

Table S2. The incidence cases and age-standardized incidence 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	ASIR (per 100,000)	Cases	ASIR (per 100,000)	ASIR Percentage change	AAPC
	No. (95% UI)	No. (95% UI)	No. (95% UI)	No. (95% UI)	(ASIR, 95% UI)	No. (95% CI)
Global	130822 (110701 to 156022)	3.25 (2.76 to 3.86)	589638 (512895 to 677062)	7.13 (6.22 to 8.15)	119.24 (108.72 to 131.69)	2.85 (2.44 to 3.26)
Female	61178 (50969 to 73841)	2.88 (2.41 to 3.45)	275833 (239867 to 317136)	6.31 (5.49 to 7.26)	119.27 (107.45 to 134.6)	2.9 (2.58 to 3.22)
Male	69644 (59317 to 82577)	3.63 (3.11 to 4.27)	313805 (271313 to 360915)	7.95 (6.92 to 9.09)	119.05 (108.57 to 130.95)	2.82 (2.37 to 3.27)
High SDI	92683 (76421 to 112271)	9.18 (7.65 to 11.05)	329823 (285980 to 381248)	19.04 (16.65 to 21.96)	107.46 (94.77 to 121.84)	2.63 (2.19 to 3.08)
High-middle SDI	26389 (22287 to 31007)	2.4 (2.04 to 2.79)	193217 (163540 to 225654)	9.59 (8.14 to 11.18)	298.74 (283.11 to 316)	4.95 (4.72 to 5.19)
Middle SDI	6192 (5244 to 7327)	0.63 (0.54 to 0.73)	49938 (41587 to 59436)	1.89 (1.59 to 2.23)	182.34 (156.46 to 215.14)	3.86 (3.66 to 4.06)
Low-middle SDI	3905 (3335 to 4608)	0.77 (0.66 to 0.9)	12597 (10820 to 14600)	0.98 (0.85 to 1.14)	26.78 (23.12 to 31.13)	0.83 (0.76 to 0.9)
Low SDI	1618 (1390 to 1879)	0.82 (0.71 to 0.94)	3860 (3343 to 4455)	0.84 (0.73 to 0.97)	-3.56 (-5.15 to -1.93)	0.1 (0.07 to 0.14)
High-income	30473 (25249 to 36916)	15.12 (12.61 to 18.17)	88601 (73613 to 107125)	25.04 (21.32 to 29.6)	65.55 (55.74 to 75.72)	1.76 (1.68 to 1.85)
Asia Pacific	48905 (39764 to 59971)	14.32 (11.71 to 17.4)	123568 (106451 to 142325)	20.23 (17.61 to 23.2)	41.24 (25.04 to 60.36)	2.21 (1.21 to 3.23)
High-income	15951 (13209 to 19243)	2.96 (2.46 to 3.57)	116514 (98950 to 138347)	14.9 (12.77 to 17.56)	403.33 (367.91 to 444.76)	6.12 (5.55 to 6.69)
North America	1260 (1103 to 1452)	5.56 (4.9 to 6.32)	20173 (17134 to 23512)	44.39 (38.08 to 51.79)	698.05 (597.68 to 830.16)	7.46 (7.31 to 7.61)
Western Europe	152 (134 to 173)	0.72 (0.65 to 0.81)	2147 (1861 to 2465)	3.62 (3.14 to 4.16)	400.47 (344.34 to 463.24)	6.12 (5.63 to 6.6)
Australasia						
Andean Latin America						

Tropical America	Latin	1950 (1674 to 2279)	2.22 (1.91 to 2.57)	6585 (5610 to 7682)	2.71 (2.31 to 3.15)	21.64 (14.55 to 30.02)	0.65 (0.57 to 0.73)
Central America	Latin	1051 (916 to 1201)	1.19 (1.05 to 1.35)	5750 (4954 to 6617)	2.29 (1.99 to 2.63)	93.42 (78.8 to 108.5)	2.39 (1.53 to 3.26)
Southern America	Latin	1088 (897 to 1431)	2.59 (2.13 to 3.46)	8727 (7730 to 9923)	10.64 (9.44 to 12.08)	311.48 (214.61 to 401.02)	4.93 (4.51 to 5.35)
Caribbean		443 (398 to 493)	1.7 (1.53 to 1.88)	2350 (2015 to 2734)	4.49 (3.86 to 5.21)	164.97 (135.37 to 193.6)	3.52 (3.24 to 3.81)
Central Europe		9801 (8263 to 11497)	6.59 (5.52 to 7.69)	57281 (48866 to 67322)	33.16 (28.29 to 38.67)	403.37 (358.25 to 448.46)	6.11 (5.72 to 6.5)
Eastern Europe		7933 (6360 to 9591)	2.9 (2.34 to 3.48)	68415 (55228 to 82915)	22.58 (18.38 to 27.04)	678.78 (631.44 to 732.11)	7.51 (7.3 to 7.72)
Central Asia		330 (268 to 403)	0.66 (0.54 to 0.8)	2645 (2183 to 3113)	2.86 (2.37 to 3.35)	335.57 (282.18 to 389.39)	5.16 (4.96 to 5.36)
North Africa and Middle East		2036 (1746 to 2369)	1.19 (1.04 to 1.36)	7070 (5978 to 8346)	1.46 (1.27 to 1.69)	22.68 (16.65 to 29.87)	0.99 (0.59 to 1.4)
South Asia		4129 (3483 to 4942)	0.93 (0.79 to 1.09)	12370 (10486 to 14621)	1.01 (0.85 to 1.18)	7.86 (5.96 to 9.56)	0.29 (0.23 to 0.35)
Southeast Asia		713 (593 to 862)	0.32 (0.27 to 0.38)	3295 (2778 to 3940)	0.54 (0.46 to 0.64)	69.72 (56.21 to 84.64)	1.85 (1.8 to 1.89)
East Asia		2971 (2366 to 3782)	0.34 (0.28 to 0.42)	56641 (45299 to 69328)	2.61 (2.11 to 3.15)	665.55 (544.2 to 807.08)	7.18 (6.96 to 7.41)
Oceania		28 (24 to 33)	1.07 (0.91 to 1.26)	130 (109 to 153)	1.73 (1.47 to 2.04)	61.9 (46.07 to 80.31)	1.42 (1.13 to 1.71)
Western Sub-Saharan Africa		505 (429 to 597)	0.57 (0.49 to 0.66)	1160 (992 to 1365)	0.58 (0.5 to 0.67)	1.73 (-0.39 to 3.81)	0.08 (0.05 to 0.1)
Eastern Sub-Saharan Africa		500 (433 to 575)	0.83 (0.74 to 0.95)	1166 (1015 to 1351)	0.84 (0.73 to 0.96)	0.6 (-1.77 to 3.41)	0.05 (0.01 to 0.09)

Central Sub-Saharan Africa	163 (142 to 187)	0.94 (0.84 to 1.06)	411 (360 to 472)	0.97 (0.87 to 1.1)	3.47 (-0.48 to 6.92)	0.15 (0.11 to 0.19)
Southern Sub-Saharan Africa	441 (374 to 516)	1.62 (1.38 to 1.91)	4637 (3717 to 5702)	7.09 (5.73 to 8.6)	337.49 (269.44 to 416.62)	5.68 (5.08 to 6.28)

AAPC, average annual percentage change; ASIR, age-standardised incidence rates; SDI, sociodemographic index; UI, uncertainty interval; CI, confidence interval.