

Table S3. The DALYs and age-standardized DALYs rate of non-rheumatic calcific aortic valve disease in 1990 and 2019 and its temporal trends from 1990 to 2019.

	1990		2019		1990–2019	1990–2019
	Cases	Age-standardized DALY	Cases	Age-standardized DALY rate	Age-standardized DALY rate	AAPC No.
	No. (95% UI)	rate (per 100,000) No. (95% UI)	No. (95% UI)	(per 100,000) No. (95% UI)	Percentage change (95% UI)	(95% CI)
Global	975894 (872009 to 1109788)	26.85 (24.07 to 30.31)	1837751 (1637023 to 2031852)	23.9 (21.1 to 26.55)	-10.97 (-17.94 to -3.46)	-0.33 (-0.48 to -0.19)
Female	442232 (381940 to 551815)	22.3 (19.27 to 27.31)	893719 (765940 to 1032792)	20.48 (17.55 to 23.69)	-8.18 (-17.87 to 1.21)	-0.22 (-0.39 to -0.04)
Male	533661 (481123 to 594233)	31.47 (28.7 to 34.63)	944032 (864570 to 1036413)	27.4 (24.8 to 29.99)	-12.94 (-19.92 to -4.25)	-0.42 (-0.56 to -0.29)
High SDI	553755 (508564 to 609841)	52.88 (48.59 to 58.27)	913672 (778952 to 1005197)	42.88 (37.5 to 47)	-18.9 (-24.94 to -13.51)	-0.68 (-0.78 to -0.57)
High-middle SDI	178055 (162774 to 197284)	17.25 (15.73 to 19.19)	395647 (353615 to 437845)	20.21 (18.01 to 22.35)	17.15 (2.71 to 29.36)	0.51 (0.38 to 0.64)
Middle SDI	121004 (98914 to 146117)	10.48 (8.62 to 12.68)	251024 (227014 to 281657)	10.18 (9.21 to 11.4)	-2.79 (-17.93 to 21.45)	-0.13 (-0.19 to -0.08)
Low-middle SDI	81108 (53195 to 111592)	12.97 (8.69 to 17.57)	187228 (149865 to 235314)	13.56 (10.9 to 16.84)	4.53 (-12.79 to 34.18)	0.16 (0.09 to 0.23)
Low SDI	41391 (22473 to 63108)	16.14 (9.28 to 23.73)	89078 (62680 to 119761)	15.8 (11.57 to 20.29)	-2.11 (-22.92 to 34.05)	-0.12 (-0.15 to -0.08)
High-income Asia Pacific	70903 (63434 to 81928)	38.17 (33.96 to 44.37)	142126 (109597 to 165943)	24.46 (19.89 to 28.22)	-35.91 (-45.57 to -27.93)	-1.49 (-1.81 to -1.16)
High-income North America	206708 (189977 to 224974)	57.8 (53.37 to 62.81)	314811 (274623 to 346354)	46.8 (41.53 to 51.25)	-19.04 (-24.18 to -14)	-0.73 (-0.93 to -0.54)
Western Europe	321786 (294953 to 357151)	55.48 (50.82 to 61.36)	543784 (471461 to 598088)	51.94 (45.69 to 56.95)	-6.38 (-14.12 to 1.55)	-0.17 (-0.3 to -0.03)
Australasia	12154 (11119 to 13476)	52.52 (47.85 to 58.16)	23975 (20443 to 27499)	44.54 (38.48 to 51.02)	-15.19 (-23.88 to -5.18)	-0.52 (-0.74 to -0.3)
Andean Latin	3304	13.67	7264	12.54	-8.29	-0.2

America		(2471 to 4283)	(10.36 to 17.42)	(5877 to 8871)	(10.21 to 15.28)	(-31.73 to 27.17)	(-0.41 to 0.01)
Tropical Latin		43137	41.46	70731	29.5	-28.84	-1.16
America		(38392 to 47877)	(36.63 to 45.36)	(63569 to 80921)	(26.5 to 33.74)	(-34.8 to -20.16)	(-1.25 to -1.07)
Central Latin		18125	18.85	44870	18.72	-0.73	-0.07
America		(16449 to 20015)	(17.19 to 20.94)	(36842 to 55560)	(15.4 to 23.13)	(-17.42 to 22.44)	(-0.36 to 0.23)
Southern Latin		24229	54.79	42481	50.54	-7.77	-0.16
America		(21712 to 27031)	(48.95 to 61.1)	(38287 to 46438)	(45.69 to 55.27)	(-18.99 to 4.37)	(-0.32 to 0)
Caribbean		6313	22.61	11324	22.09	-2.27	0
		(5372 to 7234)	(19.31 to 25.69)	(9158 to 14157)	(17.87 to 27.65)	(-18.67 to 16.82)	(-0.18 to 0.18)
Central Europe		20994	14.59	84108	39.15	168.33	3.6
		(18132 to 25377)	(12.57 to 17.61)	(69743 to 99017)	(32.37 to 46.15)	(93.69 to 224.57)	(3.25 to 3.94)
Eastern Europe		14221	5.25	46125	14.17	169.8	3.42
		(11028 to 16353)	(4.11 to 6.02)	(37773 to 56568)	(11.57 to 17.34)	(114.91 to 265.33)	(2.68 to 4.17)
Central Asia		1757	3.48	5538	7.45	113.88	2.58
		(1480 to 1956)	(2.89 to 3.92)	(4671 to 6969)	(6.27 to 9.38)	(74.11 to 186.27)	(1.85 to 3.32)
North Africa and		49071	24.77	100971	21.11	-14.77	-0.58
Middle East		(36291 to 61474)	(18.02 to 31.02)	(84200 to 119652)	(17.59 to 24.72)	(-30.89 to 20.78)	(-0.65 to -0.52)
South Asia		76867	13.86	190680	13.83	-0.25	0.02
		(44619 to 111682)	(8.35 to 19.67)	(144057 to 248601)	(10.63 to 17.66)	(-21.64 to 38.44)	(-0.14 to 0.19)
Southeast Asia		17125	6.22	39382	6.49	4.38	0.21
		(14082 to 23373)	(5.14 to 8.24)	(32225 to 50172)	(5.36 to 8.18)	(-16.05 to 35.53)	(0.13 to 0.29)
East Asia		46987	4.71	86816	4.36	-7.57	-0.24
		(30302 to 66132)	(3.06 to 6.62)	(70962 to 103738)	(3.59 to 5.18)	(-38.27 to 53.8)	(-0.44 to -0.03)
Oceania		542	15.64	1275	15.58	-0.37	-0.01
		(322 to 826)	(9.68 to 23.28)	(819 to 1885)	(10.6 to 22.16)	(-19.88 to 25.89)	(-0.12 to 0.09)
Western		15626	15.2	31347	13.17	-13.36	-0.49
Sub-Saharan		(8040 to 24983)	(8 to 23.99)	(21263 to 45261)	(9.11 to 18.49)	(-35.16 to 27.51)	(-0.59 to -0.4)
Africa		15687	18.86	29973	16.91	-10.36	-0.4
Eastern		(9220 to 24319)	(12.21 to 27.88)	(22891 to 39839)	(13.45 to 21.67)	(-35.05 to 29.79)	(-0.5 to -0.3)
Sub-Saharan							

Africa						
Central						
Sub-Saharan	4595	19.38	10426	18.97	-2.11	-0.11
Africa	(2589 to 7527)	(11.77 to 30.04)	(6840 to 15597)	(13.23 to 26.91)	(-29.55 to 39.69)	(-0.16 to -0.05)
Southern						
Sub-Saharan	5763	17.96	9744	17.24	-4.01	-0.07
Africa	(4929 to 7016)	(15.51 to 21.18)	(8365 to 11082)	(14.86 to 19.32)	(-17.76 to 10.29)	(-0.3 to 0.16)

AAPC, average annual percentage change; DALY, disability-adjusted life-years; SDI, sociodemographic index; UI, uncertainty interval; CI, confidence interval.