

The epidemiology of cardiovascular disease in the UK 2014 - Supplementary files

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Table 1 Deaths by cause, sex and age, United Kingdom 2012.

		All ages	Under 35	35-44	45-54	55-64	65-74	75-84	85+
All causes	MEN	273,347	7,452	6,279	13,625	28,214	54,073	86,332	77,372
	WOMEN	295,677	4,235	3,726	9,449	19,534	38,960	81,794	137,979
	Total	569,024	11,687	10,005	23,074	47,748	93,033	168,126	215,351
All diseases of the circulatory system (I00-I99)	MEN	79,050	476	1,163	3,603	7,631	15,224	26,349	24,604
	WOMEN	82,202	247	518	1,351	3,141	8,388	24,058	44,499
	Total	161,252	723	1,681	4,954	10,772	23,612	50,407	69,103
Chronic rheumatic heart diseases (I05-I09)	MEN	381	2	5	12	35	66	145	116
	WOMEN	850	4	6	17	41	118	324	340
	Total	1,231	6	11	29	76	184	469	456
Hypertensive diseases (I10-I15)	MEN	2,275	10	44	121	257	437	691	715
	WOMEN	3,267	4	14	50	135	351	832	1,881
	Total	5,542	14	58	171	392	788	1,523	2,596
Coronary heart disease (I20-I25)	MEN	42,819	119	596	2,250	5,033	9,256	14,129	11,436
	WOMEN	30,861	27	151	505	1,383	3,770	9,537	15,488
	Total	73,680	146	747	2,755	6,416	13,026	23,666	26,924
Other heart diseases (I26-I52)	MEN	10,614	221	236	489	778	1,516	3,162	4,212
	WOMEN	15,195	119	137	223	451	1,176	3,880	9,209

	Total	25,809	340	373	712	1,229	2,692	7,042	13,421
Stroke (I60-I69)	MEN	16,196	80	174	477	934	2,438	5,774	6,319
	WOMEN	25,202	56	131	394	824	2,073	7,100	14,624
	Total	41,398	136	305	871	1,758	4,511	12,874	20,943
Diseases of arteries, arterioles and capillaries (I70-I79)	MEN	5,367	19	47	129	345	1,160	2,075	1,592
	WOMEN	4,790	11	18	48	134	582	1,713	2,284
	Total	10,157	30	65	177	479	1,742	3,788	3,876
Diseases of veins, lymphatic vessels and lymph nodes not classified elsewhere (I80-I89)	MEN	1,380	25	61	125	248	350	371	200
	WOMEN	2,013	25	61	114	173	318	667	655
	Total	3,393	50	122	239	421	668	1,038	855
Cancer (C00-D48)	MEN	87,061	654	1,045	4,026	12,195	23,739	29,070	16,332
	WOMEN	78,757	710	1,491	4,838	10,653	18,402	24,099	18,564
	Total	165,818	1,364	2,536	8,864	22,848	42,141	53,169	34,896
Colo-rectal cancer (C18-C21)	MEN	8,918	32	115	447	1,288	2,295	3,051	1,690
	WOMEN	7,594	51	110	361	850	1,493	2,413	2,316
	Total	16,512	83	225	808	2,138	3,788	5,464	4,006
Lung cancer (C33,C34)	MEN	19,333	13	129	781	3,100	6,238	6,392	2,680
	WOMEN	16,086	17	108	698	2,520	4,762	5,251	2,730
	Total	35,419	30	237	1,479	5,620	11,000	11,643	5,410

All other causes	MEN	50,134	5,973	3,732	5,104	5,607	6,985	11,085	11,648
	WOMEN	54,397	3,008	1,480	2,631	3,563	5,572	12,306	25,837
	Total	113,390	8,981	5,212	7,747	9,290	13,096	26,135	42,929

Notes: ICD-10 codes in parentheses. This table compiles data from the four countries of the UK. In Northern Ireland, the data for Lung Cancer only includes ICD-10 code C34.

Source: England and Wales, Office for National Statistics (2014) Deaths registered by cause, sex and age. www.statistics.gov.uk (accessed January 2014); Scotland, National Records of Scotland (2014) Deaths, by sex, age and cause. www.gro-scotland.gov.uk (accessed January 2014); Northern Ireland, Statistics and Research Agency (2014) Registrar General Annual Report. NISRA: Belfast.

Table 2 Deaths by cause, by sex and age, England, Wales, Scotland, Northern Ireland and United Kingdom 2012

		All ages					Under 75				
		England	Wales	Scotland	Northern Ireland	United Kingdom	England	Wales	Scotland	Northern Ireland	United Kingdom
All causes	MEN	224,460	15,172	26,015	7,094	273,347	87,986	6,132	11,938	3,140	109,643
	WOMEN	242,319	16,330	28,922	7,662	295,677	60,721	4,298	8,508	2,090	75,904
	Total	466,779	31,502	54,937	14,756	569,024	148,707	10,430	20,446	5,230	85,547
All diseases of the circulatory system (I00-I99)	MEN	64,659	,608	7,610	1,924	79,050	22,437	1,614	3,127	748	28,097
	WOMEN	67,000	4,688	8,279	2,077	82,202	10,821	807	1,610	320	13,645
	Total	131,659	9,296	15,889	4,001	161,252	33,258	2,421	4,737	1,068	41,742
Chronic rheumatic heart diseases (I05-I09)	MEN	329	19	26	4	381	97	9	10	3	120
	WOMEN	697	60	72	17	850	140	13	26	5	186
	Total	1,026	79	98	21	1,231	237	22	36	8	306
Hypertensive diseases (I10-I15)	MEN	1,895	126	207	38	2,275	692	53	101	16	869
	WOMEN	2,740	187	265	68	3,267	461	28	55	7	554
	Total	4,635	313	472	106	5,542	1,153	81	156	23	1,423
Coronary heart disease (I20-I25)	MEN	34,726	2,554	4,258	1,138	42,819	13,638	995	2,015	500	17,254
	WOMEN	24,904	1,776	3,283	837	30,861	4,509	388	738	163	5,836
	Total	59,630	4,330	7,541	1,975	73,680	18,147	1,383	2,753	663	23,090

Other heart diseases (I26-I52)	MEN	8,851	602	903	237	10,614	2,641	175	330	83	3,240
	WOMEN	12,624	861	1,316	366	15,195	1,729	106	223	36	2,106
	Total	21,475	1,463	2,219	603	25,809	4,370	281	553	119	5,346
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Stroke (I60-I69)	MEN	13,145	929	1,686	394	16,196	3,248	261	463	106	4,103
	WOMEN	20,312	1,381	2,789	683	25,202	2,751	189	433	81	3,478
	Total	33,457	2,310	4,475	1,077	41,398	5,999	450	896	187	7,581
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Diseases of arteries, arterioles and capillaries (I70-I79)	MEN	4,480	308	457	98	5,367	1,419	85	155	27	1,700
	WOMEN	3,908	304	471	89	4,790	634	44	91	16	793
	Total	8,388	612	928	187	10,157	2,053	129	246	43	2,493
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Diseases of veins, lymphatic vessels and lymph nodes* (I80-I89)	MEN	1,217	70	71	15	1,380	701	36	52	13	809
	WOMEN	1,794	119	80	17	2,013	596	39	44	12	691
	Total	3,011	189	151	32	3,393	1,297	75	96	25	1,500
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All other cardiovascular conditions (I95-I99, I00- I04, I16-I19, I53-I59, I90-I94)	MEN	16	0	2	0	18	2	0	1	0	2
	WOMEN	21	0	3	0	24	0	0	0	0	1
	Total	37	0	5	0	42	2	0	1	0	3
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Cancer (C00-D48)	MEN	71,892	4,637	8,134	2,232	87,061	33,954	2,262	4,161	1,174	41,659
	WOMEN	64,275	4,275	8,029	2,028	78,757	29,248	1,983	3,790	972	36,094
	Total	136,167	8,912	16,163	4,260	165,818	63,202	4,245	7,951	2,146	77,753

Diabetes (E10-E14)	MEN	2,188	150	407	86	3,625	754	53	195	27	1,524
	WOMEN	2,428	156	347	88	4,013	487	33	115	22	1,110
	Total	4,616	306	754	174	7,638	1,241	86	310	49	2,634
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Dementia and Alzheimer's (F01-03, G30)	MEN	13,154	823	1,385	435	15,804	987	71	133	51	1,243
	WOMEN	28,033	1,836	3,224	985	34,082	1,026	90	156	46	1,318
	Total	41,187	2,659	4,609	1,420	49,886	2,013	161	289	97	2,561
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All other causes	MEN	41,290	2,788	5,246	1,440	50,134	21,961	1,568	3,323	2,332	27,401
	WOMEN	45,805	2,938	5,108	1,438	54,397	13,228	944	1,902	1,983	16,254
	Total	87,095	5,726	10,354	2,878	113,390	35,189	2,512	5,225	4,315	44,326

Notes: ICD-10 codes in parentheses; *Not classified elsewhere; This table compiles data from the four countries of the UK. In Northern Ireland, the data for Lung Cancer only includes ICD-10 code C34; The four countries in this table do not always add up to the United Kingdom totals, as the separate England and Wales figures are only for people who were residing in the country at the time of death; therefore the mortality figures for England and Wales separately are lower than the published mortality figures for England and Wales together.

Source: England and Wales, Office for National Statistics (2014) Deaths registered by cause, sex and age. www.statistics.gov.uk (accessed January 2014); Scotland, National Records of Scotland (2014) Deaths, by sex, age and cause. www.gro-scotland.gov.uk (accessed January 2014); Northern Ireland, Statistics and Research Agency (2014) Registrar General Annual Report. NISRA: Belfast.

Table 3 Numbers of deaths and age-standardised death rates from cardiovascular disease (CVD) in men and women, all ages and under 75, by government office region, United Kingdom 2010/12

	All ages						Under 75					
	Age-standardised death rates/100,000			Average numbers of CVD deaths per year 2010 to 2012			Age-standardised death rates/100,000			Average numbers of CVD deaths per year 2010 to 2012		
	Men	Women	Both	Men	Women	Both	Men	Women	Both	Men	Women	Both
UK	358.19	246.37	296.36	81,680	84,541	166,222	109.18	48.68	77.98	29,423	13,854	43,277
ENGLAND	350.03	240.16	289.36	67,137	69,253	136,391	105.51	46.59	75.17	23,714	11,018	34,732
North East	368.66	248.55	301.74	3,599	3,567	7,166	119.00	54.12	85.46	1,400	677	2,077
Yorkshire and The Humber	384.54	258.60	314.12	7,299	7,376	14,675	118.71	52.56	84.67	2,709	1,265	3,974
North West	386.97	266.93	320.51	9,798	10,036	19,834	124.89	58.55	90.79	3,853	1,897	5,750
East Midlands	354.93	241.90	292.90	6,082	6,010	12,092	106.30	47.74	76.48	2,180	1,005	3,185
West Midlands	360.35	239.94	293.61	7,391	7,360	14,751	109.90	47.72	78.09	2,686	1,217	3,903
East of England	332.26	231.80	276.89	7,600	7,951	15,551	93.98	41.70	67.11	2,445	1,139	3,584
South East	323.53	228.31	271.24	10,745	11,853	22,598	89.93	38.77	63.54	3,370	1,532	4,902
London	337.45	229.21	277.76	7,111	7,025	14,136	110.10	47.58	77.34	2,799	1,296	4,096
South West	324.96	222.94	268.62	7,513	8,076	15,589	89.99	37.20	62.81	2,271	990	3,261
WALES	389.20	265.56	320.60	4,722	4,860	9,583	117.61	55.39	85.65	1,680	834	2,514
SCOTLAND	416.58	292.39	347.31	7,791	8,315	16,106	137.89	64.02	99.19	3,217	1,633	4,850

NORTHERN IRELAND	373.95	54.58	07.02	2,030	2,112	4,142	114.32	48.73	80.27	811	370	1,181
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Notes: ICD-10 codes I00-I99. Directly standardised using the 2013 European Standard Population.

Source: England and Wales: rates calculated in partnership with the Office for National Statistics; Scotland: Rates calculated in partnership with the General Register Office for Scotland; Northern Ireland: Rates calculated in partnership with Northern Ireland Statistics and Research Agency.

Table 4 Numbers of deaths and age-standardised death rates from coronary heart disease (CHD) in men and women, all ages and under 75, by government office region, United Kingdom 2010/12

	All ages						Under 75					
	Age-standardised death rates/100,000			Average numbers of CHD deaths per year 2010 to 2012			Age-standardised death rates/100,000			Average numbers of CHD deaths per year 2010 to 2012		
	Men	Women	Both	Men	Women	Both	Men	Women	Both	Men	Women	Both
UK	189.90	93.90	135.60	44,049	31,823	75,872	66.67	21.06	43.15	17,978	5,966	23,945
ENGLAND	184.06	90.27	131.10	35,864	25,702	61,567	63.88	19.80	41.19	14,359	4,658	19,016
North East	195.57	96.26	139.52	1,957	1,371	3,328	73.46	23.29	47.55	869	291	1,160
Yorkshire and The Humber	210.17	105.45	150.87	4,072	2,978	7,049	74.36	23.67	48.30	1,703	568	2,271
North West	212.01	108.41	153.40	5,474	4,039	9,513	77.69	26.18	51.22	2,401	847	3,248
East Midlands	192.63	93.83	137.53	3,367	2,309	5,677	67.20	20.39	43.35	1,381	428	1,809
West Midlands	190.35	87.57	132.48	3,993	2,652	6,645	68.98	20.44	44.14	1,687	519	2,206
East of England	172.77	88.38	125.20	3,994	2,999	6,993	55.37	17.78	36.05	1,440	484	1,924
South East	161.39	77.91	114.02	5,422	3,987	9,409	51.90	15.23	32.99	1,948	598	2,547
London	172.99	84.54	123.01	3,673	2,546	6,220	63.55	19.67	40.53	1,582	519	2,102
South West	167.61	78.89	117.17	3,911	2,821	6,732	53.25	15.09	33.61	1,348	403	1,750
WALES	210.55	103.82	150.08	2,597	1,878	4,476	71.94	24.44	47.54	1,031	368	1,399
SCOTLAND	228.58	119.73	166.33	4,392	3,379	7,772	87.80	30.13	57.56	2,056	768	2,823

NORTHERN IRELAND	214.90	104.69	151.20	1,195	863	2,058	74.87	22.88	47.90	533	173	706
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Notes: ICD-10 codes I20-I25. Directly standardised using the 2013 European Standard Population.

Source: England and Wales: rates calculated in partnership with the Office for National Statistics; Scotland: Rates calculated in partnership with the General Register Office for Scotland; Northern Ireland: Rates calculated in partnership with Northern Ireland Statistics and Research Agency.

Table 5 Numbers of deaths and age-standardised death rates from stroke in men and women, all ages and under 75, by government office region, United Kingdom 2010/12

	All ages						Under 75					
	Age-standardised death rates/100,000			Average numbers of Stroke deaths per year 2010 to 2012			Age-standardised death rates/100,000			Average numbers of Stroke deaths per year 2010 to 2012		
	Men	Women	Both	Men	Women	Both	Men	Women	Both	Men	Women	Both
UK	78.57	77.05	78.44	17,292	26,776	44,069	16.66	12.48	13.88	4,425	3,545	6,353
ENGLAND	76.12	74.49	75.87	14,117	21,757	35,874	15.98	11.92	13.88	3,540	2,813	6,353
North East	83.74	79.70	82.09	781	1,155	1,936	19.32	14.03	16.57	225	175	400
Yorkshire and The Humber	84.37	79.66	82.29	1,534	2,303	3,837	18.29	13.18	15.63	407	316	723
North West	83.32	81.36	82.93	2,022	3,090	5,112	19.43	15.56	17.42	591	504	1,095
East Midlands	72.70	72.14	72.87	1,194	1,813	3,007	14.71	11.81	13.23	296	249	545
West Midlands	80.86	79.26	80.53	1,587	2,461	4,048	15.82	12.40	14.07	382	314	697
East of England	70.31	69.18	70.21	1,565	2,406	3,971	13.84	10.13	11.92	356	276	632
South East	70.45	71.91	72.18	2,289	3,787	6,075	13.69	10.09	11.83	508	397	905
London	70.46	62.38	66.25	1,440	1,919	3,359	17.85	11.96	14.75	447	328	775
South West	75.22	76.36	76.72	1,706	2,823	4,529	13.13	9.51	11.26	329	252	581
WALES	81.90	80.20	81.73	963	1,486	2,449	17.94	14.40	16.12	254	216	470
SCOTLAND	100.56	98.52	100.57	1,781	2,830	4,611	22.22	16.41	19.16	508	418	926

NORTHERN IRELAND	83.63	84.26	85.23	432	704	1,135	17.66	13.00	15.24	124	98	222
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Notes: ICD-10 codes I20-I25. Directly standardised using the 2013 European Standard Population.

Source: England and Wales: rates calculated in partnership with the Office for National Statistics; Scotland: Rates calculated in partnership with the General Register Office for Scotland; Northern Ireland: Rates calculated in partnership with Northern Ireland Statistics and Research Agency.

Table 6 Rankings for ten local authorities with highest coronary heart disease mortality rates and ten local authorities with the lowest coronary heart disease mortality rates, United Kingdom 2010/2012

All ages				Under 75			
Code	Local authority	Region	Age-standardised death rate per 100,000	Code	Local authority	Region	Age-standardised death rate per 100,000
10 HIGHEST DEATH RATES				10 HIGHEST DEATH RATES			
00BT	Tameside	North West	235.07	00QS	Glasgow City	Scotland	85.56
30UG	Hyndburn	North West	217.56	00BN	Manchester	North West	74.82
00EX	Blackburn with Darwen UA	North West	215.29	00QG	West Dunbartonshire	Scotland	74.04
00QS	Glasgow City	Scotland	198.34	00QJ	Dundee City	Scotland	73.76
30UD	Burnley	North West	198.07	00BT	Tameside	North West	72.78
00QG	West Dunbartonshire	Scotland	195.32	00EX	Blackburn with Darwen UA	North West	71.73
00RJ	Eilean Siar	Scotland	189.44	00QZ	North Lanarkshire	Scotland	71.40
95N	Craigavon	Northern Ireland	189.06	30UD	Burnley	North West	69.79
00QZ	North Lanarkshire	Scotland	186.67	00EY	Blackpool UA	North West	69.08
95M	Dungannon	Scotland	186.31	00KA	Luton UA	East of England	68.21
MIDDLE TWO DEATH RATES				MIDDLE TWO DEATH RATES			
00KB	Bedford UA	East of England	131.59	00GA	Herefordshire, County of UA	West Midlands	40.59
36UH	Selby	Yorkshire & The Humber	131.35	95C	Coleraine	Northern Ireland	40.55
10 LOWEST DEATH RATES				10 LOWEST DEATH RATES			
00BK	Westminster	London	94.51	22UQ	Uttlesford	East of England	23.16
38UD	South Oxfordshire	South East	94.42	45UF	Horsham	South East	23.10
00BD	Richmond upon Thames	London	93.65	43UE	Mole Valley	South East	23.09
43UK	Tandridge	South East	91.79	43UL	Waverley	South East	22.82
12UG	South Cambridgeshire	East of England	90.54	11UE	South Bucks	South East	22.56
29UK	Sevenoaks	South East	89.48	21UF	Lewes	South East	22.29

24UG	Hart	South East	86.51	24UC	East Hampshire	South East	20.94
00HF	Isles of Scilly UA	South West	74.83	00AW	Kensington and Chelsea	London	20.54
00AW	Kensington and Chelsea	London	73.55	24UG	Hart	South East	17.13
00AA	City of London	London	71.97	00HF	Isles of Scilly UA	South West	0.00

Source: England and Wales: rates calculated in partnership with the Office for National Statistics; Scotland: Rates calculated in partnership with the General Register Office for Scotland; Northern Ireland: Rates calculated in partnership with Northern Ireland Statistics and Research Agency.

Table 7 Rankings for ten local authorities with highest stroke mortality rates and ten local authorities with the lowest stroke mortality rates, United Kingdom 2010/2012

Code	Local authority	Region	Age-standardised death rate per 100,000	Code	Local authority	Region	Age-standardised death rate per 100,000
10 HIGHEST DEATH RATES				10 HIGHEST DEATH RATES			
95G	Ballymena	Northern Ireland	139.73	00QU	Inverclyde	Scotland	31.22
95I	Cookstown	Northern Ireland	139.73	00QS	Glasgow City	Scotland	27.09
00RC	Renfrewshire	Scotland	135.87	00BN	Manchester	North West	26.88
00QU	Inverclyde	Scotland	122.58	00RC	Renfrewshire	Scotland	26.63
36UG	Scarborough	Yorkshire & The Humber	120.05	95I	Cookstown	Northern Ireland	24.99
00RA	Orkney Islands	Scotland	117.65	00RJ	Eilean Siar	Scotland	24.94
00QS	Glasgow City	Scotland	114.74	00EY	Blackpool UA	North West	23.90
95B	Limavady	Northern Ireland	114.40	00EX	Blackburn with Darwen UA	North West	23.83
00QG	West Dunbartonshire	Scotland	111.34	00QZ	North Lanarkshire	Scotland	23.68
00QQ	Falkirk	Scotland	109.99	34UB	Corby	Northern Ireland	23.09
MIDDLE TWO DEATH RATES				MIDDLE TWO DEATH RATES			
00CU	Walsall	West Midlands	76.46	29UB	Ashford	South East	13.47
40UC	Sedgemoor	South West	76.43	00FK	Derby UA	East Midlands	13.45
10 LOWEST DEATH RATES				10 LOWEST DEATH RATES			
95E	Moyle	Northern Ireland	57.44	24UP	Winchester	South East	7.48
43UD	Guildford	South East	56.39	23UF	Stroud	South West	7.12
00BD	Richmond upon Thames	London	55.15	22UE	Castle Point	East of England	6.98
42UB	Babergh	East of England	53.17	17UF	Derbyshire Dales	East Midlands	6.79
00AW	Kensington and Chelsea	London	53.03	19UG	Purbeck	South West	6.31
00BK	Westminster	London	53.00	95K	Omagh	Northern Ireland	6.20
00AG	Camden	London	52.37	24UN	Test Valley	South East	6.17

00AQ	Harrow	London	52.30	24UG	Hart	South East	6.05
00HF	Isles of Scilly UA	South West	42.86	26UJ	Three Rivers	East of England	6.03
00AA	City of London	London	40.83	00HF	Isles of Scilly UA	South West	0.00

Source: England and Wales: rates calculated in partnership with the Office for National Statistics; Scotland: Rates calculated in partnership with the General Register Office for Scotland; Northern Ireland: Rates calculated in partnership with Northern Ireland Statistics and Research Agency.

Table 8 Prevalence of selected cardiovascular conditions by Government Office Region and country, United Kingdom 2012/13

Country / Government Office Region (GOR)	Population	Coronary Heart Disease Register		Stroke or Transient Ischaemic Attacks (TIA) Register		Hypertension Register		Heart Failure Register		Atrial Fibrillation Register		Peripheral Arterial Disease (PAD) Register	
		n	%	n	%	%	n	%	n	%	n	%	
East Midlands	4,735,883	170,392	3.6	84,601	1.8	676,809	14.3	37,662	0.8	75,494	1.6	30,443	0.6
East of England	6,113,986	199,093	3.3	101,965	1.7	859,211	14.1	44,340	0.7	98,755	1.6	34,950	0.6
London	9,056,401	193,614	2.1	94,989	1.0	999,576	11.0	44,179	0.5	80,989	0.9	35,140	0.4
North East	2,696,547	121,807	4.5	57,845	2.1	418,078	15.5	23,603	0.9	45,050	1.7	26,520	1.0
North West	7,397,503	292,461	4.0	139,228	1.9	1,051,020	14.2	62,564	0.8	117,998	1.6	65,560	0.9
South East	9,074,471	275,806	3.0	150,792	1.7	1,213,525	13.4	55,659	0.6	147,135	1.6	51,394	0.6
South West	5,536,574	196,447	3.5	112,083	2.0	801,615	14.5	42,997	0.8	105,323	1.9	37,902	0.7
West Midlands	5,880,643	202,258	3.4	104,690	1.8	864,902	14.7	44,561	0.8	90,844	1.5	39,829	0.7
Yorkshire and The Humber	5,524,195	218,663	4.0	105,366	1.9	775,989	14.0	42,028	0.8	87,908	1.6	43,682	0.8
England	56,016,203	1,870,541	3.4	951,559	1.7	7,660,725	13.7	397,593	0.7	849,496	1.5	365,420	0.7
Scotland	5,552,133	236,466	4.3	116,879	2.1	760,317	13.7	45,074	0.8	84,250	1.5	48,521	0.9
Wales	3,180,153	125,421	3.9	63,634	2.0	493,266	15.5	29,613	0.9	58,698	1.8	22,912	0.7
Northern Ireland	1,909,338	74,648	3.9	33,470	1.8	245,730	12.9	14,400	0.8	27,756	1.5	13,802	0.7
UK	66,657,827	2,307,076	3.5	1,165,542	1.7	9,160,038	13.7	486,680	0.7	1,020,200	1.5	450,655	0.7

Note: England - Copyright © Health and Social Care Information Centre 2014.

Source: England - Information Centre QOF achievement data 2012/13; Wales - StatsWales. QOF 20012/13 achievement data; Scotland - ISD Scotland. QOF achievement data 2013/13; Northern Ireland - Department of Health, Social Services and Public Safety. QOF achievement data 2012/13

Table 9 Prescriptions used in the prevention and treatment of cardiovascular disease, Wales 2005 to 2013

Prescriptions	Thousands (000s)								
	2005	2006	2007	2008	2009	2010	2011	2012	2013
Digoxin and other positive inotropic drugs (2.1)	362	357	337	319	307	296	284	273	259
Diuretics (2.2)	3,083	3,091	3,028	3,000	2,979	2,971	2,960	2,940	2,897
Anti-arrhythmic drugs (2.3)	99	94	87	81	75	68	64	62	60
Beta-adrenoreceptor blocking drugs (2.4)	2,093	2,110	2,071	2,116	2,165	2,237	2,322	2,424	2,505
Antihypertensive and heart failure drugs (2.5)	3,442	3,774	4,124	4,402	4,601	4,781	4,920	5,063	5,173
Nitrates, calcium blockers & other antianginal drugs (2.6)	2,731	2,892	3,032	3,135	3,205	3,263	3,314	3,390	3,437
Anticoagulants and protamine (2.8)	576	612	650	689	723	764	808	874	944
Antiplatelet drugs (2.9)	2,563	2,716	2,846	3,011	3,045	2,933	2,905	2,890	2,859
Anti-fibrinolytic drugs and haemostatics (2.11)	23	24	28	30	30	31	33	34	33
Lipid-lowering drugs (2.12)	3,103	3,626	3,985	4,297	4,562	4,693	4,788	4,956	5,076
All prescriptions for disease of the circulatory system	18,073	19,296	20,188	21,082	21,691	22,037	22,399	22,906	23,247

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

Source: Health Statistics and Analysis Unit (2014). Prescription cost analysis 2013. Welsh Government: Cardiff and previous editions.

Table 10 Prescriptions used in the prevention and treatment of cardiovascular disease, Scotland 2001/02 to 2013/14

Prescriptions	Thousands (000s)									
	2001/02	2005/06	2006/07	2007/08	2008/09	2009/10	2010/11	2011/12	2012/13	2013/14
Digoxin and other positive inotropic drugs (2.1)	358	323	315	305	296	291	283	276	269	260
Diuretics (2.2)	3,469	3,914	3,810	3,680	3,597	3,544	3,457	3,382	3,269	3,154
Anti-arrhythmic drugs (2.3)	102	90	85	81	77	73	70	71	69	68
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
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
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
Anticoagulants and protamine (2.8)	489	612	646	676	707	743	773	819	884	958
Antiplatelet drugs (2.9)	2,461	3,448	3,545	3,652	3,743	3,724	3,577	3,506	3,404	3,295
Anti-fibrinolytic drugs and haemostatics (2.11)	35	36	38	39	41	42	43	44	47	47
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
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

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

Source: ISD Scotland (2014). Prescription Cost Analysis 2013/14. NHS National Services: Edinburgh. and previous editions.

Table 11 Prescriptions used in the prevention and treatment of cardiovascular disease, Northern Ireland 2000 to 2013

Prescriptions	Thousands (000s)									
	2000	2005	2006	2007	2008	2009	2010	2011	2012	2013
Digoxin and other positive inotropic drugs (2.1)	132	107	104	101	99	96	95	93	92	90
Diuretics (2.2)	819	1,015	1,009	992	983	983	992	1,002	996	978
Anti-arrhythmic drugs (2.3)	41	38	36	35	34	32	31	32	31	30
Beta-adrenoreceptor blocking drugs (2.4)	641	908	918	915	937	967	1,020	1,059	1,108	1,150
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
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
Anticoagulants and protamine (2.8)	138	183	194	207	220	233	249	274	300	334
Antiplatelet drugs (2.9)	539	957	1,026	1,095	1,151	1,177	1,192	1,223	1,239	1,239
Anti-fibrinolytic drugs and haemostatics (2.11)	0	12	12	13	13	14	14	16	17	16
Lipid-lowering drugs (2.12)	9	1,047	1,227	1,393	1,534	1,652	1,761	1,838	1,901	1,954
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

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

Source: HSC (2014). Prescription Cost Analysis 2013. Business Services Organisation: Belfast.

Table 12 Number of CABGs and PCIs, United Kingdom 1977 to 2012

	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	23,623	73,692
2007	25,372	77,373
2008	22,846	80,331
2009	19,766	83,130
2010	17,986	87,676
2011	17,751	88,692
2012	16,791	92,445

Notes: Operations performed in NHS hospitals and selected private hospitals are included.

Source: British Cardiovascular Intervention Society (2013). BCIS Audit returns . Personal communication. The Society for Cardiothoracic Surgery in Great Britain & Ireland (2014). <http://bluebook.scts.org/#ActivityRates>. Accessed in March 2014

Table 13 Number of carotid endarterectomy cases reported in Hospital Episodes Statistics, by audit reporting period, Strategic Health Authority and country, United Kingdom 2005 to 2012

	Round 1 operations 1 st December 2005 to 31 st December 2007	Round 2 operations 1 st January 2008 to 30 th September 2008	Round 3 operations 1 st October 2009 to 30 th September 2011	Round 4 operations 1 st October 2010 to 30 th September 2011	Round 5 operations 1 st October 2011 to 30 th September 2012
East Midlands	404	477	382	405	401
East of England	641	477	586	556	588
London	918	1017	584	597	531
North East	545	483	265	283	292
North West	1,079	1421	1008	1077	1016
South Central	163	649	370	392	380
South East Coast	373	579	321	358	425
South West	1,047	972	584	577	587
West Midlands	985	1032	619	602	527
Yorkshire and The Humber	901	923	538	519	599
ENGLAND	7,056	8345	5257	5366	5346
NORTHERN IRELAND	324	252	182	154	
SCOTLAND	793	822	494	395	451
WALES	530	601	328	362	319
UK TOTAL	9,703	10,020	6,261	6,277	N/A

Notes: Data were sourced by the Vascular Services Quality Improvement Programme to compare the completeness of audit data with cases reported in Hospital Episode Statistics (HES). Each Round refers to the UK carotid endarterectomy audit period. Audit data are less complete than HES and have not been included in this table.

Source: Waton S, Johal A, Groene O, Cromwell D, Mitchell D, Loftus I. UK Carotid Endarterectomy Audit. Round 5. London: The Royal College of Surgeons of England, October 2013.

Table 14 NHS expenditure in £millions on CVD by care setting and CVD type, England 2012/13

	Prevention/Health Promotion	Primary care			Secondary care				
		Primary care	Primary prescribing	Total Primary Care	Inpatient: Elective and Daycase	Inpatient: Non-elective	Outpatient	Other secondary care	Total Secondary Care
Coronary heart disease	2.5	5.4	574.1	579.5	246.1	527.6	8.0	66.8	848.5
Stroke	0.7	0.2	25.8	26.1	46.3	444.1	19.7	60.9	571.0
Other CVD	16.0	47.8	787.6	835.4	556.3	952.7	520.8	923.9	2953.7
Total CVD	19.2	53.5	1387.5	1441.0	848.6	1924.5	548.6	1051.5	4373.2

	Urgent / emergency care		Community Care	Care provided in other setting	Administration, facilities & estates	Total expenditure
	Ambulance	Accident & Emergency				
Coronary heart disease	33.0	0.0	60.6	18.5	55.2	1597.9
Stroke	61.6	16.3	80.6	34.9	27.9	819.1
Other CVD	224.6	73.0	167.4	55.1	155.0	4480.3
Total CVD	319.2	89.4	308.6	108.5	238.1	6897.2

Notes: Expenditure data included within this table are taken from the 2012-13 programme budgeting returns. Programme budgeting returns are based on a subset of PCT accounts data and represent a subset of overall NHS expenditure data. Estimates of expenditure are calculated using price paid for specific activities and services purchased from healthcare providers. PCTs follow standard guidance, procedures and mappings when calculating programme budgeting data. The analysis of programme budgeting data by care setting was introduced for the first time in 2010/11. For this reason, programme budgeting data within individual care settings should be interpreted with caution. The allocation of expenditure to programme budgeting subcategories is not always straightforward, and subcategory level data should therefore be used with caution. Due to differences in the level of information available to PCTs on A&E attendances a national split has been applied to PCT total A&E expenditure to apportion it across programme budgeting categories. When converting A&E diagnosis codes to Programme Budgeting subcategories of disease, no codes are included in CHD, with MI and other CHD included in Other CVD, resulting in no A&E spend for CHD.

Source: NHS England - Analytical services - Programme Budgeting Team (2014) 2012/13 Programme Budgeting Benchmarking Tool. <http://www.england.nhs.uk/resources/resources-for-cgs/prog-budgeting/> (accessed February 2014).

Table 15 NHS expenditure on CVD by Health Board, Wales 2012/13

HSC Trust Name	Expenditure per head / £				Total expenditure (£ millions)			
	CHD	Stroke	Other CVD	Total CVD	CHD	Stroke	Other CVD	Total CVD
Abertawe Bro Morgannwg UHB	43.87	26.69	72.16	142.72	22.8	13.9	37.5	74.1
Aneurin Bevan LHB	40.58	19.61	76.69	136.89	23.5	11.3	44.3	79.1
Betsi Cadwaladr UHB	41.68	28.80	85.36	155.84	28.8	19.9	58.9	107.6
Cardiff & Vale UHB	34.15	19.65	57.69	111.49	16.2	9.3	27.4	53.0
Cwm Taf LHB	43.60	27.61	82.82	154.03	12.8	8.1	24.4	45.4
Hywel Dda LHB	47.19	26.58	78.23	152.00	18.1	10.2	30.0	58.3
Powys Teaching LHB	47.11	58.03	81.68	186.82	6.3	7.7	10.9	24.8
Wales	41.79	26.17	75.93	143.89	128.5	80.4	233.4	442.3

Notes: HBs allocate as much expenditure as they can, given the activity information available. The apportionment of the remainder means that some figures are approximate. HBs 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. To calculate expenditure per head of population, the ONS revised mid-year population 2013 estimates were used.

Source: Financial Information Strategy, Public Health Wales (2014) Personal communication.

Table 16 NHS expenditure on CVD by Health and Social Care Trust, Northern Ireland 2012/13

HSC Trust Name	Expenditure per head of population /£				CVD expenditure (£ millions)			
	CHD	Stroke	Other CVD	Total CVD	CHD	Stroke	Other CVD	Total CVD
Belfast	163.67	22.68	246.95	433.31	57.0	7.9	86.0	150.9
Northern	48.76	9.02	66.81	124.59	22.7	4.2	31.1	58.0
Southern	71.12	11.71	90.26	173.09	24.9	4.1	31.6	60.6
South Eastern	65.26	9.64	116.76	191.66	23.7	3.5	42.4	69.6
Western	65.41	13.15	103.17	181.72	19.4	3.9	30.6	53.9
Northern Ireland	80.99	12.94	121.57	215.50	147.7	23.6	221.7	393.0

Notes: Hospital Information Branch identifies finished consultant episodes where a patient was treated for a diagnosis of coronary heart disease, cardiovascular disease or stroke using the relevant ICD 10 codes. To this activity information, Finance Directorate has applied 2012/13. HRG reference costs derived from annual trust costing returns, in order to produce an estimate of the total cost. All costs relate only to inpatient and daycase admitted care. Substantial A&E, outpatient, primary care, community and personal social services may also be provided to patients. Costs for these services are not collected at the level of detail required to enable an estimate on what has been spent on individuals with specific diagnoses.

Source: Hospital Information Branch, Department of Health, Social Services and Public Safety, Northern Ireland Executive (2014) Personal communication.