14	48	144
E08000011	Knowsley	Merseyside	North West	ENG	62.6	51.8	56.1	*103*	*120*	*223*	34	40	74	91	147	3
E08000012	Liverpool	Merseyside	North West	ENG	67.0	59.4	62.7	*320*	*383*	*703*	107	128	234	20	57	4
E08000014	Sefton	Merseyside	North West	ENG	60.6	53.6	57.0	*251*	*346*	*597*	84	115	199	80	130	88
E08000013	St. Helens	Merseyside	North West	ENG	67.8	55.0	60.5	*157*	*167*	*324*	52	56	108	42	83	40
E08000015	Wirral	Merseyside	North West	ENG	54.3	56.0	55.3	*245*	*365*	*610*	82	122	203	101	158	76
E07000143	Breckland	Norfolk	East of England	ENG	55.0	48.9	51.4	*123*	*160*	*283*	41	53	94	152	211	124
E07000144	Broadland	Norfolk	East of England	ENG	63.6	46.0	53.4	*137*	*148*	*285*	46	49	95	128	186	251
E07000145	Great Yarmouth	Norfolk	East of England	ENG	58.9	59.9	59.8	*93*	*129*	*222*	31	43	74	48	90	24
E07000146	King's Lynn and West Norfolk	Norfolk	East of England	ENG	52.4	47.1	49.4	*132*	*161*	*293*	44	54	98	181	243	78
E07000147	North Norfolk	Norfolk	East of England	ENG	56.9	50.5	53.4	*129*	*171*	*300*	43	57	100	129	187	93
E07000148	Norwich	Norfolk	East of England	ENG	59.8	55.9	58.0	*89*	*121*	*210*	30	40	70	71	119	61
E07000149	South Norfolk	Norfolk	East of England	ENG	61.4	43.1	51.0	*135*	*135*	*270*	45	45	90	158	218	221
E06000061	North Northamptonshire	Northamptonshire	East Midlands	ENG	56.5	48.9	52.3	*230*	*266*	*496*	77	89	165	137	196	142
E06000062	West Northamptonshire	Northamptonshire	East Midlands	ENG	49.5	44.9	47.4	*226*	*276*	*502*	75	92	167	223	286	222
E06000057	Northumberland	Northumberland	North East	ENG	63.5	57.4	60.2	*314*	*383*	*697*	105	128	232	43	85	128
E07000170	Ashfield	Nottinghamshire	East Midlands	ENG	47.0	54.2	50.9	*71*	*110*	*181*	24	37	60	159	219	63
E07000171	Bassetlaw	Nottinghamshire	East Midlands	ENG	52.8	44.7	48.5	*86*	*98*	*184*	29	33	61	203	265	106
E07000172	Broxtowe	Nottinghamshire	East Midlands	ENG	58.9	48.6	52.9	*92*	*104*	*196*	31	35	65	132	191	219

Table 1.29 Age-standardised death rates per 100,000 and number of deaths for stroke (CBVD), all ages, by local authority, United Kingdom 2018/20

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					ALL AGES											
					Age standardised stroke (CBVD) death rates per 100,000 - 3 Year Average			*Total number of stroke (CBVD) deaths 2018/20*			Average number of annual stroke (CBVD) deaths for 2018/20			ASDR Rank (1 = highest death rate)		IMD - Rank of average rank (1= most deprived)
LA Code	LA/DC/UA	Ceremonial County (Eng/Wal)	Region/Nation	4N	Men	Women	Total	*Men*	*Women*	*Total*	Men	Women	Total	4N	UK-wide	4N
E07000173	Gedling	Nottinghamshire	East Midlands	ENG	57.3	63.1	60.0	*84*	*131*	*215*	28	44	72	46	88	204
E07000174	Mansfield	Nottinghamshire	East Midlands	ENG	34.9	58.4	48.8	*47*	*108*	*155*	16	36	52	193	255	56
E07000175	Newark and Sherwood	Nottinghamshire	East Midlands	ENG	60.6	55.5	58.4	*101*	*130*	*231*	34	43	77	62	108	146
E06000018	Nottingham	Nottinghamshire	East Midlands	ENG	65.4	59.9	62.5	*169*	*221*	*390*	56	74	130	23	61	10
E07000176	Rushcliffe	Nottinghamshire	East Midlands	ENG	46.6	55.6	51.7	*74*	*138*	*212*	25	46	71	146	205	305
E07000177	Cherwell	Oxfordshire	South East	ENG	47.6	48.2	47.9	*85*	*122*	*207*	28	41	69	211	274	216
E07000178	Oxford	Oxfordshire	South East	ENG	54.1	44.9	49.4	*73*	*90*	*163*	24	30	54	184	246	186
E07000179	South Oxfordshire	Oxfordshire	South East	ENG	51.0	51.0	51.1	*103*	*144*	*247*	34	48	82	155	215	294
E07000180	Vale of White Horse	Oxfordshire	South East	ENG	50.1	41.9	46.0	*95*	*111*	*206*	32	37	69	242	306	297
E07000181	West Oxfordshire	Oxfordshire	South East	ENG	46.8	46.1	46.9	*78*	*107*	*185*	26	36	62	229	292	293
E06000017	Rutland	Rutland	East Midlands	ENG	46.8	50.2	49.1	*30*	*46*	*76*	10	15	25	186	248	295
E06000051	Shropshire	Shropshire	West Midlands	ENG	63.3	57.2	60.6	*321*	*412*	*733*	107	137	244	40	81	162
E06000020	Telford and Wrekin	Shropshire	West Midlands	ENG	55.7	59.9	59.0	*108*	*148*	*256*	36	49	85	57	102	98
E06000022	Bath and North East Somerset	Somerset	South West	ENG	46.5	42.5	44.4	*114*	*157*	*271*	38	52	90	261	325	268
E07000187	Mendip	Somerset	South West	ENG	53.7	42.5	47.5	*94*	*109*	*203*	31	36	68	219	282	167
E06000024	North Somerset	Somerset	South West	ENG	45.6	39.0	41.8	*148*	*195*	*343*	49	65	114	286	350	217
E07000188	Sedgemoor	Somerset	South West	ENG	55.1	53.2	53.8	*101*	*143*	*244*	34	48	81	122	180	119
E07000246	Somerset West and Taunton	Somerset	South West	ENG	61.4	56.5	59.2	*162*	*227*	*389*	54	76	130	53	97	139
E07000189	South Somerset	Somerset	South West	ENG	58.2	49.8	53.6	*157*	*203*	*360*	52	68	120	125	183	160
E07000192	Cannock Chase	Staffordshire	West Midlands	ENG	73.6	44.3	55.6	*85*	*76*	*161*	28	25	54	94	151	123
E07000193	East Staffordshire	Staffordshire	West Midlands	ENG	54.0	48.8	51.6	*75*	*104*	*179*	25	35	60	148	207	155
E07000194	Lichfield	Staffordshire	West Midlands	ENG	57.5	45.5	50.5	*88*	*97*	*185*	29	32	62	168	228	244
E07000195	Newcastle-under-Lyme	Staffordshire	West Midlands	ENG	44.7	27.9	35.6	*78*	*68*	*146*	26	23	49	304	369	148
E07000196	South Staffordshire	Staffordshire	West Midlands	ENG	54.7	51.0	51.8	*86*	*126*	*212*	29	42	71	143	202	231
E07000197	Stafford	Staffordshire	West Midlands	ENG	50.2	44.3	47.1	*98*	*118*	*216*	33	39	72	224	287	229
E07000198	Staffordshire Moorlands	Staffordshire	West Midlands	ENG	59.7	45.4	51.2	*89*	*93*	*182*	30	31	61	154	213	201
E06000021	Stoke-on-Trent	Staffordshire	West Midlands	ENG	49.1	48.3	48.9	*133*	*178*	*311*	44	59	104	188	250	15
E07000199	Tamworth	Staffordshire	West Midlands	ENG	43.3	60.5	54.5	*39*	*73*	*112*	13	24	37	111	168	122
E07000200	Babergh	Suffolk	East of England	ENG	48.4	39.6	43.6	*77*	*90*	*167*	26	30	56	269	333	208
E07000244	East Suffolk	Suffolk	East of England	ENG	48.8	50.5	50.0	*221*	*328*	*549*	74	109	183	172	234	156
E07000202	Ipswich	Suffolk	East of England	ENG	44.4	41.8	43.3	*73*	*92*	*165*	24	31	55	270	334	70
E07000203	Mid Suffolk	Suffolk	East of England	ENG	54.9	46.5	50.7	*86*	*105*	*191*	29	35	64	164	224	225
E07000245	West Suffolk	Suffolk	East of England	ENG	46.2	46.3	46.7	*119*	*168*	*287*	40	56	96	231	294	173
E07000207	Elmbridge	Surrey	South East	ENG	46.7	46.9	47.6	*86*	*134*	*220*	29	45	73	215	278	302
E07000208	Epsom and Ewell	Surrey	South East	ENG	47.7	35.5	41.8	*50*	*51*	*101*	17	17	34	285	349	291
E07000209	Guildford	Surrey	South East	ENG	43.6	46.2	44.6	*72*	*116*	*188*	24	39	63	257	321	288
E07000210	Mole Valley	Surrey	South East	ENG	44.3	37.9	40.7	*67*	*82*	*149*	22	27	50	292	356	286
E07000211	Reigate and Banstead	Surrey	South East	ENG	51.0	45.9	48.0	*94*	*133*	*227*	31	44	76	210	273	270
E07000212	Runnymede	Surrey	South East	ENG	50.8	53.8	53.5	*56*	*83*	*139*	19	28	46	127	185	250
E07000213	Spelthorne	Surrey	South East	ENG	43.3	50.9	48.1	*57*	*89*	*146*	19	30	49	208	271	198
E07000214	Surrey Heath	Surrey	South East	ENG	43.5	37.9	41.4	*53*	*69*	*122*	18	23	41	288	352	301
E07000215	Tandridge	Surrey	South East	ENG	37.1	51.4	46.1	*49*	*99*	*148*	16	33	49	237	301	252
E07000216	Waverley	Surrey	South East	ENG	46.2	42.0	44.1	*90*	*130*	*220*	30	43	73	264	328	304
E07000217	Woking	Surrey	South East	ENG	41.5	52.2	48.1	*53*	*94*	*147*	18	31	49	209	272	275
E08000037	Gateshead	Tyne & Wear	North East	ENG	65.5	51.8	58.0	*171*	*190*	*361*	57	63	120	70	118	54
E08000021	Newcastle upon Tyne	Tyne & Wear	North East	ENG	74.9	54.4	62.7	*220*	*223*	*443*	73	74	148	21	58	73
E08000022	North Tyneside	Tyne & Wear	North East	ENG	68.4	52.9	59.1	*166*	*207*	*373*	55	69	124	55	100	125
E08000023	South Tyneside	Tyne & Wear	North East	ENG	72.3	60.9	65.5	*134*	*169*	*303*	45	56	101	7	38	26
E08000024	Sunderland	Tyne & Wear	North East	ENG	68.9	61.4	64.5	*214*	*285*	*499*	71	95	166	11	44	33
E07000218	North Warwickshire	Warwickshire	West Midlands	ENG	57.1	52.8	54.3	*47*	*66*	*113*	16	22	38	116	173	153
E07000219	Nuneaton and Bedworth	Warwickshire	West Midlands	ENG	61.8	52.1	57.0	*92*	*110*	*202*	31	37	67	79	129	100
E07000220	Rugby	Warwickshire	West Midlands	ENG	48.1	56.4	53.2	*68*	*110*	*178*	23	37	59	130	188	218
E07000221	Stratford-on-Avon	Warwickshire	West Midlands	ENG	50.0	39.8	44.1	*107*	*124*	*231*	36	41	77	265	329	253

Table 1.29 Age-standardised death rates per 100,000 and number of deaths for stroke (CBVD), all ages, by local authority, United Kingdom 2018/20

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					ALL AGES											
					Age standardised stroke (CBVD) death rates per 100,000 - 3 Year Average			*Total number of stroke (CBVD) deaths 2018/20*			Average number of annual stroke (CBVD) deaths for 2018/20			ASDR Rank (1 = highest death rate)		IMD - Rank of average rank (1= most deprived)
LA Code	LA/DC/UA	Ceremonial County (Eng/Wal)	Region/Nation	4N	Men	Women	Total	*Men*	*Women*	*Total*	Men	Women	Total	4N	UK-wide	4N
E07000222	Warwick	Warwickshire	West Midlands	ENG	46.7	48.8	47.7	*83*	*131*	*214*	28	44	71	214	277	257
E08000025	Birmingham	West Midlands	West Midlands	ENG	56.0	48.8	52.0	*576*	*705*	*1,281*	192	235	427	142	201	6
E08000026	Coventry	West Midlands	West Midlands	ENG	57.8	52.5	55.6	*199*	*248*	*447*	66	83	149	96	153	80
E08000027	Dudley	West Midlands	West Midlands	ENG	50.7	48.6	50.2	*218*	*285*	*503*	73	95	168	171	232	103
E08000028	Sandwell	West Midlands	West Midlands	ENG	56.1	58.4	58.2	*188*	*267*	*455*	63	89	152	68	114	8
E08000029	Solihull	West Midlands	West Midlands	ENG	46.1	45.6	45.8	*137*	*208*	*345*	46	69	115	245	309	203
E08000030	Walsall	West Midlands	West Midlands	ENG	62.2	54.6	57.3	*195*	*253*	*448*	65	84	149	76	126	31
E08000031	Wolverhampton	West Midlands	West Midlands	ENG	67.3	56.4	61.9	*204*	*236*	*440*	68	79	147	29	69	19
E07000223	Adur	West Sussex	South East	ENG	64.0	32.1	46.1	*64*	*46*	*110*	21	15	37	236	299	161
E07000224	Arun	West Sussex	South East	ENG	52.3	46.3	49.7	*160*	*213*	*373*	53	71	124	178	240	147
E07000225	Chichester	West Sussex	South East	ENG	44.3	45.6	45.4	*101*	*155*	*256*	34	52	85	250	314	209
E07000226	Crawley	West Sussex	South East	ENG	55.2	44.4	48.9	*58*	*68*	*126*	19	23	42	189	251	133
E07000227	Horsham	West Sussex	South East	ENG	48.4	43.9	45.8	*102*	*140*	*242*	34	47	81	243	307	282
E07000228	Mid Sussex	West Sussex	South East	ENG	54.4	49.0	51.3	*109*	*152*	*261*	36	51	87	153	212	303
E07000229	Worthing	West Sussex	South East	ENG	45.7	48.8	48.7	*77*	*137*	*214*	26	46	71	198	260	171
E06000030	Swindon	Wiltshire	South West	ENG	59.0	51.1	55.1	*146*	*166*	*312*	49	55	104	104	161	168
E06000054	Wiltshire	Wiltshire	South West	ENG	52.3	51.5	52.0	*360*	*522*	*882*	120	174	294	141	200	227
E07000234	Bromsgrove	Worcestershire	West Midlands	ENG	52.2	44.8	48.8	*78*	*106*	*184*	26	35	61	192	254	265
E07000235	Malvern Hills	Worcestershire	West Midlands	ENG	51.7	69.2	61.9	*75*	*148*	*223*	25	49	74	28	68	184
E07000236	Redditch	Worcestershire	West Midlands	ENG	39.1	53.5	47.4	*34*	*69*	*103*	11	23	34	221	284	116
E07000237	Worcester	Worcestershire	West Midlands	ENG	69.0	60.5	65.3	*78*	*100*	*178*	26	33	59	8	39	157
E07000238	Wychavon	Worcestershire	West Midlands	ENG	43.2	40.5	42.9	*94*	*122*	*216*	31	41	72	274	338	188
E07000239	Wyre Forest	Worcestershire	West Midlands	ENG	67.8	58.0	63.2	*106*	*126*	*232*	35	42	77	18	54	112
E06000011	East Riding of Yorkshire	Yorkshire (East Riding)	Yorkshire & The Humber	ENG	57.7	55.3	56.2	*303*	*423*	*726*	101	141	242	89	144	213
E06000010	Kingston upon Hull, City of	Yorkshire (East Riding)	Yorkshire & The Humber	ENG	85.4	76.2	80.8	*209*	*259*	*468*	70	86	156	2	7	9
E07000163	Craven	Yorkshire (North Yorkshire)	Yorkshire & The Humber	ENG	61.5	55.0	57.4	*59*	*82*	*141*	20	27	47	75	124	235
E07000164	Hambleton	Yorkshire (North Yorkshire)	Yorkshire & The Humber	ENG	58.0	47.2	50.6	*80*	*99*	*179*	27	33	60	165	225	249
E07000165	Harrogate	Yorkshire (North Yorkshire)	Yorkshire & The Humber	ENG	54.8	59.5	57.3	*136*	*227*	*363*	45	76	121	77	127	271
E06000002	Middlesbrough	Yorkshire (North Yorkshire)	North East	ENG	71.5	60.4	64.6	*103*	*125*	*228*	34	42	76	10	43	16
E06000003	Redcar and Cleveland	Yorkshire (North Yorkshire)	North East	ENG	67.4	53.3	59.0	*130*	*139*	*269*	43	46	90	56	101	62
E07000166	Richmondshire	Yorkshire (North Yorkshire)	Yorkshire & The Humber	ENG	63.3	62.9	63.2	*45*	*60*	*105*	15	20	35	17	53	245
E07000167	Ryedale	Yorkshire (North Yorkshire)	Yorkshire & The Humber	ENG	53.9	55.3	54.3	*49*	*76*	*125*	16	25	42	115	172	177
E07000168	Scarborough	Yorkshire (North Yorkshire)	Yorkshire & The Humber	ENG	76.0	88.4	84.5	*131*	*238*	*369*	44	79	123	1	5	74
E07000169	Selby	Yorkshire (North Yorkshire)	Yorkshire & The Humber	ENG	61.7	50.3	56.1	*66*	*78*	*144*	22	26	48	90	145	246
E06000014	York	Yorkshire (North Yorkshire)	Yorkshire & The Humber	ENG	50.7	55.3	54.6	*130*	*215*	*345*	43	72	115	109	166	269
E08000016	Barnsley	Yorkshire (South Yorkshire)	Yorkshire & The Humber	ENG	69.8	56.0	61.4	*203*	*232*	*435*	68	77	145	32	72	38
E08000017	Doncaster	Yorkshire (South Yorkshire)	Yorkshire & The Humber	ENG	58.3	51.9	55.0	*220*	*275*	*495*	73	92	165	105	162	41
E08000018	Rotherham	Yorkshire (South Yorkshire)	Yorkshire & The Humber	ENG	55.5	53.6	54.4	*180*	*245*	*425*	60	82	142	113	170	50
E08000019	Sheffield	Yorkshire (South Yorkshire)	Yorkshire & The Humber	ENG	58.4	50.7	54.1	*366*	*447*	*813*	122	149	271	117	175	92
E08000032	Bradford	Yorkshire (West Yorkshire)	Yorkshire & The Humber	ENG	68.7	60.4	64.8	*360*	*455*	*815*	120	152	272	9	42	21
E08000033	Calderdale	Yorkshire (West Yorkshire)	Yorkshire & The Humber	ENG	50.3	51.4	52.3	*124*	*185*	*309*	41	62	103	138	197	75
E08000034	Kirklees	Yorkshire (West Yorkshire)	Yorkshire & The Humber	ENG	62.9	56.0	58.9	*308*	*387*	*695*	103	129	232	59	104	86
E08000035	Leeds	Yorkshire (West Yorkshire)	Yorkshire & The Humber	ENG	55.1	54.6	55.0	*428*	*621*	*1,049*	143	207	350	106	163	91
E08000036	Wakefield	Yorkshire (West Yorkshire)	Yorkshire & The Humber	ENG	58.1	55.3	56.8	*244*	*316*	*560*	81	105	187	82	132	64
N09000001	Antrim and Newtownabbey		Northern Ireland	NI	66.7	53.4	59.2	*95*	*117*	*212*	32	39	71	4	96	10
N09000011	Ards and North Down		Northern Ireland	NI	54.7	48.6	50.4	*113*	*137*	*250*	38	46	83	10	229	9
N09000002	Armagh City, Banbridge and Craigavon		Northern Ireland	NI	53.4	51.0	52.9	*107*	*151*	*258*	36	50	86	9	190	7
N09000003	Belfast		Northern Ireland	NI	58.4	66.3	56.1	*187*	*278*	*465*	62	93	155	8	146	4
N09000004	Causeway Coast and Glens		Northern Ireland	NI	68.5	48.2	63.2	*106*	*137*	*243*	35	46	81	2	51	5
N09000005	Derry City and Strabane		Northern Ireland	NI	56.5	52.2	56.8	*79*	*101*	*180*	26	34	60	5	133	1
N09000006	Fermanagh and Omagh		Northern Ireland	NI	55.1	59.0	56.5	*64*	*102*	*166*	21	34	55	7	138	2
N09000007	Lisburn and Castlereagh		Northern Ireland	NI	55.6	62.1	56.5	*89*	*130*	*219*	30	43	73	6	137	11
N09000008	Mid and East Antrim		Northern Ireland	NI	69.0	55.4	62.1	*112*	*132*	*244*	37	44	81	3	65	8

Table 1.29 Age-standardised death rates per 100,000 and number of deaths for stroke (CBVD), all ages, by local authority, United Kingdom 2018/20

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					ALL AGES											
					Age standardised stroke (CBVD) death rates per 100,000 - 3 Year Average			*Total number of stroke (CBVD) deaths 2018/20*			Average number of annual stroke (CBVD) deaths for 2018/20			ASDR Rank (1 = highest death rate)		IMD - Rank of average rank (1= most deprived)
LA Code	LA/DC/UA	Ceremonial County (Eng/Wal)	Region/Nation	4N	Men	Women	Total	*Men*	*Women*	*Total*	Men	Women	Total	4N	UK-wide	4N
N09000009	Mid Ulster		Northern Ireland	NI	77.4	52.0	65.0	*104*	*106*	*210*	35	35	70	1	41	6
N09000010	Newry, Mourne and Down		Northern Ireland	NI	52.5	42.5	46.1	*93*	*99*	*192*	31	33	64	11	300	3
S12000033	Aberdeen City		Scotland	SCO	83.3	77.8	79.6	*181*	*264*	*445*	60	88	148	6	8	26
S12000034	Aberdeenshire		Scotland	SCO	74.8	72.0	74.3	*225*	*303*	*528*	75	101	176	19	22	29
S12000041	Angus		Scotland	SCO	76.0	72.8	74.4	*126*	*181*	*307*	42	60	102	18	21	20
S12000035	Argyll and Bute		Scotland	SCO	67.8	70.3	70.7	*92*	*130*	*222*	31	43	74	22	26	15
S12000036	City of Edinburgh		Scotland	SCO	72.5	65.6	68.4	*352*	*516*	*868*	117	172	289	23	29	30
S12000005	Clackmannanshire		Scotland	SCO	57.8	79.8	72.2	*38*	*64*	*102*	13	21	34	21	25	8
S12000006	Dumfries and Galloway		Scotland	SCO	68.1	77.8	75.0	*167*	*244*	*411*	56	81	137	17	20	10
S12000042	Dundee City		Scotland	SCO	66.1	78.7	75.2	*108*	*201*	*309*	36	67	103	15	18	7
S12000008	East Ayrshire		Scotland	SCO	89.4	85.6	87.5	*127*	*174*	*301*	42	58	100	2	2	6
S12000045	East Dunbartonshire		Scotland	SCO	58.4	58.4	59.3	*90*	*134*	*224*	30	45	75	30	95	31
S12000010	East Lothian		Scotland	SCO	84.5	55.2	66.5	*106*	*105*	*211*	35	35	70	26	36	22
S12000011	East Renfrewshire		Scotland	SCO	59.9	63.2	62.0	*71*	*121*	*192*	24	40	64	29	66	32
S12000014	Falkirk		Scotland	SCO	74.9	81.5	79.1	*136*	*208*	*344*	45	69	115	9	12	16
S12000047	Fife		Scotland	SCO	77.8	78.0	77.9	*350*	*517*	*867*	117	172	289	11	14	14
S12000049	Glasgow City		Scotland	SCO	89.4	72.3	79.6	*471*	*595*	*1,066*	157	198	355	7	9	4
S12000017	Highland		Scotland	SCO	73.1	75.0	75.1	*234*	*336*	*570*	78	112	190	16	19	19
S12000018	Inverclyde		Scotland	SCO	87.8	74.1	78.8	*79*	*117*	*196*	26	39	65	10	13	3
S12000019	Midlothian		Scotland	SCO	48.7	63.1	58.1	*49*	*87*	*136*	16	29	45	31	116	18
S12000020	Moray		Scotland	SCO	72.7	82.8	77.7	*92*	*149*	*241*	31	50	80	12	15	23
S12000013	Na h-Eileanan Siar		Scotland	SCO	83.0	75.2	79.2	*36*	*48*	*84*	12	16	28	8	11	9
S12000021	North Ayrshire		Scotland	SCO	98.3	81.2	86.3	*158*	*207*	*365*	53	69	122	3	3	2
S12000050	North Lanarkshire		Scotland	SCO	86.2	70.2	76.7	*291*	*341*	*632*	97	114	211	14	17	5
S12000023	Orkney Islands		Scotland	SCO	56.6	68.1	62.5	*18*	*30*	*48*	6	10	16	28	60	25
S12000048	Perth and Kinross		Scotland	SCO	56.3	67.4	63.2	*127*	*226*	*353*	42	75	118	27	50	27
S12000038	Renfrewshire		Scotland	SCO	93.5	75.1	83.3	*191*	*228*	*419*	64	76	140	5	6	12
S12000026	Scottish Borders		Scotland	SCO	79.9	67.9	73.8	*135*	*157*	*292*	45	52	97	20	23	21
S12000027	Shetland Islands		Scotland	SCO	34.7	37.1	36.5	*10*	*14*	*24*	3	5	8	32	367	24
S12000028	South Ayrshire		Scotland	SCO	79.4	87.2	85.7	*142*	*225*	*367*	47	75	122	4	4	13
S12000029	South Lanarkshire		Scotland	SCO	82.8	72.8	77.6	*310*	*400*	*710*	103	133	237	13	16	11
S12000030	Stirling		Scotland	SCO	56.2	73.2	67.7	*63*	*119*	*182*	21	40	61	24	33	28
S12000039	West Dunbartonshire		Scotland	SCO	101.1	83.3	90.4	*88*	*121*	*209*	29	40	70	1	1	1
S12000040	West Lothian		Scotland	SCO	69.1	65.2	66.9	*122*	*157*	*279*	41	52	93	25	35	17
W06000003	Conwy	Clwyd	Wales / Cymru	WAL	47.4	52.9	51.1	*107*	*173*	*280*	36	58	93	20	214	14
W06000004	Denbighshire / Sir Ddinbych	Clwyd	Wales / Cymru	WAL	69.8	60.7	65.2	*105*	*109*	*214*	35	36	71	6	40	9
W06000005	Flintshire / Sir y Fflint	Clwyd	Wales / Cymru	WAL	54.9	58.5	57.3	*110*	*157*	*267*	37	52	89	15	125	18
W06000006	Wrexham / Wrecsam	Clwyd	Wales / Cymru	WAL	56.9	63.3	61.4	*104*	*144*	*248*	35	48	83	9	73	16
W06000010	Carmarthenshire / Sir Gaerfyrddin	Dyfed	Wales / Cymru	WAL	60.5	51.3	55.7	*171*	*199*	*370*	57	66	123	18	150	10
W06000008	Ceredigion	Dyfed	Wales / Cymru	WAL	58.4	54.1	56.8	*72*	*91*	*163*	24	30	54	16	134	20
W06000009	Pembrokeshire / Sir Benfro	Dyfed	Wales / Cymru	WAL	44.2	53.8	50.1	*91*	*155*	*246*	30	52	82	21	233	13
W06000019	Blaenau Gwent	Gwent	Wales / Cymru	WAL	68.8	67.6	68.7	*58*	*79*	*137*	19	26	46	2	28	1
W06000018	Caerphilly / Caerffili	Gwent	Wales / Cymru	WAL	60.6	58.7	60.3	*131*	*165*	*296*	44	55	99	10	84	5
W06000021	Monmouthshire / Sir Fynwy	Gwent	Wales / Cymru	WAL	46.8	49.5	48.3	*71*	*109*	*180*	24	36	60	22	268	22
W06000022	Newport / Casnewydd	Gwent	Wales / Cymru	WAL	77.5	57.9	67.2	*135*	*139*	*274*	45	46	91	4	34	7
W06000020	Torfaen / Tor-faen	Gwent	Wales / Cymru	WAL	55.9	59.5	58.1	*67*	*103*	*170*	22	34	57	13	117	6
W06000002	Gwynedd	Gwynedd	Wales / Cymru	WAL	71.0	56.8	63.1	*132*	*155*	*287*	44	52	96	8	55	17
W06000001	Isle of Anglesey / Ynys Môn	Gwynedd	Wales / Cymru	WAL	68.9	65.4	65.9	*76*	*106*	*182*	25	35	61	5	37	11
W06000013	Bridgend / Pen-y-bont ar Ogwr	Mid Glamorgan / Morgannwg Ganol	Wales / Cymru	WAL	71.2	57.8	63.7	*134*	*146*	*280*	45	49	93	7	47	8
W06000024	Merthyr Tydfil / Merthyr Tudful	Mid Glamorgan / Morgannwg Ganol	Wales / Cymru	WAL	67.2	77.1	73.5	*47*	*70*	*117*	16	23	39	1	24	2
W06000016	Rhondda Cynon Taf / Rhondda Cynon Taf	Mid Glamorgan / Morgannwg Ganol	Wales / Cymru	WAL	71.6	65.4	68.0	*206*	*256*	*462*	69	85	154	3	31	4
W06000023	Powys	Powys	Wales / Cymru	WAL	61.5	54.3	58.5	*142*	*180*	*322*	47	60	107	12	107	21
W06000015	Cardiff / Caerdydd	South Glamorgan / De Morgannwg	Wales / Cymru	WAL	63.5	53.6	59.1	*212*	*285*	*497*	71	95	166	11	99	15

Table 1.29 Age-standardised death rates per 100,000 and number of deaths for stroke (CBVD), all ages, by local authority, United Kingdom 2018/20

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					ALL AGES											
					Age standardised stroke (CBVD) death rates per 100,000 - 3 Year Average			*Total number of stroke (CBVD) deaths 2018/20*			Average number of annual stroke (CBVD) deaths for 2018/20			ASDR Rank (1 = highest death rate)		IMD - Rank of average rank (1= most deprived)
LA Code	LA/DC/UA	Ceremonial County (Eng/Wal)	Region/Nation	4N	Men	Women	Total	*Men*	*Women*	*Total*	Men	Women	Total	4N	UK-wide	4N
W06000014	Vale of Glamorgan / Bro Morgannwg	South Glamorgan / De Morgannwg	Wales / Cymru	WAL	48.2	56.7	54.2	*82*	*145*	*227*	27	48	76	19	174	19
W06000012	Neath Port Talbot / Castell-nedd Port Talbot	West Glamorgan / Gorllewin Morgannwg	Wales / Cymru	WAL	57.6	56.2	56.6	*103*	*143*	*246*	34	48	82	17	136	3
W06000011	Swansea / Abertawe	West Glamorgan / Gorllewin Morgannwg	Wales / Cymru	WAL	62.3	54.3	57.7	*190*	*248*	*438*	63	83	146	14	122	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 1.30 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 for 2020 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 1.31 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

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 2022 - Chapter 2 - Morbidity - Incidence & Prevalence

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Table 2.1 Inpatient admissions by main diagnosis in National Health Service hospitals by sex, England, Scotland, Wales, Northern Ireland and United Kingdom 2020/21

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	England		Scotland		Wales		Northern Ireland		United Kingdom		
	Male	Female	Male	Female	Male	Female	Male	Female	Male	Female	All
All diagnoses	***5,800,000***	***7,000,000***	***407,608***	***443,760***	***224,734***	***292,747***	***187,000***	***172,000***	***6,619,342***	***7,908,507***	***14,527,849***
All heart and circulatory diseases (C38.0, F01, G45, I00-I99, P29, Q20-Q28)	**481,000**	**367,000**	**41,868**	**32,321**	**23,934**	**17,966**	**13,800**	**9,600**	**560,602**	**426,887**	**987,489**
Diseases of the circulatory system (I00-I99)	460,000	347,000	40,144	30,560	23,046	17,060	13,400	9,200	536,590	403,820	940,410
Coronary heart disease (I20-I25)	137,500	67,900	13,694	7,146	7,588	3,767	5,700	2,300	164,482	81,113	245,595
Angina pectoris (I20)	*25,700*	*15,700*	*2,476*	*1,579*	*950*	*656*	*610*	*300*	*29,736*	*18,235*	*47,971*
Myocardial infarction (I21-I22)	*50,200*	*26,000*	*6,526*	*3,594*	*3,155*	*1,674*	*2,300*	*1,000*	*62,181*	*32,268*	*94,449*
Stroke (160-169)	57,000	52,000	6,000	5,535	3,609	3,454	540	600	67,149	61,589	128,738
Atrial fibrillation (I48)	50,700	45,300	3,961	3,621	2,149	1,871	1,400	1,100	58,210	51,892	110,102
Heart failure (I50)	44,000	38,000	3,820	3,384	2,080	1,837	1,400	1,300	51,300	44,521	95,821
Other cardiovascular disease (I00-99 only; not listed above)	171,000	143,000	12,669	10,874	7,620	6,131	4,400	3,800	195,689	163,805	359,494
Malignant neoplasm: Heart (C38.0)	66	55	0	0	0	2	0	0	66	57	123
Vascular dementia (F01)	1,450	1,430	102	139	214	221	21	15	1,787	1,805	3,592
Transient cerebral ischaemic attacks and related syndromes (G45)	9,100	9,700	1,252	1,227	520	553	70	80	10,942	11,560	22,502
Cardiovascular disorders originating in the perinatal period (P29)	1,990	1,710			26	25	90	60	2,106	1,795	3,901
Congenital malformations of the circulatory system (Q20-Q28)	8,300	7,100	370	395	128	105	280	270	9,078	7,870	16,948

Notes:

Pregnancy cases not included. ICD-10 codes in parentheses. There were significant drops in hospital activity in 2020/21 during coronavirus pandemic.
For England and Northern Ireland, male/female estimates are pro rata based on finished consultant episodes splits, rounded.
Recent Wales data subject to revision. Scottish all diagnosis totals exclude some codes (ICD-10 codes U,V,W,X,Y)

Source:

England - NHS Digital (2021). Hospital Episode Statistics 2020/21.
https://digital.nhs.uk/data-and-information/publications/statistical/hospital-admitted-patient-care-activity/2020-21
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Digital Health and Care Wales (2022). Personal correspondence.
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https://www.health-ni.gov.uk/publications/acute-episode-based-activity-downloadable-data-202021

Table 2.2a All inpatient admissions by main diagnosis in NHS hospitals, England, Scotland, Wales, Northern Ireland and United Kingdom, 2005/06 to 2020/21

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ALL ADMISSIONS

		2005/06	2006/07	2007/08	2008/09	2009/10	2010/11	2011/12	2012/13	2013/14	2014/15	2015/16	2016/17	2017/18	2018/19	2019/20	2020/21
England	Heart and circulatory diseases (CVD) (I00-I99)			897,843	917,317	925,007	936,007	941,880	930,641	944,753	962,129	994,450	918,298	925,576	947,200	963,783	807,074
	Coronary heart disease (I20-I25)			305,988	300,164	285,426	279,923	280,794	276,762	273,873	269,116	267,016	266,725	263,656	261,100	255,562	205,389
	Myocardial infarction (I21-I22)			*77,055*	*74,230*	*69,919*	*62,268*	*64,088*	*76,245*	*78,174*	*78,278*	*79,795*	*80,621*	*81,637*	*81,200*	*82,827*	*76,150*
	Atrial fibrillation (I48)			85,610	88,469	91,782	94,450	96,065	98,169	100,616	102,202	107,513	109,092	109,564	115,300	117,608	96,009
	Heart Failure (I50)			58,582	57,916	58,513	59,221	60,419	62,378	64,200	70,143	76,994	80,603	84,776	86,500	94,146	81,766
	Stroke (I60-I69)			93,136	95,841	101,319	104,475	106,516	107,412	106,531	107,279	108,940	107,828	109,124	111,100	114,991	108,958
	Other cardiovascular disease (I00-99 only; not listed above)			354,527	374,927	387,967	397,938	398,086	385,920	399,533	413,389	433,987	354,050	358,456	373,200	381,508	314,952
Scotland	Heart and circulatory diseases (CVD) (I00-I99)				94,096	91,714	91,518	91,688	90,765	91,252	89,884	90,805	84,036	83,624	83,759	83,099	70,704
	Coronary heart disease (I20-I25)				28,645	26,689	27,331	27,156	26,129	25,943	24,854	24,100	24,417	24,245	24,667	24,288	20,840
	Myocardial infarction (I21-I22)				*9,540*	*9,927*	*10,980*	*11,387*	*11,224*	*11,095*	*10,694*	*10,437*	*10,651*	*10,559*	*10,583*	*10,625*	*10,120*
	Atrial fibrillation (I48)				8,821	8,724	9,203	9,304	9,192	9,449	9,450	9,667	9,548	9,666	9,787	9,609	7,582
	Heart Failure (I50)				7,245	6,992	7,058	7,268	7,056	6,965	6,946	7,430	7,627	7,677	7,703	8,138	7,204
	Stroke (I60-I69)				11,536	11,650	11,327	11,357	11,369	11,251	11,607	11,806	11,859	11,845	12,048	12,068	11,535
	Other cardiovascular disease (I00-99 only; not listed above)				37,849	37,659	36,599	36,603	37,019	37,644	37,027	37,802	30,585	30,191	29,554	28,996	23,543
Wales	Heart and circulatory diseases (CVD) (I00-I99)	54,249	54,906	55,272	56,997	56,032	55,059	53,577	52,671	53,665	52,852	53,087	49,424	46,917	49,390	48,579	40,106
	Coronary heart disease (I20-I25)	17,428	17,990	17,945	17,913	16,811	16,325	15,601	14,961	14,646	13,969	14,338	13,873	13,262	13,752	13,727	11,355
	Myocardial infarction (I21-I22)	*5,328*	*5,243*	*5,088*	*5,248*	*4,572*	*4,256*	*4,110*	*4,537*	*4,745*	*4,623*	*5,325*	*5,230*	*5,249*	*4,980*	*5,055*	*4,829*
	Atrial fibrillation (I48)	4,969	4,880	5,019	4,919	5,097	5,389	5,418	5,505	5,691	5,577	5,642	5,884	5,450	5,820	5,195	4,020
	Heart Failure (I50)	5,022	4,576	4,645	4,711	4,390	4,685	4,447	4,609	4,494	4,564	4,443	4,634	4,387	4,535	4,686	3,917
	Stroke (I60-I69)	7,305	6,912	6,908	7,509	7,089	7,284	7,239	7,182	7,531	7,492	7,548	7,484	7,167	7,404	7,417	7,063
	Other cardiovascular disease (I00-99 only; not listed at	19,525	20,548	20,755	21,945	22,645	21,376	20,872	20,414	21,303	21,250	21,116	17,549	16,651	17,879	17,554	13,751
Northern Ireland	Heart and circulatory diseases (CVD) (I00-I99)							39,000	35,700	36,800	35,800	34,700	32,800	32,100	33,000	32,505	22,610
	Coronary heart disease (I20-I25)							12,300	12,700	13,700	13,000	12,700	12,100	11,600	12,000	11,232	8,016
	Myocardial infarction (I21-I22)							*2,600*	*3,600*	*4,100*	*4,100*	*4,300*	*4,500*	*4,400*	*4,200*	*4,330*	*3,327*
	Atrial fibrillation (I48)							4,000	3,900	3,800	3,800	4,300	4,100	3,900	3,800	3,808	2,446
	Heart Failure (I50)							2,400	2,700	2,800	2,800	2,800	2,900	3,000	3,200	3,585	2,738
	Stroke (I60-I69)							2,200	2,000	2,200	1,660	1,450	1,400	1,420	1,310	1,234	1,147
	Other cardiovascular disease (I00-99 only; not listed above)							18,100	14,400	14,300	14,540	13,450	12,300	12,180	12,690	12,646	8,263
United Kingdom	**Heart and circulatory diseases (CVD) (I00-I99)**							**1,126,145**	**1,109,777**	**1,126,470**	**1,140,665**	**1,173,042**	**1,084,558**	**1,088,217**	**1,113,349**	**1,127,966**	**940,494**
	Coronary heart disease (I20-I25)							335,851	330,552	328,162	320,939	318,154	317,115	312,763	311,519	304,809	245,600
	Myocardial infarction (I21-I22)							82,185	95,606	98,114	97,695	99,857	101,002	101,845	100,963	102,837	94,426
	Atrial fibrillation (I48)							114,787	116,766	119,556	121,029	127,122	128,624	128,580	134,707	136,220	110,057
	Heart Failure (I50)							74,534	76,743	78,459	84,453	91,667	95,764	99,840	101,938	110,555	95,625
	Stroke (I60-I69)							127,312	127,963	127,513	128,038	129,744	128,571	129,556	131,862	135,710	128,703
	Other cardiovascular disease (I00-99 only; not listed above)							473,661	457,753	472,780	486,206	506,355	414,484	417,478	433,323	440,704	360,509

Notes: Pregnancy cases not included. ICD-10 codes in parentheses. There were significant drops in hospital activity in 2020/21 during coronavirus pandemic. Recent Welsh data are subject to revision.

Source:
England - NHS Digital (2021). Hospital Statistics to 2020/21. https://digital.nhs.uk/data-and-information/publications/statistical/hospital-admitted-patient-care-activity/2020-21
Public Health Scotland (2022). Personal correspondence.
Digital Health and Care Wales (2022). Personal correspondence and PEDW archive https://nwis.nhs.wales/information-services/health-intelligence/pedw-data-online/
NI Department of Health (2021). Hospital Statistics to 2020/21 https://www.health-ni.gov.uk/publications/acute-episode-based-activity-downloadable-data-202021

Table 2.2b All inpatient admissions by main diagnosis in NHS hospitals in men, England, Scotland, Wales, Northern Ireland and United Kingdom, 2005/06 to 2020/21

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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	2020/21
England	Heart and circulatory diseases (CVD) (I00-I99)			511,764	523,983	527,642	533,919	541,347	537,238	544,696	552,169	571,702	535,797	541,917	544,900	553,477	460,000
	Coronary heart disease (I20-I25)			202,280	199,223	190,610	186,653	187,500	186,072	185,057	182,029	180,959	180,900	179,630	174,600	171,391	137,500
	Myocardial infarction (I21-I22)			*49,467*	*47,414*	*44,858*	*39,442*	*40,682*	*49,433*	*51,347*	*51,398*	*52,530*	*53,484*	*54,367*	*52,800*	*54,114*	*50,200*
	Atrial fibrillation (I48)			47,895	49,597	51,582	53,425	54,258	55,605	56,502	57,671	61,458	62,380	62,583	63,200	64,437	50,700
	Heart Failure (I50)			30,253	29,935	30,525	30,885	32,048	33,015	34,196	37,632	41,603	43,808	46,679	46,700	50,426	44,000
	Stroke (I60-I69)			45,374	47,147	49,793	51,973	53,191	53,905	53,485	54,384	55,875	55,472	56,294	57,000	59,116	57,000
	Other cardiovascular disease (I00-99 only; not listed above)			185,962	198,081	205,132	210,983	214,350	208,641	215,456	220,453	231,807	193,237	196,731	203,400	210,487	171,000
Scotland	Heart and circulatory diseases (CVD) (I00-I99)				51,133	49,884	50,254	50,482	50,332	50,212	49,890	50,487	47,651	47,249	47,567	47,517	40,144
	Coronary heart disease (I20-I25)				18,017	16,915	17,374	17,327	16,797	16,474	16,078	15,579	15,989	15,745	16,122	15,980	13,694
	Myocardial infarction (I21-I22)				*5,936*	*6,175*	*6,762*	*7,097*	*7,021*	*6,856*	*6,744*	*6,593*	*6,782*	*6,668*	*6,723*	*6,876*	*6,526*
	Atrial fibrillation (I48)				4,698	4,682	4,899	4,961	4,998	4,965	4,984	5,090	5,045	5,153	5,242	5,234	3,961
	Heart Failure (I50)				3,839	3,668	3,758	3,806	3,759	3,745	3,757	4,031	4,092	4,124	4,051	4,404	3,820
	Stroke (I60-I69)				5,556	5,637	5,453	5,514	5,612	5,495	5,725	5,893	6,008	5,870	6,143	6,191	6,000
	Other cardiovascular disease (I00-99 only; not listed above)				19,023	18,982	18,770	18,874	19,166	19,533	19,346	19,894	16,517	16,357	16,009	15,708	12,669
Wales	Heart and circulatory diseases (CVD) (I00-I99)	29,514	30,090	30,362	31,302	30,880	30,541	29,897	29,697	30,096	29,724	29,678	28,471	26,695	28,594	28,107	23,046
	Coronary heart disease (I20-I25)	10,910	11,320	11,432	11,515	10,901	10,648	10,158	9,759	9,604	9,244	9,316	9,145	8,720	9,204	9,134	7,588
	Myocardial infarction (I21-I22)	*3,218*	*3,194*	*3,100*	*3,248*	*2,861*	*2,641*	*2,554*	*2,844*	*3,041*	*3,014*	*3,431*	*3,368*	*3,413*	*3,276*	*3,365*	*3,155*
	Atrial fibrillation (I48)	2,570	2,505	2,635	2,585	2,684	2,861	2,915	2,995	3,103	3,063	3,025	3,283	2,973	3,294	2,978	2,149
	Heart Failure (I50)	2,586	2,306	2,277	2,432	2,269	2,419	2,357	2,493	2,360	2,402	2,298	2,502	2,317	2,455	2,497	2,080
	Stroke (I60-I69)	3,386	3,384	3,244	3,478	3,416	3,568	3,430	3,425	3,742	3,629	3,672	3,809	3,621	3,773	3,783	3,609
	Other cardiovascular disease (I00-99 only; not listed abov	10,062	10,575	10,774	11,292	11,610	11,045	11,037	11,025	11,287	11,386	11,367	9,732	9,064	9,868	8,762	7,620
Northern Ireland	Heart and circulatory diseases (CVD) (I00-I99)							22,200	20,100	21,300	20,700	20,200	19,100	18,700	19,300	19,373	13,400
	Coronary heart disease (I20-I25)							8,300	8,600	9,500	9,000	8,800	8,300	8,100	8,400	8,040	5,700
	Myocardial infarction (I21-I22)							*1,600*	*2,300*	*2,700*	*2,700*	*2,800*	*3,000*	*3,000*	*2,900*	*2,975*	*2,300*
	Atrial fibrillation (I48)							2,300	2,100	2,100	2,200	2,400	2,300	2,200	2,100	2,200	1,400
	Heart Failure (I50)							1,100	1,300	1,400	1,400	1,400	1,400	1,500	1,600	1,866	1,400
	Stroke (I60-I69)							1,100	1,000	1,100	830	740	660	680	630	611	540
	Other cardiovascular disease (I00-99 only; not listed above)							9,400	7,100	7,200	7,270	6,860	6,440	6,220	6,570	6,856	4,400
United Kingdom	**Heart and circulatory diseases (CVD) (I00-I99)**							**643,926**	**637,367**	**646,304**	**652,483**	**672,067**	**631,019**	**634,561**	**640,361**	**648,474**	**536,590**
	Coronary heart disease (I20-I25)							223,285	221,228	220,635	216,351	214,654	214,334	212,195	208,326	204,545	164,482
	Myocardial infarction (I21-I22)							51,933	61,598	63,944	63,856	65,354	66,634	67,448	65,699	67,330	62,181
	Atrial fibrillation (I48)							64,434	65,698	66,670	67,918	71,973	73,008	72,909	73,836	74,849	58,210
	Heart Failure (I50)							39,311	40,567	41,701	45,191	49,332	51,802	54,620	54,806	59,194	51,300
	Stroke (I60-I69)							63,235	63,942	63,822	64,568	66,180	65,949	66,465	67,546	69,701	67,149
	Other cardiovascular disease (I00-99 only; not listed above)							253,661	245,932	253,476	258,455	269,928	225,926	228,372	235,847	241,813	195,689

Notes: Pregnancy cases not included. ICD-10 codes in parentheses. There were significant drops in hospital activity in 2020/21 during coronavirus pandemic. Recent Welsh data are subject to revision.
For some years the sex split for episodes has been applied pro rata to the total admissions for England and Northern Ireland (rounded)

Source:
England - NHS Digital (2021). Hospital Statistics to 2020/21. https://digital.nhs.uk/data-and-information/publications/statistical/hospital-admitted-patient-care-activity/2020-21
Public Health Scotland (2022). Personal correspondence.
Digital Health and Care Wales (2022). Personal Correspondence and PEDW archive https://nwis.nhs.wales/information-services/health-intelligence/pedw-data-online/
NI Department of Health (2021). Hospital Statistics to 2020/21 https://www.health-ni.gov.uk/publications/acute-episode-based-activity-downloadable-data-202021

Table 2.2c Inpatient admissions by main diagnosis in NHS hospitals in women, England, Scotland, Wales, Northern Ireland and United Kingdom, 2005/06 to 2020/21

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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	2020/21
England	Heart and circulatory diseases (CVD) (I00-I99)			386,079	393,334	397,365	402,088	400,533	393,403	400,057	409,960	422,748	382,501	383,659	402,300	410,306	347,000
	Coronary heart disease (I20-I25)			103,708	100,941	94,816	93,270	93,294	90,690	88,816	87,087	86,057	85,825	84,026	86,500	84,171	67,900
	Myocardial infarction (I21-I22)			*27,588*	*26,816*	*25,061*	*22,826*	*23,406*	*26,812*	*26,827*	*26,880*	*27,265*	*27,137*	*27,270*	*28,400*	*28,713*	*26,000*
	Atrial fibrillation (I48)			37,715	38,872	40,200	41,025	41,807	42,564	44,114	44,531	46,055	46,712	46,981	52,100	53,172	45,300
	Heart Failure (I50)			28,329	27,981	27,988	28,336	28,371	29,363	30,004	32,511	35,391	36,795	38,097	39,800	43,720	38,000
	Stroke (I60-I69)			47,762	48,694	51,526	52,502	53,325	53,507	53,046	52,895	53,065	52,356	52,830	54,100	55,875	52,000
	Other cardiovascular disease (I00-99 only; not listed above)			168,565	176,846	182,835	186,955	183,736	177,279	184,077	192,936	202,180	160,813	161,725	169,800	171,020	143,000
Scotland	Heart and circulatory diseases (CVD) (I00-I99)				42,963	41,830	41,264	41,206	40,433	41,040	39,994	40,318	36,385	36,375	36,192	35,582	30,560
	Coronary heart disease (I20-I25)				10,628	9,774	9,957	9,829	9,332	9,469	8,776	8,521	8,428	8,500	8,545	8,308	7,146
	Myocardial infarction (I21-I22)				*3,604*	*3,752*	*4,218*	*4,290*	*4,203*	*4,239*	*3,950*	*3,844*	*3,869*	*3,891*	*3,860*	*3,749*	*3,594*
	Atrial fibrillation (I48)				4,123	4,042	4,304	4,343	4,194	4,484	4,466	4,577	4,503	4,513	4,545	4,375	3,621
	Heart Failure (I50)				3,406	3,324	3,300	3,462	3,297	3,220	3,189	3,399	3,535	3,553	3,652	3,734	3,384
	Stroke (I60-I69)				5,980	6,013	5,874	5,843	5,757	5,756	5,882	5,913	5,851	5,975	5,905	5,877	5,535
	Other cardiovascular disease (I00-99 only; not listed above)				18,826	18,677	17,829	17,729	17,853	18,111	17,681	17,908	14,068	13,834	13,545	13,288	10,874
Wales	Heart and circulatory diseases (CVD) (I00-I99)	24,735	24,816	24,910	25,695	25,152	24,518	23,680	22,974	23,569	23,128	23,409	20,953	20,222	20,796	20,472	17,060
	Coronary heart disease (I20-I25)	6,518	6,670	6,513	6,398	5,910	5,677	5,443	5,202	5,042	4,725	5,022	4,728	4,542	4,548	4,593	3,767
	Myocardial infarction (I21-I22)	*2,110*	*2,049*	*1,988*	*2,000*	*1,711*	*1,615*	*1,556*	*1,693*	*1,704*	*1,609*	*1,894*	*1,862*	*1,836*	*1,704*	*1,690*	*1,674*
	Atrial fibrillation (I48)	2,399	2,375	2,384	2,334	2,413	2,528	2,503	2,510	2,588	2,514	2,617	2,601	2,477	2,526	2,217	1,871
	Heart Failure (I50)	2,436	2,270	2,368	2,279	2,121	2,266	2,090	2,116	2,134	2,162	2,145	2,132	2,070	2,080	2,189	1,837
	Stroke (I60-I69)	3,919	3,528	3,664	4,031	3,673	3,716	3,809	3,757	3,789	3,863	3,876	3,675	3,546	3,631	3,634	3,454
	Other cardiovascular disease (I00-99 only; not listed	9,463	9,973	9,981	10,653	11,035	10,331	9,835	9,389	10,016	9,864	9,749	7,817	7,587	8,011	7,839	6,131
Northern Ireland	Heart and circulatory diseases (CVD) (I00-I99)							16,800	15,600	15,500	15,100	14,500	13,700	13,400	13,700	13,132	9,200
	Coronary heart disease (I20-I25)							4,000	4,100	4,200	4,000	3,900	3,800	3,500	3,600	3,192	2,300
	Myocardial infarction (I21-I22)							*1,000*	*1,300*	*1,400*	*1,400*	*1,500*	*1,500*	*1,400*	*1,300*	*1,355*	*1,000*
	Atrial fibrillation (I48)							1,700	1,800	1,700	1,600	1,900	1,800	1,700	1,700	1,608	1,100
	Heart Failure (I50)							1,300	1,400	1,400	1,400	1,400	1,500	1,500	1,600	1,719	1,300
	Stroke (I60-I69)							1,100	1,000	1,100	830	710	740	740	680	623	600
	Other cardiovascular disease (I00-99 only; not listed above)							8,700	7,300	7,100	7,270	6,590	5,860	5,960	6,120	5,790	3,800
United Kingdom	**Heart and circulatory diseases (CVD) (I00-I99)**							**482,219**	**472,410**	**480,166**	**488,182**	**500,975**	**453,539**	**453,656**	**472,988**	**479,492**	**403,820**
	Coronary heart disease (I20-I25)							112,566	109,324	107,527	104,588	103,500	102,781	100,568	103,193	100,265	81,113
	Myocardial infarction (I21-I22)							30,252	34,008	34,170	33,839	34,503	34,368	34,397	35,264	35,506	32,268
	Atrial fibrillation (I48)							50,353	51,068	52,886	53,111	55,149	55,616	55,671	60,871	61,371	51,892
	Heart Failure (I50)							35,223	36,176	36,758	39,262	42,335	43,962	45,220	47,132	51,362	44,521
	Stroke (I60-I69)							64,077	64,021	63,691	63,470	63,564	62,622	63,091	64,316	66,009	61,589
	Other cardiovascular disease (I00-99 only; not listed above)							220,000	211,821	219,304	227,751	236,427	188,558	189,106	197,476	197,938	163,805

Notes: Pregnancy cases not included. ICD-10 codes in parentheses. There were significant drops in hospital activity in 2020/21 during coronavirus pandemic. Recent Welsh data are subject to revision.
For some years the sex split for episodes has been applied pro rata to the total admissions for England and Northern Ireland (rounded)

Source:

England - NHS Digital (2021). Hospital Statistics to 2020/21. https://digital.nhs.uk/data-and-information/publications/statistical/hospital-admitted-patient-care-activity/2020-21
Public Health Scotland (2022). Personal correspondence.
Digital Health and Care Wales (2022). Personal correspondence and PEDW archive https://nwis.nhs.wales/information-services/health-intelligence/pedw-data-online/
NI Department of Health (2021). Hospital Statistics to 2020/21 https://www.health-ni.gov.uk/publications/acute-episode-based-activity-downloadable-data-202021

Table 2.3 Inpatient episodes by main diagnosis in National Health Service hospitals by sex, England, Scotland, Wales, Northern Ireland and United Kingdom 2020/21

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	England		Scotland		Wales		Northern Ireland		United Kingdom,		
	Male	Female	Male	Female	Male	Female	Male	Female	Male	Female	All
All diagnoses	*7,320,472*	*8,818,898*	*609,237*	*652,112*	*295,225*	*364,647*	*253,709*	*234,496*	*8,478,643*	*10,070,153*	*18,548,796*
All heart and circulatory diseases (C38.0, F01, G45, I00-I99, P29, Q20-Q28)	**777,843**	**592,347**	**86,781**	**67,277**	**37,531**	**28,748**	**21,882**	**15,253**	**924,037**	**703,625**	**1,627,662**
Diseases of the circulatory system (I00-I99)	748,623	564,155	83,988	64,294	36,318	27,476	21,294	14,705	890,223	670,630	1,560,853
Coronary heart disease (I20-I25)	213,389	105,302	28,692	15,032	11,858	6,084	7,987	3,253	261,926	129,671	391,597
Angina pectoris (I20)	*38,290*	*23,297*	*3,597*	*2,298*	*1,398*	*961*	*943*	*465*	*44,228*	*27,021*	*71,249*
Myocardial infarction (I21-I22)	*96,325*	*49,885*	*15,741*	*8,810*	*5,870*	*3,115*	*3,781*	*1,680*	*121,717*	*63,490*	*185,207*
Stroke (I60-I69)	109,633	100,000	15,049	14,259	5,799	5,624	931	1,031	131,412	120,914	252,326
Atrial fibrillation (I48)	72,931	65,227	6,068	5,912	3,067	2,866	1,988	1,598	84,054	75,603	159,657
Heart failure (I50)	94,870	81,912	9,022	8,323	4,055	3,592	3,191	2,886	111,138	96,713	207,851
Other cardiovascular disease (I00-99 only; not listed above)	257,800	211,714	25,157	20,768	11,539	9,310	7,197	5,937	301,693	247,729	549,422
Malignant neoplasm: Heart (C38.0)	72	60	0	0		3	0	0	72	63	135
Vascular dementia (F01)	3,262	3,204	264	331	346	390	68	49	3,940	3,974	7,914
Transient cerebral ischaemic attacks and related syndromes (G45)	13,170	13,985	1,848	1,923	698	735	130	150	15,846	16,793	32,639
Cardiovascular disorders originating in the perinatal period (P29)	2,319	1,998			26	25	94	67	2,439	2,090	4,529
Congenital malformations of the circulatory system (Q20-Q28)	10,397	8,945	681	729	143	119	296	282	11,517	10,075	21,592

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.
There were significant drops in hospital activity in 2020/21 during coronavirus pandemic.
Recent Wales data subject to revision. Scottish all diagnosis totals exclude some codes (ICD-10 codes U,V,W,X,Y)

Source:

England - NHS Digital (2021). Hospital Episode Statistics 2020/21.
https://digital.nhs.uk/data-and-information/publications/statistical/hospital-admitted-patient-care-activity/2020-21
Public Health Scotland (2022). Personal correspondence.
Digital Health and Care Wales (2022). Personal correspondence.
NI Department of Health (2021). Hospital Episode Statistics 2020/21
https://www.health-ni.gov.uk/publications/acute-episode-based-activity-downloadable-data-202021

Table 2.4a All inpatient episodes by main diagnosis in NHS hospitals, England, Scotland, Wales, Northern Ireland and United Kingdom, 2005/06 to 2020/21

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ALL EPISODES (FCEs)		2005/06	2006/07	2007/08	2008/09	2009/10	2010/11	2011/12	2012/13	2013/14	2014/15	2015/16	2016/17	2017/18	2018/19	2019/20	2020/21
England	Heart and circulatory diseases (CVD) (I00-I99)	1,244,004	1,255,590	1,274,674	1,322,295	1,358,247	1,371,809	1,381,635	1,374,094	1,401,232	1,423,319	1,480,320	1,418,802	1,448,856	1,500,788	1,534,214	1,321,489
	Coronary heart disease (I20-I25)	428,262	427,913	424,247	422,334	407,675	405,096	409,508	404,089	401,007	393,531	393,887	396,316	397,626	400,384	393,933	322,111
	Myocardial infarction (I21-I22)	*135,705*	*137,163*	*134,066*	*132,787*	*129,346*	*120,892*	*123,786*	*143,532*	*148,259*	*148,460*	*154,857*	*159,085*	*163,090*	*164,570*	*166,474*	*147,063*
	Atrial fibrillation (I48)	107,014	109,646	115,069	120,200	126,235	130,218	132,516	135,200	138,288	139,857	146,676	148,842	149,790	161,443	164,226	139,173
	Heart Failure (I50)	106,500	100,452	104,379	106,808	112,976	117,034	121,242	127,064	133,648	146,147	160,834	169,754	180,655	188,682	205,378	177,242
	Stroke (I60-I69)	178,321	176,452	179,999	190,101	203,705	198,335	194,436	196,081	197,356	197,793	203,582	205,680	210,932	214,872	220,843	209,675
	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	473,288
Scotland	Heart and circulatory diseases (CVD) (I00-I99)				147,639	146,240	150,067	150,110	150,995	159,078	160,765	169,385	165,918	164,966	167,186	170,271	148,282
	Coronary heart disease (I20-I25)				50,005	48,521	50,566	49,813	48,328	50,169	49,086	49,434	50,848	50,000	51,889	51,476	43,724
	Myocardial infarction (I21-I22)				*19,496*	*21,290*	*24,386*	*25,275*	*25,213*	*26,661*	*25,868*	*26,462*	*26,927*	*25,808*	*26,988*	*27,021*	*24,551*
	Atrial fibrillation (I48)				11,428	11,411	12,328	12,328	12,638	13,696	13,989	14,863	15,230	15,034	15,258	14,957	11,980
	Heart Failure (I50)				11,552	11,259	11,786	12,191	12,154	13,113	13,812	16,127	16,908	17,259	17,635	19,658	17,345
	Stroke (I60-I69)				22,189	22,686	22,885	22,950	24,136	25,453	27,278	28,379	29,410	29,447	29,268	29,268	29,308
	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	45,925
Wales	Heart and circulatory diseases (CVD) (I00-I99)	80,376	81,064	82,372	84,850	88,015	87,329	88,026	87,336	88,470	84,580	85,589	79,167	77,493	81,886	75,052	63,794
	Coronary heart disease (I20-I25)	27,359	27,455	27,620	27,451	27,040	26,341	27,287	26,326	25,729	23,312	23,444	22,399	22,161	22,757	20,724	17,942
	Myocardial infarction (I21-I22)	*9,089*	*8,953*	*8,946*	*8,869*	*8,640*	*7,970*	*7,709*	*9,031*	*9,731*	*8,688*	*9,960*	*9,844*	*10,053*	*9,648*	*9,135*	*8,985*
	Atrial fibrillation (I48)	7,068	7,082	7,287	7,139	8,009	8,302	8,056	8,557	8,595	8,300	8,683	8,652	8,246	8,931	7,414	5,933
	Heart Failure (I50)	7,892	7,508	7,978	8,018	8,499	8,965	8,354	9,405	9,070	9,054	9,306	9,430	9,133	9,557	9,517	7,647
	Stroke (I60-I69)	12,132	11,873	11,919	13,020	13,247	12,913	12,338	13,012	13,323	12,589	12,454	11,648	11,501	12,096	11,456	11,423
	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	25,941	20,849
Northern Ireland	Heart and circulatory diseases (CVD) (I00-I99)						42,887	46,617	42,875	44,296	44,592	44,488	42,515	43,016	46,207	46,189	35,999
	Coronary heart disease (I20-I25)						14,409	14,060	14,520	15,378	15,014	14,963	14,262	14,158	15,262	14,704	11,240
	Myocardial infarction (I21-I22)							*3,540*	*4,614*	*5,288*	*5,369*	*5,776*	*5,985*	*6,081*	*6,243*	*6,636*	*5,461*
	Atrial fibrillation (I48)							4,490	4,518	4,410	4,478	5,205	4,859	4,824	4,982	5,052	3,586
	Heart Failure (I50)							3,660	4,131	4,360	4,731	5,011	4,990	5,427	6,093	6,758	6,077
	Stroke (I60-I69)						4,872	3,199	2,943	3,383	2,486	2,202	2,208	2,313	2,219	2,094	1,962
	Other cardiovascular disease							21,208	16,763	16,765	17,883	17,107	16,196	16,294	17,651	17,581	13,134
United Kingdom	**Heart and circulatory diseases (CVD) (I00-I99)**						**1,652,092**	**1,666,388**	**1,655,300**	**1,693,076**	**1,713,256**	**1,779,782**	**1,706,402**	**1,734,331**	**1,796,067**	**1,825,726**	**1,569,564**
	Coronary heart disease (I20-I25)						496,412	500,668	493,263	492,283	480,943	481,728	483,825	483,945	490,292	480,837	395,017
	Myocardial infarction (I21-I22)							160,310	182,390	189,939	188,385	197,055	201,841	205,032	207,449	209,266	186,060
	Atrial fibrillation (I48)							157,390	160,913	164,989	166,624	175,427	177,583	177,894	190,614	191,649	160,672
	Heart Failure (I50)							145,447	152,754	160,191	173,744	191,278	201,082	212,474	221,967	241,311	208,311
	Stroke (I60-I69)						239,005	232,923	236,172	239,515	240,146	246,617	248,946	254,193	258,455	263,661	252,368
	Other cardiovascular disease							629,960	612,198	636,098	651,799	684,732	594,966	605,825	634,739	648,268	553,196

Notes:

Finished consultant episodes; ordinary admissions and day cases combined. Pregnancy cases not included. ICD-10 codes in parentheses. England data includes some episodes where sex was not recorded.

** Scotland - figures for 2012/13 to 2014/15 do not include subsequent myocardial infarction (I22)

There were significant drops in hospital activity in 2020/21 during coronavirus pandemic. Recent Welsh data are subject to revision.

Source:

England - NHS Digital (2021). Hospital Statistics to 2020/21. https://digital.nhs.uk/data-and-information/publications/statistical/hospital-admitted-patient-care-activity/2020-21

Public Health Scotland (2022). Personal correspondence.

Digital Health and Care Wales (2022). Personal correspondence and PEDW archive https://nwis.nhs.wales/information-services/health-intelligence/pedw-data-online/

NI Department of Health (2021). Hospital Statistics to 2020/21 https://www.health-ni.gov.uk/publications/acute-episode-based-activity-downloadable-data-202021

Table 2.4b Inpatient episodes by main diagnosis in NHS hospitals in men, England, Scotland, Wales, Northern Ireland and United Kingdom, 2005/06 to 2020/21

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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	2020/21
England	Heart and circulatory diseases (CVD) (I00-I99)	694,974	705,822	715,200	741,384	759,672	767,889	779,921	777,888	793,952	804,412	838,567	811,101	831,328	863,302	881,061	748,623
	Coronary heart disease (I20-I25)	274,816	276,900	275,069	274,163	265,667	263,538	266,954	265,102	264,934	260,052	261,024	263,513	265,359	267,694	264,188	213,389
	Myocardial infarction (I21-I22)	83,953	85,707	83,648	82,027	79,963	73,861	75,600	89,924	94,323	94,566	99,026	102,729	105,637	107,026	108,764	96,325
	Atrial fibrillation (I48)	57,171	58,480	61,752	64,599	67,781	70,110	71,568	73,125	74,366	75,363	80,307	81,214	81,883	88,194	89,978	72,931
	Heart Failure (I50)	54,072	51,541	53,328	54,503	57,987	60,223	63,377	66,354	70,320	77,031	85,247	90,111	97,528	101,827	110,004	94,870
	Stroke (I60-I69)	85,041	84,271	86,372	91,363	97,878	96,364	95,294	96,502	97,593	98,597	102,188	103,758	106,514	110,259	113,534	109,633
	Other cardiovascular disease (I00-99 only; not listed above)	223,874	234,630	238,679	256,756	270,359	277,654	282,728	276,805	286,739	293,369	309,801	272,505	280,044	295,328	303,357	257,800
Scotland	Heart and circulatory diseases (CVD) (I00-I99)				82,266	81,442	83,985	83,946	85,126	88,575	90,271	95,117	94,095	93,102	95,113	97,301	83,988
	Coronary heart disease (I20-I25)				32,230	31,287	32,635	32,132	31,645	32,108	32,174	31,870	33,207	32,505	34,108	34,176	28,692
	Myocardial infarction (I21-I22)				12,313	13,353	15,115	15,743	16,008	16,558	16,397	16,490	16,933	16,109	17,129	17,404	15,741
	Atrial fibrillation (I48)				5,960	5,922	6,349	6,364	6,653	6,950	7,053	7,544	7,682	7,625	7,672	7,766	6,068
	Heart Failure (I50)				6,161	5,838	6,198	6,414	6,419	6,978	7,378	8,659	9,000	9,172	9,179	10,419	9,022
	Stroke (I60-I69)				10,738	11,044	11,063	11,057	11,802	12,321	13,364	14,090	14,705	14,395	14,860	15,408	15,049
	Other cardiovascular disease (I00-99 only; not listed above)				27,177	27,351	27,740	27,979	28,607	30,218	30,302	32,954	29,501	29,405	29,294	29,532	25,157
Wales	Heart and circulatory diseases (CVD) (I00-I99)	44,120	44,579	45,358	46,968	48,335	48,180	48,765	49,222	49,888	47,606	47,867	45,283	43,930	47,214	43,070	36,318
	Coronary heart disease (I20-I25)	17,171	17,284	17,582	17,683	17,524	17,037	17,529	17,112	16,866	15,458	15,128	14,620	14,541	15,118	13,768	11,858
	Myocardial infarction (I21-I22)	5,396	5,352	5,352	5,401	5,354	4,867	4,617	5,606	6,194	5,619	6,338	6,255	6,482	6,301	6,075	5,870
	Atrial fibrillation (I48)	3,610	3,605	3,739	3,748	4,034	4,232	4,185	4,524	4,559	4,440	4,594	4,689	4,312	4,879	4,049	3,067
	Heart Failure (I50)	4,057	3,774	3,927	4,199	4,351	4,606	4,395	5,103	4,873	4,758	4,875	5,176	4,819	5,219	5,033	4,055
	Stroke (I60-I69)	5,724	5,793	5,625	6,088	6,184	6,045	5,389	6,134	6,617	6,009	5,961	5,960	5,834	6,136	5,819	5,799
	Other cardiovascular disease (I00-99 only; not listed above)	13,558	14,123	14,485	15,250	16,242	16,260	17,267	16,349	16,973	16,941	17,309	14,838	14,424	15,862	14,401	11,539
Northern Ireland	Heart and circulatory diseases (CVD) (I00-I99)						24,499	26,591	24,154	25,674	25,773	25,922	24,750	25,032	26,992	27,529	21,294
	Coronary heart disease (I20-I25)						9,800	9,521	9,846	10,697	10,418	10,386	9,798	9,863	10,669	10,525	7,987
	Myocardial infarction (I21-I22)							*2,186*	*2,962*	*3,461*	*3,518*	*3,784*	*3,938*	*4,082*	*4,327*	*4,554*	*3,781*
	Atrial fibrillation (I48)							2,605	2,410	2,458	2,559	2,876	2,777	2,702	2,764	2,919	1,988
	Heart Failure (I50)							1,702	1,977	2,175	2,382	2,522	2,397	2,725	3,022	3,518	3,191
	Stroke (I60-I69)						2,485	1,628	1,437	1,742	1,242	1,126	1,039	1,108	1,071	1,036	931
	Other cardiovascular disease (I00-99 only; not listed above)							11,135	8,484	8,602	9,172	9,012	8,739	8,634	9,466	9,531	7,197
United Kingdom	**Heart and circulatory diseases (CVD) (I00-I99)**						**924,553**	**939,223**	**936,390**	**958,089**	**968,062**	**1,007,473**	**975,229**	**993,392**	**1,032,621**	**1,048,961**	**890,223**
	Coronary heart disease (I20-I25)						323,010	326,136	323,705	324,605	318,102	318,408	321,138	322,268	327,589	322,657	261,926
	Myocardial infarction (I21-I22)							98,146	114,500	120,536	120,100	125,638	129,855	132,310	134,783	136,797	121,717
	Atrial fibrillation (I48)							84,722	86,712	88,333	89,415	95,321	96,362	96,522	103,509	104,712	84,054
	Heart Failure (I50)							75,888	79,853	84,346	91,549	101,303	106,684	114,244	119,247	128,974	111,138
	Stroke (I60-I69)						115,957	113,368	115,875	118,273	119,212	123,365	125,462	127,851	132,326	135,797	131,412
	Other cardiovascular disease (I00-99 only; not listed above)							339,109	330,245	342,532	349,784	369,076	325,583	332,507	349,950	356,821	301,693

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)

There were significant drops in hospital activity in 2020/21 during coronavirus pandemic. Recent Welsh data are subject to revision.

Source:

England - NHS Digital (2021). Hospital Statistics to 2020/21. https://digital.nhs.uk/data-and-information/publications/statistical/hospital-admitted-patient-care-activity/2020-21

Public Health Scotland (2022). Personal correspondence.

Digital Health and Care Wales (2022). Personal correspondence and PEDW archive https://nwis.nhs.wales/information-services/health-intelligence/pedw-data-online/

NI Department of Health (2021). Hospital Statistics to 2020/21 https://www.health-ni.gov.uk/publications/acute-episode-based-activity-downloadable-data-202021

Table 2.4c Inpatient episodes by main diagnosis in NHS hospitals in women, England, Scotland, Wales, Northern Ireland and United Kingdom, 2005/06 to 2020/21

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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	2020/21
England	Heart and circulatory diseases (CVD) (I00-I99)	549,030	549,768	559,474	580,911	598,575	603,920	601,714	596,206	607,280	618,907	641,753	607,701	617,528	637,486	653,153	564,155
	Coronary heart disease (I20-I25)	153,446	151,013	149,178	148,171	142,008	141,558	142,554	138,987	136,073	133,479	132,863	132,803	132,267	132,690	129,745	105,302
	Myocardial infarction (I21-I22)	*51,752*	*51,456*	*50,418*	*50,760*	*49,383*	*47,031*	*48,186*	*53,608*	*53,936*	*53,894*	*55,831*	*56,356*	*57,453*	*57,544*	*57,710*	*49,885*
	Atrial fibrillation (I48)	49,843	51,166	53,317	55,601	58,454	60,108	60,948	62,075	63,922	64,494	66,369	67,628	67,907	73,249	74,248	65,227
	Heart Failure (I50)	52,428	48,911	51,051	52,305	54,989	56,811	57,865	60,710	63,328	69,116	75,587	79,643	83,127	86,855	95,374	81,912
	Stroke (I60-I69)	93,280	92,181	93,627	98,738	105,827	101,971	99,142	99,579	99,763	99,196	101,394	101,922	104,418	104,613	107,309	100,000
	Other cardiovascular disease (I00-99 only; not listed abov	200,033	206,497	212,301	226,096	237,297	243,472	241,205	234,855	244,194	252,622	265,540	225,705	229,809	240,079	246,477	211,714
Scotland	Heart and circulatory diseases (CVD) (I00-I99)				65,373	64,798	66,082	66,164	65,869	70,503	70,494	74,268	71,823	71,864	72,073	72,970	64,294
	Coronary heart disease (I20-I25)				17,775	17,234	17,931	17,681	16,683	18,061	16,912	17,564	17,641	17,495	17,781	17,300	15,032
	Myocardial infarction (I21-I22)				*7,183*	*7,937*	*9,271*	*9,532*	*9,205*	*10,103*	*9,471*	*9,972*	*9,994*	*9,699*	*9,859*	*9,617*	*8,810*
	Atrial fibrillation (I48)				5,468	5,489	5,979	5,964	5,985	6,746	6,936	7,319	7,548	7,409	7,586	7,191	5,912
	Heart Failure (I50)				5,391	5,421	5,588	5,777	5,735	6,135	6,434	7,468	7,908	8,087	8,456	9,239	8,323
	Stroke (I60-I69)				11,451	11,642	11,822	11,893	12,334	13,132	13,914	14,289	14,705	15,052	14,408	15,210	14,259
	Other cardiovascular disease (I00-99 only; not listed above)				25,288	25,012	24,762	24,849	25,132	26,429	26,298	27,628	24,021	23,821	23,842	24,030	20,768
Wales	Heart and circulatory diseases (CVD) (I00-I99)	36,256	36,485	37,014	37,882	39,680	39,149	39,261	38,114	38,582	36,974	37,722	33,884	33,563	34,672	31,982	27,476
	Coronary heart disease (I20-I25)	10,188	10,171	10,038	9,768	9,516	9,304	9,758	9,214	8,863	7,854	8,316	7,779	7,620	7,639	6,956	6,084
	Myocardial infarction (I21-I22)	*3,693*	*3,601*	*3,594*	*3,468*	*3,286*	*3,103*	*3,092*	*3,425*	*3,537*	*3,069*	*3,622*	*3,589*	*3,571*	*3,347*	*3,060*	*3,115*
	Atrial fibrillation (I48)	3,458	3,477	3,548	3,391	3,975	4,070	3,871	4,033	4,036	3,860	4,089	3,963	3,934	4,052	3,365	2,866
	Heart Failure (I50)	3,835	3,734	4,051	3,819	4,148	4,359	3,959	4,302	4,197	4,296	4,431	4,254	4,314	4,338	4,484	3,592
	Stroke (I60-I69)	6,408	6,080	6,294	6,932	7,063	6,868	6,949	6,878	6,706	6,580	6,493	5,688	5,667	5,960	5,637	5,624
	Other cardiovascular disease (I00-99 only; not listed abov	12,367	13,023	13,083	13,972	14,978	14,548	14,724	13,687	14,780	14,384	14,393	12,200	12,028	12,683	11,540	9,310
Northern Ireland	Heart and circulatory diseases (CVD) (I00-I99)						18,388	20,026	18,721	18,622	18,819	18,566	17,765	17,984	19,215	18,660	14,705
	Coronary heart disease (I20-I25)						4,609	4,539	4,674	4,681	4,596	4,577	4,464	4,295	4,593	4,179	3,253
	Myocardial infarction (I21-I22)							*1,354*	*1,652*	*1,827*	*1,851*	*1,992*	*2,047*	*1,999*	*1,916*	*2,082*	*1,680*
	Atrial fibrillation (I48)							1,885	2,108	1,952	1,919	2,329	2,082	2,122	2,218	2,133	1,598
	Heart Failure (I50)							1,958	2,154	2,185	2,349	2,489	2,593	2,702	3,071	3,240	2,886
	Stroke (I60-I69)						2,387	1,571	1,506	1,641	1,244	1,076	1,169	1,205	1,148	1,058	1,031
	Other cardiovascular disease (I00-99 only; not listed above)							10,073	8,279	8,163	8,711	8,095	7,457	7,660	8,185	8,050	5,937
United Kingdom	**Heart and circulatory diseases (CVD) (I00-I99)**						**727,539**	**727,165**	**718,910**	**734,987**	**745,194**	**772,309**	**731,173**	**740,939**	**763,446**	**776,765**	**670,630**
	Coronary heart disease (I20-I25)						173,402	174,532	169,558	167,678	162,841	163,320	162,687	161,677	162,703	158,180	129,671
	Myocardial infarction (I21-I22)							62,164	67,890	69,403	68,285	71,417	71,986	72,722	72,666	72,469	63,490
	Atrial fibrillation (I48)							72,668	74,201	76,656	77,209	80,106	81,221	81,372	87,105	86,937	75,603
	Heart Failure (I50)							69,559	72,901	75,845	82,195	89,975	94,398	98,230	102,720	112,337	96,713
	Stroke (I60-I69)						123,048	119,555	120,297	121,242	120,934	123,252	123,484	126,342	126,129	129,214	120,914
	Other cardiovascular disease (I00-99 only; not listed above)							290,851	281,953	293,566	302,015	315,656	269,383	273,318	284,789	290,097	247,729

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)
There were significant drops in hospital activity in 2020/21 during coronavirus pandemic. Recent Welsh data are subject to revision.

Source:

England - NHS Digital (2021). Hospital Statistics to 2020/21. https://digital.nhs.uk/data-and-information/publications/statistical/hospital-admitted-patient-care-activity/2020-21
Public Health Scotland (2022). Personal correspondence.
Digital Health and Care Wales (2022). Personal correspondence and PEDW archive https://nwis.nhs.wales/information-services/health-intelligence/pedw-data-online/
NI Department of Health (2021). Hospital Statistics to 2020/21 https://www.health-ni.gov.uk/publications/acute-episode-based-activity-downloadable-data-202021

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*	*5,104,554*	166,797	3.3	98,043	1.9	755,019	14.8	55,754	1.1	111,831	2.2	32,227	0.6	580,000	11.9
East of England	*E12000006*	*6,654,328*	200,988	3.0	118,405	1.8	949,551	14.3	57,390	0.9	142,703	2.1	34,552	0.5	700,000	11.2
London	*E12000007*	*10,377,838*	197,750	1.9	111,513	1.1	1,118,390	10.8	56,371	0.5	115,348	1.1	33,454	0.3	650,000	7.2
North East England	*E12000001*	*2,799,163*	111,603	4.0	63,904	2.3	444,011	15.9	34,299	1.2	64,532	2.3	24,424	0.9	380,000	14.2
North West England	*E12000002*	*7,907,722*	280,080	3.5	157,673	2.0	1,156,289	14.6	82,460	1.0	172,916	2.2	61,786	0.8	950,000	12.9
South East England	*E12000008*	*9,787,971*	277,407	2.8	174,850	1.8	1,375,659	14.1	82,958	0.8	223,131	2.3	51,338	0.5	1,000,000	10.8
South West England	*E12000009*	*5,918,430*	211,543	3.6	133,481	2.3	885,682	15.0	65,642	1.1	157,210	2.7	39,149	0.7	760,000	13.4
West Midlands	*E12000005*	*6,334,975*	201,210	3.2	118,658	1.9	927,878	14.6	57,435	0.9	130,839	2.1	36,467	0.6	680,000	11.4
Yorkshire and The Humber	*E12000003*	*5,847,619*	203,595	3.5	117,232	2.0	847,347	14.5	58,404	1.0	125,122	2.1	43,612	0.7	690,000	12.5
England (2020/21)	*E92000001*	*60,732,600*	1,850,973	3.0	1,093,759	1.8	8,459,826	13.9	550,713	0.9	1,243,632	2.0	357,009	0.6	6,400,000	11.3
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	12.8
Wales (2019/20)	*W92000004*	*3,242,199*	117,174	3.6	70,247	2.2	515,166	15.9	36,055	1.1	78,905	2.4	-	-	340,000	10.7
Northern Ireland (2020/21)	*N92000002*	*2,005,891*	73,954	3.7	39,025	1.9	278,101	13.9	19,323	1.0	41,917	2.1	-	-	225,000	11.9
UK	*K02000001*	***71,704,412***	**2,267,181**	**3.2**	**1,333,348**	**1.9**	**10,043,893**	**14.0**	**654,521**	**0.9**	**1,472,813**	**2.1**	-	-	**7,665,000**	11.4

Notes:

These data show total numbers of people on GP patient registers in each area. GPs allocated to region and nation by main surgery postcode (BHF using CACI InSite)

BHF analysis - adjustments have been made for England & Scotland where active practices did not file patient register numbers in the latest available year.

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

- CVD estimate shows percentage of population (mid-2020 ONS estimates) and not list size

Please note that 2020/21 list administration may have been affected by the coronavirus pandemic

Source:

England - NHS Digital. Quality & Outcomes Framework (QOF) prevalence data 2020/21

https://digital.nhs.uk/data-and-information/publications/statistical/quality-and-outcomes-framework-achievement-prevalence-and-exceptions-data/2020-21

Wales - StatsWales. Quality Assurance and Improvement Framework (QAIF) disease registers 2019/20

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

Scotland - Public Health Scotland. GP prevalence data 2018/19

https://beta.isdscotland.org/find-publications-and-data/health-services/primary-care/general-practice-disease-prevalence-data-visualisation/

Northern Ireland - Department of Health, Quality & Outcomes Framework (QOF) prevalence data 2020/21

https://www.health-ni.gov.uk/topics/doh-statistics-and-research/quality-outcomes-framework-qof

Table 2.8 Prevalence of selected cardiovascular conditions, UK 2006/07 to 2020/21

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	2006/07	2007/08	2008/09	2009/10	2010/11	2011/12	2012/13	2013/14	2014/15	2015/16	2016/17	2017/18	2018/19	2019/20	2020/21
	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%
CHD	3.68	3.64	3.61	3.57	3.53	3.52	3.43	3.46	3.33	3.31	3.27	3.24	3.22	*3.21*	*3.16*
Stroke and TIA	1.66	1.66	1.71	1.73	1.76	1.76	1.75	1.76	1.76	1.79	1.81	1.82	1.84	*1.86*	*1.87*
Atrial fibrillation	1.30	1.31	1.36	1.40	1.44	1.51	1.52	1.54	1.62	1.72	1.84	1.92	1.99	*2.05*	*2.07*
Heart failure	0.80	0.81	0.75	0.74	0.73	0.72	0.72	0.73	0.73	0.78	0.81	0.84	0.93	*0.90*	*0.91*

Notes: Weighted average based on population in each UK nation - 2019/20 and 2020/21 provisional with some values missing (trend data used for Wales and Scotland)
CHD: coronary heart disease. TIA: transient ischaemic attack (mini-stroke)

Source: England - NHS Digital. Quality & Outcomes Framework (QOF) prevalence data to 2020/21
https://digital.nhs.uk/data-and-information/publications/statistical/quality-and-outcomes-framework-achievement-prevalence-and-exceptions-data/2019-20

Public Health Scotland (formerly ISD). Quality & Outcomes Framework (QOF) prevalence data to 2015/16
ISD correspondence for 2016/17 and 2017/18. Latest data by GP at:
https://beta.isdscotland.org/find-publications-and-data/health-services/primary-care/general-practice-disease-prevalence-data-visualisation/

StatsWales. Quality & Outcomes Framework (QOF) achievement data to 2018/19
https://gov.wales/general-medical-services-contract-quality-and-outcomes-framework-april-2018-march-2019
StatsWales. Quality Assurance and Improvement Framework (QAIF) disease registers 2019/20
https://statswales.gov.wales/Catalogue/Health-and-Social-Care/NHS-Primary-and-Community-Activity/GMS-Contract

Department of Health Northern Ireland. Quality & Outcomes Framework (QOF) reporting data to 2020/21
https://www.health-ni.gov.uk/topics/doh-statistics-and-research/quality-outcomes-framework-qof

Table 2.9 Prevalence of selected cardiovascular conditions, England 2004/05 to 2020/21

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

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

Source: England - NHS Digital. Quality & Outcomes Framework (QOF) prevalence data to 2020/21
https://digital.nhs.uk/data-and-information/publications/statistical/quality-and-outcomes-framework-achievement-prevalence-and-exceptions-data/2019-20

Table 2.10 Prevalence of selected cardiovascular conditions, Scotland 2008/09 to 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	4.42	4.38	4.37	4.36	4.29	4.26	4.14	4.10	4.03	3.96	3.93
Stroke and TIA	2.02	2.06	2.10	2.15	2.12	2.16	2.16	2.20	2.23	2.24	2.28
Atrial fibrillation	1.32	1.37	1.42	1.49	1.53	1.59	1.64	1.71	1.77	1.83	1.90
Heart failure	0.84	0.82	0.81	0.81	0.82	0.83	0.82	0.85	0.84	0.83	0.80

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

Source: Public Health Scotland (formerly ISD). Quality & Outcomes Framework (QOF) prevalence data to 2015/16
ISD correspondence for 2016/17 and 2017/18. Latest data by GP at:
https://beta.isdscotland.org/find-publications-and-data/health-services/primary-care/general-practice-disease-prevalence-data-visualisation/

Table 2.11 Prevalence of selected cardiovascular conditions, Wales 2006/07 to 2019/20

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	2006/07	2007/08	2008/09	2009/10	2010/11	2011/12	2012/13	2013/14	2014/15	2015/16	2016/17	2017/18	2018/19	2019/20
	%	%	%	%	%	%	%	%	%	%	%	%	%	%
CHD	4.30	4.20	4.20	4.10	4.00	4.00	3.90	3.88	3.80	3.75	3.70	3.66	3.63	3.61
Stroke and TIA	2.00	2.00	2.00	2.00	2.10	2.10	2.00	2.02	2.00	2.05	2.07	2.09	2.12	2.17
Atrial fibrillation	1.60	1.60	1.70	1.70	1.70	1.80	1.80	1.91	2.00	2.03	2.10	2.24	2.34	2.43
Heart failure	1.00	0.90	0.90	0.90	0.90	0.90	0.90	0.95	1.00	0.99	1.01	1.03	1.06	1.11

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

Source: StatsWales. Quality & Outcomes Framework (QOF) achievement data to 2018/19
https://gov.wales/general-medical-services-contract-quality-and-outcomes-framework-april-2018-march-2019

StatsWales. Quality Assurance and Improvement Framework (QAIF) disease registers 2019/20
https://statswales.gov.wales/Catalogue/Health-and-Social-Care/NHS-Primary-and-Community-Activity/GMS-Contract

Table 2.12 Prevalence of selected cardiovascular conditions, Northern Ireland 2004/05 to 2020/21

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

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

Source: Department of Health Northern Ireland. Quality & Outcomes Framework (QOF) reporting data to 2020/21
https://www.health-ni.gov.uk/topics/doh-statistics-and-research/quality-outcomes-framework-qof

Table 2.13 Prevalence of cardiovascular conditions from GP patient registers, by UK local authority, latest available

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region/nation tables see 2.7

					GP PREVALENCE DATA (PATIENT REGISTERS)														BHF Heart & Circulatory Diseases (CVD) Estimate	
					Patient List Size	Coronary Heart Disease Register		Stroke/TIA Register		Hypertension Register		Heart Failure Register		Atrial Fibrillation Register		PAD Register			
LA Code	LA/DC/UA	Ceremonial County (Eng/Wal)	Region/Nation	4N		*Total*	*%*	*Total*	*%*	*Total*	*%*	*Total*	*%*	*Total*	*%*	*Total*	*%*	*Total*	*% popn*
E06000055	Bedford	Bedfordshire	East of England	ENG	*190,636*	5,474	*2.9%*	2,987	*1.6%*	26,809	*14%*	1,742	*0.9%*	3,708	*1.9%*	913	*0.5%*	19,000	*11%*
E06000056	Central Bedfordshire	Bedfordshire	East of England	ENG	*287,326*	8,208	*2.9%*	4,623	*1.6%*	39,960	*14%*	1,999	*0.7%*	5,810	*2.0%*	1,263	*0.4%*	28,000	*10%*
E06000032	Luton	Bedfordshire	East of England	ENG	*256,476*	6,311	*2.5%*	3,348	*1.3%*	30,812	*12%*	1,461	*0.6%*	2,953	*1.2%*	910	*0.4%*	19,000	*9%*
E06000036	Bracknell Forest	Berkshire	South East	ENG	*127,937*	2,980	*2.3%*	1,661	*1.3%*	16,907	*13%*	1,011	*0.8%*	2,250	*1.8%*	499	*0.4%*	11,000	*9%*
E06000038	Reading	Berkshire	South East	ENG	*245,261*	4,329	*1.8%*	2,766	*1.1%*	28,695	*12%*	1,531	*0.6%*	3,264	*1.3%*	746	*0.3%*	16,000	*10%*
E06000039	Slough	Berkshire	South East	ENG	*168,626*	4,274	*2.5%*	1,849	*1.1%*	20,606	*12%*	1,225	*0.7%*	1,655	*1.0%*	670	*0.4%*	12,000	*8%*
E06000037	West Berkshire	Berkshire	South East	ENG	*154,946*	3,946	*2.5%*	2,525	*1.6%*	21,921	*14%*	1,256	*0.8%*	3,360	*2.2%*	709	*0.5%*	15,000	*9%*
E06000040	Windsor and Maidenhead	Berkshire	South East	ENG	*173,214*	4,513	*2.6%*	2,777	*1.6%*	22,843	*13%*	1,510	*0.9%*	3,877	*2.2%*	622	*0.4%*	17,000	*11%*
E06000041	Wokingham	Berkshire	South East	ENG	*149,101*	3,496	*2.3%*	2,325	*1.6%*	19,400	*13%*	1,205	*0.8%*	3,136	*2.1%*	512	*0.3%*	13,000	*7%*
E06000023	Bristol, City of	Bristol	South West	ENG	*543,794*	12,106	*2.2%*	8,266	*1.5%*	55,820	*10%*	4,297	*0.8%*	8,675	*1.6%*	2,906	*0.5%*	46,000	*10%*
E06000060	Buckinghamshire	Buckinghamshire	South East	ENG	*573,374*	16,888	*2.9%*	9,842	*1.7%*	80,800	*14%*	4,633	*0.7%*	13,344	*2.2%*	2,743	*0.5%*	60,000	*11%*
E06000042	Milton Keynes	Buckinghamshire	South East	ENG	*315,589*	7,127	*2.3%*	3,553	*1.1%*	40,158	*13%*	2,238	*0.7%*	4,829	*1.5%*	1,322	*0.4%*	24,000	*9%*
E07000008	Cambridge	Cambridgeshire	East of England	ENG	*202,574*	3,374	*1.7%*	1,889	*0.9%*	15,095	*7%*	855	*0.4%*	2,579	*1.3%*	716	*0.4%*	12,000	*10%*
E07000009	East Cambridgeshire	Cambridgeshire	East of England	ENG	*87,496*	2,866	*3.3%*	1,495	*1.7%*	12,976	*15%*	895	*1.0%*	2,206	*2.5%*	479	*0.5%*	10,000	*11%*
E07000010	Fenland	Cambridgeshire	East of England	ENG	*118,260*	4,507	*3.8%*	2,464	*2.1%*	19,662	*17%*	1,150	*1.0%*	2,760	*2.3%*	890	*0.8%*	15,000	*15%*
E07000011	Huntingdonshire	Cambridgeshire	East of England	ENG	*185,497*	5,863	*3.2%*	3,226	*1.7%*	27,220	*15%*	1,804	*1.0%*	4,256	*2.3%*	1,112	*0.6%*	20,000	*11%*
E06000031	Peterborough	Cambridgeshire	East of England	ENG	*230,757*	5,675	*2.5%*	3,102	*1.3%*	27,714	*12%*	1,757	*0.8%*	3,258	*1.4%*	1,359	*0.6%*	19,000	*9%*
E07000012	South Cambridgeshire	Cambridgeshire	East of England	ENG	*143,268*	4,119	*2.9%*	2,246	*1.6%*	18,664	*13%*	1,212	*0.8%*	3,293	*2.3%*	652	*0.5%*	14,000	*9%*
E06000049	Cheshire East	Cheshire	North West	ENG	*412,660*	14,219	*3.4%*	9,389	*2.3%*	64,479	*16%*	4,789	*1.2%*	11,266	*2.7%*	2,826	*0.7%*	53,000	*14%*
E06000050	Cheshire West and Chester	Cheshire	North West	ENG	*373,892*	13,117	*3.5%*	7,644	*2.0%*	56,306	*15%*	4,239	*1.1%*	10,078	*2.7%*	2,652	*0.7%*	47,000	*14%*
E06000006	Halton	Cheshire	North West	ENG	*134,140*	5,543	*4.1%*	2,647	*2.0%*	21,318	*16%*	1,462	*1.1%*	3,249	*2.4%*	1,235	*0.9%*	18,000	*14%*
E06000007	Warrington	Cheshire	North West	ENG	*220,725*	7,804	*3.5%*	4,139	*1.9%*	31,418	*14%*	2,070	*0.9%*	4,956	*2.2%*	1,488	*0.7%*	26,000	*12%*
E06000052	Cornwall	Cornwall	South West	ENG	*589,953*	25,612	*4.3%*	16,833	*2.9%*	93,910	*16%*	10,157	*1.7%*	16,963	*2.9%*	4,040	*0.7%*	92,000	*16%*
E06000053	Isles of Scilly	Cornwall	South West	ENG	*2,423*	*78*	*3.2%*	45	*1.9%*	298	*12%*	25	*1.0%*	53	*2.2%*	25	*1.0%*	280	*13%*
E06000047	County Durham	County Durham	North East	ENG	*558,564*	24,506	*4.4%*	13,433	*2.4%*	94,679	*17%*	7,845	*1.4%*	13,044	*2.3%*	5,120	*0.9%*	80,000	*15%*
E06000005	Darlington	County Durham	North East	ENG	*109,952*	3,990	*3.6%*	2,489	*2.3%*	17,617	*16%*	1,706	*1.6%*	2,523	*2.3%*	994	*0.9%*	15,000	*14%*
E06000001	Hartlepool	County Durham	North East	ENG	*96,813*	4,108	*4.2%*	2,107	*2.2%*	16,389	*17%*	971	*1.0%*	2,136	*2.2%*	834	*0.9%*	13,000	*14%*
E06000004	Stockton-on-Tees	County Durham	North East	ENG	*203,082*	7,462	*3.7%*	4,499	*2.2%*	31,002	*15%*	2,037	*1.0%*	4,710	*2.3%*	1,440	*0.7%*	25,000	*13%*
E07000026	Allerdale	Cumbria	North West	ENG	*100,560*	4,759	*4.7%*	2,671	*2.7%*	17,009	*17%*	1,269	*1.3%*	2,869	*2.9%*	1,008	*1.0%*	16,000	*16%*
E07000027	Barrow-in-Furness	Cumbria	North West	ENG	*69,183*	2,803	*4.1%*	1,541	*2.2%*	11,034	*16%*	838	*1.2%*	1,660	*2.4%*	556	*0.8%*	9,300	*14%*
E07000028	Carlisle	Cumbria	North West	ENG	*111,296*	5,349	*4.8%*	2,735	*2.5%*	16,888	*15%*	1,405	*1.3%*	2,624	*2.4%*	1,300	*1.2%*	17,000	*16%*
E07000029	Copeland	Cumbria	North West	ENG	*69,717*	3,513	*5.0%*	1,930	*2.8%*	12,068	*17%*	1,110	*1.6%*	1,863	*2.7%*	806	*1.2%*	12,000	*18%*
E07000030	Eden	Cumbria	North West	ENG	*53,649*	2,373	*4.4%*	1,363	*2.5%*	9,137	*17%*	613	*1.1%*	1,569	*2.9%*	527	*1.0%*	8,100	*15%*
E07000031	South Lakeland	Cumbria	North West	ENG	*107,723*	4,115	*3.8%*	2,875	*2.7%*	17,483	*16%*	1,112	*1.0%*	3,269	*3.0%*	795	*0.7%*	15,000	*14%*
E07000032	Amber Valley	Derbyshire	East Midlands	ENG	*138,192*	5,283	*3.8%*	3,266	*2.4%*	22,065	*16%*	1,723	*1.2%*	3,594	*2.6%*	1,224	*0.9%*	19,000	*15%*
E07000033	Bolsover	Derbyshire	East Midlands	ENG	*96,604*	3,905	*4.0%*	2,142	*2.2%*	16,854	*17%*	926	*1.0%*	2,310	*2.4%*	749	*0.8%*	13,000	*16%*
E07000034	Chesterfield	Derbyshire	East Midlands	ENG	*113,091*	4,545	*4.0%*	2,667	*2.4%*	19,935	*18%*	1,286	*1.1%*	2,942	*2.6%*	1,097	*1.0%*	16,000	*15%*
E06000015	Derby	Derbyshire	East Midlands	ENG	*298,784*	8,820	*3.0%*	5,013	*1.7%*	38,283	*13%*	3,187	*1.1%*	5,208	*1.7%*	2,154	*0.7%*	31,000	*12%*
E07000035	Derbyshire Dales	Derbyshire	East Midlands	ENG	*85,222*	3,240	*3.8%*	2,109	*2.5%*	14,741	*17%*	1,170	*1.4%*	2,764	*3.2%*	662	*0.8%*	12,000	*17%*
E07000036	Erewash	Derbyshire	East Midlands	ENG	*112,831*	3,899	*3.5%*	2,385	*2.1%*	18,382	*16%*	1,246	*1.1%*	2,697	*2.4%*	957	*0.8%*	14,000	*12%*
E07000037	High Peak	Derbyshire	East Midlands	ENG	*96,746*	3,836	*4.0%*	2,428	*2.5%*	15,485	*16%*	1,467	*1.5%*	2,551	*2.6%*	796	*0.8%*	14,000	*15%*
E07000038	North East Derbyshire	Derbyshire	East Midlands	ENG	*78,952*	3,383	*4.3%*	2,088	*2.6%*	14,228	*18%*	1,000	*1.3%*	2,169	*2.7%*	686	*0.9%*	12,000	*12%*
E07000039	South Derbyshire	Derbyshire	East Midlands	ENG	*92,351*	2,826	*3.1%*	1,765	*1.9%*	13,402	*15%*	964	*1.0%*	2,027	*2.2%*	717	*0.8%*	10,000	*9%*
E07000040	East Devon	Devon	South West	ENG	*130,314*	5,664	*4.3%*	3,810	*2.9%*	24,223	*19%*	2,017	*1.5%*	4,894	*3.8%*	1,052	*0.8%*	22,000	*15%*
E07000041	Exeter	Devon	South West	ENG	*155,274*	4,079	*2.6%*	2,587	*1.7%*	18,656	*12%*	1,162	*0.7%*	3,034	*2.0%*	778	*0.5%*	15,000	*11%*
E07000042	Mid Devon	Devon	South West	ENG	*95,198*	3,397	*3.6%*	2,184	*2.3%*	15,119	*16%*	889	*0.9%*	2,720	*2.9%*	563	*0.6%*	12,000	*14%*
E07000043	North Devon	Devon	South West	ENG	*109,231*	5,021	*4.6%*	3,123	*2.9%*	16,632	*15%*	1,096	*1.0%*	3,088	*2.8%*	937	*0.9%*	17,000	*17%*
E06000026	Plymouth	Devon	South West	ENG	*294,942*	10,911	*3.7%*	5,908	*2.0%*	41,111	*14%*	3,024	*1.0%*	6,678	*2.3%*	2,129	*0.7%*	36,000	*14%*
E07000044	South Hams	Devon	South West	ENG	*65,709*	2,541	*3.9%*	1,828	*2.8%*	10,897	*17%*	663	*1.0%*	2,206	*3.4%*	458	*0.7%*	10,000	*11%*
E07000045	Teignbridge	Devon	South West	ENG	*131,931*	5,034	*3.8%*	3,534	*2.7%*	22,681	*17%*	1,210	*0.9%*	4,159	*3.2%*	1,078	*0.8%*	19,000	*14%*

Table 2.13 Prevalence of cardiovascular conditions from GP patient registers, by UK local authority, latest available

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region/nation tables see 2.7

					GP PREVALENCE DATA (PATIENT REGISTERS)														BHF Heart & Circulatory Diseases (CVD) Estimate	
					Patient List Size	Coronary Heart Disease Register		Stroke/TIA Register		Hypertension Register		Heart Failure Register		Atrial Fibrillation Register		PAD Register			
LA Code	LA/DC/UA	Ceremonial County (Eng/Wal)	Region/Nation	4N		Total	%	Total	%	Total	%	Total	%	Total	%	Total	%	Total	% popn
E06000027	Torbay	Devon	South West	ENG	148,619	6,113	4.1%	4,149	2.8%	26,513	18%	1,699	1.1%	4,663	3.1%	1,503	1.0%	23,000	17%
E07000046	Torridge	Devon	South West	ENG	72,922	3,535	4.8%	2,259	3.1%	12,420	17%	747	1.0%	2,222	3.0%	588	0.8%	12,000	17%
E07000047	West Devon	Devon	South West	ENG	52,611	2,295	4.4%	1,410	2.7%	9,347	18%	701	1.3%	1,679	3.2%	373	0.7%	8,100	14%
E06000058	Bournemouth, Christchurch and Poole	Dorset	South West	ENG	453,003	17,278	3.8%	10,657	2.4%	63,974	14%	5,087	1.1%	11,781	2.6%	2,731	0.6%	60,000	15%
E06000059	Dorset	Dorset	South West	ENG	364,868	17,293	4.7%	10,106	2.8%	66,141	18%	5,004	1.4%	13,202	3.6%	2,837	0.8%	61,000	16%
E06000043	Brighton and Hove	East Sussex	South East	ENG	324,456	6,834	2.1%	4,215	1.3%	31,184	10%	1,857	0.6%	4,931	1.5%	1,381	0.4%	24,000	8%
E07000061	Eastbourne	East Sussex	South East	ENG	106,181	3,776	3.6%	2,551	2.4%	17,469	16%	1,247	1.2%	3,497	3.3%	784	0.7%	15,000	15%
E07000062	Hastings	East Sussex	South East	ENG	100,371	3,417	3.4%	2,125	2.1%	15,522	15%	999	1.0%	2,485	2.5%	711	0.7%	12,000	13%
E07000063	Lewes	East Sussex	South East	ENG	101,193	3,868	3.8%	2,479	2.4%	16,744	17%	1,048	1.0%	3,224	3.2%	828	0.8%	14,000	14%
E07000064	Rother	East Sussex	South East	ENG	90,832	4,102	4.5%	2,670	2.9%	18,658	21%	1,185	1.3%	3,688	4.1%	759	0.8%	16,000	17%
E07000065	Wealden	East Sussex	South East	ENG	164,099	5,611	3.4%	3,806	2.3%	27,251	17%	1,579	1.0%	5,317	3.2%	973	0.6%	22,000	14%
E07000066	Basildon	Essex	East of England	ENG	205,035	5,766	2.8%	3,728	1.8%	30,013	15%	1,735	0.8%	3,726	1.8%	1,020	0.5%	20,000	11%
E07000067	Braintree	Essex	East of England	ENG	141,859	4,507	3.2%	2,599	1.8%	20,289	14%	1,138	0.8%	2,922	2.1%	737	0.5%	15,000	10%
E07000068	Brentwood	Essex	East of England	ENG	79,035	2,150	2.7%	1,487	1.9%	11,195	14%	566	0.7%	1,771	2.2%	270	0.3%	7,800	10%
E07000069	Castle Point	Essex	East of England	ENG	89,656	3,292	3.7%	1,818	2.0%	16,617	19%	1,155	1.3%	2,181	2.4%	485	0.5%	11,000	12%
E07000070	Chelmsford	Essex	East of England	ENG	201,091	5,360	2.7%	3,269	1.6%	27,672	14%	1,241	0.6%	4,108	2.0%	743	0.4%	18,000	10%
E07000071	Colchester	Essex	East of England	ENG	206,842	5,327	2.6%	2,992	1.4%	26,620	13%	1,713	0.8%	3,959	1.9%	874	0.4%	19,000	10%
E07000072	Epping Forest	Essex	East of England	ENG	117,429	3,373	2.9%	1,948	1.7%	16,479	14%	1,384	1.2%	2,526	2.2%	536	0.5%	12,000	9%
E07000073	Harlow	Essex	East of England	ENG	101,001	2,764	2.7%	1,484	1.5%	13,783	14%	939	0.9%	1,706	1.7%	510	0.5%	9,300	11%
E07000074	Maldon	Essex	East of England	ENG	57,187	1,976	3.5%	1,177	2.1%	9,690	17%	490	0.9%	1,403	2.5%	294	0.5%	6,700	10%
E07000075	Rochford	Essex	East of England	ENG	95,776	3,209	3.4%	1,870	2.0%	15,726	16%	1,022	1.1%	2,302	2.4%	448	0.5%	11,000	13%
E06000033	Southend-on-Sea	Essex	East of England	ENG	189,766	5,748	3.0%	3,491	1.8%	28,316	15%	2,041	1.1%	3,876	2.0%	860	0.5%	20,000	11%
E07000076	Tendring	Essex	East of England	ENG	154,548	6,947	4.5%	3,974	2.6%	30,609	20%	2,023	1.3%	4,691	3.0%	1,441	0.9%	24,000	16%
E06000034	Thurrock	Essex	East of England	ENG	182,624	4,252	2.3%	2,747	1.5%	25,418	14%	1,494	0.8%	2,759	1.5%	781	0.4%	15,000	9%
E07000077	Uttlesford	Essex	East of England	ENG	94,264	2,673	2.8%	1,506	1.6%	13,808	15%	666	0.7%	2,180	2.3%	441	0.5%	9,400	10%
E07000078	Cheltenham	Gloucestershire	South West	ENG	142,803	4,296	3.0%	2,599	1.8%	17,353	12%	1,356	0.9%	3,341	2.3%	864	0.6%	16,000	14%
E07000079	Cotswold	Gloucestershire	South West	ENG	92,970	3,081	3.3%	2,022	2.2%	14,238	15%	862	0.9%	2,872	3.1%	471	0.5%	12,000	13%
E07000080	Forest of Dean	Gloucestershire	South West	ENG	82,394	3,309	4.0%	1,988	2.4%	13,631	17%	1,070	1.3%	2,502	3.0%	499	0.6%	12,000	14%
E07000081	Gloucester	Gloucestershire	South West	ENG	155,266	4,476	2.9%	2,679	1.7%	20,346	13%	1,415	0.9%	3,070	2.0%	761	0.5%	16,000	12%
E06000025	South Gloucestershire	Gloucestershire	South West	ENG	274,318	8,251	3.0%	5,170	1.9%	38,809	14%	2,638	1.0%	6,528	2.4%	1,589	0.6%	30,000	10%
E07000082	Stroud	Gloucestershire	South West	ENG	123,974	4,277	3.4%	2,532	2.0%	18,569	15%	1,204	1.0%	3,400	2.7%	690	0.6%	15,000	12%
E07000083	Tewkesbury	Gloucestershire	South West	ENG	68,931	2,534	3.7%	1,521	2.2%	10,838	16%	673	1.0%	2,021	2.9%	395	0.6%	9,000	9%
E09000002	Barking and Dagenham	Greater London	London	ENG	256,397	4,433	1.7%	2,449	1.0%	28,927	11%	1,160	0.5%	2,370	0.9%	733	0.3%	14,000	7%
E09000003	Barnet	Greater London	London	ENG	430,287	10,096	2.3%	5,487	1.3%	49,157	11%	2,608	0.6%	6,061	1.4%	1,386	0.3%	32,000	8%
E09000004	Bexley	Greater London	London	ENG	246,739	6,530	2.6%	3,955	1.6%	34,520	14%	1,901	0.8%	4,621	1.9%	1,036	0.4%	23,000	9%
E09000005	Brent	Greater London	London	ENG	458,307	8,942	2.0%	4,919	1.1%	52,588	11%	2,808	0.6%	3,889	0.8%	1,484	0.3%	28,000	9%
E09000006	Bromley	Greater London	London	ENG	353,279	9,576	2.7%	5,399	1.5%	45,864	13%	2,286	0.6%	7,268	2.1%	1,329	0.4%	32,000	10%
E09000007	Camden	Greater London	London	ENG	286,946	4,125	1.4%	2,622	0.9%	26,740	9%	1,827	0.6%	3,023	1.1%	930	0.3%	16,000	6%
E09000001	City of London	Greater London	London	ENG	9,633	175	1.8%	102	1.1%	899	9%	58	0.6%	145	1.5%	34	0.4%	650	6%
E09000008	Croydon	Greater London	London	ENG	425,275	9,139	2.1%	5,374	1.3%	52,411	12%	2,239	0.5%	5,349	1.3%	1,441	0.3%	30,000	8%
E09000009	Ealing	Greater London	London	ENG	454,179	11,232	2.5%	4,829	1.1%	56,994	13%	2,711	0.6%	5,247	1.2%	1,388	0.3%	32,000	9%
E09000010	Enfield	Greater London	London	ENG	351,925	8,008	2.3%	4,140	1.2%	45,782	13%	2,060	0.6%	4,398	1.2%	1,183	0.3%	25,000	7%
E09000011	Greenwich	Greater London	London	ENG	306,357	5,831	1.9%	3,444	1.1%	36,614	12%	1,650	0.5%	3,127	1.0%	1,134	0.4%	19,000	7%
E09000012	Hackney	Greater London	London	ENG	330,867	5,085	1.5%	2,956	0.9%	29,512	9%	2,204	0.7%	2,417	0.7%	1,019	0.3%	17,000	6%
E09000013	Hammersmith and Fulham	Greater London	London	ENG	322,791	3,932	1.2%	2,571	0.8%	23,052	7%	1,046	0.3%	2,522	0.8%	1,004	0.3%	14,000	8%
E09000014	Haringey	Greater London	London	ENG	323,371	5,173	1.6%	3,096	1.0%	34,132	11%	1,749	0.5%	3,050	0.9%	891	0.3%	18,000	7%
E09000015	Harrow	Greater London	London	ENG	267,482	7,184	2.7%	3,526	1.3%	35,727	13%	1,913	0.7%	3,639	1.4%	1,008	0.4%	22,000	9%
E09000016	Havering	Greater London	London	ENG	261,065	6,594	2.5%	4,145	1.6%	37,457	14%	1,907	0.7%	4,961	1.9%	1,208	0.5%	24,000	9%
E09000017	Hillingdon	Greater London	London	ENG	325,047	7,528	2.3%	3,968	1.2%	40,278	12%	1,952	0.6%	4,873	1.5%	1,229	0.4%	25,000	8%
E09000018	Hounslow	Greater London	London	ENG	318,003	7,109	2.2%	3,396	1.1%	36,499	11%	1,737	0.5%	3,290	1.0%	956	0.3%	21,000	8%

Table 2.13 Prevalence of cardiovascular conditions from GP patient registers, by UK local authority, latest available

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					GP PREVALENCE DATA (PATIENT REGISTERS)														BHF Heart & Circulatory Diseases (CVD) Estimate	
					Patient List Size	Coronary Heart Disease Register		Stroke/TIA Register		Hypertension Register		Heart Failure Register		Atrial Fibrillation Register		PAD Register			
LA Code	LA/DC/UA	Ceremonial County (Eng/Wal)	Region/Nation	4N		Total	%	Total	%	Total	%	Total	%	Total	%	Total	%	Total	% popn
E09000019	Islington	Greater London	London	ENG	280,068	3,885	3.1%	2,587	1.7%	23,795	13%	1,367	0.6%	2,516	2.2%	984	1.0%	14,000	6%
E09000020	Kensington and Chelsea	Greater London	London	ENG	221,632	3,595	1.6%	2,358	1.1%	18,645	8%	893	0.4%	2,649	1.2%	745	0.3%	13,000	8%
E09000021	Kingston upon Thames	Greater London	London	ENG	208,669	4,159	2.0%	2,296	1.1%	21,367	10%	1,181	0.6%	3,016	1.4%	619	0.3%	14,000	8%
E09000022	Lambeth	Greater London	London	ENG	415,362	4,975	1.2%	3,884	0.9%	38,834	9%	1,788	0.4%	3,177	0.8%	1,247	0.3%	19,000	6%
E09000023	Lewisham	Greater London	London	ENG	344,184	5,539	1.6%	3,838	1.1%	37,716	11%	1,633	0.5%	3,077	0.9%	1,364	0.4%	19,000	6%
E09000024	Merton	Greater London	London	ENG	231,991	4,355	1.9%	2,364	1.0%	24,341	10%	1,203	0.5%	2,747	1.2%	765	0.3%	14,000	7%
E09000025	Newham	Greater London	London	ENG	413,843	6,993	1.7%	3,142	0.8%	41,731	10%	2,142	0.5%	2,230	0.5%	837	0.2%	19,000	5%
E09000026	Redbridge	Greater London	London	ENG	347,548	8,142	2.3%	3,756	1.1%	40,761	12%	1,736	0.5%	3,604	1.0%	881	0.3%	23,000	8%
E09000027	Richmond upon Thames	Greater London	London	ENG	239,317	4,604	1.9%	2,867	1.2%	23,144	10%	1,250	0.5%	3,829	1.6%	660	0.3%	17,000	9%
E09000028	Southwark	Greater London	London	ENG	359,357	4,692	1.3%	3,395	0.9%	37,362	10%	1,891	0.5%	3,118	0.9%	1,199	0.3%	18,000	6%
E09000029	Sutton	Greater London	London	ENG	209,174	5,136	2.5%	2,847	1.4%	27,109	13%	1,546	0.7%	3,373	1.6%	800	0.4%	17,000	8%
E09000030	Tower Hamlets	Greater London	London	ENG	353,171	5,086	1.4%	2,520	0.7%	25,881	7%	1,411	0.4%	1,948	0.6%	893	0.3%	15,000	5%
E09000031	Waltham Forest	Greater London	London	ENG	319,979	5,783	1.8%	3,067	1.0%	34,525	11%	1,737	0.5%	3,101	1.0%	1,090	0.3%	19,000	7%
E09000032	Wandsworth	Greater London	London	ENG	405,040	5,477	1.4%	3,458	0.9%	33,200	8%	1,504	0.4%	3,859	1.0%	1,024	0.3%	19,000	6%
E09000033	Westminster	Greater London	London	ENG	300,553	4,637	1.5%	2,756	0.9%	22,826	8%	1,273	0.4%	2,854	0.9%	953	0.3%	16,000	6%
E08000001	Bolton	Greater Manchester	North West	ENG	317,177	9,517	3.0%	6,117	1.9%	43,119	14%	2,536	0.8%	5,654	1.8%	1,823	0.6%	32,000	11%
E08000002	Bury	Greater Manchester	North West	ENG	207,544	6,672	3.2%	3,801	1.8%	28,573	14%	1,947	0.9%	3,966	1.9%	1,281	0.6%	22,000	12%
E08000003	Manchester	Greater Manchester	North West	ENG	677,745	15,294	2.3%	8,439	1.2%	67,839	10%	4,514	0.7%	7,313	1.1%	4,294	0.6%	50,000	9%
E08000004	Oldham	Greater Manchester	North West	ENG	248,764	7,645	3.1%	4,517	1.8%	33,679	14%	1,990	0.8%	4,005	1.6%	1,877	0.8%	25,000	11%
E08000005	Rochdale	Greater Manchester	North West	ENG	239,865	8,170	3.4%	4,670	1.9%	34,146	14%	2,159	0.9%	4,232	1.8%	2,006	0.8%	27,000	12%
E08000006	Salford	Greater Manchester	North West	ENG	295,749	8,961	3.0%	5,008	1.7%	34,992	12%	2,471	0.8%	5,077	1.7%	2,235	0.8%	30,000	11%
E08000007	Stockport	Greater Manchester	North West	ENG	317,863	11,559	3.6%	6,812	2.1%	47,496	15%	3,636	1.1%	7,340	2.3%	2,196	0.7%	40,000	14%
E08000008	Tameside	Greater Manchester	North West	ENG	230,776	8,533	3.7%	4,598	2.0%	36,611	16%	2,311	1.0%	4,472	1.9%	2,015	0.9%	28,000	12%
E08000009	Trafford	Greater Manchester	North West	ENG	243,834	7,920	3.2%	4,744	1.9%	34,393	14%	2,212	0.9%	5,565	2.3%	1,614	0.7%	28,000	12%
E08000010	Wigan	Greater Manchester	North West	ENG	328,773	12,988	4.0%	6,850	2.1%	52,437	16%	3,609	1.1%	7,624	2.3%	2,580	0.8%	42,000	13%
E07000084	Basingstoke and Deane	Hampshire	South East	ENG	180,633	4,403	2.4%	2,942	1.6%	24,436	14%	1,130	0.6%	3,575	2.0%	908	0.5%	16,000	9%
E07000085	East Hampshire	Hampshire	South East	ENG	121,027	3,795	3.1%	2,489	2.1%	18,182	15%	1,077	0.9%	3,154	2.6%	663	0.5%	14,000	11%
E07000086	Eastleigh	Hampshire	South East	ENG	143,997	3,973	2.8%	2,722	1.9%	20,605	14%	1,481	1.0%	3,246	2.3%	721	0.5%	15,000	11%
E07000087	Fareham	Hampshire	South East	ENG	121,081	4,367	3.6%	2,704	2.2%	21,164	17%	1,597	1.3%	3,497	2.9%	733	0.6%	16,000	14%
E07000088	Gosport	Hampshire	South East	ENG	83,755	3,094	3.7%	1,784	2.1%	13,830	17%	1,190	1.4%	2,174	2.6%	645	0.8%	11,000	13%
E07000089	Hart	Hampshire	South East	ENG	106,674	3,020	2.8%	1,775	1.7%	15,532	15%	832	0.8%	2,589	2.4%	499	0.5%	11,000	11%
E07000090	Havant	Hampshire	South East	ENG	130,012	5,098	3.9%	3,165	2.4%	22,390	17%	1,781	1.4%	3,850	3.0%	1,034	0.8%	19,000	15%
E07000091	New Forest	Hampshire	South East	ENG	189,996	8,224	4.3%	5,582	2.9%	35,641	19%	3,388	1.8%	6,978	3.7%	1,420	0.7%	32,000	18%
E06000044	Portsmouth	Hampshire	South East	ENG	230,084	6,110	2.7%	3,583	1.6%	27,634	12%	2,266	1.0%	4,206	1.8%	1,415	0.6%	22,000	10%
E07000092	Rushmoor	Hampshire	South East	ENG	106,571	2,761	2.6%	1,558	1.5%	15,231	14%	927	0.9%	2,050	1.9%	557	0.5%	10,000	11%
E06000045	Southampton	Hampshire	South East	ENG	283,661	6,218	2.2%	4,259	1.5%	30,720	11%	2,330	0.8%	4,493	1.6%	1,457	0.5%	24,000	9%
E07000093	Test Valley	Hampshire	South East	ENG	115,144	3,218	2.8%	2,344	2.0%	16,809	15%	1,055	0.9%	2,784	2.4%	591	0.5%	13,000	10%
E07000094	Winchester	Hampshire	South East	ENG	127,242	3,498	2.7%	2,601	2.0%	17,960	14%	1,132	0.9%	3,322	2.6%	604	0.5%	14,000	11%
E06000019	Herefordshire, County of	Herefordshire	West Midlands	ENG	190,478	6,776	3.6%	4,713	2.5%	31,290	16%	1,926	1.0%	5,335	2.8%	1,328	0.7%	25,000	13%
E07000095	Broxbourne	Hertfordshire	East of England	ENG	106,452	3,051	2.9%	1,828	1.7%	14,836	14%	784	0.7%	2,035	1.9%	563	0.5%	10,000	10%
E07000096	Dacorum	Hertfordshire	East of England	ENG	173,173	4,563	2.6%	2,662	1.5%	23,524	14%	1,243	0.7%	3,672	2.1%	915	0.5%	16,000	10%
E07000242	East Hertfordshire	Hertfordshire	East of England	ENG	150,719	4,078	2.7%	2,472	1.6%	20,034	13%	1,215	0.8%	3,171	2.1%	755	0.5%	15,000	10%
E07000098	Hertsmere	Hertfordshire	East of England	ENG	165,371	4,757	2.9%	2,620	1.6%	21,436	13%	1,209	0.7%	3,286	2.0%	719	0.4%	16,000	15%
E07000099	North Hertfordshire	Hertfordshire	East of England	ENG	136,609	3,780	2.8%	2,503	1.8%	18,781	14%	810	0.6%	2,943	2.2%	595	0.4%	13,000	10%
E07000240	St Albans	Hertfordshire	East of England	ENG	160,391	3,611	2.3%	2,213	1.4%	17,403	11%	804	0.5%	2,987	1.9%	506	0.3%	13,000	9%
E07000243	Stevenage	Hertfordshire	East of England	ENG	92,736	2,415	2.6%	1,469	1.6%	12,059	13%	608	0.7%	1,529	1.6%	418	0.5%	8,100	9%
E07000102	Three Rivers	Hertfordshire	East of England	ENG	85,255	2,429	2.8%	1,468	1.7%	12,141	14%	710	0.8%	1,903	2.2%	400	0.5%	8,700	9%
E07000103	Watford	Hertfordshire	East of England	ENG	78,065	1,795	2.3%	1,013	1.3%	8,652	11%	490	0.6%	1,051	1.3%	291	0.4%	5,800	6%
E07000241	Welwyn Hatfield	Hertfordshire	East of England	ENG	138,244	3,392	2.5%	2,216	1.6%	17,298	13%	821	0.6%	2,628	1.9%	629	0.5%	12,000	10%
E06000046	Isle of Wight	Isle of Wight	South East	ENG	145,649	5,671	3.9%	3,908	2.7%	26,222	18%	1,860	1.3%	4,261	2.9%	2,213	1.5%	22,000	15%

Table 2.13 Prevalence of cardiovascular conditions from GP patient registers, by UK local authority, latest available

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					GP PREVALENCE DATA (PATIENT REGISTERS)														BHF Heart & Circulatory Diseases (CVD) Estimate	
					Patient List Size	Coronary Heart Disease Register		Stroke/TIA Register		Hypertension Register		Heart Failure Register		Atrial Fibrillation Register		PAD Register			
LA Code	LA/DC/UA	Ceremonial County (Eng/Wal)	Region/Nation	4N		Total	%	Total	%	Total	%	Total	%	Total	%	Total	%	Total	% popn
E07000105	Ashford	Kent	South East	ENG	132,924	3,812	2.9%	2,330	1.8%	19,688	15%	926	0.7%	3,273	2.5%	701	0.5%	14,000	11%
E07000106	Canterbury	Kent	South East	ENG	179,884	5,258	2.9%	3,464	1.9%	25,414	14%	1,248	0.7%	4,478	2.5%	954	0.5%	19,000	11%
E07000107	Dartford	Kent	South East	ENG	130,110	3,044	2.3%	2,001	1.5%	18,058	14%	719	0.6%	2,385	1.8%	575	0.4%	11,000	10%
E07000108	Dover	Kent	South East	ENG	115,627	4,032	3.5%	2,526	2.2%	18,978	16%	1,055	0.9%	3,286	2.8%	807	0.7%	15,000	13%
E07000112	Folkestone and Hythe	Kent	South East	ENG	116,783	4,381	3.8%	2,661	2.3%	20,367	17%	1,029	0.9%	3,637	3.1%	782	0.7%	16,000	14%
E07000109	Gravesham	Kent	South East	ENG	134,792	3,354	2.5%	2,051	1.5%	18,069	13%	757	0.6%	2,496	1.9%	528	0.4%	12,000	11%
E07000110	Maidstone	Kent	South East	ENG	177,177	4,802	2.7%	3,101	1.8%	25,026	14%	1,368	0.8%	3,916	2.2%	739	0.4%	17,000	10%
E06000035	Medway	Kent	South East	ENG	290,382	7,570	2.6%	3,723	1.3%	41,501	14%	2,519	0.9%	4,911	1.7%	1,214	0.4%	25,000	9%
E07000111	Sevenoaks	Kent	South East	ENG	98,333	2,589	2.6%	1,881	1.9%	13,754	14%	792	0.8%	2,583	2.6%	500	0.5%	10,000	8%
E07000113	Swale	Kent	South East	ENG	149,351	4,378	2.9%	2,420	1.6%	22,815	15%	1,307	0.9%	3,126	2.1%	801	0.5%	15,000	10%
E07000114	Thanet	Kent	South East	ENG	147,362	5,217	3.5%	3,287	2.2%	25,053	17%	1,378	0.9%	4,009	2.7%	1,183	0.8%	19,000	13%
E07000115	Tonbridge and Malling	Kent	South East	ENG	137,897	3,636	2.6%	2,345	1.7%	18,489	13%	1,074	0.8%	3,105	2.3%	646	0.5%	14,000	11%
E07000116	Tunbridge Wells	Kent	South East	ENG	126,505	3,111	2.5%	2,427	1.9%	16,839	13%	980	0.8%	3,068	2.4%	578	0.5%	13,000	11%
E06000008	Blackburn with Darwen	Lancashire	North West	ENG	179,552	6,286	3.5%	3,155	1.8%	24,846	14%	1,481	0.8%	2,842	1.6%	1,265	0.7%	19,000	13%
E06000009	Blackpool	Lancashire	North West	ENG	174,970	7,806	4.5%	4,220	2.4%	31,378	18%	2,755	1.6%	4,504	2.6%	2,045	1.2%	27,000	20%
E07000117	Burnley	Lancashire	North West	ENG	101,501	3,907	3.8%	2,029	2.0%	14,919	15%	886	0.9%	2,073	2.0%	996	1.0%	12,000	13%
E07000118	Chorley	Lancashire	North West	ENG	118,452	4,436	3.7%	2,327	2.0%	18,259	15%	1,384	1.2%	2,828	2.4%	959	0.8%	15,000	13%
E07000119	Fylde	Lancashire	North West	ENG	73,280	3,503	4.8%	1,968	2.7%	13,723	19%	861	1.2%	2,427	3.3%	696	0.9%	12,000	15%
E07000120	Hyndburn	Lancashire	North West	ENG	78,884	3,291	4.2%	1,661	2.1%	12,427	16%	784	1.0%	1,599	2.0%	860	1.1%	10,000	12%
E07000121	Lancaster	Lancashire	North West	ENG	159,205	5,746	3.6%	3,462	2.2%	21,577	14%	1,385	0.9%	3,625	2.3%	1,510	0.9%	20,000	14%
E07000122	Pendle	Lancashire	North West	ENG	96,387	3,590	3.7%	1,928	2.0%	13,681	14%	877	0.9%	1,832	1.9%	789	0.8%	11,000	12%
E07000123	Preston	Lancashire	North West	ENG	143,366	4,527	3.2%	2,626	1.8%	17,914	12%	1,656	1.2%	2,529	1.8%	1,022	0.7%	16,000	11%
E07000124	Ribble Valley	Lancashire	North West	ENG	60,188	2,203	3.7%	1,311	2.2%	10,449	17%	754	1.3%	1,653	2.7%	435	0.7%	8,000	13%
E07000125	Rossendale	Lancashire	North West	ENG	73,613	2,677	3.6%	1,531	2.1%	10,762	15%	607	0.8%	1,472	2.0%	726	1.0%	8,800	12%
E07000126	South Ribble	Lancashire	North West	ENG	122,558	4,299	3.5%	2,396	2.0%	18,685	15%	1,484	1.2%	2,953	2.4%	871	0.7%	15,000	14%
E07000127	West Lancashire	Lancashire	North West	ENG	114,019	4,252	3.7%	2,376	2.1%	18,677	16%	1,269	1.1%	2,848	2.5%	778	0.7%	14,000	12%
E07000128	Wyre	Lancashire	North West	ENG	107,171	5,251	4.9%	2,967	2.8%	20,276	19%	1,846	1.7%	3,397	3.2%	1,140	1.1%	18,000	16%
E07000129	Blaby	Leicestershire	East Midlands	ENG	101,691	3,153	3.1%	1,942	1.9%	15,742	15%	1,075	1.1%	2,325	2.3%	476	0.5%	11,000	11%
E07000130	Charnwood	Leicestershire	East Midlands	ENG	197,106	5,258	2.7%	3,278	1.7%	26,500	13%	2,255	1.1%	4,086	2.1%	1,072	0.5%	20,000	11%
E07000131	Harborough	Leicestershire	East Midlands	ENG	92,957	2,596	2.8%	1,801	1.9%	13,895	15%	834	0.9%	2,380	2.6%	444	0.5%	10,000	10%
E07000132	Hinckley and Bosworth	Leicestershire	East Midlands	ENG	109,094	3,424	3.1%	2,239	2.1%	17,758	16%	1,703	1.6%	2,732	2.5%	646	0.6%	13,000	11%
E06000016	Leicester	Leicestershire	East Midlands	ENG	419,614	9,944	2.4%	5,088	1.2%	51,028	12%	3,516	0.8%	4,479	1.1%	1,477	0.4%	31,000	9%
E07000133	Melton	Leicestershire	East Midlands	ENG	53,929	1,809	3.4%	1,052	2.0%	9,263	17%	798	1.5%	1,564	2.9%	397	0.7%	7,100	14%
E07000134	North West Leicestershire	Leicestershire	East Midlands	ENG	111,838	3,415	3.1%	2,151	1.9%	17,155	15%	1,241	1.1%	2,763	2.5%	636	0.6%	13,000	12%
E07000135	Oadby and Wigston	Leicestershire	East Midlands	ENG	59,243	2,018	3.4%	1,263	2.1%	9,958	17%	859	1.4%	1,522	2.6%	341	0.6%	7,500	13%
E07000136	Boston	Lincolnshire	East Midlands	ENG	85,738	3,047	3.6%	1,846	2.2%	13,396	16%	1,017	1.2%	1,956	2.3%	568	0.7%	11,000	16%
E07000137	East Lindsey	Lincolnshire	East Midlands	ENG	149,188	8,068	5.4%	4,609	3.1%	29,958	20%	2,757	1.8%	5,308	3.6%	1,451	1.0%	28,000	20%
E07000138	Lincoln	Lincolnshire	East Midlands	ENG	114,425	3,171	2.8%	1,856	1.6%	13,889	12%	916	0.8%	2,036	1.8%	567	0.5%	11,000	11%
E06000012	North East Lincolnshire	Lincolnshire	Yorkshire & The Humber	ENG	173,347	6,439	3.7%	4,146	2.4%	27,564	16%	1,412	0.8%	4,504	2.6%	1,576	0.9%	23,000	14%
E07000139	North Kesteven	Lincolnshire	East Midlands	ENG	99,160	3,940	4.0%	2,182	2.2%	16,062	16%	1,198	1.2%	2,632	2.7%	619	0.6%	13,000	11%
E06000013	North Lincolnshire	Lincolnshire	Yorkshire & The Humber	ENG	186,047	7,839	4.2%	4,029	2.2%	31,395	17%	1,502	0.8%	4,423	2.4%	1,229	0.7%	24,000	14%
E07000140	South Holland	Lincolnshire	East Midlands	ENG	94,912	3,829	4.0%	2,233	2.4%	17,434	18%	1,577	1.7%	2,568	2.7%	661	0.7%	14,000	15%
E07000141	South Kesteven	Lincolnshire	East Midlands	ENG	163,111	6,351	3.9%	3,615	2.2%	28,507	17%	2,670	1.6%	4,498	2.8%	1,063	0.7%	23,000	16%
E07000142	West Lindsey	Lincolnshire	East Midlands	ENG	81,224	3,507	4.3%	1,928	2.4%	13,957	17%	1,027	1.3%	2,284	2.8%	606	0.7%	12,000	12%
E08000011	Knowsley	Merseyside	North West	ENG	163,283	6,612	4.0%	3,118	1.9%	25,243	15%	1,773	1.1%	3,478	2.1%	1,550	0.9%	21,000	14%
E08000012	Liverpool	Merseyside	North West	ENG	564,294	17,867	3.2%	9,824	1.7%	76,572	14%	5,753	1.0%	10,784	1.9%	4,255	0.8%	61,000	12%
E08000014	Sefton	Merseyside	North West	ENG	277,768	11,455	4.1%	6,504	2.3%	47,430	17%	3,819	1.4%	8,152	2.9%	2,242	0.8%	40,000	14%
E08000013	St. Helens	Merseyside	North West	ENG	199,421	8,525	4.3%	4,094	2.1%	34,589	17%	2,082	1.0%	5,205	2.6%	1,730	0.9%	27,000	15%
E08000015	Wirral	Merseyside	North West	ENG	338,175	12,993	3.8%	7,686	2.3%	54,457	16%	4,712	1.4%	10,064	3.0%	2,803	0.8%	48,000	15%
E07000143	Breckland	Norfolk	East of England	ENG	141,899	5,341	3.8%	3,231	2.3%	23,948	17%	1,339	0.9%	3,984	2.8%	928	0.7%	19,000	13%

Table 2.13 Prevalence of cardiovascular conditions from GP patient registers, by UK local authority, latest available

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region/nation tables see 2.7

					GP PREVALENCE DATA (PATIENT REGISTERS)														BHF Heart & Circulatory Diseases (CVD) Estimate	
					Patient List Size	Coronary Heart Disease Register		Stroke/TIA Register		Hypertension Register		Heart Failure Register		Atrial Fibrillation Register		PAD Register			
LA Code	LA/DC/UA	Ceremonial County (Eng/Wal)	Region/Nation	4N		*Total*	*%*	*Total*	*%*	*Total*	*%*	*Total*	*%*	*Total*	*%*	*Total*	*%*	*Total*	*% popn*
E07000144	Broadland	Norfolk	East of England	ENG	*113,492*	3,936	*3.5%*	2,530	*2.2%*	18,476	*16%*	1,008	*0.9%*	3,178	*2.8%*	655	*0.6%*	14,000	*11%*
E07000145	Great Yarmouth	Norfolk	East of England	ENG	*108,975*	4,164	*3.8%*	2,531	*2.3%*	18,929	*17%*	1,005	*0.9%*	2,575	*2.4%*	891	*0.8%*	14,000	*14%*
E07000146	King's Lynn and West Norfolk	Norfolk	East of England	ENG	*154,808*	6,505	*4.2%*	4,144	*2.7%*	27,277	*18%*	1,584	*1.0%*	4,857	*3.1%*	955	*0.6%*	23,000	*15%*
E07000147	North Norfolk	Norfolk	East of England	ENG	*105,783*	5,146	*4.9%*	3,270	*3.1%*	21,379	*20%*	1,320	*1.2%*	4,089	*3.9%*	864	*0.8%*	18,000	*17%*
E07000148	Norwich	Norfolk	East of England	ENG	*175,646*	4,356	*2.5%*	2,943	*1.7%*	19,412	*11%*	1,247	*0.7%*	2,963	*1.7%*	895	*0.5%*	16,000	*11%*
E07000149	South Norfolk	Norfolk	East of England	ENG	*140,787*	4,709	*3.3%*	3,050	*2.2%*	21,172	*15%*	1,082	*0.8%*	3,604	*2.6%*	726	*0.5%*	17,000	*12%*
E06000061	North Northamptonshire	Northamptonshire	East Midlands	ENG	*378,207*	12,314	*3.3%*	6,915	*1.8%*	56,634	*15%*	4,261	*1.1%*	7,965	*2.1%*	2,556	*0.7%*	43,000	*12%*
E06000062	West Northamptonshire	Northamptonshire	East Midlands	ENG	*431,494*	11,421	*2.7%*	6,606	*1.5%*	60,252	*14%*	3,291	*0.8%*	8,562	*2.0%*	2,347	*0.5%*	40,000	*10%*
E06000057	Northumberland	Northumberland	North East	ENG	*331,113*	15,093	*4.6%*	8,951	*2.7%*	58,827	*18%*	5,289	*1.6%*	9,638	*2.9%*	3,004	*0.9%*	53,000	*16%*
E07000170	Ashfield	Nottinghamshire	East Midlands	ENG	*128,095*	4,807	*3.8%*	2,689	*2.1%*	19,569	*15%*	1,453	*1.1%*	2,663	*2.1%*	835	*0.7%*	16,000	*12%*
E07000171	Bassetlaw	Nottinghamshire	East Midlands	ENG	*116,854*	4,009	*3.4%*	2,491	*2.1%*	17,128	*15%*	1,345	*1.2%*	3,170	*2.7%*	977	*0.8%*	15,000	*13%*
E07000172	Broxtowe	Nottinghamshire	East Midlands	ENG	*105,847*	3,762	*3.6%*	2,216	*2.1%*	16,030	*15%*	1,400	*1.3%*	2,644	*2.5%*	667	*0.6%*	13,000	*11%*
E07000173	Gedling	Nottinghamshire	East Midlands	ENG	*92,751*	3,213	*3.5%*	2,036	*2.2%*	13,992	*15%*	803	*0.9%*	2,203	*2.4%*	561	*0.6%*	11,000	*9%*
E07000174	Mansfield	Nottinghamshire	East Midlands	ENG	*103,036*	3,864	*3.8%*	1,930	*1.9%*	15,559	*15%*	925	*0.9%*	2,105	*2.0%*	620	*0.6%*	12,000	*11%*
E07000175	Newark and Sherwood	Nottinghamshire	East Midlands	ENG	*150,622*	5,692	*3.8%*	3,409	*2.3%*	23,748	*16%*	1,515	*1.0%*	3,798	*2.5%*	955	*0.6%*	19,000	*15%*
E06000018	Nottingham	Nottinghamshire	East Midlands	ENG	*388,809*	9,109	*2.3%*	5,387	*1.4%*	40,305	*10%*	2,414	*0.6%*	4,926	*1.3%*	1,812	*0.5%*	30,000	*9%*
E07000176	Rushcliffe	Nottinghamshire	East Midlands	ENG	*122,542*	3,906	*3.2%*	2,474	*2.0%*	16,948	*14%*	1,233	*1.0%*	3,084	*2.5%*	588	*0.5%*	14,000	*12%*
E07000177	Cherwell	Oxfordshire	South East	ENG	*174,163*	4,435	*2.5%*	3,192	*1.8%*	22,722	*13%*	1,441	*0.8%*	3,664	*2.1%*	926	*0.5%*	17,000	*11%*
E07000178	Oxford	Oxfordshire	South East	ENG	*216,928*	3,192	*1.5%*	2,350	*1.1%*	18,584	*9%*	1,122	*0.5%*	2,613	*1.2%*	745	*0.3%*	13,000	*9%*
E07000179	South Oxfordshire	Oxfordshire	South East	ENG	*151,537*	3,839	*2.5%*	2,830	*1.9%*	20,935	*14%*	1,299	*0.9%*	3,744	*2.5%*	734	*0.5%*	16,000	*11%*
E07000180	Vale of White Horse	Oxfordshire	South East	ENG	*127,359*	3,364	*2.6%*	2,812	*2.2%*	17,807	*14%*	979	*0.8%*	2,996	*2.4%*	624	*0.5%*	14,000	*10%*
E07000181	West Oxfordshire	Oxfordshire	South East	ENG	*116,820*	3,272	*2.8%*	2,432	*2.1%*	18,716	*16%*	1,192	*1.0%*	3,158	*2.7%*	631	*0.5%*	13,000	*12%*
E06000017	Rutland	Rutland	East Midlands	ENG	*40,294*	1,433	*3.6%*	944	*2.3%*	6,977	*17%*	702	*1.7%*	1,316	*3.3%*	243	*0.6%*	5,800	*14%*
E06000051	Shropshire	Shropshire	West Midlands	ENG	*321,488*	12,099	*3.8%*	8,544	*2.7%*	53,451	*17%*	3,359	*1.0%*	9,369	*2.9%*	2,665	*0.8%*	45,000	*14%*
E06000020	Telford and Wrekin	Shropshire	West Midlands	ENG	*195,083*	5,973	*3.1%*	3,781	*1.9%*	27,267	*14%*	1,551	*0.8%*	3,753	*1.9%*	1,336	*0.7%*	21,000	*12%*
E06000022	Bath and North East Somerset	Somerset	South West	ENG	*214,934*	6,051	*2.8%*	3,896	*1.8%*	27,413	*13%*	2,034	*0.9%*	4,983	*2.3%*	1,057	*0.5%*	23,000	*12%*
E07000187	Mendip	Somerset	South West	ENG	*118,969*	4,182	*3.5%*	2,602	*2.2%*	19,583	*16%*	1,471	*1.2%*	3,331	*2.8%*	1,147	*1.0%*	16,000	*14%*
E06000024	North Somerset	Somerset	South West	ENG	*224,395*	8,144	*3.6%*	5,568	*2.5%*	36,057	*16%*	2,377	*1.1%*	6,696	*3.0%*	1,496	*0.7%*	30,000	*14%*
E07000188	Sedgemoor	Somerset	South West	ENG	*130,219*	5,188	*4.0%*	3,119	*2.4%*	21,879	*17%*	1,450	*1.1%*	3,867	*3.0%*	970	*0.7%*	18,000	*15%*
E07000246	Somerset West and Taunton	Somerset	South West	ENG	*160,970*	6,189	*3.8%*	4,027	*2.5%*	26,529	*16%*	1,848	*1.1%*	4,884	*3.0%*	1,327	*0.8%*	23,000	*15%*
E07000189	South Somerset	Somerset	South West	ENG	*178,221*	6,779	*3.8%*	4,243	*2.4%*	31,530	*18%*	2,182	*1.2%*	5,572	*3.1%*	1,398	*0.8%*	25,000	*15%*
E07000192	Cannock Chase	Staffordshire	West Midlands	ENG	*106,993*	4,081	*3.8%*	2,057	*1.9%*	17,448	*16%*	1,141	*1.1%*	2,459	*2.3%*	759	*0.7%*	13,000	*13%*
E07000193	East Staffordshire	Staffordshire	West Midlands	ENG	*131,333*	4,010	*3.1%*	2,199	*1.7%*	17,953	*14%*	1,291	*1.0%*	2,759	*2.1%*	618	*0.5%*	14,000	*12%*
E07000194	Lichfield	Staffordshire	West Midlands	ENG	*84,013*	3,098	*3.7%*	1,707	*2.0%*	13,002	*15%*	870	*1.0%*	2,282	*2.7%*	462	*0.5%*	11,000	*10%*
E07000195	Newcastle-under-Lyme	Staffordshire	West Midlands	ENG	*129,841*	4,605	*3.5%*	3,153	*2.4%*	21,395	*16%*	1,311	*1.0%*	3,352	*2.6%*	912	*0.7%*	17,000	*13%*
E07000196	South Staffordshire	Staffordshire	West Midlands	ENG	*93,758*	3,452	*3.7%*	2,096	*2.2%*	15,943	*17%*	945	*1.0%*	2,645	*2.8%*	530	*0.6%*	12,000	*11%*
E07000197	Stafford	Staffordshire	West Midlands	ENG	*130,061*	4,523	*3.5%*	2,827	*2.2%*	20,444	*16%*	1,339	*1.0%*	3,437	*2.6%*	862	*0.7%*	16,000	*12%*
E07000198	Staffordshire Moorlands	Staffordshire	West Midlands	ENG	*91,949*	3,667	*4.0%*	2,371	*2.6%*	17,253	*19%*	1,063	*1.2%*	2,857	*3.1%*	625	*0.7%*	13,000	*13%*
E06000021	Stoke-on-Trent	Staffordshire	West Midlands	ENG	*291,650*	9,962	*3.4%*	6,093	*2.1%*	47,262	*16%*	2,890	*1.0%*	6,207	*2.1%*	2,268	*0.8%*	34,000	*13%*
E07000199	Tamworth	Staffordshire	West Midlands	ENG	*90,090*	3,160	*3.5%*	1,682	*1.9%*	12,996	*14%*	809	*0.9%*	2,015	*2.2%*	481	*0.5%*	10,000	*13%*
E07000200	Babergh	Suffolk	East of England	ENG	*89,106*	3,539	*4.0%*	1,983	*2.2%*	15,103	*17%*	1,228	*1.4%*	2,676	*3.0%*	530	*0.6%*	13,000	*14%*
E07000244	East Suffolk	Suffolk	East of England	ENG	*244,956*	10,289	*4.2%*	5,956	*2.4%*	42,706	*17%*	3,191	*1.3%*	7,577	*3.1%*	1,849	*0.8%*	36,000	*14%*
E07000202	Ipswich	Suffolk	East of England	ENG	*179,358*	5,402	*3.0%*	3,002	*1.7%*	23,618	*13%*	1,722	*1.0%*	3,438	*1.9%*	987	*0.6%*	18,000	*13%*
E07000203	Mid Suffolk	Suffolk	East of England	ENG	*98,167*	3,522	*3.6%*	2,124	*2.2%*	16,496	*17%*	1,240	*1.3%*	2,771	*2.8%*	554	*0.6%*	13,000	*12%*
E07000245	West Suffolk	Suffolk	East of England	ENG	*195,933*	6,467	*3.3%*	3,707	*1.9%*	29,724	*15%*	2,248	*1.1%*	4,853	*2.5%*	1,193	*0.6%*	23,000	*13%*
E07000207	Elmbridge	Surrey	South East	ENG	*152,057*	3,431	*2.3%*	2,307	*1.5%*	17,613	*12%*	867	*0.6%*	3,095	*2.0%*	528	*0.3%*	13,000	*9%*
E07000208	Epsom and Ewell	Surrey	South East	ENG	*86,028*	2,156	*2.5%*	1,378	*1.6%*	11,512	*13%*	470	*0.5%*	1,719	*2.0%*	368	*0.4%*	7,600	*9%*
E07000209	Guildford	Surrey	South East	ENG	*123,852*	2,667	*2.2%*	1,589	*1.3%*	14,364	*12%*	780	*0.6%*	2,475	*2.0%*	469	*0.4%*	10,000	*7%*
E07000210	Mole Valley	Surrey	South East	ENG	*94,862*	2,820	*3.0%*	1,913	*2.0%*	14,039	*15%*	629	*0.7%*	2,558	*2.7%*	491	*0.5%*	11,000	*13%*
E07000211	Reigate and Banstead	Surrey	South East	ENG	*147,536*	3,760	*2.5%*	2,467	*1.7%*	18,778	*13%*	928	*0.6%*	3,281	*2.2%*	612	*0.4%*	14,000	*9%*

Table 2.13 Prevalence of cardiovascular conditions from GP patient registers, by UK local authority, latest available

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					GP PREVALENCE DATA (PATIENT REGISTERS)														BHF Heart & Circulatory Diseases (CVD) Estimate	
					Patient List Size	Coronary Heart Disease Register		Stroke/TIA Register		Hypertension Register		Heart Failure Register		Atrial Fibrillation Register		PAD Register			
LA Code	LA/DC/UA	Ceremonial County (Eng/Wal)	Region/Nation	4N		Total	%	Total	%	Total	%	Total	%	Total	%	Total	%	Total	% popn
E07000212	Runnymede	Surrey	South East	ENG	83,595	2,145	2.6%	1,402	1.7%	10,784	13%	629	0.8%	1,792	2.1%	432	0.5%	8,000	9%
E07000213	Spelthorne	Surrey	South East	ENG	106,165	3,089	2.9%	1,860	1.8%	15,625	15%	840	0.8%	2,401	2.3%	534	0.5%	11,000	11%
E07000214	Surrey Heath	Surrey	South East	ENG	109,904	2,931	2.7%	1,805	1.6%	15,211	14%	704	0.6%	2,500	2.3%	459	0.4%	11,000	12%
E07000215	Tandridge	Surrey	South East	ENG	89,947	2,832	3.1%	1,689	1.9%	12,162	14%	729	0.8%	2,349	2.6%	444	0.5%	10,000	11%
E07000216	Waverley	Surrey	South East	ENG	157,763	4,500	2.9%	2,795	1.8%	22,384	14%	1,301	0.8%	4,455	2.8%	756	0.5%	17,000	13%
E07000217	Woking	Surrey	South East	ENG	120,608	2,851	2.4%	1,754	1.5%	14,273	12%	803	0.7%	2,279	1.9%	517	0.4%	10,000	10%
E08000037	Gateshead	Tyne & Wear	North East	ENG	208,916	7,828	3.7%	4,918	2.4%	33,897	16%	2,408	1.2%	4,943	2.4%	1,916	0.9%	28,000	14%
E08000021	Newcastle upon Tyne	Tyne & Wear	North East	ENG	329,574	9,207	2.8%	5,749	1.7%	39,493	12%	2,600	0.8%	5,227	1.6%	2,548	0.8%	32,000	10%
E08000022	North Tyneside	Tyne & Wear	North East	ENG	217,018	8,722	4.0%	5,517	2.5%	33,422	15%	3,272	1.5%	4,983	2.3%	2,001	0.9%	31,000	15%
E08000023	South Tyneside	Tyne & Wear	North East	ENG	158,453	6,682	4.2%	3,404	2.1%	24,647	16%	2,244	1.4%	3,855	2.4%	1,433	0.9%	22,000	15%
E08000024	Sunderland	Tyne & Wear	North East	ENG	284,323	12,839	4.5%	6,414	2.3%	48,701	17%	3,263	1.1%	7,014	2.5%	2,592	0.9%	40,000	14%
E07000218	North Warwickshire	Warwickshire	West Midlands	ENG	67,631	2,118	3.1%	1,391	2.1%	10,734	16%	536	0.8%	1,527	2.3%	347	0.5%	7,400	11%
E07000219	Nuneaton and Bedworth	Warwickshire	West Midlands	ENG	127,569	3,763	2.9%	2,457	1.9%	21,769	17%	1,137	0.9%	2,764	2.2%	811	0.6%	14,000	11%
E07000220	Rugby	Warwickshire	West Midlands	ENG	114,889	2,834	2.5%	1,898	1.7%	15,200	13%	897	0.8%	2,224	1.9%	619	0.5%	11,000	10%
E07000221	Stratford-on-Avon	Warwickshire	West Midlands	ENG	151,137	4,781	3.2%	3,402	2.3%	24,386	16%	1,653	1.1%	4,202	2.8%	811	0.5%	19,000	14%
E07000222	Warwick	Warwickshire	West Midlands	ENG	149,418	3,877	2.6%	2,828	1.9%	20,056	13%	1,161	0.8%	3,276	2.2%	688	0.5%	15,000	10%
E08000025	Birmingham	West Midlands	West Midlands	ENG	1,321,652	35,113	2.7%	18,502	1.4%	157,214	12%	8,919	0.7%	17,814	1.3%	5,809	0.4%	110,000	10%
E08000026	Coventry	West Midlands	West Midlands	ENG	417,871	9,274	2.2%	5,950	1.4%	51,302	12%	2,874	0.7%	6,002	1.4%	2,177	0.5%	33,000	9%
E08000027	Dudley	West Midlands	West Midlands	ENG	328,452	13,253	4.0%	6,617	2.0%	57,104	17%	3,137	1.0%	8,402	2.6%	1,971	0.6%	42,000	13%
E08000028	Sandwell	West Midlands	West Midlands	ENG	363,372	12,852	3.5%	5,709	1.6%	54,397	15%	3,298	0.9%	5,962	1.6%	1,916	0.5%	37,000	11%
E08000029	Solihull	West Midlands	West Midlands	ENG	233,958	7,202	3.1%	4,436	1.9%	34,390	15%	1,940	0.8%	5,189	2.2%	1,277	0.5%	25,000	11%
E08000030	Walsall	West Midlands	West Midlands	ENG	294,140	11,271	3.8%	5,242	1.8%	44,200	15%	3,251	1.1%	6,141	2.1%	1,896	0.6%	35,000	12%
E08000031	Wolverhampton	West Midlands	West Midlands	ENG	291,215	8,720	3.0%	4,987	1.7%	41,044	14%	2,850	1.0%	5,116	1.8%	1,576	0.5%	29,000	11%
E07000223	Adur	West Sussex	South East	ENG	64,964	2,629	4.0%	1,384	2.1%	11,141	17%	697	1.1%	1,962	3.0%	515	0.8%	9,000	14%
E07000224	Arun	West Sussex	South East	ENG	167,648	7,211	4.3%	4,366	2.6%	30,232	18%	1,896	1.1%	5,523	3.3%	1,269	0.8%	25,000	16%
E07000225	Chichester	West Sussex	South East	ENG	113,526	4,268	3.8%	2,792	2.5%	17,852	16%	1,119	1.0%	3,569	3.1%	704	0.6%	16,000	13%
E07000226	Crawley	West Sussex	South East	ENG	136,879	3,877	2.8%	1,979	1.4%	17,557	13%	976	0.7%	2,255	1.6%	559	0.4%	12,000	11%
E07000227	Horsham	West Sussex	South East	ENG	149,942	4,889	3.3%	2,977	2.0%	22,289	15%	1,072	0.7%	3,948	2.6%	715	0.5%	17,000	12%
E07000228	Mid Sussex	West Sussex	South East	ENG	161,032	4,984	3.1%	3,304	2.1%	23,352	15%	1,495	0.9%	4,224	2.6%	777	0.5%	19,000	12%
E07000229	Worthing	West Sussex	South East	ENG	117,023	4,470	3.8%	2,696	2.3%	19,162	16%	1,268	1.1%	3,262	2.8%	802	0.7%	16,000	14%
E06000030	Swindon	Wiltshire	South West	ENG	239,287	6,604	2.8%	3,812	1.6%	34,198	14%	1,971	0.8%	4,502	1.9%	1,372	0.6%	23,000	10%
E06000054	Wiltshire	Wiltshire	South West	ENG	499,987	17,225	3.4%	11,004	2.2%	76,967	15%	5,313	1.1%	13,624	2.7%	3,115	0.6%	63,000	12%
E07000234	Bromsgrove	Worcestershire	West Midlands	ENG	98,416	3,303	3.4%	2,215	2.3%	14,974	15%	1,124	1.1%	2,511	2.6%	545	0.6%	12,000	12%
E07000235	Malvern Hills	Worcestershire	West Midlands	ENG	71,839	2,648	3.7%	1,903	2.6%	13,101	18%	826	1.1%	2,248	3.1%	492	0.7%	10,000	13%
E07000236	Redditch	Worcestershire	West Midlands	ENG	90,438	3,036	3.4%	1,756	1.9%	13,412	15%	801	0.9%	1,827	2.0%	506	0.6%	10,000	12%
E07000237	Worcester	Worcestershire	West Midlands	ENG	126,168	3,394	2.7%	2,246	1.8%	17,450	14%	1,483	1.2%	2,616	2.1%	642	0.5%	13,000	13%
E07000238	Wychavon	Worcestershire	West Midlands	ENG	121,054	4,236	3.5%	2,863	2.4%	21,328	18%	1,376	1.1%	3,477	2.9%	696	0.6%	16,000	12%
E07000239	Wyre Forest	Worcestershire	West Midlands	ENG	109,019	4,129	3.8%	3,033	2.8%	20,113	18%	1,677	1.5%	3,071	2.8%	842	0.8%	16,000	16%
E06000011	East Riding of Yorkshire	Yorkshire (East Riding)	Yorkshire & The Humber	ENG	324,800	15,274	4.7%	7,627	2.3%	58,430	18%	3,837	1.2%	9,678	3.0%	2,661	0.8%	49,000	14%
E06000010	Kingston upon Hull, City of	Yorkshire (East Riding)	Yorkshire & The Humber	ENG	303,407	10,730	3.5%	4,752	1.6%	43,148	14%	2,360	0.8%	5,215	1.7%	2,302	0.8%	32,000	12%
E07000163	Craven	Yorkshire (North Yorkshire)	Yorkshire & The Humber	ENG	56,104	2,319	4.1%	1,486	2.6%	9,565	17%	641	1.1%	1,753	3.1%	532	0.9%	8,500	15%
E07000164	Hambleton	Yorkshire (North Yorkshire)	Yorkshire & The Humber	ENG	87,733	3,540	4.0%	2,609	3.0%	15,457	18%	1,171	1.3%	2,870	3.3%	679	0.8%	14,000	15%
E07000165	Harrogate	Yorkshire (North Yorkshire)	Yorkshire & The Humber	ENG	166,165	6,339	3.8%	3,683	2.2%	25,541	15%	1,766	1.1%	4,772	2.9%	1,331	0.8%	22,000	14%
E06000002	Middlesbrough	Yorkshire (North Yorkshire)	North East	ENG	163,771	5,486	3.3%	3,122	1.9%	21,503	13%	1,247	0.8%	3,015	1.8%	1,314	0.8%	18,000	13%
E06000003	Redcar and Cleveland	Yorkshire (North Yorkshire)	North East	ENG	137,584	5,680	4.1%	3,301	2.4%	23,834	17%	1,417	1.0%	3,444	2.5%	1,228	0.9%	19,000	14%
E07000166	Richmondshire	Yorkshire (North Yorkshire)	Yorkshire & The Humber	ENG	44,886	1,641	3.7%	1,239	2.8%	8,005	18%	473	1.1%	1,266	2.8%	323	0.7%	6,200	12%
E07000167	Ryedale	Yorkshire (North Yorkshire)	Yorkshire & The Humber	ENG	51,893	2,137	4.1%	1,316	2.5%	8,940	17%	715	1.4%	1,588	3.1%	404	0.8%	7,700	14%
E07000168	Scarborough	Yorkshire (North Yorkshire)	Yorkshire & The Humber	ENG	118,367	5,817	4.9%	3,251	2.7%	21,478	18%	1,899	1.6%	3,790	3.2%	1,407	1.2%	20,000	18%
E07000169	Selby	Yorkshire (North Yorkshire)	Yorkshire & The Humber	ENG	80,440	2,914	3.6%	1,828	2.3%	11,915	15%	747	0.9%	2,057	2.6%	596	0.7%	10,000	11%
E06000014	York	Yorkshire (North Yorkshire)	Yorkshire & The Humber	ENG	231,727	6,802	2.9%	4,533	2.0%	28,115	12%	2,355	1.0%	5,110	2.2%	1,558	0.7%	26,000	12%

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					GP PREVALENCE DATA (PATIENT REGISTERS)														BHF Heart & Circulatory Diseases (CVD) Estimate	
					Patient List Size	Coronary Heart Disease Register		Stroke/TIA Register		Hypertension Register		Heart Failure Register		Atrial Fibrillation Register		PAD Register			
LA Code	LA/DC/UA	Ceremonial County (Eng/Wal)	Region/Nation	4N		Total	%	Total	%	Total	%	Total	%	Total	%	Total	%	Total	% popn
E08000016	Barnsley	Yorkshire (South Yorkshire)	Yorkshire & The Humber	ENG	264,271	11,174	4.2%	5,770	2.2%	40,596	15%	2,963	1.1%	5,938	2.2%	2,703	1.0%	36,000	15%
E08000017	Doncaster	Yorkshire (South Yorkshire)	Yorkshire & The Humber	ENG	329,513	10,708	3.2%	6,668	2.0%	50,511	15%	3,739	1.1%	7,646	2.3%	2,560	0.8%	39,000	12%
E08000018	Rotherham	Yorkshire (South Yorkshire)	Yorkshire & The Humber	ENG	264,960	10,142	3.8%	5,770	2.2%	42,207	16%	2,527	1.0%	6,093	2.3%	1,985	0.7%	33,000	12%
E08000019	Sheffield	Yorkshire (South Yorkshire)	Yorkshire & The Humber	ENG	614,259	20,063	3.3%	12,416	2.0%	78,803	13%	7,039	1.1%	12,664	2.1%	4,065	0.7%	70,000	12%
E08000032	Bradford	Yorkshire (West Yorkshire)	Yorkshire & The Humber	ENG	596,695	18,380	3.1%	9,861	1.7%	79,728	13%	5,515	0.9%	9,574	1.6%	4,022	0.7%	59,000	11%
E08000033	Calderdale	Yorkshire (West Yorkshire)	Yorkshire & The Humber	ENG	222,035	7,820	3.5%	4,478	2.0%	30,996	14%	1,983	0.9%	4,524	2.0%	1,753	0.8%	26,000	12%
E08000034	Kirklees	Yorkshire (West Yorkshire)	Yorkshire & The Humber	ENG	447,789	15,000	3.3%	8,338	1.9%	62,836	14%	4,041	0.9%	8,016	1.8%	3,404	0.8%	49,000	11%
E08000035	Leeds	Yorkshire (West Yorkshire)	Yorkshire & The Humber	ENG	897,886	24,563	2.7%	15,160	1.7%	112,856	13%	8,333	0.9%	15,355	1.7%	5,734	0.6%	87,000	11%
E08000036	Wakefield	Yorkshire (West Yorkshire)	Yorkshire & The Humber	ENG	385,295	13,954	3.6%	8,272	2.1%	59,261	15%	3,386	0.9%	8,286	2.2%	2,788	0.7%	46,000	13%
N09000001	Antrim and Newtownabbey		Northern Ireland	NI	131,765	4,984	3.8%	2,494	1.9%	18,261	14%	1,159	0.9%	2,748	2.1%			15,000	10%
N09000011	Ards and North Down		Northern Ireland	NI	162,579	7,396	4.5%	3,699	2.3%	24,235	15%	1,853	1.1%	4,097	2.5%			22,000	14%
N09000002	Armagh City, Banbridge and Craigavon		Northern Ireland	NI	224,920	7,836	3.5%	3,888	1.7%	30,162	13%	2,296	1.0%	4,194	1.9%			24,000	11%
N09000003	Belfast		Northern Ireland	NI	429,895	15,371	3.6%	8,603	2.0%	55,183	13%	4,069	0.9%	8,292	1.9%			47,000	14%
N09000004	Causeway Coast and Glens		Northern Ireland	NI	149,784	5,855	3.9%	3,240	2.2%	23,445	16%	1,519	1.0%	3,577	2.4%			18,000	12%
N09000005	Derry City and Strabane		Northern Ireland	NI	173,661	5,652	3.3%	3,181	1.8%	23,140	13%	1,466	0.8%	3,349	1.9%			18,000	12%
N09000006	Fermanagh and Omagh		Northern Ireland	NI	123,536	4,767	3.9%	2,622	2.1%	18,931	15%	1,058	0.9%	2,923	2.4%			15,000	13%
N09000007	Lisburn and Castlereagh		Northern Ireland	NI	118,704	4,311	3.6%	2,463	2.1%	16,287	14%	1,022	0.9%	2,673	2.3%			13,000	9%
N09000008	Mid and East Antrim		Northern Ireland	NI	143,976	5,798	4.0%	2,909	2.0%	21,756	15%	1,254	0.9%	3,283	2.3%			17,000	12%
N09000009	Mid Ulster		Northern Ireland	NI	156,050	5,473	3.5%	2,606	1.7%	20,246	13%	1,448	0.9%	2,962	1.9%			16,000	11%
N09000010	Newry, Mourne and Down		Northern Ireland	NI	191,021	6,511	3.4%	3,320	1.7%	26,455	14%	2,179	1.1%	3,819	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	11%
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	15%
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	15%
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	16%
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	14%
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	12%
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	12%
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	17%
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	13%
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	15%
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	16%
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	12%

Table 2.13 Prevalence of cardiovascular conditions from GP patient registers, by UK local authority, latest available

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region/nation tables see 2.7

					GP PREVALENCE DATA (PATIENT REGISTERS)														BHF Heart & Circulatory Diseases (CVD) Estimate	
					Patient List Size	Coronary Heart Disease Register		Stroke/TIA Register		Hypertension Register		Heart Failure Register		Atrial Fibrillation Register		PAD Register			
LA Code	LA/DC/UA	Ceremonial County (Eng/Wal)	Region/Nation	4N		*Total*	*%*	*Total*	*%*	*Total*	*%*	*Total*	*%*	*Total*	*%*	*Total*	*%*	*Total*	*% popn*
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	*16%*
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	*116,701*	5,138	*4.4%*	2,926	*2.5%*	21,137	*18%*	1,546	*1.3%*	3,387	*2.9%*			15,000	*13%*
W06000004	Denbighshire / Sir Ddinbych	Clwyd	Wales / Cymru	WAL	*112,119*	4,714	*4.2%*	2,549	*2.3%*	19,276	*17%*	1,392	*1.2%*	3,128	*2.8%*			13,000	*13%*
W06000005	Flintshire / Sir y Fflint	Clwyd	Wales / Cymru	WAL	*153,155*	5,571	*3.6%*	2,983	*1.9%*	24,818	*16%*	1,585	*1.0%*	3,689	*2.4%*			16,000	*10%*
W06000006	Wrexham / Wrecsam	Clwyd	Wales / Cymru	WAL	*137,501*	4,755	*3.5%*	2,751	*2.0%*	23,141	*17%*	1,497	*1.1%*	3,133	*2.3%*			14,000	*10%*
W06000010	Carmarthenshire / Sir Gaerfyrddin	Dyfed	Wales / Cymru	WAL	*174,183*	7,518	*4.3%*	4,263	*2.4%*	28,698	*16%*	2,093	*1.2%*	5,173	*3.0%*			21,000	*11%*
W06000008	Ceredigion	Dyfed	Wales / Cymru	WAL	*93,036*	3,553	*3.8%*	2,021	*2.2%*	15,547	*17%*	1,357	*1.5%*	2,612	*2.8%*			11,000	*15%*
W06000009	Pembrokeshire / Sir Benfro	Dyfed	Wales / Cymru	WAL	*120,802*	4,750	*3.9%*	3,044	*2.5%*	21,620	*18%*	1,402	*1.2%*	3,983	*3.3%*			15,000	*12%*
W06000019	Blaenau Gwent	Gwent	Wales / Cymru	WAL	*71,773*	3,032	*4.2%*	1,624	*2.3%*	13,422	*19%*	1,072	*1.5%*	1,620	*2.3%*			8,300	*12%*
W06000018	Caerphilly / Caerffili	Gwent	Wales / Cymru	WAL	*187,510*	7,009	*3.7%*	3,767	*2.0%*	31,104	*17%*	1,667	*0.9%*	4,162	*2.2%*			19,000	*10%*
W06000021	Monmouthshire / Sir Fynwy	Gwent	Wales / Cymru	WAL	*101,517*	3,778	*3.7%*	2,508	*2.5%*	17,151	*17%*	1,556	*1.5%*	2,993	*2.9%*			12,000	*13%*
W06000022	Newport / Casnewydd	Gwent	Wales / Cymru	WAL	*159,783*	4,907	*3.1%*	2,870	*1.8%*	22,548	*14%*	1,300	*0.8%*	2,971	*1.9%*			14,000	*9%*
W06000020	Torfaen / Tor-faen	Gwent	Wales / Cymru	WAL	*96,863*	3,651	*3.8%*	2,090	*2.2%*	15,679	*16%*	1,042	*1.1%*	2,351	*2.4%*			10,000	*11%*
W06000002	Gwynedd	Gwynedd	Wales / Cymru	WAL	*126,905*	4,183	*3.3%*	2,542	*2.0%*	20,487	*16%*	1,347	*1.1%*	3,119	*2.5%*			13,000	*10%*
W06000001	Isle of Anglesey / Ynys Môn	Gwynedd	Wales / Cymru	WAL	*65,716*	2,606	*4.0%*	1,684	*2.6%*	11,764	*18%*	788	*1.2%*	1,826	*2.8%*			7,800	*11%*
W06000013	Bridgend / Pen-y-bont ar Ogwr	Mid Glamorgan / Morgannwg Ganol	Wales / Cymru	WAL	*159,454*	6,388	*4.0%*	4,402	*2.8%*	26,974	*17%*	1,896	*1.2%*	4,302	*2.7%*			19,000	*13%*
W06000024	Merthyr Tydfil / Merthyr Tudful	Mid Glamorgan / Morgannwg Ganol	Wales / Cymru	WAL	*61,130*	2,209	*3.6%*	1,296	*2.1%*	10,302	*17%*	585	*1.0%*	1,386	*2.3%*			6,200	*10%*
W06000016	Rhondda Cynon Taf	Mid Glamorgan / Morgannwg Ganol	Wales / Cymru	WAL	*245,950*	9,270	*3.8%*	5,215	*2.1%*	41,481	*17%*	2,232	*0.9%*	5,774	*2.3%*			25,000	*10%*
W06000023	Powys	Powys	Wales / Cymru	WAL	*139,458*	5,676	*4.1%*	3,730	*2.7%*	24,313	*17%*	1,836	*1.3%*	4,111	*2.9%*			17,000	*13%*
W06000015	Cardiff / Caerdydd	South Glamorgan / De Morgannwg	Wales / Cymru	WAL	*387,023*	9,758	*2.5%*	6,106	*1.6%*	45,901	*12%*	3,478	*0.9%*	6,268	*1.6%*			29,000	*8%*
W06000014	Vale of Glamorgan / Bro Morgannwg	South Glamorgan / De Morgannwg	Wales / Cymru	WAL	*131,256*	4,376	*3.3%*	2,915	*2.2%*	20,059	*15%*	1,579	*1.2%*	3,240	*2.5%*			14,000	*10%*
W06000012	Neath/Castell-nedd Port Talbot	West Glamorgan / Gorllewin Morgannwg	Wales / Cymru	WAL	*146,956*	5,768	*3.9%*	3,449	*2.3%*	24,130	*16%*	1,861	*1.3%*	3,726	*2.5%*			17,000	*12%*
W06000011	Swansea / Abertawe	West Glamorgan / Gorllewin Morgannwg	Wales / Cymru	WAL	*253,408*	8,564	*3.4%*	5,512	*2.2%*	35,614	*14%*	2,944	*1.2%*	5,951	*2.3%*			26,000	*11%*

Notes: TIA = transient ischaemic attacks; PAD = peripheral arterial disease Local authority list correct to March 2022.

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 using CACI InSite)

BHF analysis - adjustments have been made for England & Scotland where patients were missing from lists, or active practices did not file patient numbers in the latest year.

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

- CVD estimate shows percentage of population (mid-2020 ONS estimates) and not a proportion of the list size

Please note that 2020/21 list administration (England & Northern Ireland) may have been affected by the coronavirus pandemic

Source: England - NHS Digital. Quality & Outcomes Framework (QOF) prevalence data 2020/21

https://digital.nhs.uk/data-and-information/publications/statistical/quality-and-outcomes-framework-achievement-prevalence-and-exceptions-data/2020-21

Wales - StatsWales. Quality Assurance and Improvement Framework (QAIF) disease registers 2019/20

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

Scotland - Public Health Scotland. GP prevalence data 2018/19

https://beta.isdscotland.org/find-publications-and-data/health-services/primary-care/general-practice-disease-prevalence-data-visualisation/

Northern Ireland - Department of Health, Quality & Outcomes Framework (QOF) prevalence data 2020/21

https://www.health-ni.gov.uk/topics/doh-statistics-and-research/quality-outcomes-framework-qof

Table 2.14 Prevalence of selected cardiovascular conditions by sex, England 2003 to 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 2.15 Prevalence of selected cardiovascular conditions by sex, Scotland 2003 to 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.

The full survey with CVD questions/fieldwork has been suspended during the coronavirus pandemic.

Source:

The Scottish Government. The Scottish Health Survey 2019 and previous editions.

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

Table 2.16 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 2.17 Prevalence of selected cardiovascular conditions by age group, Scotland 2003 to 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.

The full survey with CVD questions/fieldwork has been suspended during the coronavirus pandemic.

Source:

The Scottish Government. The Scottish Health Survey 2019 and previous editions.

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

Table 2.18 Prevalence of heart and circulatory complaints by sex and age, Wales 2016/17 to 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.

The full survey with CVD questions has been suspended during the coronavirus pandemic.

Source: National Survey for Wales (accessed March 2021)

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

Table 2.19 Prevalence of selected cardiovascular conditions by equivalised household income and sex, 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 2.20 Prevalence of selected cardiovascular conditions by equivalised household income and sex, 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

The full survey with CVD questions/fieldwork has been suspended during the coronavirus pandemic.

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 selected cardiovascular conditions by Scottish Index of Multiple Deprivation (SIMD) and sex, 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

The full survey with CVD questions/fieldwork has been suspended during the coronavirus pandemic.

Source:

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

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

Table 2.22 Prevalence of any cardiovascular condition by Scottish Index of Multiple Deprivation (SIMD) and sex, Scotland 2003 to 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

The full survey with CVD questions/fieldwork has been suspended during the coronavirus pandemic.

Source: The Scottish Government. The Scottish Health Survey 2019 and previous editions.

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

Table 2.23 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.

The full survey with CVD questions has been suspended during the coronavirus pandemic.

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 2.24 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 CHD/stroke prevalence totals from UK patient data see Table 2.7

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 2.25 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 2022 - Chapter 3 - Treatment

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

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

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Table 3.1 Prescriptions used in the prevention and treatment of heart and circulatory diseases (CVD), England 1981 to 2020

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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	2020
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	2,791
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	30,987
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	950
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	40,331
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	73,622
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	52,444
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	19,453
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	33,071
Anti-fibrinolytic drugs and haemostatics (2.11)					282	327	352	358	363	373	392	396	393	408	416	409	402	414	438	442
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	78,348
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**	**332,575**

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 (some CVD codes with small volumes excluded).

Source: NHS Digital. Prescription cost analysis to 2018
https://digital.nhs.uk/data-and-information/publications/statistical/prescription-cost-analysis
NHSBSA. Prescription cost analysis from 2019
https://www.nhsbsa.nhs.uk/statistical-collections/prescription-cost-analysis-england

Table 3.2 Prescriptions used in the prevention and treatment of heart and circulatory diseases (CVD), Wales 2004/05 to 2020/21

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Thousands (000s)

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

Notes: British National Formulary (BNF) codes in parentheses (some CVD codes with small volumes excluded).

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 2020/21

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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	2020/21
Digoxin and other positive inotropic drugs (2.1)	358	323	315	305	296	291	283	276	269	260	252	246	241	236	228	228	217
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	2,501
Anti-arrhythmic drugs (2.3)	102	90	85	81	77	73	70	71	69	68	67	66	66	65	65	66	64
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	3,356
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	5,174
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	3,729
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	1,258
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	2,764
Anti-fibrinolytic drugs and haemostatics (2.11)	35	36	38	39	41	42	43	44	47	47	47	48	47	47	49	51	49
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	5,080
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**	**24,197**

Notes: British National Formulary (BNF) codes in parentheses (some CVD codes with small volumes excluded).

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 2020

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	Thousands (000s)																
Prescriptions	**2000**	**2005**	**2006**	**2007**	**2008**	**2009**	**2010**	**2011**	**2012**	**2013**	**2014**	**2015**	**2016**	**2017**	**2018**	**2019**	**2020**
Digoxin and other positive inotropic drugs (2.1)	132	107	104	101	99	96	95	93	92	90	88	82	80	75	72	70	68
Diuretics (2.2)	819	1,015	1,009	992	983	983	992	1,002	996	978	961	940	926	908	896	898	893
Anti-arrhythmic drugs (2.3)	41	38	36	35	34	32	31	32	31	30	29	28	28	27	26	25	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	1,427
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	1,986
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	1,412
Anticoagulants and protamine (2.8)	138	183	194	207	220	233	249	274	300	334	366	394	427	454	477	502	519
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	1,113
Anti-fibrinolytic drugs and haemostatics (2.11)	0	12	12	13	13	14	14	16	17	16	16	16	16	16	17	18	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	2,293
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**	**9,757**

Notes: British National Formulary (BNF) codes in parentheses (some CVD codes with small volumes excluded).

Source: HSC (2021). 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

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Prescriptions	England 2020	Wales 2020/21	Scotland 2020/21	Northern Ireland 2020	UK latest
Digoxin and other positive inotropic drugs (2.1)	2,791	194	217	68	3,270
Diuretics (2.2)	30,987	2,395	2,501	893	36,777
Anti-arrhythmic drugs (2.3)	950	57	64	25	1,095
Beta-adrenoreceptor blocking drugs (2.4)	40,331	2,862	3,356	1,427	47,978
Antihypertensive and heart failure drugs (2.5)	73,622	5,409	5,174	1,986	86,191
Nitrates, calcium blockers & other antianginal drugs (2.6)	52,444	3,647	3,729	1,412	61,232
Anticoagulants and protamine (2.8)	19,453	1,350	1,258	519	22,580
Antiplatelet drugs (2.9)	33,071	2,256	2,764	1,113	39,204
Anti-fibrinolytic drugs and haemostatics (2.11)	442	34	49	18	542
Lipid-lowering drugs (2.12)	78,348	5,315	5,080	2,293	91,037
All prescriptions for disease of the cardiovascular system	**332,575**	**23,523**	**24,197**	**9,757**	**390,052**

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

Source: England - NHSBSA (2021). Prescription cost analysis 2020.
Health Statistics and Analysis Unit (2021). Prescription cost analysis 2020/21. Welsh Government: Cardiff
Public Health Scotland (2021). Prescription Cost Analysis 2020/21.
HSC (2021). Prescription Cost Analysis 2020. Business Services Organisation: Belfast.

Table 3.6 Number of CABGs and PCIs, United Kingdom 1977 to 2019/20

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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
2019/20	14,030	100,112

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 from 2016 to date taken from British Cardiovascular Intervention Society (2021). BCIS Audit returns . Personal communication and published results.
https://www.bcis.org.uk/audit-results/
Data up to 2015 taken from The Society for Cardiothoracic Surgery in Great Britain & Ireland (2017).
https://scts.org/professionals/reports/resources/default.aspx

Table 3.7 Number and rate of CABGs, Scotland 2008/09 to 2019/20

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Sex	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	2019/20
Males	Discharges	1,581	1,494	1,382	1,291	1,187	1,207	1,300	1,009	1,095	1,135	1,151	1,186
	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	44.5
	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	45.0	45.3
Females	Discharges	450	426	365	351	296	331	324	245	275	266	317	264
	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	9.4
	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	9.1
Both Sexes	Discharges	2,031	1,920	1,747	1,642	1,483	1,538	1,624	1,254	1,370	1,401	1,468	1,450
	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	26.5
	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	27.2	28.0	27.2

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+.

Source: SMR1/01 records, all inpatient and day case discharges.
All records were extracted from the SMR01 linked database.
Data for recent years 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 2002/03 to 2015/16

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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 2020/21

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	New registrations in 2020/21		Total registrations	
Heart transplant list	Number	%	Number	%
Remained active / suspended	126	46	369	58
Transplanted	92	34	158	25
Removed	40	15	81	13
Died	15	5	26	4
TOTAL	**273**		**634**	

Heart/lung transplant list	Number	%	Number	%
Remained active / suspended	8	80	10	63
Transplanted[2]	0	0	1	6
Removed	2	20	4	25
Died	0	0	1	6
TOTAL	**10**		**16**	

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 2021

Source: NHS Blood and Transplant (2021). Organ donation and transplantation https://www.organdonation.nhs.uk/supporting-my-decision/statistics

Table 3.10 Cardiothoracic transplants and rate per million population, by resident nation, United Kingdom 2010/11 to 2020/21

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Heart	2010/11		2011/12		2012/13		2013/14		2014/15		2015/16		2016/17		2017/18		2018/19		2019/20		2020/21	
Country	*n*	*rate*	*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	148	2.6	127	2.3
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	4	1.3	6	1.9
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	13	2.4	21	3.8
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	3	1.6	3	1.6
*Adjustments**									1				2		1				6		4	
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	174	2.6	161	2.4

Heart and lung	2010/11	2011/12	2012/13	2013/14	2014/15	2015/16	2016/17	2017/18	2018/19	2019/20	2020/21
Country					*n*	*n*	*n*	*n*	*n*	*n*	*n*
England					1	6	2	9	2	5	2
Wales					0	0	0	1	2	0	0
Scotland					0	0	0	1	0	0	0
Northern Ireland					0	0	0	1	0	0	0
UK					1	6	2	12	4	5	2

ALL HEART and HEART/LUNG TRANSPLANTS											
UK					182	200	201	210	187	179	163

Notes: Total includes patients whose postcodes were unknown and excludes residents of Republic of Ireland. Excludes lung transplant.

Source: Organ Donation and Transplantation. Quarterly statistics (2021) 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 2019/20

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Country	2010/11		2011/12		2012/13		2013/14		2014/15		2015/16		2016/17		2017/18		2018/19		2019/20	
	n	*rate*	*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	-	558
Wales	-	-	-	-	-	565	-	560	-	596	-	523	-	456	-	464	-	500	-	500
Northern Ireland	-	-	-	-	-	402	-	413	-	438	-	430	-	372	-	*	-	*	-	*

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

Notes: Pacemaker implant data for England, Wales and Northern Ireland is shown using old method (all procedures except battery changes) for years 2010/11 to 2014/15, and using new method (only first implants, 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 from 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 (OHCA) overall survival rates, by Ambulance Service, England 2011-12 to 2020-21; April 2011 to Dec 2020

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OVERALL SURVIVAL RATES (ALL RESUSCITATION ATTEMPTS)

	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	2020/21	*2011 (Apr to Dec)*	2012	2013	2014	2015	2016	2017	2018	2019	2020
East Midlands Ambulance Service NHS Trust	1,487	2,935	2,595	2,608	2,338	2,459	2,227	2,484	2,800	2,959	*689*	2,989	2,674	2,515	2,397	2,466	2,307	2,324	2,864	2,847
East of England Ambulance Service NHS Trust	3,161	3,059	3,073	3,346	3,127	3,468	3,562	3,385	3,594	3,538	*2,324*	3,132	2,970	3,234	3,274	3,280	3,579	3,458	3,569	3,516
Isle of Wight NHS Trust	115	100	132	127	139	111	127	124	123	109	*77*	110	121	126	142	110	133	126	124	112
London Ambulance Service NHS Trust	4,119	4,408	4,239	4,597	4,317	4,357	4,292	3,876	4,242	4,770	*3,053*	4,268	4,341	4,429	4,373	4,348	4,310	4,045	4,070	4,571
North East Ambulance Service NHS Foundation Trust	1,340	1,645	1,611	1,550	1,720	1,882	2,071	1,837	1,913	2,093	*974*	1,603	1,625	1,488	1,717	1,794	2,007	1,904	1,951	2,037
North West Ambulance Service NHS Trust	2,137	3,414	3,502	3,453	3,371	3,734	3,924	3,515	2,950	3,032	*1,556*	3,024	3,660	3,523	3,151	3,612	3,921	3,652	3,153	2,980
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	2,405	*1,044*	1,103	1,065	1,471	1,450	1,224	1,354	1,816	2,124	2,348
South East Coast Ambulance Service NHS Foundation Trust	2,270	2,551	2,691	2,728	2,802	3,021	3,023	2,663	2,589	2,633	*1,513*	2,566	2,721	2,690	2,752	2,995	2,980	2,870	2,550	2,633
South Western Ambulance Service NHS Foundation Trust	3,142	3,715	3,750	3,722	3,444	3,680	3,910	3,634	3,592	3,095	*2,242*	3,572	3,821	3,660	3,474	3,757	3,750	3,718	3,636	3,285
West Midlands Ambulance Service NHS Foundation Trust	2,282	2,909	3,861	4,100	4,046	3,794	3,777	3,503	3,579	3,744	*1,680*	2,862	3,470	4,064	4,047	3,850	3,663	3,739	3,485	3,742
Yorkshire Ambulance Service NHS Trust	2,730	3,017	2,838	2,742	2,676	3,079	2,940	3,214	2,452	3,017	*1,970*	2,973	2,908	2,719	2,685	2,965	2,968	3,201	2,643	2,770
England	**24,136**	**28,784**	**29,528**	**30,406**	**29,372**	**30,829**	**31,289**	**30,197**	**29,989**	**31,395**	***17,122***	**28,202**	**29,376**	**29,919**	**29,462**	**30,401**	**30,972**	**30,853**	**30,169**	**30,841**

	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	2020/21	*2011 (Apr to Dec)*	2012	2013	2014	2015	2016	2017	2018	2019	2020
East Midlands Ambulance Service NHS Trust	95	203	128	129	130	149	156	196	218	184	*35*	212	148	128	138	127	170	181	208	176
East of England Ambulance Service NHS Trust	155	192	200	218	196	293	310	363	302	278	*116*	176	196	226	203	248	316	348	332	274
Isle of Wight NHS Trust	5	8	9	7	15	12	14	13	13	9	*4*	4	12	9	10	13	13	14	13	12
London Ambulance Service NHS Trust	381	390	436	416	388	415	402	419	397	340	*294*	369	420	426	413	400	401	424	410	331
North East Ambulance Service NHS Foundation Trust	108	101	110	74	102	134	182	190	127	127	*80*	113	106	64	112	119	166	194	151	106
North West Ambulance Service NHS Trust	174	256	309	321	311	349	382	308	249	231	*138*	220	310	324	302	337	388	320	276	207
South Central Ambulance Service NHS Foundation Trust	76	162	240	240	189	148	212	262	223	204	*41*	154	220	242	211	152	191	263	230	204
South East Coast Ambulance Service NHS Foundation Trust	129	153	198	233	213	248	209	223	229	218	*86*	153	198	220	230	237	210	214	223	226
South Western Ambulance Service NHS Foundation Trust	216	334	386	360	307	305	340	370	390	372	*150*	321	354	384	310	317	332	357	381	377
West Midlands Ambulance Service NHS Foundation Trust	195	217	253	340	348	339	343	402	399	306	*152*	209	243	316	370	316	343	392	402	333
Yorkshire Ambulance Service NHS Trust	167	238	291	292	248	310	301	329	234	263	*134*	221	270	286	259	290	313	327	249	251
England	**1,701**	**2,254**	**2,560**	**2,630**	**2,447**	**2,702**	**2,851**	**3,075**	**2,781**	**2,532**	***1,230***	**2,152**	**2,477**	**2,625**	**2,558**	**2,556**	**2,843**	**3,034**	**2,875**	**2,497**

Ambulance Service	Proportion discharged from hospital alive % by Financial Year										Proportion discharged from hospital alive % by Calendar Year									
	2011/12	2012/13	2013/14	2014/15	2015/16	2016/17	2017/18	2018/19	2019/20	2020/21	*2011 (Apr to Dec)*	2012	2013	2014	2015	2016	2017	2018	2019	2020
East Midlands Ambulance Service NHS Trust	6.4	6.9	4.9	4.9	5.6	6.1	7.0	7.9	7.8	6.2	*5.1*	7.1	5.5	5.1	5.8	5.2	7.4	7.8	7.3	6.2
East of England Ambulance Service NHS Trust	4.9	6.3	6.5	6.5	6.3	8.4	8.7	10.7	8.4	7.9	*5.0*	5.6	6.6	7.0	6.2	7.6	8.8	10.1	9.3	7.8
Isle of Wight NHS Trust	4.3	8.0	6.8	5.5	10.8	10.8	11.0	10.5	10.6	8.3	*5.2*	3.6	9.9	7.1	7.0	11.8	9.8	11.1	10.5	10.7
London Ambulance Service NHS Trust	9.2	8.8	10.3	9.0	9.0	9.5	9.4	10.8	9.4	7.1	*9.6*	8.6	9.7	9.6	9.4	9.2	9.3	10.5	10.1	7.2
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	6.1	*8.2*	7.0	6.5	4.3	6.5	6.6	8.3	10.2	7.7	5.2
North West Ambulance Service NHS Trust	8.1	7.5	8.8	9.3	9.2	9.3	9.7	8.8	8.4	7.6	*8.9*	7.3	8.5	9.2	9.6	9.3	9.9	8.8	8.8	6.9
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	8.5	*3.9*	14.0	20.7	16.5	14.6	12.4	14.1	14.5	10.8	8.7
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	8.3	*5.7*	6.0	7.3	8.2	8.4	7.9	7.0	7.5	8.7	8.6
South Western Ambulance Service NHS Foundation Trust	6.9	9.0	10.3	9.7	8.9	8.3	8.7	10.2	10.9	12.0	*6.7*	9.0	9.3	10.5	8.9	8.4	8.9	9.6	10.5	11.5
West Midlands Ambulance Service NHS Foundation Trust	8.5	7.5	6.6	8.3	8.6	8.9	9.1	11.5	11.1	8.2	*9.0*	7.3	7.0	7.8	9.1	8.2	9.4	10.5	11.5	8.9
Yorkshire Ambulance Service NHS Trust	6.1	7.9	10.3	10.6	9.3	10.1	10.2	10.2	9.5	8.7	*6.8*	7.4	9.3	10.5	9.6	9.8	10.5	10.2	9.4	9.1
England	**7.0**	**7.8**	**8.7**	**8.6**	**8.3**	**8.8**	**9.1**	**10.2**	**9.3**	**8.1**	***7.2***	**7.6**	**8.4**	**8.8**	**8.7**	**8.4**	**9.2**	**9.8**	**9.5**	**8.1**

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.
Survival to discharge then 30-day survival from Jan 2021

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 (OHCA) Utstein survival rates, by Ambulance Service, England 2011-12 to 2020-21; April 2011 to Dec 2020

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UTSTEIN COHORT ONLY

	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	2020/21	*2011 (Apr to Dec)*	2012	2013	2014	2015	2016	2017	2018	2019	2020
East Midlands Ambulance Service NHS Trust	197	482	308	277	281	338	325	343	377	345	*83*	475	366	271	267	309	373	319	374	354
East of England Ambulance Service NHS Trust	365	388	322	310	313	376	410	415	521	457	*281*	384	317	309	323	349	419	394	527	460
Isle of Wight NHS Trust	24	10	28	27	30	23	27	19	20	9	*16*	15	23	30	25	28	22	24	20	12
London Ambulance Service NHS Trust	536	553	578	518	542	583	571	532	600	526	*399*	535	579	521	556	543	579	551	592	547
North East Ambulance Service NHS Foundation Trust	318	199	133	166	141	219	331	227	246	291	*230*	263	123	146	161	188	303	252	229	302
North West Ambulance Service NHS Trust	252	423	417	395	414	464	551	507	476	447	*193*	362	447	383	394	448	554	517	499	436
South Central Ambulance Service NHS Foundation Trust	176	114	160	399	336	359	422	266	297	327	*99*	169	125	355	356	347	394	300	295	341
South East Coast Ambulance Service NHS Foundation Trust	219	314	300	376	392	370	392	394	396	441	*139*	313	313	337	380	397	389	394	376	453
South Western Ambulance Service NHS Foundation Trust	482	540	568	567	498	528	630	568	607	505	*353*	525	560	585	512	511	587	581	634	519
West Midlands Ambulance Service NHS Foundation Trust	285	315	414	485	489	432	414	472	546	530	*210*	335	379	436	519	434	407	456	516	566
Yorkshire Ambulance Service NHS Trust	332	446	382	301	295	510	531	380	337	407	*236*	428	397	316	328	423	526	434	335	385
England	**3,186**	**3,784**	**3,610**	**3,821**	**3,731**	**4,202**	**4,604**	**4,123**	**4,423**	**4,285**	***2,239***	**3,804**	**3,629**	**3,689**	**3,821**	**3,977**	**4,553**	**4,222**	**4,397**	**4,375**

	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	2020/21	*2011 (Apr to Dec)*	2012	2013	2014	2015	2016	2017	2018	2019	2020
East Midlands Ambulance Service NHS Trust	40	114	55	43	54	72	77	88	107	71	*20*	101	81	39	55	60	88	82	98	83
East of England Ambulance Service NHS Trust	87	97	63	64	74	118	117	162	153	140	*70*	90	71	55	81	96	127	148	165	138
Isle of Wight NHS Trust	4	5	6	6	13	7	9	8	5	1	*3*	4	6	8	9	9	6	10	6	3
London Ambulance Service NHS Trust	167	158	187	163	171	172	182	194	180	146	*123*	158	177	168	187	160	179	188	191	148
North East Ambulance Service NHS Foundation Trust	82	56	43	44	47	75	116	82	58	90	*64*	66	40	36	56	66	104	89	64	84
North West Ambulance Service NHS Trust	54	96	99	90	103	122	140	140	129	106	*45*	73	111	84	100	118	138	140	144	97
South Central Ambulance Service NHS Foundation Trust	18	26	60	118	89	82	133	87	89	67	*10*	27	42	115	100	79	121	93	95	72
South East Coast Ambulance Service NHS Foundation Trust	49	52	64	98	83	93	100	100	107	100	*34*	54	64	87	88	95	98	94	103	101
South Western Ambulance Service NHS Foundation Trust	82	139	166	157	138	126	145	141	179	142	*63*	121	149	177	140	126	138	138	180	144
West Midlands Ambulance Service NHS Foundation Trust	51	46	84	100	120	114	126	156	169	118	*40*	48	78	94	119	107	122	150	166	137
Yorkshire Ambulance Service NHS Trust	69	121	124	123	111	188	152	111	117	97	*49*	120	109	120	131	149	171	126	111	103
England	**703**	**910**	**951**	**1,006**	**1,003**	**1,169**	**1,297**	**1,269**	**1,293**	**1,078**	***521***	**862**	**928**	**983**	**1,066**	**1,065**	**1,292**	**1,258**	**1,323**	**1,110**

Ambulance Service	Proportion discharged from hospital alive % by Financial Year										Proportion discharged from hospital alive % by Calendar Year									
	2011/12	2012/13	2013/14	2014/15	2015/16	2016/17	2017/18	2018/19	2019/20	2020/21	*2011 (Apr to Dec)*	2012	2013	2014	2015	2016	2017	2018	2019	2020
East Midlands Ambulance Service NHS Trust	20.3	23.7	17.9	15.5	19.2	21.3	23.7	25.7	28.4	20.6	*24.1*	21.3	22.1	14.4	20.6	19.4	23.6	25.7	26.2	23.4
East of England Ambulance Service NHS Trust	23.8	25.0	19.6	20.6	23.6	31.4	28.5	39.0	29.4	30.6	*24.9*	23.4	22.4	17.8	25.1	27.5	30.3	37.6	31.3	30.0
Isle of Wight NHS Trust	16.7	50.0	21.4	22.2	43.3	30.4	33.3	42.1	25.0	11.1	*18.8*	26.7	26.1	26.7	36.0	32.1	27.3	41.7	30.0	25.0
London Ambulance Service NHS Trust	31.2	28.6	32.4	31.5	31.5	29.5	31.9	36.5	30.0	27.8	*30.8*	29.5	30.6	32.2	33.6	29.5	30.9	34.1	32.3	27.1
North East Ambulance Service NHS Foundation Trust	25.8	28.1	32.3	26.5	33.3	34.2	35.0	36.1	23.6	30.9	*27.8*	25.1	32.5	24.7	34.8	35.1	34.3	35.3	27.9	27.8
North West Ambulance Service NHS Trust	21.4	22.7	23.7	22.8	24.9	26.3	25.4	27.6	27.1	23.7	*23.3*	20.2	24.8	21.9	25.4	26.3	24.9	27.1	28.9	22.2
South Central Ambulance Service NHS Foundation Trust	10.2	22.8	37.5	29.6	26.5	22.8	31.5	32.7	30.0	20.5	*10.1*	16.0	33.6	32.4	28.1	22.8	30.7	31.0	32.2	21.1
South East Coast Ambulance Service NHS Foundation Trust	22.4	16.6	21.3	26.1	21.2	25.1	25.5	25.4	27.0	22.7	*24.5*	17.3	20.4	25.8	23.2	23.9	25.2	23.9	27.4	22.3
South Western Ambulance Service NHS Foundation Trust	17.0	25.7	29.2	27.7	27.7	23.9	23.0	24.8	29.5	28.1	*17.8*	23.0	26.6	30.3	27.3	24.7	23.5	23.8	28.4	27.7
West Midlands Ambulance Service NHS Foundation Trust	17.9	14.6	20.3	20.6	24.5	26.4	30.4	33.1	31.0	22.3	*19.0*	14.3	20.6	21.6	22.9	24.7	30.0	32.9	32.2	24.2
Yorkshire Ambulance Service NHS Trust	20.8	27.1	32.5	40.9	37.6	36.9	28.6	29.2	34.7	23.8	*20.8*	28.0	27.5	38.0	39.9	35.2	32.5	29.0	33.1	26.8
England	**22.1**	**24.0**	**26.3**	**26.3**	**26.9**	**27.8**	**28.2**	**30.8**	**29.2**	**25.2**	***23.3***	**22.7**	**25.6**	**26.6**	**27.9**	**26.8**	**28.4**	**29.8**	**30.1**	**25.4**

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.

Survival to discharge then 30-day survival from Jan 2021 Utstein: patients who had resuscitation commenced/continued by ambulance service; presumed cardiac-caused OHCA, bystander witnessed; initial rhythm was ventricular fibrillation (VF) or ventricular tachycardia (VT)

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

Table 3.14 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: to 2018-2019 results.
https://www.gov.scot/publications/scottish-out-hospital-cardiac-arrest-data-linkage-project-2018-19-results/
[updated statistics delayed by coronavirus]

bhf.org.uk/statistics

Heart and Circulatory Disease Statistics 2022 - 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	
4.1	Economic and healthcare costs of heart and circulatory disease (CVD), coronary heart disease (CHD) and stroke, UK - 2015
ENGLAND	
4.2	NHS expenditure in £ millions on cardiovascular disease by care setting and condition, England - 2013/14
WALES	
4.3	NHS expenditure on CVD by Health Board, Wales - 2019/20
4.4	Financial Impact of Stroke Admissions by Health Board, Wales - 2016/17
4.5	Financial Impact of Heart Failure Admissions for patients with an Emergency Readmission within 30 days by Health Board, Wales - 2016/17
4.6	Financial Impact of non-ST elevation acute coronary syndrome (NSTEAC) Admissions by Health Board, Wales - 2016/17
NORTHERN IRELAND	
4.7	NHS expenditure on CVD by Health and Social Care Trust, Northern Ireland - 2014/15
SCOTLAND	
4.8	NHS expenditure on CVD by care setting and condition, Scotland - 2011/12
EUROPE	
4.9	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), and stroke pose other costs to society. These include the costs of treating those suffering from CVD, CHD, and stroke, but also 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 costs, €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 2019/20

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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**
Aneurin Bevan LHB	28.5	23.9	104.5	**156.9**	16.9	14.2	62.1	**93.2**	1.3	1.1	4.6	**7.0**
Betsi Cadwaladr UHB	32.3	35.3	113.4	**181.0**	22.6	24.7	79.3	**126.6**	1.4	1.5	4.8	**7.7**
Cardiff & Vale UHB	27.0	20.8	86.7	**134.5**	13.5	10.4	43.4	**67.3**	1.3	1.0	4.2	**6.5**
Cwm Taf Morgannwg UHB	35.2	29.3	115.0	**179.4**	15.8	13.1	51.6	**80.5**	1.5	1.2	4.7	**7.4**
Hywel Dda UHB	38.9	33.0	128.9	**200.8**	15.1	12.8	49.9	**77.8**	1.6	1.4	5.3	**8.3**
Powys Teaching HB	41.7	63.4	139.3	**244.4**	5.5	8.4	18.4	**32.4**	1.7	2.6	5.7	**10.0**
Swansea Bay UHB	32.9	35.7	124.4	**193.1**	12.8	13.9	48.6	**75.4**	1.4	1.5	5.3	**8.2**
Wales	**32.4**	**30.9**	**112.1**	**175.4**	**102.2**	**97.5**	**353.3**	**553.1**	**1.4**	**1.3**	**4.9**	**7.6**

Notes:

2019/20 = first year of data for Swansea Bay and Cwm Taf Morgannwg UHBs

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:

Public Health Wales, NHS expenditure by programme budget category (accessed Jan 2022)

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			Total costs	Hospital Sector				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**		Acute Services	Geriatric Long Stay	A&E and outpatient services	**Total Hospital Sector**	Pharmaceutical Services	General Medical Services	**Total Family Health Services**	
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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original order		*Healthcare cost by country (£k)*																	*CVD/ Total*	*cost per person/capita (£)*		
		Coronary Heart Disease						**Stroke**						**Heart & Circulatory Diseases (CVD)**						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**	%	£	£	£
	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 as of 2015; the United Kingdom us no longer a member state

Source:

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

NB the latest edition does not update CVD costs

BHF Heart Statistics

Heart and Circulatory Disease Statistics 2022 - Chapter 5 - Risk Factors

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5.18	Levels of air pollution (fine particulate matter; PM2.5) by nation and region, United Kingdom 2019 & 2020
GLOBAL IMPACT OF RISK FACTORS ON HEART AND CIRCULATORY DISEASES	
5.19	Heart and circulatory diseases (CVD), coronary heart disease (CHD), and stroke (CBVD) deaths and DALYs attributable to modifiable risk factors - global estimates, 2019

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 and attributable totals (k)											estimated burden - UK DALYs								
		Heart and circulatory diseases (CVD)			*2019 deaths (k)*	Coronary heart disease (CHD)			*2019 deaths (k)*	Stroke (CBVD)			*2019 deaths (k)*	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%	82.8	49.7%	47.8%	48.2%	45.0	44.3%	42.6%	43.0%	21.8	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%	63.7	56.4%	56.5%	56.6%	52.8	19.3%	19.4%	19.4%	9.8	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%	49.2	31.9%	35.0%	36.2%	33.8	25.6%	27.8%	29.0%	14.7	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%	48.0	44.6%	44.2%	43.9%	41.0	14.5%	14.0%	13.8%	7.0	28.3%	26.9%	26.6%	49.1%	48.7%	48.1%	13.5%	13.1%	13.0%
	High body-mass index (obesity and excess weight)	16.4%	16.3%	16.6%	31.3	20.5%	20.5%	20.8%	19.4	14.1%	13.8%	14.2%	7.2	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%	28.6	24.3%	20.9%	20.2%	18.9	15.1%	12.6%	12.1%	6.1	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%	14.2	12.7%	12.5%	12.5%	11.7	4.8%	4.5%	4.5%	2.3	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%	13.7	7.4%	6.7%	7.0%	6.5	13.9%	13.3%	13.5%	6.8	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%	10.8	8.6%	8.8%	8.7%	8.1	5.4%	5.3%	5.2%	2.6	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%	7.1	7.2%	5.5%	5.1%	4.7	6.8%	5.2%	4.7%	2.4	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%	2.2	1.6%	1.5%	1.3%	1.3	1.3%	1.2%	1.1%	0.6	1.3%	1.2%	1.0%	1.5%	1.3%	1.2%	1.3%	1.2%	1.1%
	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

Annual attributable deaths rounded to thousands.

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

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

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 January 2022]

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 attributable deaths (annual k)			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)	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%	65.7	35.6	16.9	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%	51.7	42.9	7.9	34.7%	59.1%	22.5%
	High fasting plasma glucose (diabetes)	26.4%	37.0%	29.4%	40.5	28.0	11.9	25.3%	36.2%	30.4%
	High LDL (bad) cholesterol	25.3%	44.0%	13.7%	38.8	33.2	5.6	26.3%	48.2%	12.8%
	High body-mass index (obesity and excess weight)	16.4%	20.5%	14.0%	25.1	15.5	5.6	21.9%	26.1%	24.2%
	Tobacco (cigarette smoking, second-hand smoke)	14.7%	19.6%	11.7%	22.5	14.8	4.7	20.1%	27.3%	17.6%
	Impaired kidney function (renal failure)	7.5%	12.5%	4.5%	11.4	9.4	1.8	6.3%	10.4%	4.6%
	Non-optimal (low/high) temperature	7.2%	7.0%	13.4%	11.0	5.3	5.4	6.2%	6.7%	11.5%
	Low physical activity (inactivity, sedentary behaviour)	5.3%	8.2%	4.8%	8.1	6.2	1.9	4.2%	7.0%	3.7%
	Air pollution (particulate matter)	4.0%	5.4%	5.1%	6.2	4.1	2.1	4.9%	6.8%	6.6%
	Other environmental risks (e.g. lead exposure)	1.0%	1.1%	0.9%	1.5	0.8	0.4	0.8%	1.0%	0.8%
	Other risk factors/unknown	*21.5%*	*6.5%*	*20.7%*				*20.1%*	*5.3%*	*17.5%*

Notes

Annual attributable deaths rounded to thousands.

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

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

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 January 2022]

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 attributable deaths (annual k)			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)	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%	9.5	5.2	2.8	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%	6.7	5.6	1.1	36.5%	59.1%	21.1%
	High fasting plasma glucose (diabetes)	28.3%	36.6%	30.0%	5.5	3.6	1.8	27.1%	34.9%	30.8%
	High LDL (bad) cholesterol	26.8%	43.6%	14.2%	5.2	4.3	0.8	28.3%	47.8%	13.9%
	High body-mass index (obesity and excess weight)	19.1%	23.6%	15.7%	3.7	2.3	0.9	25.2%	29.4%	25.8%
	Tobacco (cigarette smoking, second-hand smoke)	18.5%	24.1%	14.3%	3.6	2.4	0.8	24.5%	32.0%	20.7%
	Impaired kidney function (renal failure)	8.2%	12.7%	5.0%	1.6	1.3	0.3	7.1%	10.7%	5.4%
	Non-optimal (low/high) temperature	8.0%	6.9%	13.9%	1.5	0.7	0.8	6.9%	6.8%	11.2%
	Low physical activity (inactivity, sedentary behaviour)	5.9%	8.4%	5.3%	1.1	0.8	0.3	4.8%	7.1%	4.2%
	Air pollution (particulate matter)	2.1%	2.6%	2.4%	0.4	0.3	0.1	2.5%	3.2%	3.0%
	Other environmental risks (e.g. lead exposure)	2.0%	2.2%	1.9%	0.4	0.2	0.1	1.9%	2.1%	1.9%
	Other risk factors/unknown	*16.9%*	*5.5%*	*17.8%*				*15.7%*	*4.5%*	*15.1%*

Notes

Annual attributable deaths rounded to thousands.

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

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

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. Global Burden of Disease Study 2019 (GBD 2019) Results. Seattle, United States: Institute for Health Metrics and Evaluation (IHME), 2020. http://ghdx.healthdata.org/gbd-results-tool [accessed January 2022]

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 attributable deaths (annual)			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)	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%	5,000	2,800	1,300	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%	3,500	2,900	530	35.5%	58.4%	22.2%
	High LDL (bad) cholesterol	26.7%	45.2%	14.5%	2,800	2,400	410	28.0%	49.1%	13.7%
	High fasting plasma glucose (diabetes)	19.8%	27.0%	22.0%	2,100	1,400	620	18.3%	24.8%	21.9%
	Tobacco (cigarette smoking, second-hand smoke)	16.3%	21.6%	12.7%	1,700	1,100	360	22.2%	29.6%	19.0%
	High body-mass index (obesity and excess weight)	15.6%	19.6%	13.4%	1,600	1,000	380	20.9%	24.8%	22.9%
	Low physical activity (inactivity, sedentary behaviour)	9.9%	14.6%	9.5%	1,000	780	270	8.0%	12.3%	7.3%
	Impaired kidney function (renal failure)	7.7%	12.5%	4.8%	810	660	130	6.7%	10.6%	5.1%
	Non-optimal (low/high) temperature	7.3%	6.8%	13.7%	770	360	390	6.4%	6.6%	11.4%
	Air pollution (particulate matter)	3.5%	4.6%	4.3%	370	240	120	4.2%	5.6%	5.4%
	Other environmental risks (e.g. lead exposure)	2.4%	2.8%	2.4%	260	150	70	2.3%	2.6%	2.3%
	Other risk factors/unknown	*19.6%*	*6.2%*	*19.1%*				*18.1%*	*5.1%*	*16.5%*

Notes

Annual attributable deaths rounded to thousands.

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

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

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 January 2022]

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 attributable deaths (annual)			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)	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%	2,600	1,440	720	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%	1,800	1,450	300	36.3%	58.0%	22.9%
	High LDL (bad) cholesterol	24.7%	40.8%	12.3%	1,200	1,060	180	26.2%	45.4%	11.6%
	High fasting plasma glucose (diabetes)	23.6%	30.9%	25.3%	1,200	800	370	21.3%	28.2%	24.8%
	High body-mass index (obesity and excess weight)	17.2%	21.2%	14.5%	860	550	210	23.0%	27.0%	24.6%
	Tobacco (cigarette smoking, second-hand smoke)	15.5%	20.3%	12.0%	780	530	170	21.5%	28.3%	18.3%
	Low physical activity (inactivity, sedentary behaviour)	8.5%	12.1%	7.7%	430	320	110	6.8%	10.2%	5.8%
	Non-optimal (low/high) temperature	7.8%	6.9%	14.0%	390	180	200	6.7%	6.6%	12.0%
	Impaired kidney function (renal failure)	7.7%	12.1%	4.7%	390	310	70	6.6%	10.1%	4.9%
	Air pollution (particulate matter)	3.1%	4.0%	3.7%	160	100	50	3.7%	4.8%	4.7%
	Other environmental risks (e.g. lead exposure)	1.4%	1.5%	1.3%	70	40	20	1.2%	1.4%	1.2%
	Other risk factors/unknown	*17.9%*	*6.0%*	*18.3%*				*16.8%*	*4.9%*	*15.8%*

Notes

Annual attributable deaths rounded to thousands.

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

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

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 January 2022]

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

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

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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	*19*	5	*49*
35-44	13	*480*	9	*310*	11	*790*	9	*30*	12	*42*	12	*70*
45-54	29	*1,070*	22	*830*	25	*1,900*	33	*120*	18	*70*	29	*190*
55-64	48	*1,640*	33	*1,150*	40	*2,800*	49	*180*	42	*160*	45	*340*
65-74	58	*1,570*	51	*1,500*	54	*3,050*	62	*170*	58	*180*	59	*350*
75+	68	*1,420*	65	*1,800*	66	*3,250*	63	*120*	78	*210*	70	*340*
All Adults	**30**	***6,500***	**25**	***5,800***	**28**	***12,300***	**31**	***660***	**29**	***680***	**31**	***1,340***

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-2020 estimates published by age, sex and nation by the Office for National Statistics (2021).

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 sex, 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	*45*
35-44	10	*360*	6	*230*	10	*590*	8	*27*	10	*35*	9	*60*
45-54	18	*680*	12	*470*	11	*1,150*	22	*80*	15	*58*	19	*140*
55-64	22	*740*	13	*470*	18	*1,200*	35	*130*	23	*90*	28	*220*
65-74	20	*550*	19	*560*	18	*1,100*	23	*65*	27	*80*	25	*150*
75+	14	*300*	19	*530*	16	*840*	24	*47*	35	*100*	30	*140*
All Adults	**14**	***2,850***	**11**	***2,450***	**12**	***5,300***	**18**	***380***	**16**	***380***	**17**	***760***

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-2020 estimates published by age, sex and nation by the Office for National Statistics (2021).

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 sex, 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	*100*	2	*210*	3	*10*	3	*10*	3	*20*
45-54	9	*340*	4	*140*	8	*480*	8	*30*	4	*15*	6	*44*
55-64	13	*440*	9	*320*	10	*760*	15	*55*	6	*23*	11	*80*
65-74	21	*550*	12	*340*	15	*890*	17	*50*	9	*28*	13	*75*
75+	18	*380*	15	*420*	18	*810*	18	*35*	13	*36*	15	*70*
All Adults	**9**	***1,900***	**6**	***1,350***	**7**	***3,270***	**9**	***190***	**5**	***120***	**7**	***310***

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

All population figures are health survey results applied to mid-2020 estimates published by age, sex and nation by the Office for National Statistics (2021).

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

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Nation/Region	Diabetes Register	
	Patients	Aged 17+ %
East Midlands	311,097	7.5
East of England	368,266	6.9
London	563,012	6.7
North East England	177,927	7.8
North West England	467,560	7.3
South East England	511,804	6.5
South West England	335,472	6.9
West Midlands	405,615	8.0
Yorkshire and The Humber	352,131	7.5
England	3,492,884	7.1
Scotland	295,970	n/a
Wales	204,326	7.8
Northern Ireland	105,130	6.6
UK	**4,098,310**	n/a

Notes:

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.
BHF analysis - adjustments have been made for England & Scotland where active practices did not file patient register numbers in the latest available year.

Source:

England - NHS Digital. Quality & Outcomes Framework (QOF) prevalence data 2020/21
https://digital.nhs.uk/data-and-information/publications/statistical/quality-and-outcomes-framework-achievement-prevalence-and-exceptions-data/2020-21
Wales - StatsWales. Quality Assurance and Improvement Framework (QAIF) disease registers 2019/20
https://statswales.gov.wales/Catalogue/Health-and-Social-Care/NHS-Primary-and-Community-Activity/GMS-Contract
Scotland - Public Health Scotland. GP prevalence data 2018/19
https://beta.isdscotland.org/find-publications-and-data/health-services/primary-care/general-practice-disease-prevalence-data-visualisation/
Northern Ireland - Department of Health, Quality & Outcomes Framework (QOF) prevalence data 2020/21
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 sex, England, 2019

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	England 2019					
	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	*960*	29	*2,300*
35-44	53	*1,900*	37	*1,300*	45	*3,200*
45-54	55	*2,000*	59	*2,200*	57	*4,300*
55-64	52	*1,800*	66	*2,300*	59	*4,100*
65-74	37	*990*	62	*1,800*	50	*2,800*
75+	19	*400*	49	*1,400*	35	*1,700*
All Adults	**40**	***8,900***	**45**	***10,500***	**43**	***19,400***

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-2020 estimates published by age, sex and nation by the Office for National Statistics (2021).

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 sex, England, Scotland, Wales, Northern Ireland and UK, latest

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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	80	31	50	37	130	36	38	39	38	37	75	37	1,320	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	4,700	70	230	64	220	67	460	70	120	56	100	63	230	76	90	56	70	66	160	69	2,840	61	2,600	64	5,600
45-54	79	2,900	67	2,550	73	5,500	74	270	65	250	69	520	76	150	65	140	70	290	82	100	70	90	76	190	79	3,420	67	3,030	72	6,500
55-64	79	2,700	66	2,300	72	5,000	78	280	69	270	73	550	76	160	60	130	68	280	82	95	62	75	72	170	79	3,240	66	2,800	72	6,000
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	65	78	135	81	2,630	69	2,400	74	5,000
75+	74	1,600	69	1,900	71	3,500	77	150	66	180	71	330	62	80	51	90	56	170	69	43	58	50	63	95	74	1,870	68	2,200	69	4,100
All Adults	**68**	***15,200***	**60**	***14,100***	**64**	***29,400***	**69**	***1,520***	**63**	***1,490***	**66**	***3,000***	**67**	***840***	**55**	***720***	**61**	***1,560***	**71**	***520***	**60**	***460***	**65**	***980***	**68**	***18,100***	**60**	***16,800***	**64**	***35,000***

Notes: Overweight = BMI 25 to less than 30kg/m^2. Obese = BMI 30kg/m^2 or more (includes morbidly obese). Wales uses self-reported data.

All population figures are health survey results applied to mid-2020 estimates published by age, sex and nation by the Office for National Statistics (2021).

UK percentages are population-weighted averages based on data from all four nations, where available. Some totals may not add up due to rounding.

Some surveys suspended during coronavirus pandemic - data have been published in some nations but using different methodologies, so may not feature here - see sources for details

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 sex, England, Scotland, Wales, Northern Ireland and UK, latest

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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	770	14	40	21	60	17	100	15	27	11	18	13	50	12	13	15	15	14	28	14	510	13	440	13	950
25-34	19	730	26	980	23	1,700	21	80	29	110	25	190	29	60	28	56	28	110	21	26	28	35	25	62	20	900	26	1,200	23	2,100
35-44	27	970	33	1,200	30	2,200	30	100	32	110	31	210	26	46	26	47	26	90	30	35	24	30	27	65	27	1,200	32	1,400	29	2,600
45-54	32	1,200	35	1,330	33	2,500	34	120	29	110	31	230	27	54	27	60	27	110	35	43	34	44	34	86	32	1,400	34	1,500	33	2,900
55-64	34	1,160	33	1,170	34	2,400	33	120	32	120	32	240	35	70	28	60	32	130	32	37	28	34	30	71	34	1,400	33	1,400	34	2,800
65-74	38	1,020	34	990	36	2,000	42	120	32	100	37	220	28	49	25	47	26	90	38	32	32	28	35	60	38	1,200	33	1,200	36	2,400
75+	23	480	28	770	26	1,300	30	60	33	90	32	150	19	25	18	31	18	55	27	17	27	23	27	40	24	580	28	910	26	1,500
All Adults	**27**	**6,000**	**29**	**6,800**	**28**	**12,800**	**29**	**640**	**30**	**700**	**29**	**1,340**	**26**	**330**	**24**	**320**	**25**	**650**	**28**	**200**	**27**	**210**	**27**	**410**	**27**	**7,200**	**29**	**8,000**	**28**	**15,200**

Notes: Obese = BMI 30kg/m^2 or more (includes morbidly obese). Wales uses self-reported data.

All population figures are health survey results applied to mid-2020 estimates published by age, sex and nation by the Office for National Statistics (2021).

UK percentages are population-weighted averages based on data from all four nations, where available. Some totals may not add up due to rounding.

Some surveys suspended during coronavirus pandemic - data have been published in some nations but using different methodologies, so may not feature here - see sources for details

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 Prevalence of obesity and overweight in children by sex, England, Scotland, Northern Ireland and UK, latest

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Nation	OBESITY			OVERWEIGHT			OBESE or OVERWEIGHT		
	Boys %	Girls %	All %	Boys %	Girls %	All %	Boys %	Girls %	All %
England	20	13	16	12	15	14	32	28	30
Scotland	17	14	16	15	13	14	32	27	30
Northern Ireland	5	7	6	20	19	20	25	27	26
Wales #									
UK Children Aged 2-15	19	13	16	13	15	14	32	28	30

Notes: Overweight defined as at or above the UK 85th but below the 95th percentile; obese defined as at or above the 95th percentile.

UK estimate is a population-weighted average based on data from each nation, where available.

Wales no longer publish comparable data (since demise of Health Survey for Wales; last edition 2015) - England & Wales have a National Child Measurement Programme (age coverage varies)

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.

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

Table 5.14 Percentage of adults NOT meeting physical activity recommendations by age and sex, England, Scotland, Wales, Northern Ireland and UK, latest

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	England 2020/21						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					32	1,900	23	70	34	100	28	160	33	60	45	75	39	130
25-34					35	2,700	17	60	29	110	23	170	36	75	48	100	43	170
35-44					36	2,600	23	80	30	100	26	180	37	65	45	80	41	150
45-54					35	2,600	26	90	31	120	29	210	36	70	48	100	42	170
55-64					38	2,700	33	120	41	160	37	280	49	100	50	110	49	210
65-74					41	2,300	38	110	52	160	45	270	43	75	51	95	48	170
75+					61	2,900	59	120	69	190	65	310	64	85	73	130	69	210
All Adults	38	8,500	40	9,500	39	18,000	29	650	39	930	34	1,580	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	55	38	90
55-64	51	60	55	70	53	130
65-74	51	40	65	60	59	100
75+	86	55	92	80	90	130
All Adults	39	290	49	370	45	660

	UK latest					
	Men		Women		All	
Age	%	(000)s	%	(000)s	%	(000)s
16-24					32	2,200
25-34					35	3,100
35-44					36	3,000
45-54					35	3,100
55-64					38	3,300
65-74					41	2,800
75+					61	3,600
All Adults	38	10,000	40	11,000	39	21,000

Notes: Guidelines are for at least 150 minutes moderate or 75 minutes vigorous activity per week or an equivalent combination.

All population figures are health survey results applied to mid-2020 estimates published by age, sex and nation by the Office for National Statistics (2021).

UK percentages are population-weighted averages based on data from all four nations, where consistent and available. Totals may not add up due to rounding.

Some surveys suspended during coronavirus pandemic - data have been published in some nations but using different methodologies, so may not feature here - see sources for details

Source: Sport England (2021). Active Lives Survey May 20 - May 21 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 5.15 Prevalence of cigarette smoking among adults by age and sex, England, Scotland, Wales, Northern Ireland and UK, latest

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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	*16*	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	*28*	21	*26*	22	*50*	27	*1,250*	22	*960*	25	*2,200*
35-44	21	*740*	16	*580*	18	*1,300*	24	*80*	20	*70*	22	*150*	24	*42*	18	*33*	21	*80*	20	*24*	18	*22*	19	*50*	21	*890*	17	*710*	19	*1,600*
45-54	20	*740*	12	*450*	16	*1,200*	23	*80*	20	*80*	21	*160*	21	*42*	20	*42*	20	*80*	22	*27*	17	*22*	19	*50*	20	*890*	17	*590*	17	*1,500*
55-64	15	*510*	15	*510*	15	*1,000*	19	*70*	15	*60*	17	*130*	18	*37*	15	*32*	17	*70*	19	*22*	18	*22*	18	*40*	16	*640*	15	*620*	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	*12*	13	*22*	9	*310*	10	*410*	10	*710*
75+	6	*130*	6	*150*	6	*290*	8	*15*	7	*20*	7	*35*	6	*8*	8	*14*	7	*20*	12	*7*	7	*6*	9	*13*	6	*160*	6	*190*	6	*360*
All Adults	**18**	***4,100***	**15**	***3,400***	**16**	***7,500***	**19**	***400***	**16**	***380***	**17**	***780***	**18**	***240***	**17**	***220***	**18**	***460***	**18**	***130***	**16**	***130***	**17**	***260***	**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 are rounded and as a result may not add up.

All population figures are health survey results applied to mid-2020 estimates published by age, sex and nation by the Office for National Statistics (2021).

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

Full surveys suspended during coronavirus pandemic - data have been published in some nations but using different methodologies, so do not feature here - see sources for details

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 (latest published in July 2020 with 2019 fieldwork)
https://www.ons.gov.uk/peoplepopulationandcommunity/healthandsocialcare/healthandlifeexpectancies/bulletins/adultsmokinghabitsingreatbritain/2019

Table 5.16 Percentage of adults exceeding weekly alcohol consumption guidelines by age and sex, England, Scotland, Wales, Northern Ireland and UK, latest

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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.

Full surveys suspended during coronavirus pandemic - data have been published in some nations but using different methodologies, so do not feature here - see sources for details

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 5.17 Percentage of adults NOT meeting 5-a-day fruit and vegetable recommendations by age and sex, England, Scotland, Wales, Northern Ireland and UK, latest

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	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.

Full surveys suspended during coronavirus pandemic - data have been published in some nations but using different methodologies, so do not feature here - see sources for details

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 5.18 Levels of Air Pollution (fine particulate matter; $PM_{2.5}$) by nation and region, United Kingdom 2019 & 2020

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Nation/Region	$PM_{2.5}$ (anthropogenic)	
	2019	2020
East Midlands	9.4	6.5
East of England	9.7	7.2
London	11.4	8.9
North East England	6.2	4.8
North West England	7.9	6.1
South East England	9.1	7.4
South West England	7.3	6.2
West Midlands	9.4	6.7
Yorkshire and The Humber	8.4	6.1
England	9.0	6.9
Scotland	5.2	3.7
Wales	6.9	5.4
Northern Ireland	5.5	5.0
UK	8.5	6.5

Notes:

Population-weighted annual mean $PM_{2.5}$ concentration for 2019 & 2020 (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. 2020 pollution levels reduced by coronavirus (lower economic activity)

Source:

Department for Environment Food & Rural Affairs (Defra) (2021). UK Air Information Resource
https://uk-air.defra.gov.uk/data/pcm-data

Table 5.19 Heart and circulatory diseases (CVD), coronary heart disease (CHD), and stroke (CBVD) deaths and DALYs attributable to modifiable risk factors, global, 2019

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Reset to Published Order	RISK FACTOR (% attributable)	2019 estimated burden - GLOBAL DEATHS			attributable global deaths (annual m)			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)	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%	10.0	4.9	3.4	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%	6.9	4.9	1.7	39.0%	57.1%	30.6%
	High LDL (bad) cholesterol	23.7%	41.4%	9.4%	4.4	3.8	0.6	25.1%	46.6%	9.6%
	High fasting plasma glucose	20.3%	25.8%	21.2%	3.8	2.4	1.4	18.5%	23.8%	20.2%
	Air pollution (particulate matter)	19.1%	20.2%	26.0%	3.5	1.8	1.7	22.6%	24.9%	30.4%
	High body-mass index (obesity and excess weight)	17.4%	18.2%	16.6%	3.2	1.7	1.1	22.1%	22.7%	24.3%
	Tobacco (cigarette smoking, second-hand smoke)	17.2%	21.9%	16.8%	3.2	2.0	1.1	21.1%	27.9%	20.6%
	Impaired kidney function (renal failure)	9.3%	13.4%	7.7%	1.7	1.2	0.5	8.8%	12.4%	8.3%
	Non-optimal temperature (high/low)	6.4%	6.5%	8.0%	1.2	0.6	0.5	5.5%	6.1%	6.6%
	Other environmental risks (e.g. lead exposure)	4.6%	4.5%	4.7%	0.8	0.4	0.3	4.5%	4.6%	4.7%
	Low physical activity (inactivity, sedentary behaviour)	3.4%	5.3%	2.3%	0.6	0.5	0.2	2.5%	4.2%	1.7%
	Other risk factors/unknown	*14.0%*	*6.5%*	*15.0%*				*14.2%*	*5.5%*	*13.0%*

Notes

Annual attributable deaths rounded and presented in millions.

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

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

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 January 2022]

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