

Supplementary data

Figure S1. Age-adjusted temporal trends in hospitalization rates by sex.

Age-adjusted hospitalization rates for overall cardiovascular disease (CVD) and for specific conditions—heart failure, stroke, ST-elevation myocardial infarction (STEMI), non-ST-elevation myocardial infarction (NSTEMI), and aortic stenosis stratified by sex from 2007 to 2022.

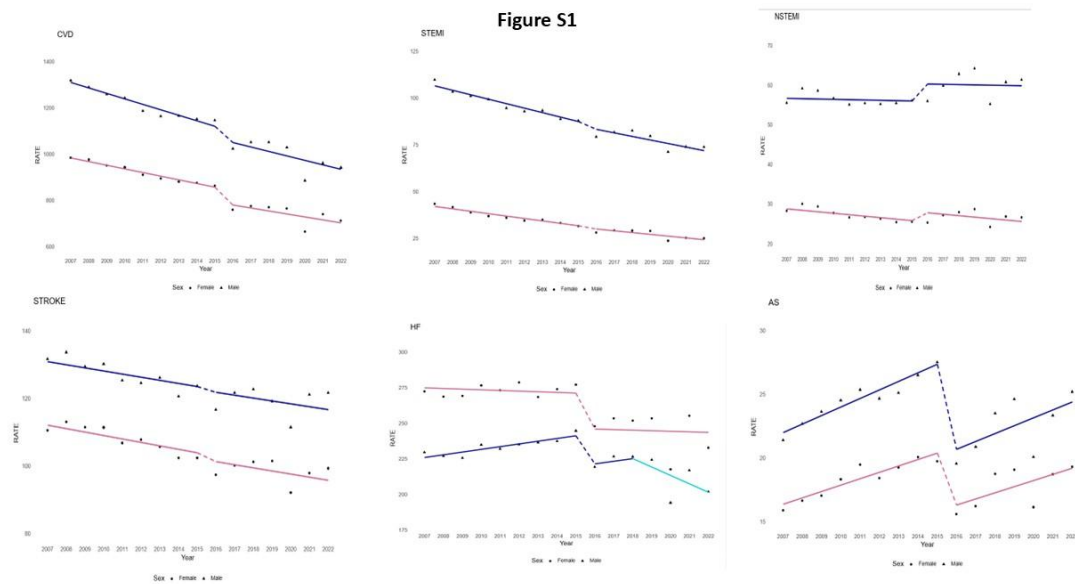


Figure S2. Trends in sex-specific length of hospital stay by condition.

Temporal trends in median length of hospital stay for overall cardiovascular diseases and specific conditions, presented separately for men and women.

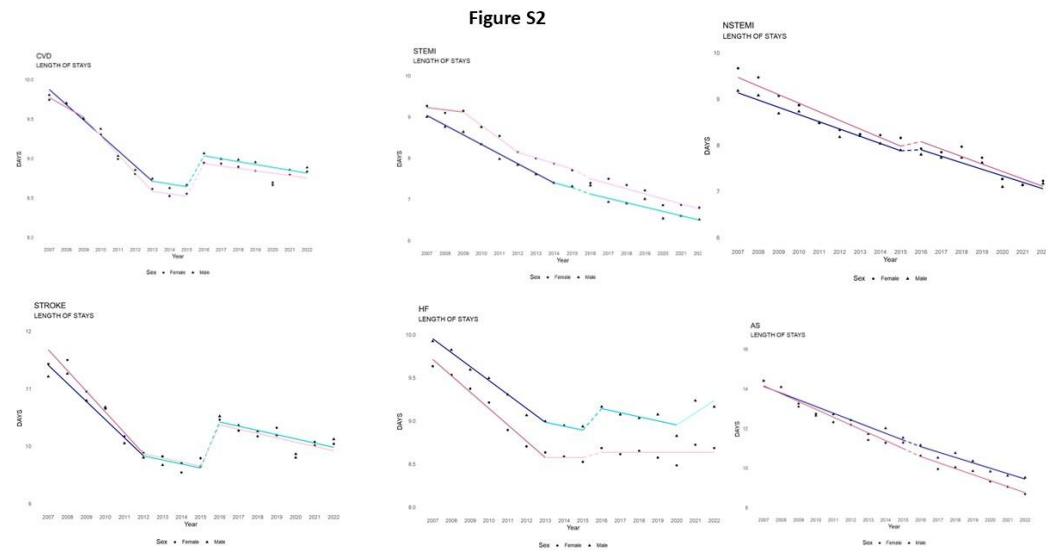


Figure S3. Crude in-hospital mortality for cardiovascular diseases and specific conditions, by sex.

Trends in crude rates for overall cardiovascular disease and specific conditions: ST-elevation myocardial infarction (STEMI), non-ST-elevation myocardial infarction (NSTEMI), and stroke in men and women between 2007 and 2022.

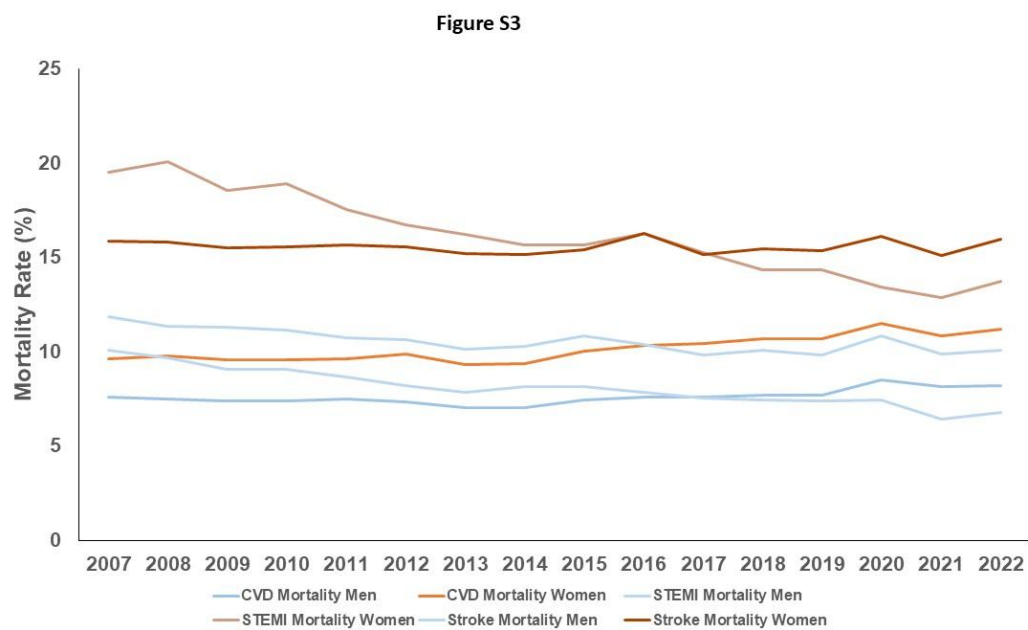


Figure S4. Crude in-hospital mortality for cardiovascular disease and specific conditions, by sex. Trends in crude rates for specific conditions: non–ST-elevation myocardial infarction (NSTEMI), heart failure (HF), and aortic stenosis (AS) in men and women between 2007 and 2022.

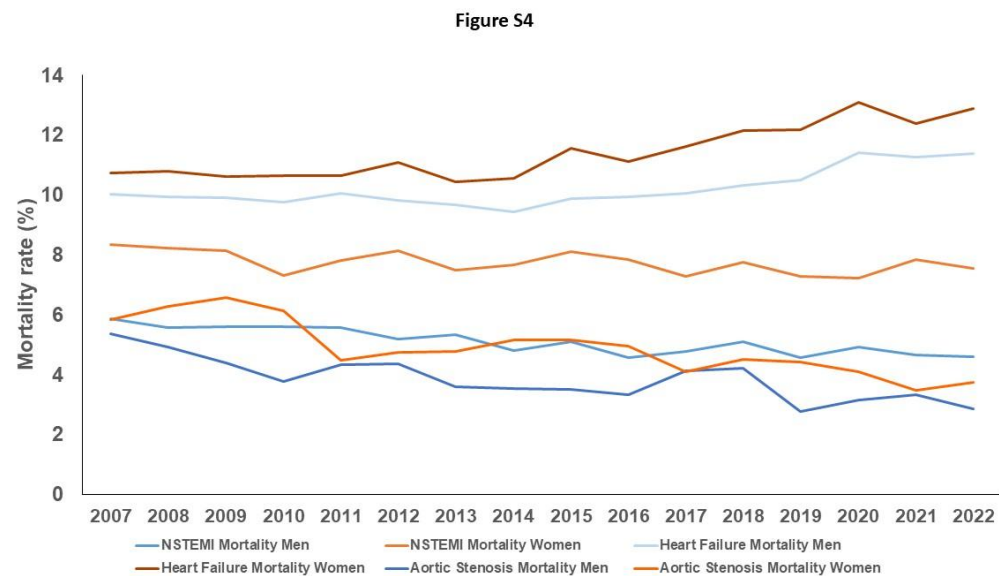


Table S1. ICD-9-CM and ICD-10 codes for the circulatory system diseases studied

Groups of cardiovascular diseases	ICD-9-CM codes	ICD 10 codes
Diseases of the circulatory system (CVD)	Chapter 7	Chapter 9
ST-segment elevation acute myocardial infarction (STEMI)	410.00; 410.01; 410.10; 410.11; 410.20; 410.21; 410.30; 410.31; 410.40; 410.41;410.50; 410.51; 410.60; 410.61; 410.70; 410.71; 410.80; 410.81; 410.90; 410.91	I2101, I2102, I2109, I2111, I2119, I2121, I2129, I213
Non–ST-segment acute myocardial infarction (NSTEMI)	41071	I214
Stroke	4358, 4378, 43391, 43321,43301, 43311, 43381, 43401, 43411, 43491, 43331, 4371, 436	G460, G461, G462, G463, G464, G465, G466, G467, I6300, I63011, I63012, I63013, I63019, I6302, I63031, I63032, I63033, I63039, I6309, I6310, I63111, I63112, I63113, I63119, I6312, I63131, I63132, I63133, I63139, I6319, I6320, I63211, I63212, I63213, I63219, I6322, I63231, I63232, I63233, I63239, I6329, I6330, I63311, I63312, I63313, I63319, I63321, I63322, I63323, I63329, I63331, I63332, I63333, I63339, I63341, I63342, I63343, I63349, I6339, I6340, I63411, I63412, I63413, I63419, I63421, I63422, I63423, I63429, I63431, I63432, I63433, I63439, I63441, I63442, I63443, I63449, I6349, I6350, I63511, I63512, I63513, I63519, I63521, I63522, I63523, I63529, I63531, I63532, I63533, I63539, I63541, I63542, I63543, I63549, I6359, I636, I638, I6381, I639, I6781, I6782, I6789
Heart failure (HF)	40201, 40211, 40291, 40401, 40403, 40411, 40413, 40491, 40493, 4280, 4281, 42820, 42821, 42822, 42823, 42830, 42831, 42832, 42833, 42840, 42841, 42842, 42843, 4289	I11.0, I13.0, I13.2, I50.1, I50.20, I50.21, I50.22, I50.23, I50.30, I50.31, I50.32, I50.33, I50.40, I50.41, I50.42, I50.43, I50.810, I50.811, I50.812, I50.813, I50.814, I50.82, I50.83, I50.84, I50.89, I50.9
Aortic valve disease (AS)	424.1	I35.0; I35.2 (stenosis with insufficiency)

Table S2. ICD-9-CM and ICD-10 codes and condition categories of the cardiovascular risk factors and comorbidities studied

Groups of cardiovascular diseases	ICD-9-CM codes/condition categories	ICD 10 codes/condition categories
Smoker	305.1, 989.84	Z72.0, F17*
High blood pressure	CC 95	CC 95
Obesity and overweight	278	E66*
Hyperlipidemia	272, excluding 272.5	E78, excluding E78.6, E78.7 y E78.8
Alcohol dependence	305.0*, 303.9, V11.3, 291.1	F10, E24.4, G31.2, G72.1, I42.6, K29.2*, K70, K86.0, O35.4, T51, Z71.4*,
Diabetes mellitus (DM) or complications of DM, except retinopathy	CC 17-19, 123	CC 17 POA=Yes, 18-19, 123
Acute myocardial infarction (AMI) anterior location	410.00-410.12	I21.01, I21.02, I21.09
AMI nonanterior location	410.20-410.62	I21.11, I21.19, I21.21, I21.29, I21.3, I21.9
History of aortocoronary bypass	V45.81	Z95.1
History of angioplasty	V45.82	Z95.5, Z98.61
Previous COVID-19		U07.1, Z86.16
Metastatic cancer/acute leukemia	CC 8-9	CC 8-9
Protein-calorie malnutrition	CC 21	CC 21
Electrolyte, metabolic or endocrine imbalances	CC 22-26	CC 22-23, 24 con POA=S, 25-26
Chronic liver disease	CC 27-29	CC 27-29
Other gastrointestinal diseases	CC 38	CC 38
Alterations of the vertebrae and intervertebral discs	CC 41	CC 41
Osteoarthritis of the hip and knee	CC 42	CC 42
Other musculoskeletal and connective tissue disorders	CC 45	CC 45
Iron deficiency or other anemias or unspecified blood disorders	CC 49	CC 49
Dementia and other brain disorders	CC 51-53	CC 51-53
Severe mental illness	CC 57-59	
Paralysis, spinal injuries, limb amputation	CC 70-73	
Cerebral palsy/hemiplegia/hemiparesis	CC 74, 103	
Hemiplegia, paraplegia, paralysis, functional disability	CC 70-74, 103-104, 189-190	CC 70-74, 103-104, 189-190 POA=Yes
Multiple sclerosis; other neurological conditions/injuries	CC 77, 81	CC 77, 81
Epilepsy	CC 79	CC 79

Groups of cardiovascular diseases	ICD-9-CM codes/condition categories	ICD 10 codes/condition categories
Cardiogenic shock	785.51	R57.0 POA=Yes
Cardiorespiratory failure except cardiogenic shock	CC 84 excluding 785.51	CC 84 POA=Yes, excluding R57.0
Congestive heart failure	CC 85	CC 85 POA=Yes
AMI	CC 86	
Complications of AMI	429.5, 429.6	I23.0, I23.1, I23.2, I23.3, I23.4, I23.5, I23.6, I23.7, I23.8, I51.1, I51.2 (POA)
Unstable angina and other acute ischemic heart diseases	CC 87	CC 87 POA=Yes
Coronary atherosclerosis or angina	CC 88-89	CC 88-89
Valvular or rheumatic heart disease	CC 91	CC 91
Congenital heart/circulatory defects	CC 92-93	CC 92-93
Hypertensive heart disease	CC 94	
Arrhythmias	CC 96	CC 96
Cerebral hemorrhage	CC 99	
Stroke	CC 99-100	CC 99-100 POA=Yes
Cerebrovascular disease	CC 101-102, 105	CC 101 POA=Yes, 102,105
Valvular heart disease	CC 106-108	CC 106-108 POA=Yes
Chronic obstructive pulmonary disease (COPD)	CC 111	CC 115
Pneumonia	CC 114-116	CC 114-116 POA=Yes
Renal failure	CC 135-140	CC 135 POA=Yes, 136-139), 140 POA=Yes
Trauma and other injuries	CC 166-168, 170-174	CC 166-168 POA=Yes, 170-171 POA=Yes, 172, 173 POA=Yes, 174
Pleural effusion/pneumothorax	CC 117	
Dialysis status	CC134	

CC, condition categories (Agency for Healthcare Research and Quality); AMI, acute myocardial infarction; POA, present on admission.

Table S3. Patient profile, cardiovascular risk factors, and comorbidities by sex and cardiovascular disease subtype (2007-2022)

	HF (n = 1739 203)					Stroke (n = 790 348)					STEMI (n = 408 570)					NSTEMI (N = 293 356)					AS (n = 143 576)				
	Total	M	W	P	SDM	Total	H	M	P	SDM	Total	H	M	P	SDM	Total	H	M	P	SDM	Total	H	M	P	SDM
Age	82 [75-87]	79 [71-85]	84 [78-88]	< .001	0.482	77 [67-84]	73 [63-81]	81 [72-86]	< .001	0.517	66 [55-78]	63 [53-74]	76 [64-84]	< .001	0.711	72 [61-81]	69 [59-78]	78 [68-84]	< .001	0.546	76 [69-81]	74 [66-80]	78 [72-83]	< .001	0.416

	HF (n = 1739203)					Stroke (n = 790348)					STEMI (n = 408570)					NSTEMI (N = 293356)					AS (n = 143576)				
	Total	M	W	P	SDM	Total	H	M	P	SDM	Total	H	M	P	SDM	Total	H	M	P	SDM	Total	H	M	P	SDM
History of coronary artery bypass graft (CABG) surgery	51133 (2.9)	38491 (4.8)	12642 (1.3)	< .001	0.203	8718 (1.1)	6860 (1.6)	1858 (0.5)	< .001	0.109	4338 (1.1)	3508 (1.2)	830 (0.7)	< .001	0.047	10829 (3.7)	8725 (4.4)	2104 (2.2)	< .001	0.124	2130 (1.5)	1688 (2.1)	442 (0.7)	< .001	0.119
History of percutaneous transluminal coronary angioplasty (PTCA)	125 369 (7.2)	83891 (10.5)	41478 (4.4)	< .001	0.236	25363 (3.2)	18570 (4.4)	6793 (1.8)	< .001	0.147	41165 (10.1)	32810 (11.1)	8355 (7.3)	< .001	0.131	43429 (14.8)	32734 (16.6)	10695 (11.2)	< .001	0.156	11226 (7.8)	7702 (9.6)	3524 (5.6)	< .001	0.150
History of COVID-19	14035 (0.8)	6526 (0.8)	7509 (0.8)	.071	0.003	5902 (0.7)	3217 (0.8)	2685 (0.7)	.106	0.004	2014 (0.5)	1489 (0.5)	525 (0.5)	.076	0.006	1966 (0.7)	1334 (0.7)	632 (0.7)	.669	0.002	638 (0.4)	372 (0.5)	266 (0.4)	.280	0.006
Metastatic cancer/acute leukemia	40751 (2.3)	25018 (3.1)	15733 (1.7)	< .001	0.097	16636 (2.1)	10477 (2.5)	6159 (1.7)	< .001	0.057	4385 (1.1)	3403 (1.2)	982 (0.9)	< .001	0.029	3916 (1.3)	3107 (1.6)	809 (0.8)	< .001	0.067	1056 (0.7)	727 (0.9)	329 (0.5)	< .001	0.045
Diabetes mellitus	686 232 (39.5)	321702 (40.4)	364 530 (38.6)	< .001	0.037	253407 (32.1)	202 (33.2)	113205 (30.8)	< .001	0.052	114 088 (27.9)	75965 (25.8)	38123 (33.5)	< .001	0.170	111601 (38.0)	71298 (36.1)	40303 (42.1)	< .001	0.124	42554 (29.6)	24225 (30.1)	18329 (29.1)	< .001	0.022
Electrolyte, metabolic, or endocrine disorders	887474 (51.0)	377842 (47.5)	509 632 (54.0)	< .001	0.130	375862 (47.6)	193214 (45.7)	182 648 (49.6)	< .001	0.078	196 100 (48.0)	138 000 (46.8)	58100 (51.0)	< .001	0.085	161795 (55.2)	106 274 (53.8)	55521 (58.0)	< .001	0.086	74844 (52.1)	39473 (49.0)	35371 (56.1)	< .001	0.143
Protein-calorie malnutrition	28090 (1.6)	12308 (1.5)	15782 (1.7)	< .001	0.010	8580 (1.1)	3943 (0.9)	4637 (1.3)	< .001	0.031	1399 (0.3)	810 (0.3)	589 (0.5)	< .001	0.039	1198 (0.4)	658 (0.3)	540 (0.6)	< .001	0.035	484 (0.3)	270 (0.3)	214 (0.3)	.921	0.001
Chronic liver disease	48552 (2.8)	29956 (3.8)	18596 (2.0)	< .001	0.108	12343 (1.6)	8732 (2.1)	3611 (1.0)	< .001	0.089	4902 (1.2)	3930 (1.3)	972 (0.9)	< .001	0.046	3925 (1.3)	3007 (1.5)	918 (1.0)	< .001	0.051	2431 (1.7)	1583 (2.0)	848 (1.3)	< .001	0.049
Disorders of vertebrae and intervertebral discs	60015 (3.5)	19545 (2.5)	40470 (4.3)	< .001	0.102	23938 (3.0)	11621 (2.8)	12317 (3.3)	< .001	0.035	8066 (2.0)	5035 (1.7)	3031 (2.7)	< .001	0.065	7110 (2.4)	4109 (2.1)	3001 (3.1)	< .001	0.066	3253 (2.3)	1511 (1.9)	1742 (2.8)	< .001	0.059
Osteoarthritis of hip and knee	33989 (2.0)	10548 (1.3)	23441 (2.5)	< .001	0.085	13081 (1.7)	4925 (1.2)	8156 (2.2)	< .001	0.082	3710 (0.9)	1889 (0.6)	1821 (1.6)	< .001	0.091	3310 (1.1)	1589 (0.8)	1721 (1.8)	< .001	0.088	1922 (1.3)	800 (1.0)	1122 (1.8)	< .001	0.067
Other musculoskeletal and connective tissue disorders	170647 (9.8)	54198 (6.8)	116 449 (12.3)	< .001	0.189	68314 (8.6)	26285 (6.2)	42029 (11.4)	< .001	0.184	20885 (5.1)	10261 (3.5)	10624 (9.3)	< .001	0.241	18337 (6.3)	8387 (4.2)	9950 (10.4)	< .001	0.238	8544 (6.0)	3154 (3.9)	5390 (8.6)	< .001	0.193
Iron deficiency or other anaemia or unspecified blood disorders	431457 (24.8)	178 208 (22.4)	253 249 (26.8)	< .001	0.103	58620 (7.4)	24915 (5.9)	33705 (9.2)	< .001	0.124	26822 (6.6)	13884 (4.7)	12938 (11.4)	< .001	0.247	32361 (11.0)	17553 (8.9)	14808 (15.5)	< .001	0.203	19413 (13.5)	9114 (11.3)	10299 (16.3)	< .001	0.146
Dementia and other brain disorders	168 484 (9.7)	53530 (6.7)	11 4954 (12.2)	< .001	0.187	105 045 (13.3)	43972 (10.4)	61073 (16.6)	< .001	0.182	14567 (3.6)	6271 (2.1)	8296 (7.3)	< .001	0.245	11776 (4.0)	5384 (2.7)	6392 (6.7)	< .001	0.188	3006 (2.1)	1265 (1.6)	1741 (2.8)	< .001	0.082
Severe mental illness	14905 (0.9)	5913 (0.7)	8992 (1.0)	< .001	0.023	7841 (1.0)	3744 (0.9)	4097 (1.1)	< .001	0.023	3174 (0.8)	2301 (0.8)	873 (0.8)	.669	0.002	1749 (0.6)	1094 (0.6)	655 (0.7)	< .001	0.017	650 (0.5)	310 (0.4)	340 (0.5)	< .001	0.023
Hemiplegia; paraplegia; paralysis; functional disability	32058 (1.8)	15855 (2.0)	16203 (1.7)	< .001	0.020	208 551 (26.4)	106132 (25.1)	102 419 (27.8)	< .001	0.062	5437 (1.3)	3620 (1.2)	1817 (1.6)	< .001	0.031	4793 (1.6)	3194 (1.6)	1599 (1.7)	.278	0.004	1209 (0.8)	792 (1.0)	417 (0.7)	< .001	0.036
Multiple sclerosis; other neurological conditions/injuries	44035 (2.5)	16748 (2.1)	27287 (2.9)	< .001	0.050	85575 (10.8)	44248 (10.5)	41327 (11.2)	< .001	0.024	6772 (1.7)	4080 (1.4)	2692 (2.4)	< .001	0.072	5814 (2.0)	3221 (1.6)	2593 (2.7)	< .001	0.074	2647 (1.8)	1232 (1.5)	1415 (2.2)	< .001	0.053

	HF (n = 1739 203)					Stroke (n = 790 348)					STEMI (n = 408 570)					NSTEMI (N = 293 356)					AS (n = 143 576)				
	Total	M	W	P	SDM	Total	H	M	P	SDM	Total	H	M	P	SDM	Total	H	M	P	SDM	Total	H	M	P	SDM
Epilepsy	17884 (1.0)	8087 (1.0)	9797 (1.0)	.163	0.002	30768 (3.9)	15385 (3.6)	15383 (4.2)	< .001	0.028	3291 (0.8)	2331 (0.8)	960 (0.8)	.096	0.006	2293 (0.8)	1504 (0.8)	789 (0.8)	.070	0.007	1610 (1.1)	981 (1.2)	629 (1.0)	< .001	0.021
Cardiogenic shock	9574 (0.6)	5240 (0.7)	4334 (0.5)	< .001	0.027	360 (0.0)	192 (0.0)	168 (0.0)	.999	<0.001	19638 (4.8)	12431 (4.2)	7207 (6.3)	< .001	0.095	4521 (1.5)	2810 (1.4)	1711 (1.8)	< .001	0.029	961 (0.7)	523 (0.6)	438 (0.7)	.305	0.006
Cardiorespiratory failure, excluding cardiogenic shock	490 (28.2)	194 (24.5)	296 (31.4)	< .001	0.154	27308 (3.5)	13467 (3.2)	13841 (3.8)	< .001	0.031	44535 (10.9)	29143 (9.9)	15392 (13.5)	< .001	0.113	20269 (6.9)	12158 (6.2)	8111 (8.5)	< .001	0.089	6273 (4.4)	3308 (4.1)	2965 (4.7)	< .001	0.029
Heart failure	-	-	-	-	-	63479 (8.0)	28180 (6.7)	35299 (9.6)	< .001	0.107	72710 (17.8)	43998 (14.9)	28712 (25.2)	< .001	0.259	62682 (21.4)	36090 (18.3)	26592 (27.8)	< .001	0.228	28649 (20.0)	14684 (18.2)	13965 (22.2)	< .001	0.098
AMI	1278 (0.1)	655 (0.1)	623 (0.1)	< .001	0.006	35 (0.0)	27 (0.0)	8 (0.0)	.008	0.006	-	-	-	-	-	-	-	-	-	-	80 (0.1)	50 (0.1)	30 (0.0)	.299	0.006
Unstable angina/other ACS	288 (0.0)	192 (0.0)	96 (0.0)	< .001	0.011	49 (0.0)	21 (0.0)	28 (0.0)	.179	0.003	5420 (1.3)	3906 (1.3)	1514 (1.3)	.914	<0.001	1256 (0.4)	820 (0.4)	436 (0.5)	.120	0.006	11 (0.0)	9 (0.0)	2 (0.0)	.157	0.009
Major congenital cardiac/circulatory defect (CC 92), Other congenital heart/circulatory disease (CC 93)	5101 (0.3)	2108 (0.3)	2993 (0.3)	< .001	0.010	9485 (1.2)	5479 (1.3)	4006 (1.1)	< .001	0.019	732 (0.2)	441 (0.1)	291 (0.3)	< .001	0.024	414 (0.1)	257 (0.1)	157 (0.2)	.024	0.009	569 (0.4)	330 (0.4)	239 (0.4)	.387	0.005
Ischemic heart disease	428 (24.7)	26 (33.0)	166175 (17.6)	< .001	0.360	88495 (11.2)	58062 (13.7)	30433 (8.3)	< .001	0.175	302101 (73.9)	230 (78.1)	71947 (63.2)	< .001	0.331	217812 (74.2)	157705 (79.8)	60107 (62.8)	< .001	0.382	42727 (29.8)	28504 (35.4)	14223 (22.6)	< .001	0.285
Valvular heart disease	553 (31.8)	228 (28.7)	325538 (34.5)	< .001	0.126	64735 (8.2)	27308 (6.5)	37427 (10.2)	< .001	0.135	52577 (12.9)	31211 (10.6)	21366 (18.8)	< .001	0.233	50854 (17.3)	29188 (14.8)	21666 (22.6)	< .001	0.203	-	-	-	-	-
Hypertension	538 (31.0)	227437 (28.6)	311252 (33.0)	< .001	0.095	451127 (57.1)	232 (55.0)	218 (59.4)	< .001	0.090	184 (45.3)	125387 (42.5)	59547 (52.3)	< .001	0.197	148 (50.5)	96126 (48.6)	52038 (54.4)	< .001	0.115	77639 (54.1)	41476 (51.5)	36163 (57.4)	< .001	0.119
Specific cardiac arrhythmias	898333 (51.7)	392314 (49.3)	506 (53.6)	< .001	0.086	203 (25.8)	88264 (20.9)	115637 (31.4)	< .001	0.242	58297 (14.3)	36980 (12.5)	21317 (18.7)	< .001	0.171	48349 (16.5)	29283 (14.8)	19066 (19.9)	< .001	0.135	39279 (27.4)	21349 (26.5)	17930 (28.5)	< .001	0.044
Stroke	6265 (0.4)	2817 (0.4)	3448 (0.4)	.222	0.002	739 (93.5)	394 (93.5)	344 (93.5)	.564	0.001	3122 (0.8)	1855 (0.6)	1267 (1.1)	< .001	0.052	1545 (0.5)	902 (0.5)	643 (0.7)	< .001	0.029	918 (0.6)	527 (0.7)	391 (0.6)	.447	0.004
Cerebral ischemia	68950 (4.0)	33142 (4.2)	35808 (3.8)	< .001	0.019	279 (35.3)	155346 (36.8)	123 (33.6)	< .001	0.066	8824 (2.2)	5618 (1.9)	3206 (2.8)	< .001	0.060	10091 (3.4)	6572 (3.3)	3519 (3.7)	< .001	0.019	4983 (3.5)	3065 (3.8)	1918 (3.0)	< .001	0.042
Vascular disease and complications	138505 (8.0)	90455 (11.4)	48050 (5.1)	< .001	0.230	49727 (6.3)	33826 (8.0)	15901 (4.3)	< .001	0.154	21199 (5.2)	16372 (5.6)	4827 (4.2)	< .001	0.061	25199 (8.6)	19721 (10.0)	5478 (5.7)	< .001	0.159	17655 (12.3)	12753 (15.8)	4902 (7.8)	< .001	0.251
COPD	297951 (17.1)	22 (28.5)	71292 (7.6)	< .001	0.566	56883 (7.2)	46570 (11.0)	10313 (2.8)	< .001	0.328	29129 (7.1)	25129 (8.5)	4000 (3.5)	< .001	0.212	26946 (9.2)	23433 (11.9)	3513 (3.7)	< .001	0.309	13473 (9.4)	11021 (13.7)	2452 (3.9)	< .001	0.351
Pneumonia	69216 (4.0)	34261 (4.3)	34955 (3.7)	< .001	0.031	37983 (4.8)	19909 (4.7)	18074 (4.9)	< .001	0.009	7862 (1.9)	5529 (1.9)	2333 (2.0)	< .001	0.013	5481 (1.9)	3702 (1.9)	1779 (1.9)	.804	0.001	1609 (1.1)	1040 (1.3)	569 (0.9)	< .001	0.037

	HF (n = 1739 203)					Stroke (n = 790 348)					STEMI (n = 408 570)					NSTEMI (N = 293 356)					AS (n = 143 576)				
	Total	M	W	P	SDM	Total	H	M	P	SDM	Total	H	M	P	SDM	Total	H	M	P	SDM	Total	H	M	P	SDM
Renal failure	672 938 (38.7)	331 448 (41.7)	341 490 (36.2)	< .001	0.113	87 300 (11.0)	45 954 (10.9)	41 346 (11.2)	< .001	0.012	46 891 (11.5)	29 832 (10.1)	17 059 (15.0)	< .001	0.147	55 279 (18.8)	35 692 (18.1)	19 587 (20.5)	< .001	0.061	22 402 (15.6)	13 167 (16.3)	9235 (14.7)	< .001	0.047
Trauma/other injuries	37 835 (2.2)	14 467 (1.8)	23 368 (2.5)	< .001	0.045	22 140 (2.8)	10 187 (2.4)	11 953 (3.2)	< .001	0.051	5749 (1.4)	3779 (1.3)	1970 (1.7)	< .001	0.037	3415 (1.2)	1950 (1.0)	1465 (1.5)	< .001	0.049	1992 (1.4)	1027 (1.3)	965 (1.5)	< .001	0.022
Anterior myocardial infarction	1306 (0.1)	740 (0.1)	566 (0.1)	< .001	0.012	564 (0.1)	323 (0.1)	241 (0.1)	.076	0.004	152 768 (37.4)	109 (37.2)	43 101 (37.9)	< .001	0.014	390 (0.1)	260 (0.1)	130 (0.1)	.806	0.001	116 (0.1)	70 (0.1)	46 (0.1)	.409	0.005
Nonanterior location of myocardial infarction	2240 (0.1)	1170 (0.1)	1070 (0.1)	< .001	0.009	952 (0.1)	521 (0.1)	431 (0.1)	.450	0.002	223 834 (54.8)	165 685 (56.2)	58 149 (51.1)	< .001	0.103	642 (0.2)	447 (0.2)	195 (0.2)	.240	0.005	356 (0.2)	202 (0.3)	154 (0.2)	.852	0.001
Severe infections	142 522 (8.2)	58 682 (7.4)	83 840 (8.9)	< .001	0.055	48 175 (6.1)	21 849 (5.2)	26 326 (7.2)	< .001	0.083	16 285 (4.0)	11 191 (3.8)	5094 (4.5)	< .001	0.034	12 144 (4.1)	7548 (3.8)	4596 (4.8)	< .001	0.048	5987 (4.2)	3391 (4.2)	2596 (4.1)	.408	0.004
Serious cancers (lymphatic, cerebral, colorectal, breast, etc)	102 238 (5.9)	59 793 (7.5)	42 445 (4.5)	< .001	0.127	37 790 (4.8)	22 280 (5.3)	15 510 (4.2)	< .001	0.050	10 559 (2.6)	7874 (2.7)	2685 (2.4)	< .001	0.020	10 162 (3.5)	7611 (3.9)	2551 (2.7)	< .001	0.067	4738 (3.3)	3193 (4.0)	1545 (2.5)	< .001	0.086
Other gastrointestinal disorders	287 306 (16.5)	111 029 (14.0)	176 277 (18.7)	< .001	0.128	78 588 (9.9)	34 807 (8.2)	43 781 (11.9)	< .001	0.122	30 297 (7.4)	18 707 (6.3)	11 590 (10.2)	< .001	0.140	28 237 (9.6)	16 326 (8.3)	11 911 (12.4)	< .001	0.138	13 300 (9.3)	6345 (7.9)	6955 (11.0)	< .001	0.108
Cerebral palsy/hemiplegia/hemiparesis	19 642 (1.1)	8395 (1.1)	11 247 (1.2)	< .001	0.013	180 830 (22.9)	89 764 (21.2)	91 066 (24.8)	< .001	0.083	3086 (0.8)	1842 (0.6)	1244 (1.1)	< .001	0.051	2636 (0.9)	1641 (0.8)	995 (1.0)	< .001	0.022	693 (0.5)	415 (0.5)	278 (0.4)	.049	0.011
Congenital heart disease	5894 (0.3)	2469 (0.3)	3425 (0.4)	< .001	0.009	9648 (1.2)	5568 (1.3)	4080 (1.1)	< .001	0.019	780 (0.2)	470 (0.2)	310 (0.3)	< .001	0.024	449 (0.2)	280 (0.1)	169 (0.2)	.026	0.009	612 (0.4)	349 (0.4)	263 (0.4)	.677	0.002
Hypertensive heart disease	28 542 (1.6)	10 636 (1.3)	17 906 (1.9)	< .001	0.044	37 142 (4.7)	17 641 (4.2)	19 501 (5.3)	< .001	0.053	9093 (2.2)	5504 (1.9)	3589 (3.2)	< .001	0.082	11 504 (3.9)	6498 (3.3)	5006 (5.2)	< .001	0.096	3395 (2.4)	1695 (2.1)	1700 (2.7)	< .001	0.039
Ischemic or unspecified stroke	4980 (0.3)	2080 (0.3)	2900 (0.3)	< .001	0.009	-	-	-	-	-	2529 (0.6)	1465 (0.5)	1064 (0.9)	< .001	0.052	1313 (0.4)	751 (0.4)	562 (0.6)	< .001	0.030	872 (0.6)	495 (0.6)	377 (0.6)	.721	0.002
Precerebral arterial thrombosis and transient ischemia	19 747 (1.1)	11 718 (1.5)	8029 (0.9)	< .001	0.058	-	-	-	-	-	3296 (0.8)	2282 (0.8)	1014 (0.9)	< .001	0.013	4772 (1.6)	3372 (1.7)	1400 (1.5)	< .001	0.019	3115 (2.2)	2022 (2.5)	1093 (1.7)	< .001	0.054
Cerebrovascular arteriosclerosis; aneurysm and other diseases	30 336 (1.7)	12 936 (1.6)	17 400 (1.8)	< .001	0.017	112 744 (14.3)	63 120 (14.9)	49 624 (13.5)	< .001	0.042	3036 (0.7)	1771 (0.6)	1265 (1.1)	< .001	0.055	3289 (1.1)	1895 (1.0)	1394 (1.5)	< .001	0.046	1203 (0.8)	633 (0.8)	570 (0.9)	.015	0.013
Pleural effusion/pneumothorax	113 938 (6.6)	59 106 (7.4)	54 832 (5.8)	< .001	0.065	4687 (0.6)	2436 (0.6)	2251 (0.6)	.043	0.005	3595 (0.9)	2216 (0.8)	1379 (1.2)	< .001	0.047	2855 (1.0)	1894 (1.0)	961 (1.0)	.242	0.005	5472 (3.8)	3078 (3.8)	2394 (3.8)	.844	0.001
Other eye disorders	14 530 (0.8)	5906 (0.7)	8624 (0.9)	< .001	0.019	27 465 (3.5)	15 923 (3.8)	11 542 (3.1)	< .001	0.035	2040 (0.5)	1368 (0.5)	672 (0.6)	< .001	0.017	1737 (0.6)	1040 (0.5)	697 (0.7)	< .001	0.026	774 (0.5)	440 (0.5)	334 (0.5)	.706	0.002
Other ENT diseases	37 945 (2.2)	14 067 (1.8)	23 878 (2.5)	< .001	0.053	18 843 (2.4)	9405 (2.2)	9438 (2.6)	< .001	0.022	4794 (1.2)	2956 (1.0)	1838 (1.6)	< .001	0.054	3950 (1.3)	2199 (1.1)	1751 (1.8)	< .001	0.060	2069 (1.4)	997 (1.2)	1072 (1.7)	< .001	0.039

	HF (n = 1739 203)					Stroke (n = 790 348)					STEMI (n = 408 570)					NSTEMI (N = 293 356)					AS (n = 143 576)				
	Total	M	W	P	SDM	Total	H	M	P	SDM	Total	H	M	P	SDM	Total	H	M	P	SDM	Total	H	M	P	SDM
Dialysis patients	11 258 (0.6)	7272 (0.9)	3986 (0.4)	< .001	0.060	2947 (0.4)	1716 (0.4)	1231 (0.3)	< .001	0.012	1337 (0.3)	959 (0.3)	378 (0.3)	.759	0.001	2647 (0.9)	1991 (1.0)	656 (0.7)	< .001	0.035	851 (0.6)	598 (0.7)	253 (0.4)	< .001	0.045
Urinary tract infection	124 228 (7.1)	36 152 (4.5)	88 076 (9.3)	< .001	0.189	53 532 (6.8)	16 181 (3.8)	37 351 (10.2)	< .001	0.250	12 058 (3.0)	5498 (1.9)	6560 (5.8)	< .001	0.205	10 257 (3.5)	4419 (2.2)	5838 (6.1)	< .001	0.194	3618 (2.5)	1438 (1.8)	2180 (3.5)	< .001	0.105
Genital diseases in men	98 041 (5.6)	98 040 (12.3)	1 (0.0)	< .001	0.530	40 724 (5.2)	40 723 (9.6)	1 (0.0)	< .001	0.462	18 372 (4.5)	18 372 (6.2)	0 (0.0)	< .001	0.365	15 437 (5.3)	15 437 (7.8)	0 (0.0)	< .001	0.412	7058 (4.9)	7058 (8.8)	0 (0.0)	< .001	0.438
Bedsores	25 683 (1.5)	9425 (1.2)	16 258 (1.7)	< .001	0.045	9056 (1.1)	3695 (0.9)	5361 (1.5)	< .001	0.054	1675 (0.4)	905 (0.3)	770 (0.7)	< .001	0.053	1232 (0.4)	650 (0.3)	582 (0.6)	< .001	0.041	534 (0.4)	288 (0.4)	246 (0.4)	.331	0.005
M, men; W, women; CVD, cardiovascular diseases; STEMI, ST elevation myocardial infarction; NSTEMI, non–ST-elevation myocardial infarction; HF, heart failure; AS, aortic valve disease; SDM, standard mean deviation; AMI, acute myocardial infarction; COPD, chronic obstructive pulmonary disease; CI, Confidence interval; SDM, standard deviation of the means.																									

The data are presented as median [interquartile range] or No. (%).

Table S4. Temporal trend in the age distribution of patients admitted for diseases of the circulatory system (2007-2022)

CVD	STEMI	NSTEMI	Stroke	HF	AS
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Year	Men	Women	Men	Women	Men	Women	Men	Women	Men	Women	Men	Women
2007	71 [60-79]	77 [69-84]	64 [54-75]	77 [68-84]	70 [59-78]	77 [70-83]	73 [64-80]	79 [73-85]	77 [70-83]	81 [75-86]	71 [63-77]	75 [69-79]
2008	71 [60-79]	78 [69-84]	64 [54-75]	77 [68-84]	70 [59-78]	78 [70-83]	74 [63-80]	80 [73-85]	77 [70-83]	82 [76-87]	71 [63-77]	75 [70-80]
2009	72 [60-79]	78 [69-84]	64 [53-75]	77 [67-84]	70 [59-78]	77 [69-84]	74 [63-80]	80 [73-86]	78 [71-83]	82 [76-87]	72 [63-78]	76 [70-81]
2010	72 [61-80]	79 [70-85]	64 [53-75]	77 [66-84]	70 [58-78]	78 [69-84]	74 [63-81]	80 [73-86]	78 [71-84]	82 [77-87]	73 [64-78]	77 [71-81]
2011	72 [61-80]	79 [70-85]	63 [53-75]	77 [66-84]	70 [59-79]	78 [69-83,2]	74 [63-81]	80 [73-86]	79 [71-84]	83 [77-87]	73 [65-79]	77 [71-81]
2012	72 [61-80]	79 [70-85]	63 [53-75]	77 [65-84]	70 [59-79]	78 [69-84]	74 [63-81]	80 [73-86]	79 [71-84]	83 [77-88]	73 [65-79]	77 [71-82]
2013	72 [61-80]	79 [70-85]	63 [53-74]	77 [65-84]	69 [59-79]	78 [69-84]	73 [63-81]	80 [73-86]	79 [71-85]	83 [77-88]	73 [66-79]	77 [71-82]
2014	72 [61-81]	80 [70-86]	63 [53-74]	76 [63-84]	69 [59-79]	78 [68-84]	73 [63-81]	81 [73-86]	79 [71-85]	83 [78-88]	74 [66-79]	78 [72-82]
2015	72 [61-81]	80 [70-86]	63 [53-74]	76 [62-84]	69 [59-79]	78 [68-84]	73 [63-82]	81 [72-86]	80 [71-85]	84 [78-88]	74 [66-80]	78 [72-83]
2016	72 [61-81]	80 [71-86]	62 [53-73]	76 [63-84]	69 [58-79]	78 [67-85]	73 [63-81]	81 [73-87]	80 [71-85]	84 [79-88]	75 [67-81]	79 [73-83]
2017	72 [61-81]	80 [70-86]	62 [53-73]	75 [62-84]	69 [59-79]	78 [67-85]	73 [63-82]	81 [72-87]	80 [71-86]	84 [79-89]	76 [68-82]	79 [73-84]
2018	72 [61-81]	81 [71-87]	62 [54-73]	74 [61-84]	69 [59-78]	78 [67-85]	73 [63-82]	81 [72-87]	80 [71-86]	85 [79-89]	75 [68-82]	80 [73-84]
2019	72 [61-82]	81 [70-87]	62 [54-73]	74 [62-84]	69 [59-78]	77 [67-85]	73 [63-82]	81 [72-87]	81 [72-86]	85 [79-89]	76 [68-82]	79 [73,8-84]
2020	72 [61-82]	81 [71-87]	62 [54-72]	73 [61-83]	68 [58-78]	76 [66-85]	72 [62-81]	81 [72-87]	80 [71-87]	85 [79-89]	76 [68-82]	80 [74-85]
2021	73 [62-82]	81 [71-88]	62 [54-72]	72 [61-83]	68 [58-78]	77 [66-85]	73 [62-81]	81 [71-87]	81 [72-87]	86 [80-90]	76 [69-82]	80 [74-85]
2022	73 [62-81]	81 [71-88]	62 [54-72]	72 [62-83]	69 [59-78]	77 [66-85]	73 [62-81]	81 [71-87]	81 [72-87]	86 [80-90]	76 [69-82]	80 [74-85]
TOTAL	72 [61-81]	79 [70-86]	63 [53-74]	76 [64-84]	69 [59-78]	78 [68-84]	73 [63-81]	81 [72-86]	79 [71-85]	84 [78-88]	74 [66-80]	78 [72-83]

CVD, cardiovascular diseases; STEMI, ST elevation myocardial infarction; NSTEMI: non–ST-elevation myocardial infarction; HF, heart failure; AS, aortic stenosis.

The data are presented as median [interquartile range].

Table S5. Trends in hospital length of stay in patients admitted for cardiovascular diseases (2007-2022)

CVD	STEMI	NSTEMI	Stroke	HF	AS
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Year	Men	Women	Men	Women	Men	Women	Year	Men	Women	Men	Women	Men	Women	Year	Men	Women	Men	Women
2007	7 [4,12]	7 [4,12]	7 [4,12]	8 [5,12]	8 [5,12]	7 [5,12]	8 [5,13]	8 [5,13]	8 [5,13]	7 [5,11]	7 [5,10]	8 [5,12]	7 [5,11]	7 [5,11]	8 [5,12]	11 [6,18]	11 [6,18]	10 [5,18]
2008	7 [4,12]	7 [4,12]	7 [4,12]	7 [5,12]	8 [5,12]	7 [5,12]	8 [5,13]	8 [5,13]	8 [5,13]	7 [5,10]	7 [5,10]	7 [5,11]	7 [5,11]	7 [5,11]	8 [5,11]	10 [6,17]	10 [6,17]	10 [6,17]
2009	7 [4,11]	7 [4,11]	7 [4,11]	7 [5,12]	7 [5,12]	7 [5,12]	8 [5,13]	8 [5,12]	8 [5,13]	7 [5,10]	7 [5,10]	7 [5,11]	7 [5,10]	7 [5,10]	7 [5,11]	10 [6,16]	10 [6,16]	10 [5,16]
2010	7 [4,11]	7 [4,11]	7 [4,11]	7 [5,11]	7 [5,12]	7 [5,11]	8 [5,12]	7 [5,12]	8 [5,13]	7 [4,10]	6 [4,9]	7 [4,11]	7 [5,10]	7 [5,10]	7 [5,11]	10 [6,15]	10 [6,15]	10 [6,15]
2011	7 [4,11]	6 [4,11]	7 [4,11]	7 [5,11]	7 [5,11]	7 [4,11]	7 [5,12]	7 [5,11]	7 [4,12]	6 [4,9]	6 [4,9]	7 [4,10]	7 [4,10]	7 [4,10]	7 [5,10]	9 [6,15]	9 [6,15]	9 [5,15]
2012	6 [4,10]	6 [4,10]	7 [4,11]	7 [4,11]	7 [4,11]	7 [4,11]	7 [4,11]	7 [4,11]	7 [4,12]	6 [4,9]	6 [4,9]	6 [4,10]	6 [4,10]	6 [4,10]	7 [5,10]	9 [6,15]	9 [6,15]	9 [6,14]
2013	6 [4,10]	6 [4,10]	6 [4,10]	7 [4,11]	7 [4,11]	7 [4,11]	7 [4,11]	7 [4,11]	7 [4,12]	6 [4,9]	6 [4,8]	6 [4,10]	6 [4,10]	6 [4,9]	7 [4,10]	9 [6,14]	9 [6,14]	9 [6,14]
2014	6 [4,10]	6 [4,10]	6 [4,10]	7 [4,11]	7 [4,11]	7 [4,10]	7 [4,11]	7 [4,11]	7 [4,11]	6 [4,9]	6 [4,8]	6 [4,9]	6 [4,9]	6 [4,9]	7 [4,10]	9 [6,14]	9 [6,14]	9 [5,13]
2015	6 [4,10]	6 [4,10]	6 [4,10]	7 [4,11]	7 [4,11]	7 [4,10]	7 [4,11]	7 [4,11]	7 [4,11]	6 [4,8]	5 [4,8]	6 [4,9]	6 [4,9]	6 [4,9]	6 [4,10]	9 [6,14]	9 [6,14]	9 [5,13]
2016	6 [4,10]	6 [4,10]	7 [4,10]	7 [4,11]	7 [4,11]	7 [4,11]	7 [4,11]	7 [4,11]	7 [4,12]	5 [4,8]	5 [4,8]	6 [4,9]	6 [4,9]	6 [4,9]	6 [4,9]	8 [6,13]	9 [6,13]	8 [5,13]
2017	6 [4,10]	6 [4,10]	6 [4,10]	7 [4,11]	7 [4,11]	7 [4,10]	7 [4,11]	7 [4,11]	7 [4,11]	5 [4,8]	5 [4,8]	6 [4,9]	6 [4,9]	6 [4,9]	6 [4,10]	8 [5,12]	8 [6,12]	8 [5,12]
2018	6 [4,10]	6 [4,10]	6 [4,10]	7 [4,11]	7 [4,11]	7 [4,11]	7 [4,11]	7 [4,11]	7 [4,11]	5 [4,8]	5 [4,8]	6 [4,8]	6 [4,9]	6 [4,9]	6 [4,9]	8 [5,12]	8 [6,13]	8 [5,12]
2019	6 [4,10]	6 [4,10]	6 [4,10]	7 [4,11]	7 [4,11]	7 [4,10]	7 [4,11]	7 [4,11]	7 [4,11]	5 [4,8]	5 [4,8]	6 [4,8]	6 [4,9]	6 [4,9]	6 [4,9]	8 [5,12]	8 [5,12]	8 [5,11]
2020	6 [4,10]	6 [3,10]	6 [4,10]	7 [4,10]	7 [4,11]	7 [4,10]	6 [4,11]	6 [4,10]	7 [4,11]	5 [3,7]	5 [3,7]	5 [3,8]	5 [4,8]	5 [3,8]	6 [4,8]	7 [5,11]	8 [5,11]	7 [5,11]
2021	6 [4,10]	6 [4,10]	6 [4,10]	7 [5,11]	7 [5,11]	7 [4,11]	7 [4,11]	7 [4,10]	7 [4,11]	5 [3,7]	5 [3,7]	5 [3,8]	5 [4,8]	5 [3,8]	6 [4,9]	7 [5,11]	7 [5,11]	7 [4,10]
2022	6 [4,10]	6 [4,10]	6 [4,10]	7 [4,11]	7 [4,11]	7 [4,11]	7 [4,11]	6 [4,10]	7 [4,11]	5 [3,7]	5 [3,7]	5 [3,8]	5 [4,8]	5 [3,8]	6 [4,9]	7 [4,11]	7 [4,11]	7 [4,10]
AAPC (IC)	-1.1 (-1.4 to -0.8)	-1.1 (-1.4 to -0.8)	-1.1 (-1.9 to -0.2)	-0.8 (-1.1 to -0.4)	-0.7 (-1.1 to -0.3)	-0.8 (-1 to -0.6)	-1.5 (-2.1 to -0.9)	-1.5 (-2 to -0.9)	-1.6 (-2.2 to -1)	-2.5 (-2.7 to -2.3)	-2.1 (-2.5 to -1.8)	-2 (-2.6 to -1.3)	-1.9 (-2.1 to -1.7)	-1.8 (-2 to -1.7)	-2.1 (-2.4 to -1.9)	-2.8 (-3.0 to -2.6)	-2.6 (-2.8 to -2.4)	-3.1 (-3.3 to -2.9)

AAPC, average annual percent change; CI, confidence interval; CVD, cardiovascular diseases; STEMI, ST elevation myocardial infarction; NSTEMI, non–ST-elevation myocardial infarction; HF, heart failure; AS, aortic stenosis.

The data are presented as median [interquartile range].

Table S6. Temporary trends in crude and risk-adjusted hospital mortality (2007-2022)

	Period	IP	Total				Men				Women								
			AAPC	95%CI	APC	95%CI	CR	IP	AAPC	95%CI	APC	95%CI	CR	IP	AAPC	95%CI	APC	95%CI	CR
Crude mortality rate																			
CVD	2007-2022	1	0.6	(0.2; 1.1)			1.029	1	0.5	(0.0; 1.1)			1.146	0	0.5	(0.1 to 0.9)			1.214*
	2007-2014				-0.5	(-1.3; 0.4)					-0.8	(-1.7; 0.1)							
	2014-2022				1.6	(0.9; 2.3)					1.7	(1.0; 2.5)							
STEMI	2007-2022	0	-3.2	(-3.5; -2.9)			1.053	0	-2.9	(-3.2 to -2.5)			1.044	0	-3.3	(-3.7 to -2.9)			1.064
NSTEMI	2007-2022	0	-1.1	(-1.4 to -0.8)			0.986	0	-1.4	(-1.9 to 0.9)			0.984	0	-0.5	(-0.9 to 0)			0.983
Stroke	2007-2022	0	-0.7	(-1.0 to -0.4)			1.022	0	-1	(-1.4 to -0.6)			1.008	0	-0.3	(-0.6 to 0.1)			1.034
HF	2007-2022	1	1.3	(0.8 to 1.7)			0.987	1	1.1	(0.6 to 1.5)			0.976	0	1.1	(0.7 to 1.5)	1.1	(0.7 to 1.5)	1.037
	2007-2014				-0.2	(-1.1 to 0.7)					-0.7	(-1.5 to 0.2)							
	2014-2022				2.5	(1.9 to 3.2)					2.6	(2 to 3.3)							
AS	2007-2022	0	-4.2	(-4.8 to -3.5)			1.114	0	-4.8	(-6 to -3.5)			1.212	0	-3.6	(-4.7 to -2.6)			1.025
Risk-adjusted mortality rate																			
CVD	2007-2022	1	-2.3	(-3.6; -0.9)			1.164*	1	-2.2	(-3.2; -1.2)			1.146*	0	-2.3	(-2.9; -1.6)			1.214*
	2007-2010				-4.9	(-11.4; 2.0)													
	2010-2022				-1.6	(-2.4; -0.8)													
	2007-2012										-3.9	(-6.6; -1.1)							
	2012-2022										-1.3	(-2.3; -0.3)							
STEMI	2007-2023	2	-2.7	(-4.1; -1.4)			1.177*	2	-2.7	(-4.5; -0.8)			1.150*	0	-3.4	(-4.3; -2.5)			1.319*
	2007-2013				-4.6	(-5.7; -3.5)					-5	(-6.4; -3.4)							
	2013-2016				1.5	(-5.7; 9.2)					2.7	(-7.2; 13.6)							
	2016-2022				-2.9	(-4.2; -1.5)					-2.9	(-4.8; -1.1)							
NSTEMI	2007-2022	0	-2.9	(-3.7; -2.1)			1.267*	2	-2.3	(-3.6; -1.1)			1.089	0	-2.4	(-3.1; -1.7)			1.219*
	2007-2014										-4.5	(-5.6; -3.3)							
	2014-2018										3.2	(-1.3; 7.8)							
	2018-2022										-3.9	(-6.5; -1.3)							
Stroke	2007-2022	0	-2.2	(-3.3; -1.1)			1.167*	1	-2.4	(-3.7; -1.1)			1.178*	0	-2.2	(-2.8; -1.6)			1.192*

		Total						Men						Women					
	Period	IP	AAPC	95%CI	APC	95%CI	CR	IP	AAPC	95%CI	APC	95%CI	CR	IP	AAPC	95%CI	APC	95%CI	CR
HF	2007-2013				-3.4	(-5.8; -1.0)													
	2013-2022				-1.3	(-2.6; -0.0)													
	2007-2012										-4.5	(-8.0; -0.9)							
	2012-2022										-1.4	(-2.7; -0.1)							
	2007-2022	1	-1.9	(-3.1; -0.8)			1.109*	1	-1.8	(-2.8; -0.9)			1.111*	0	-1	(-1.8; -0.2)			1.111*
	2007-2011				-5	(-9.0; -0.9)													
	2011 – 2022				-0.8	(-1.6; 0.0)													
	2007-2013										(-6.1; -1.9)	-4.2							
	2013-2022										(-1.4; 0.7)	-0.7							
	2007-2010																-6	(-13.0; 1.4)	
AS	2010-2022																-1	(-1.8; -0.2)	
	2007-2022	0	-7.6	(-9.4; -5.7)			1.855*	0	-8.7	(-10.8; -6.5)			1.938*	0	-6.5	(-8.4; -4.5)			1.785*
AAPC, average annual percent change; APC, annual percent change; AS, aortic stenosis; 95%CI, 95% confidence interval; CR, comparability ratio; CVD, cardiovascular diseases; HF, heart failure; IP, number of inflexion points; NSTEMI, non-ST-segment myocardial infarction; STEMI, ST-elevation myocardial infarction;																			

*CR statistically significant ($P < .05$).