

**Supplementary Table SI.** List of International Classification of Diseases (ICD) codes mapped to the Global Burden of Disease cause list for causes of death

Cause	ICD10	ICD9
Chronic obstructive pulmonary disease	J41-J44.9	491-492.9, 496-499
Asthma	J45-J46.9	493-493.9
Pneumoconiosis	J60-J63.8, J92.0	500-504.9
Interstitial lung disease and pulmonary sarcoidosis	D86-D86.2, D86.9, J84-J84.9	135-135.9, 515, 516-516.9
Upper respiratory infection	J00-J02.8, J03-J03.8, J04-J04.2, J05-J05.1, J06.0-J06.8, J36-J36.0	034.0, 460-464.4, 464.8-464.9, 465.0-465.8, 475-475.9, 476.9
Lower respiratory infections	A48.1, A70, B34.2, B97.2, B97.4-B97.6, J09-J15.8, J16-J16.9, J20-J21.9, J91.0, P23.0-P23.4, U04-U04.9	079.6, 466-469, 470.0, 480-482.8, 483.0-483.9, 484.1-484.2, 484.6-484.7, 487-489
Tracheal, bronchus, and lung cancer	C33-C34.9, D02.1-D02.3, D14.2-D14.3, D38.1	162-162.9, 212.2-212.3, 231.1-231.2, 235.7
Pulmonary arterial hypertension	I27.0	416.0
Tuberculosis	A10-A14, A15-A19.9, B90-B90.9, K67.3, K93.0, M49.0, N74.1, P37.0, U84.3	010-019.9, 137-137.9, 138.0-138.9, 320.4, 730.4-730.6

Abbreviation: ICD, international classification of diseases.

**Supplementary Table SII.** Chronic obstructive pulmonary disease incidence in 1990 and 2021 in adolescents and young adults and EAPC in ASIR by location

location	Number in 1990 (95% UI)	Rate in 1990 (95% UI)	Number in 2021 (95% UI)	Rate in 2021 (95% UI)	EAPC in ASIR between 1990 and 2021
Global	732800.06 (617479.84, 846688.29)	33.43 (28.17, 38.63)	934670.04 (773734.60, 1096599.82)	31.42 (26.01, 36.86)	-0.26 (-0.29, -0.24)
SDI regions					
High SDI	101578.04 (82022.01, 122078.52)	29.28 (23.64, 35.18)	90348.27 (73471.60, 107603.20)	25.58 (20.80, 30.46)	-0.53 (-0.57, -0.48)
High-middle SDI	154963.42 (131344.79, 179404.94)	34.24 (29.02, 39.64)	138602.62 (114460.68, 163493.94)	31.48 (26.00, 37.14)	-0.37 (-0.41, -0.32)
Middle SDI	253753.61 (213627.97, 293824.91)	33.72 (28.38, 39.04)	288395.23 (235985.69, 342624.37)	31.09 (25.44, 36.94)	-0.34 (-0.37, -0.31)
Low-middle SDI	159455.35 (135783.41, 181111.16)	35.17 (29.95, 39.95)	271792.43 (229295.20, 312537.46)	33.87 (28.57, 38.95)	-0.14 (-0.16, -0.13)
Low SDI	62450.42 (52371.14, 72427.98)	33.88 (28.41, 39.30)	144830.58 (120732.11, 170022.68)	32.25 (26.89, 37.86)	-0.18 (-0.20, -0.16)
GBD regions					
Central Asia	10873.86 (9672.41, 11926.26)	38.22 (33.99, 41.91)	12314.70 (10482.48, 14127.85)	32.94 (28.04, 37.79)	-0.58 (-0.61, -0.55)
East Asia	200913.76 (170292.94, 229738.70)	35.52 (30.10, 40.61)	146502.98 (118991.14, 175798.70)	30.58 (24.84, 36.70)	-0.67 (-0.74, -0.60)
South Asia	157326.97 (133706.51, 177586.39)	36.45 (30.98, 41.14)	278889.63 (235734.53, 320106.55)	35.26 (29.80, 40.47)	-0.11 (-0.13, -0.10)
Southeast Asia	67676.88 (57647.53, 78046.27)	34.35 (29.26, 39.62)	91847.61 (76244.15, 107427.08)	33.12 (27.49, 38.74)	-0.17 (-0.19, -0.15)
High-income Asia Pacific	13268.36 (9856.27, 17490.57)	19.66 (14.60, 25.91)	8547.11 (6411.64, 11145.59)	16.91 (12.69, 22.05)	-0.32 (-0.56, -0.09)
Oceania					
Australasia	1072.73 (994.10, 1138.36)	40.38 (37.42, 42.85)	2293.60 (2118.39, 2435.72)	40.71 (37.60, 43.23)	0.01 (-0.00, 0.01)
Central Europe	1493.35 (1059.82, 1949.20)	18.31 (13.00, 23.91)	1539.93 (1106.00, 2034.67)	14.71 (10.56, 19.43)	-0.87 (-0.99, -0.75)
Central Europe	14862.17 (12220.69, 17728.50)	31.72 (26.09, 37.84)	10526.56 (8537.97, 12724.43)	30.06 (24.38, 36.34)	-0.14 (-0.15, -0.12)
Eastern Europe	31016.09 (26008.68, 35596.44)	36.16 (30.32, 41.50)	23149.19 (19390.90, 26863.50)	34.98 (29.30, 40.60)	-0.08 (-0.10, -0.07)
Western Europe	49799.64 (41257.75, 58428.97)	34.55 (28.63, 40.54)	42738.36 (34867.75, 50456.79)	32.93 (26.87, 38.88)	-0.20 (-0.25, -0.16)
Andean Latin America	3084.71 (2328.78, 4108.11)	19.95 (15.06, 26.57)	5238.15 (3883.75, 6824.55)	19.34 (14.34, 25.20)	-0.11 (-0.17, -0.05)
Central Latin America	16466.52 (12817.48, 20734.32)	24.12 (18.78, 30.37)	25111.67 (19588.51, 31445.88)	24.82 (19.36, 31.08)	0.04 (-0.02, 0.09)
High-income North America	34387.37 (27868.05, 41904.68)	30.35 (24.59, 36.98)	27044.27 (22442.18, 31597.27)	21.95 (18.22, 25.65)	-1.32 (-1.46, -1.17)
Southern Latin America	3765.84 (2929.44, 4823.04)	19.74 (15.35, 25.28)	4583.40 (3426.28, 5816.16)	17.77 (13.28, 22.55)	-0.42 (-0.46, -0.39)
Tropical Latin America	21626.27 (17678.15, 25688.14)	33.63 (27.49, 39.94)	27008.84 (21728.65, 32543.75)	30.58 (24.61, 36.85)	-0.38 (-0.43, -0.33)
Caribbean	3329.24 (2592.11, 4201.26)	22.40 (17.44, 28.26)	4485.88 (3506.42, 5651.54)	24.64 (19.26, 31.05)	0.19 (0.12, 0.25)
Central Sub-Saharan Africa	5740.38 (4584.67, 7141.10)	27.65 (22.08, 34.39)	14492.88 (11599.38, 17870.89)	26.79 (21.44, 33.04)	-0.13 (-0.15, -0.10)
Eastern Sub-Saharan Africa	21724.58 (17602.78, 26145.98)	30.65 (24.83, 36.88)	51544.31 (41631.53, 62122.91)	29.42 (23.76, 35.46)	-0.17 (-0.18, -0.15)
North Africa and Middle East	44424.59 (37378.67, 51477.51)	33.19 (27.93, 38.46)	86766.16 (72843.86, 100270.66)	34.12 (28.65, 39.44)	0.08 (0.06, 0.10)
Southern Sub-Saharan Africa	6967.37 (5737.79, 8326.77)	32.23 (26.55, 38.52)	10491.40 (8529.85, 12589.93)	30.82 (25.06, 36.99)	-0.17 (-0.20, -0.14)
Western Sub-Saharan Africa	22979.39 (18703.67, 27342.52)	32.11 (26.13, 38.20)	59553.41 (48777.40, 71591.55)	31.15 (25.51, 37.44)	-0.07 (-0.09, -0.05)
Countries					
Afghanistan	1184.95 (1006.13, 1311.85)	37.62 (31.95, 41.65)	4497.68 (3841.27, 5066.04)	36.80 (31.43, 41.45)	-0.21 (-0.29, -0.13)

location	Number in 1990 (95% UI)	Rate in 1990 (95% UI)	Number in 2021 (95% UI)	Rate in 2021 (95% UI)	EAPC in ASIR between 1990 and 2021
Albania	399.69 (314.08, 502.92)	28.14 (22.11, 35.41)	247.08 (190.98, 313.96)	26.06 (20.14, 33.12)	-0.45 (-0.54, -0.36)
Algeria	3669.85 (3080.36, 4183.92)	36.32 (30.49, 41.41)	6116.75 (5123.16, 7083.06)	35.92 (30.09, 41.60)	-0.05 (-0.07, -0.04)
American Samoa	7.98 (7.08, 8.75)	39.42 (35.01, 43.23)	6.02 (5.21, 6.92)	34.45 (29.81, 39.63)	-0.55 (-0.58, -0.51)
Andorra	8.93 (7.18, 10.56)	35.71 (28.72, 42.22)	8.89 (7.18, 10.49)	34.88 (28.15, 41.12)	-0.09 (-0.14, -0.05)
Angola	1106.46 (884.19, 1375.97)	28.28 (22.60, 35.17)	2827.62 (2204.00, 3562.28)	23.24 (18.12, 29.28)	-0.75 (-0.78, -0.71)
Antigua and Barbuda	3.87 (2.77, 5.18)	15.00 (10.75, 20.10)	6.17 (4.46, 8.07)	17.93 (12.97, 23.47)	0.44 (0.33, 0.54)
Argentina	2683.45 (2093.06, 3373.15)	21.97 (17.13, 27.61)	3462.01 (2610.42, 4388.28)	19.76 (14.90, 25.04)	-0.37 (-0.40, -0.35)
Armenia	458.76 (370.10, 554.78)	31.92 (25.75, 38.60)	319.44 (249.94, 389.46)	29.71 (23.25, 36.23)	-0.34 (-0.41, -0.27)
Australia	1244.09 (886.76, 1630.55)	18.37 (13.09, 24.08)	1248.61 (885.43, 1673.70)	14.40 (10.21, 19.31)	-0.90 (-1.01, -0.80)
Austria	1112.25 (914.06, 1284.93)	37.05 (30.45, 42.80)	1047.78 (868.40, 1218.70)	37.12 (30.77, 43.18)	-0.04 (-0.09, 0.01)
Azerbaijan	1181.02 (989.89, 1353.34)	37.16 (31.15, 42.58)	1318.03 (1058.16, 1590.05)	31.12 (24.98, 37.54)	-0.76 (-0.83, -0.68)
Bahamas	19.58 (14.49, 25.89)	16.59 (12.28, 21.94)	29.31 (21.59, 37.75)	18.95 (13.96, 24.41)	0.36 (0.27, 0.46)
Bahrain	85.40 (68.75, 102.89)	33.32 (26.82, 40.14)	214.74 (170.25, 263.57)	30.52 (24.20, 37.46)	-0.31 (-0.36, -0.26)
Bangladesh	15693.47 (13235.95, 17816.32)	37.18 (31.36, 42.21)	23404.91 (19000.45, 27665.94)	34.01 (27.61, 40.20)	-0.28 (-0.34, -0.22)
Barbados	17.45 (12.69, 22.92)	15.99 (11.63, 21.00)	17.68 (12.80, 23.08)	17.89 (12.96, 23.36)	0.26 (0.19, 0.33)
Belarus	1423.41 (1191.93, 1656.42)	36.09 (30.22, 41.99)	932.00 (750.03, 1137.80)	31.77 (25.57, 38.78)	-0.49 (-0.53, -0.45)
Belgium	1213.17 (974.32, 1456.27)	32.61 (26.19, 39.14)	1083.36 (867.48, 1322.65)	30.93 (24.77, 37.76)	-0.22 (-0.27, -0.17)
Belize	14.91 (11.50, 19.12)	20.37 (15.72, 26.13)	45.55 (34.15, 56.82)	24.13 (18.09, 30.09)	0.62 (0.59, 0.65)
Benin	576.43 (468.58, 683.62)	33.85 (27.52, 40.15)	1666.70 (1338.58, 2016.91)	31.79 (25.53, 38.47)	-0.21 (-0.23, -0.19)
Bermuda	5.13 (3.76, 6.79)	19.94 (14.61, 26.40)	3.73 (2.86, 4.82)	21.29 (16.32, 27.50)	0.06 (-0.02, 0.14)
Bhutan	93.89 (77.60, 109.27)	34.84 (28.80, 40.55)	106.53 (86.37, 128.35)	30.74 (24.92, 37.03)	-0.55 (-0.61, -0.49)
Bolivia (Plurinational State of)	589.44 (453.61, 761.43)	23.90 (18.39, 30.88)	1064.40 (801.40, 1399.10)	21.66 (16.31, 28.47)	-0.42 (-0.50, -0.34)
Bosnia and Herzegovina	589.19 (467.71, 725.88)	31.02 (24.63, 38.22)	298.12 (235.37, 364.76)	29.63 (23.39, 36.25)	-0.20 (-0.24, -0.17)
Botswana	154.25 (124.78, 188.48)	29.97 (24.24, 36.62)	316.75 (249.98, 387.87)	29.73 (23.46, 36.41)	-0.04 (-0.07, -0.02)
Brazil	21212.97 (17324.18, 25141.44)	33.81 (27.61, 40.07)	26213.21 (21143.93, 31545.78)	30.75 (24.80, 37.00)	-0.38 (-0.43, -0.33)
Brunei Darussalam	25.91 (19.50, 33.55)	21.02 (15.82, 27.21)	30.61 (22.44, 40.45)	15.00 (11.00, 19.83)	-1.44 (-1.57, -1.31)
Bulgaria	973.34 (789.11, 1161.38)	32.70 (26.51, 39.01)	606.33 (486.89, 727.09)	31.92 (25.63, 38.28)	-0.01 (-0.03, 0.01)
Burkina Faso	978.14 (790.69, 1199.20)	30.68 (24.80, 37.62)	2569.97 (2047.88, 3171.75)	29.70 (23.66, 36.65)	-0.09 (-0.11, -0.07)
Burundi	709.35 (582.55, 844.13)	34.22 (28.10, 40.72)	1740.87 (1425.92, 2074.09)	33.02 (27.05, 39.34)	-0.19 (-0.24, -0.14)
Cabo Verde	30.79 (23.96, 38.36)	23.55 (18.33, 29.33)	53.39 (41.12, 68.23)	21.30 (16.41, 27.22)	-0.51 (-0.62, -0.40)
Cambodia	1337.82 (1093.46, 1573.04)	34.75 (28.40, 40.86)	2379.85 (1927.29, 2830.10)	32.86 (26.61, 39.07)	-0.25 (-0.30, -0.21)
Cameroon	1215.89 (985.55, 1475.54)	31.97 (25.91, 38.80)	3919.32 (3174.44, 4720.08)	30.40 (24.62, 36.61)	-0.17 (-0.18, -0.15)
Canada	2135.58 (1580.05, 2747.34)	19.21 (14.21, 24.71)	1706.20 (1218.80, 2286.23)	14.38 (10.28, 19.27)	-1.48 (-1.72, -1.24)
Central African Republic	323.16 (259.81, 396.58)	31.03 (24.95, 38.08)	675.01 (554.96, 819.51)	30.92 (25.42, 37.54)	-0.03 (-0.04, -0.01)
Chad	733.18 (603.09, 855.56)	34.93 (28.73, 40.76)	2134.21 (1736.11, 2507.94)	33.91 (27.59, 39.85)	-0.07 (-0.09, -0.06)

location	Number in 1990 (95% UI)	Rate in 1990 (95% UI)	Number in 2021 (95% UI)	Rate in 2021 (95% UI)	EAPC in ASIR between 1990 and 2021
Chile	863.26 (612.84, 1164.47)	15.07 (10.70, 20.33)	872.77 (598.69, 1188.07)	12.34 (8.46, 16.79)	-0.99 (-1.11, -0.87)
China	195572.70 (166015.06, 223652.29)	35.68 (30.29, 40.80)	141371.20 (114618.32, 169693.97)	30.64 (24.84, 36.77)	-0.68 (-0.75, -0.61)
Colombia	3590.21 (2692.80, 4480.76)	25.55 (19.16, 31.88)	4883.34 (3722.41, 6191.00)	24.30 (18.52, 30.81)	-0.38 (-0.46, -0.29)
Comoros	50.29 (40.54, 61.66)	29.11 (23.47, 35.70)	81.66 (62.77, 100.95)	26.36 (20.26, 32.59)	-0.40 (-0.43, -0.36)
Congo	249.87 (198.98, 310.15)	26.38 (21.00, 32.74)	541.85 (426.36, 677.43)	24.46 (19.24, 30.58)	-0.28 (-0.30, -0.27)
Cook Islands	2.68 (2.25, 3.08)	34.69 (29.10, 39.90)	1.68 (1.35, 2.03)	28.45 (22.89, 34.47)	-0.79 (-0.83, -0.74)
Costa Rica	274.46 (210.04, 359.05)	21.37 (16.35, 27.95)	419.98 (317.40, 541.79)	22.07 (16.68, 28.47)	0.00 (-0.05, 0.05)
Coted'Ivoire	1563.60 (1255.93, 1867.54)	33.06 (26.55, 39.48)	3645.65 (2959.44, 4325.61)	32.52 (26.40, 38.58)	0.01 (-0.02, 0.05)
Croatia	528.47 (407.51, 659.67)	29.12 (22.46, 36.36)	356.99 (281.29, 446.83)	28.60 (22.54, 35.80)	-0.06 (-0.09, -0.03)
Cuba	1162.67 (886.84, 1471.55)	23.83 (18.17, 30.16)	938.39 (713.09, 1181.76)	26.17 (19.89, 32.96)	0.04 (-0.12, 0.20)
Cyprus	99.91 (79.71, 121.20)	32.48 (25.92, 39.41)	165.80 (129.09, 200.59)	33.04 (25.73, 39.98)	0.03 (0.00, 0.05)
Czechia	1095.80 (878.97, 1341.43)	29.53 (23.69, 36.15)	873.82 (688.13, 1061.46)	29.59 (23.30, 35.94)	0.13 (0.09, 0.16)
Democratic People's Republic of Korea	3217.90 (2726.08, 3600.86)	38.58 (32.68, 43.17)	3547.54 (2941.50, 4128.30)	35.27 (29.24, 41.04)	-0.44 (-0.48, -0.39)
Democratic Republic of the Congo	3930.44 (3161.78, 4916.26)	27.44 (22.07, 34.32)	10130.11 (8081.82, 12451.21)	28.07 (22.40, 34.50)	0.08 (0.04, 0.11)
Denmark	684.65 (560.14, 801.24)	35.88 (29.36, 42.00)	575.25 (461.19, 699.44)	31.54 (25.29, 38.35)	-0.48 (-0.61, -0.35)
Djibouti	44.50 (35.18, 56.39)	25.38 (20.07, 32.16)	139.20 (107.89, 174.33)	25.74 (19.95, 32.24)	-0.01 (-0.11, 0.10)
Dominica	5.19 (3.90, 6.79)	17.76 (13.34, 23.25)	4.93 (3.60, 6.29)	19.04 (13.88, 24.30)	0.08 (0.01, 0.15)
Dominican Republic	627.45 (474.32, 804.66)	20.42 (15.44, 26.19)	1094.75 (844.74, 1388.32)	24.07 (18.58, 30.53)	0.53 (0.51, 0.55)
Ecuador	829.84 (617.85, 1105.91)	20.11 (14.97, 26.80)	1416.33 (1070.64, 1843.92)	19.39 (14.66, 25.24)	-0.28 (-0.36, -0.21)
Egypt	6861.40 (5532.96, 8321.02)	31.30 (25.24, 37.96)	14209.48 (11542.50, 16783.99)	33.66 (27.34, 39.76)	0.24 (0.22, 0.25)
El Salvador	445.09 (339.51, 576.67)	21.30 (16.25, 27.60)	530.23 (387.70, 687.77)	20.46 (14.96, 26.53)	-0.31 (-0.39, -0.23)
Equatorial Guinea	43.97 (35.56, 54.05)	29.12 (23.55, 35.79)	158.72 (122.01, 200.47)	22.82 (17.54, 28.82)	-0.90 (-1.04, -0.76)
Eritrea	401.02 (322.86, 483.19)	30.95 (24.91, 37.29)	806.30 (641.37, 985.07)	28.80 (22.91, 35.18)	-0.30 (-0.34, -0.27)
Estonia	133.34 (102.43, 174.24)	23.48 (18.03, 30.68)	93.99 (72.61, 120.89)	23.77 (18.36, 30.57)	0.14 (0.09, 0.19)
Eswatini	86.95 (69.13, 107.76)	28.85 (22.94, 35.76)	149.04 (120.19, 181.87)	29.27 (23.61, 35.72)	0.01 (-0.01, 0.03)
Ethiopia	6261.20 (5243.49, 7290.50)	34.27 (28.70, 39.90)	13849.86 (11252.64, 16620.61)	29.88 (24.28, 35.86)	-0.47 (-0.49, -0.45)
Fiji	109.49 (90.57, 129.30)	33.95 (28.09, 40.10)	95.40 (76.58, 117.34)	26.74 (21.47, 32.89)	-0.89 (-0.95, -0.84)
Finland	562.45 (451.33, 666.97)	30.98 (24.86, 36.74)	487.13 (380.65, 601.61)	29.24 (22.85, 36.11)	-0.30 (-0.35, -0.24)
France	7240.88 (5838.09, 8729.84)	32.91 (26.54, 39.68)	6234.99 (4928.38, 7594.96)	31.38 (24.81, 38.23)	-0.14 (-0.19, -0.09)
Gabon	86.49 (67.88, 109.70)	22.49 (17.65, 28.52)	159.57 (119.78, 204.36)	21.29 (15.98, 27.26)	-0.24 (-0.31, -0.17)
Gambia	125.93 (101.31, 151.47)	33.40 (26.87, 40.17)	325.69 (270.04, 388.85)	32.56 (27.00, 38.88)	-0.06 (-0.07, -0.04)
Georgia	637.65 (508.57, 776.42)	29.95 (23.89, 36.47)	381.91 (318.70, 445.08)	33.66 (28.09, 39.22)	0.39 (0.34, 0.43)
Germany	11085.07 (9193.69, 12834.67)	37.31 (30.95, 43.20)	8760.62 (7176.15, 10337.97)	34.63 (28.37, 40.86)	-0.43 (-0.53, -0.34)
Ghana	1757.58 (1401.70, 2130.63)	30.62 (24.42, 37.12)	4595.99 (3779.88, 5426.80)	32.14 (26.43, 37.95)	0.18 (0.13, 0.23)
Greece	1262.24 (1007.97, 1524.93)	33.58 (26.81, 40.56)	975.45 (799.99, 1148.16)	35.04 (28.74, 41.24)	0.18 (0.15, 0.22)

location	Number in 1990 (95% UI)	Rate in 1990 (95% UI)	Number in 2021 (95% UI)	Rate in 2021 (95% UI)	EAPC in ASIR between 1990 and 2021
Greenland	5.00 (3.54, 6.61)	18.91 (13.39, 24.98)	3.74 (2.68, 4.85)	18.31 (13.14, 23.78)	-0.69 (-0.93, -0.45)
Grenada	5.97 (4.47, 7.76)	17.89 (13.41, 23.28)	7.76 (5.72, 10.11)	19.19 (14.15, 25.02)	0.18 (0.14, 0.22)
Guam	18.05 (14.53, 22.09)	28.46 (22.91, 34.83)	14.93 (12.14, 17.91)	26.93 (21.90, 32.30)	-0.28 (-0.35, -0.22)
Guatemala	743.06 (577.91, 948.49)	25.15 (19.56, 32.11)	1554.63 (1167.85, 1949.46)	22.84 (17.16, 28.64)	-0.41 (-0.47, -0.36)
Guinea	698.92 (569.40, 830.19)	34.02 (27.72, 40.41)	1773.44 (1457.44, 2084.11)	34.32 (28.21, 40.33)	0.07 (0.05, 0.09)
Guinea-Bissau	132.58 (110.91, 152.64)	35.75 (29.91, 41.16)	292.78 (243.34, 342.18)	34.70 (28.84, 40.55)	-0.08 (-0.11, -0.04)
Guyana	58.08 (42.10, 75.13)	17.06 (12.37, 22.07)	62.49 (48.36, 80.27)	20.11 (15.56, 25.83)	0.43 (0.33, 0.53)
Haiti	625.22 (495.65, 781.41)	25.68 (20.36, 32.10)	1408.98 (1108.49, 1774.25)	25.67 (20.19, 32.32)	-0.04 (-0.08, -0.01)
Honduras	475.72 (380.46, 596.19)	27.55 (22.04, 34.53)	1156.94 (906.28, 1456.31)	26.32 (20.62, 33.13)	-0.25 (-0.29, -0.21)
Hungary	1360.73 (1148.15, 1568.00)	36.82 (31.07, 42.43)	973.42 (812.83, 1124.98)	35.38 (29.54, 40.89)	-0.09 (-0.12, -0.07)
Iceland	39.28 (32.98, 44.51)	37.81 (31.75, 42.84)	42.78 (35.67, 49.81)	35.75 (29.80, 41.62)	-0.22 (-0.25, -0.18)
India	125232.11 (107059.15, 140582.40)	36.72 (31.39, 41.22)	219400.60 (187094.81, 249396.34)	36.00 (30.70, 40.92)	-0.07 (-0.08, -0.06)
Indonesia	26725.42 (22245.66, 31249.28)	34.24 (28.50, 40.04)	37998.39 (31058.35, 44930.09)	33.37 (27.27, 39.46)	-0.11 (-0.14, -0.07)
Iran (Islamic Republic of)	6264.41 (5034.31, 7659.21)	28.84 (23.18, 35.27)	11155.48 (9105.56, 13255.36)	32.15 (26.24, 38.20)	0.36 (0.34, 0.38)
Iraq	2103.26 (1634.38, 2595.83)	29.27 (22.75, 36.13)	5072.83 (4002.89, 6208.38)	29.09 (22.96, 35.61)	-0.02 (-0.05, 0.02)
Ireland	418.35 (332.25, 513.80)	30.50 (24.22, 37.46)	444.07 (353.54, 548.13)	28.38 (22.59, 35.03)	-0.19 (-0.26, -0.12)
Israel	633.37 (508.01, 757.60)	33.14 (26.58, 39.64)	1041.89 (827.50, 1260.60)	31.35 (24.90, 37.94)	-0.15 (-0.18, -0.12)
Italy	6223.44 (4879.58, 7787.81)	29.15 (22.86, 36.48)	4395.24 (3457.60, 5530.05)	27.83 (21.89, 35.01)	-0.20 (-0.26, -0.14)
Jamaica	212.70 (161.54, 275.25)	21.64 (16.44, 28.01)	273.25 (210.00, 346.70)	22.90 (17.60, 29.06)	0.03 (-0.05, 0.11)
Japan	8104.90 (6001.37, 10695.63)	18.09 (13.39, 23.87)	4514.87 (3057.02, 6046.90)	13.93 (9.43, 18.66)	-0.56 (-0.73, -0.39)
Jordan	464.68 (369.76, 576.02)	30.23 (24.06, 37.48)	1568.19 (1237.78, 1938.89)	29.21 (23.06, 36.12)	-0.16 (-0.22, -0.10)
Kazakhstan	2796.43 (2523.41, 3006.20)	41.19 (37.17, 44.28)	2792.53 (2508.29, 3054.10)	40.07 (35.99, 43.82)	-0.08 (-0.11, -0.06)
Kenya	2376.61 (1865.47, 2969.45)	27.14 (21.30, 33.91)	5817.61 (4577.18, 7210.58)	26.87 (21.14, 33.30)	-0.04 (-0.09, 0.01)
Kiribati	12.44 (11.23, 13.40)	40.76 (36.77, 43.90)	20.23 (18.50, 21.76)	40.68 (37.20, 43.77)	0.01 (-0.01, 0.02)
Kuwait	244.18 (187.59, 300.21)	28.89 (22.20, 35.52)	654.63 (505.15, 801.05)	30.84 (23.80, 37.74)	0.17 (0.15, 0.19)
Kyrgyzstan	765.16 (712.97, 805.32)	42.42 (39.53, 44.65)	1023.14 (874.52, 1156.68)	37.59 (32.13, 42.50)	-0.50 (-0.54, -0.47)
Lao People's Democratic Republic	603.88 (522.43, 665.46)	39.09 (33.81, 43.07)	1157.17 (966.02, 1343.84)	36.07 (30.11, 41.89)	-0.35 (-0.39, -0.31)
Latvia	299.50 (238.26, 368.96)	31.40 (24.98, 38.68)	155.13 (120.72, 192.20)	28.80 (22.41, 35.68)	-0.38 (-0.47, -0.30)
Lebanon	375.63 (304.94, 446.07)	32.58 (26.45, 38.70)	825.57 (682.69, 958.86)	35.58 (29.42, 41.32)	0.34 (0.32, 0.37)
Lesotho	176.70 (144.60, 212.49)	32.75 (26.80, 39.38)	285.11 (237.79, 338.20)	34.28 (28.59, 40.66)	0.20 (0.17, 0.23)
Liberia	261.32 (205.79, 324.24)	28.32 (22.31, 35.14)	663.37 (531.25, 806.53)	29.55 (23.66, 35.92)	0.12 (0.09, 0.14)
Libya	518.39 (409.67, 632.73)	30.85 (24.38, 37.66)	1010.12 (829.30, 1200.65)	33.66 (27.64, 40.01)	0.38 (0.35, 0.41)
Lithuania	467.72 (378.20, 555.14)	33.57 (27.14, 39.84)	232.96 (181.39, 292.37)	28.94 (22.53, 36.31)	-0.65 (-0.71, -0.60)
Luxembourg	52.44 (42.30, 62.03)	35.53 (28.66, 42.04)	74.78 (59.88, 89.44)	33.90 (27.14, 40.54)	-0.20 (-0.23, -0.17)
Madagascar	1532.58 (1237.45, 1819.75)	33.83 (27.32, 40.17)	4085.33 (3377.17, 4780.53)	34.89 (28.84, 40.82)	0.03 (-0.00, 0.05)

location	Number in 1990 (95% UI)	Rate in 1990 (95% UI)	Number in 2021 (95% UI)	Rate in 2021 (95% UI)	EAPC in ASIR between 1990 and 2021
Malawi	967.29 (764.37, 1220.79)	25.89 (20.46, 32.67)	2254.30 (1767.23, 2757.71)	27.55 (21.60, 33.70)	0.24 (0.18, 0.30)
Malaysia	1917.60 (1508.72, 2391.92)	25.84 (20.33, 32.23)	3814.18 (2964.33, 4646.30)	27.44 (21.32, 33.42)	0.16 (0.11, 0.22)
Maldives	30.92 (26.91, 34.26)	38.05 (33.12, 42.16)	85.24 (69.07, 102.02)	32.76 (26.55, 39.22)	-0.66 (-0.72, -0.61)
Mali	1095.23 (923.79, 1249.05)	36.68 (30.94, 41.83)	3161.02 (2655.96, 3660.62)	35.49 (29.82, 41.10)	-0.11 (-0.12, -0.10)
Malta	44.86 (35.75, 54.41)	32.51 (25.91, 39.43)	42.24 (33.07, 51.22)	31.55 (24.71, 38.26)	-0.14 (-0.17, -0.12)
Marshall Islands	6.86 (6.16, 7.41)	39.99 (35.91, 43.17)	9.77 (9.00, 10.39)	41.19 (37.94, 43.80)	0.14 (0.12, 0.15)
Mauritania	225.62 (180.59, 273.99)	29.35 (23.49, 35.64)	458.70 (358.03, 566.00)	26.87 (20.97, 33.16)	-0.32 (-0.36, -0.28)
Mauritius	149.27 (119.12, 180.97)	30.03 (23.96, 36.40)	134.43 (105.37, 162.77)	29.53 (23.15, 35.76)	-0.13 (-0.18, -0.08)
Mexico	8736.38 (6902.68, 11087.45)	24.50 (19.36, 31.09)	13312.73 (10575.56, 16606.68)	25.84 (20.53, 32.24)	0.19 (0.12, 0.27)
Micronesia (Federated States of)	16.28 (14.75, 17.49)	40.64 (36.81, 43.65)	17.81 (16.66, 18.83)	41.93 (39.23, 44.35)	0.13 (0.11, 0.15)
Monaco	3.14 (2.52, 3.75)	34.34 (27.55, 40.98)	3.04 (2.42, 3.70)	32.64 (25.99, 39.66)	-0.23 (-0.28, -0.18)
Mongolia	318.96 (272.01, 363.86)	36.09 (30.78, 41.18)	401.37 (327.72, 482.70)	31.80 (25.97, 38.24)	-0.53 (-0.58, -0.48)
Montenegro	63.47 (49.18, 81.45)	25.28 (19.59, 32.45)	54.21 (42.26, 68.44)	26.35 (20.54, 33.27)	0.19 (0.16, 0.22)
Morocco	3207.60 (2557.08, 3894.66)	30.85 (24.60, 37.46)	4942.21 (4067.49, 5862.31)	33.66 (27.71, 39.93)	0.24 (0.20, 0.28)
Mozambique	1331.72 (1050.54, 1646.35)	28.08 (22.15, 34.71)	3387.38 (2664.39, 4200.36)	28.17 (22.16, 34.93)	-0.03 (-0.07, 0.01)
Myanmar	6936.69 (6237.48, 7535.36)	40.41 (36.33, 43.89)	8518.89 (7261.33, 9544.98)	37.89 (32.30, 42.46)	-0.25 (-0.28, -0.22)
Namibia	163.19 (129.32, 201.21)	29.18 (23.13, 35.98)	295.88 (230.62, 363.33)	28.31 (22.07, 34.77)	-0.13 (-0.14, -0.11)
Nauru	1.61 (1.41, 1.75)	39.84 (34.98, 43.37)	1.86 (1.69, 2.02)	40.03 (36.34, 43.30)	-0.00 (-0.01, 0.01)
Nepal	2598.46 (2157.72, 3012.79)	35.57 (29.54, 41.24)	4296.49 (3482.02, 5096.64)	32.05 (25.97, 38.01)	-0.38 (-0.41, -0.35)
Netherlands	2051.47 (1642.33, 2467.25)	34.02 (27.24, 40.92)	1451.00 (1115.60, 1854.05)	27.48 (21.13, 35.11)	-0.76 (-0.87, -0.66)
New Zealand	249.27 (177.96, 332.82)	18.04 (12.88, 24.09)	291.32 (212.05, 383.01)	16.17 (11.77, 21.26)	-0.71 (-0.91, -0.50)
Nicaragua	313.48 (234.55, 405.84)	21.24 (15.89, 27.49)	612.05 (457.06, 791.77)	21.50 (16.06, 27.82)	-0.03 (-0.10, 0.05)
Niger	955.82 (772.26, 1135.75)	34.34 (27.75, 40.81)	3044.45 (2468.62, 3608.38)	34.14 (27.68, 40.46)	0.05 (0.02, 0.07)
Nigeria	10738.19 (8610.28, 12860.27)	31.45 (25.22, 37.66)	26846.61 (21247.24, 32936.26)	29.85 (23.62, 36.62)	-0.14 (-0.18, -0.10)
Niue	0.32 (0.29, 0.35)	39.77 (36.08, 42.87)	0.19 (0.16, 0.22)	33.49 (28.70, 39.15)	-0.67 (-0.74, -0.60)
North Macedonia	246.65 (199.20, 302.27)	31.06 (25.08, 38.06)	230.74 (183.43, 281.59)	30.17 (23.98, 36.82)	-0.14 (-0.15, -0.12)
Northern Mariana Islands	8.13 (6.90, 9.49)	34.69 (29.46, 40.53)	4.74 (3.88, 5.74)	28.76 (23.53, 34.79)	-0.85 (-0.97, -0.73)
Norway	523.68 (422.25, 633.31)	32.73 (26.39, 39.59)	585.91 (470.95, 706.93)	33.01 (26.54, 39.83)	-0.03 (-0.10, 0.04)
Oman	263.32 (210.35, 320.06)	31.74 (25.35, 38.58)	693.69 (538.91, 864.89)	29.97 (23.29, 37.37)	-0.30 (-0.38, -0.22)
Pakistan	13709.04 (11108.79, 16322.29)	33.60 (27.22, 40.00)	31681.11 (25927.26, 38110.94)	32.03 (26.21, 38.53)	-0.18 (-0.21, -0.15)
Palau	2.76 (2.43, 3.02)	39.63 (34.85, 43.27)	2.35 (2.17, 2.54)	39.97 (36.78, 43.07)	-0.03 (-0.06, 0.00)
Palestine	234.29 (184.91, 287.77)	30.53 (24.09, 37.49)	624.42 (489.61, 780.76)	28.60 (22.42, 35.75)	-0.27 (-0.29, -0.24)
Panama	197.84 (150.09, 261.89)	19.56 (14.84, 25.89)	331.63 (249.10, 436.89)	20.09 (15.09, 26.47)	-0.04 (-0.10, 0.03)
Papua New Guinea	697.53 (649.38, 733.61)	42.14 (39.23, 44.32)	1801.84 (1658.09, 1916.22)	42.10 (38.74, 44.78)	-0.03 (-0.04, -0.02)
Paraguay	413.30 (323.44, 527.46)	26.37 (20.64, 33.65)	795.63 (613.84, 1003.26)	26.00 (20.06, 32.79)	-0.11 (-0.18, -0.05)

location	Number in 1990 (95% UI)	Rate in 1990 (95% UI)	Number in 2021 (95% UI)	Rate in 2021 (95% UI)	EAPC in ASIR between 1990 and 2021
Peru	1665.42 (1242.86, 2239.60)	18.77 (14.01, 25.25)	2757.42 (2028.37, 3632.36)	18.55 (13.65, 24.44)	0.05 (-0.06, 0.16)
Philippines	9039.99 (7523.63, 10486.44)	34.88 (29.03, 40.46)	16463.52 (13875.49, 18990.98)	34.84 (29.37, 40.19)	0.01 (-0.00, 0.03)
Poland	4605.23 (3724.55, 5514.87)	31.88 (25.78, 38.18)	3579.01 (2810.70, 4407.10)	29.58 (23.23, 36.43)	-0.20 (-0.23, -0.17)
Portugal	1411.93 (1188.11, 1602.56)	37.29 (31.38, 42.33)	959.16 (766.01, 1154.82)	32.50 (25.95, 39.12)	-0.50 (-0.57, -0.43)
Puerto Rico	294.67 (227.53, 376.49)	20.83 (16.08, 26.61)	246.38 (193.58, 306.36)	23.82 (18.72, 29.62)	0.38 (0.31, 0.45)
Qatar	83.20 (68.68, 97.25)	35.19 (29.05, 41.13)	532.66 (417.43, 660.73)	32.23 (25.26, 39.98)	-0.49 (-0.56, -0.42)
Republic of Korea	4937.90 (3698.54, 6378.09)	23.46 (17.57, 30.30)	3808.72 (2820.20, 4900.18)	23.80 (17.62, 30.62)	0.04 (-0.36, 0.44)
Republic of Moldova	682.59 (594.28, 760.12)	39.17 (34.10, 43.61)	402.76 (321.18, 486.39)	32.47 (25.90, 39.22)	-0.75 (-0.83, -0.68)
Romania	2849.15 (2378.34, 3385.74)	32.80 (27.38, 38.97)	1616.49 (1291.49, 1956.16)	29.99 (23.96, 36.30)	-0.24 (-0.26, -0.22)
Russian Federation	20826.26 (17348.65, 24004.92)	35.80 (29.82, 41.27)	16695.64 (14109.52, 19186.58)	35.92 (30.36, 41.28)	0.07 (0.05, 0.09)
Rwanda	947.40 (783.75, 1127.97)	34.57 (28.60, 41.16)	1824.95 (1462.39, 2161.76)	32.18 (25.79, 38.12)	-0.33 (-0.38, -0.29)
Saint Kitts and Nevis	2.77 (2.08, 3.68)	16.05 (12.02, 21.29)	4.33 (3.17, 5.64)	19.06 (13.97, 24.80)	0.38 (0.30, 0.45)
Saint Lucia	11.55 (8.71, 14.98)	20.54 (15.48, 26.63)	16.96 (13.08, 20.94)	25.66 (19.79, 31.69)	0.70 (0.65, 0.74)
Saint Vincent and the Grenadines	7.13 (5.08, 9.46)	15.53 (11.07, 20.59)	7.52 (5.49, 9.89)	18.20 (13.29, 23.93)	0.49 (0.47, 0.52)
Samoa	27.44 (25.27, 29.02)	40.98 (37.74, 43.34)	32.62 (29.60, 35.01)	40.60 (36.84, 43.58)	-0.05 (-0.07, -0.03)
San Marino	3.00 (2.38, 3.68)	31.92 (25.38, 39.14)	2.68 (2.12, 3.34)	29.92 (23.61, 37.30)	-0.23 (-0.29, -0.16)
Sao Tome and Principe	15.15 (12.80, 17.53)	35.29 (29.83, 40.84)	33.68 (28.72, 38.10)	37.05 (31.60, 41.92)	0.17 (0.11, 0.23)
Saudi Arabia	1552.84 (1209.35, 1967.42)	23.37 (18.20, 29.61)	5550.90 (4386.47, 6734.93)	29.97 (23.68, 36.36)	0.88 (0.83, 0.93)
Senegal	881.13 (708.01, 1058.44)	31.93 (25.66, 38.36)	2001.77 (1602.23, 2428.11)	31.05 (24.85, 37.66)	-0.06 (-0.08, -0.03)
Serbia	1134.64 (909.15, 1353.42)	31.60 (25.32, 37.69)	907.85 (714.85, 1106.57)	30.63 (24.12, 37.33)	-0.10 (-0.11, -0.08)
Seychelles	9.19 (7.45, 11.17)	29.43 (23.85, 35.78)	11.47 (8.86, 13.97)	29.88 (23.08, 36.38)	-0.06 (-0.11, -0.01)
Sierra Leone	535.87 (430.49, 637.20)	33.55 (26.95, 39.89)	1246.01 (1012.94, 1481.93)	33.41 (27.16, 39.73)	-0.02 (-0.04, 0.00)
Singapore	199.64 (138.97, 271.81)	13.23 (9.21, 18.01)	192.91 (122.02, 273.23)	10.03 (6.34, 14.20)	-1.14 (-1.34, -0.94)
Slovakia	569.32 (447.43, 707.53)	27.81 (21.86, 34.56)	479.89 (371.25, 595.71)	28.04 (21.69, 34.81)	0.10 (0.05, 0.15)
Slovenia	208.82 (163.82, 262.20)	27.25 (21.38, 34.21)	149.39 (114.00, 187.79)	26.24 (20.02, 32.98)	-0.07 (-0.10, -0.05)
Solomon Islands	53.06 (49.16, 55.95)	41.36 (38.33, 43.62)	114.28 (105.94, 120.48)	41.78 (38.73, 44.05)	0.02 (0.01, 0.04)
Somalia	1004.14 (811.20, 1184.50)	34.63 (27.98, 40.86)	2962.09 (2443.43, 3460.71)	35.73 (29.47, 41.74)	0.14 (0.11, 0.16)
South Africa	5345.98 (4414.08, 6285.22)	33.97 (28.05, 39.94)	7730.30 (6347.77, 9243.14)	31.88 (26.18, 38.12)	-0.27 (-0.31, -0.22)
South Sudan	633.53 (497.71, 796.76)	27.44 (21.56, 34.51)	967.04 (759.31, 1195.44)	26.87 (21.10, 33.21)	-0.09 (-0.12, -0.07)
Spain	5383.33 (4435.20, 6184.76)	36.30 (29.91, 41.70)	4250.08 (3437.63, 5004.60)	34.23 (27.69, 40.31)	-0.16 (-0.26, -0.06)
Sri Lanka	2142.41 (1713.78, 2611.53)	28.97 (23.18, 35.32)	2226.59 (1777.92, 2756.13)	27.61 (22.05, 34.18)	-0.20 (-0.22, -0.19)
Sudan	2851.42 (2415.08, 3231.04)	37.42 (31.69, 42.40)	6535.26 (5379.97, 7577.58)	35.35 (29.10, 40.99)	-0.24 (-0.27, -0.22)
Suriname	31.88 (23.86, 41.19)	19.57 (14.65, 25.29)	48.55 (37.43, 61.30)	22.62 (17.44, 28.56)	0.37 (0.30, 0.44)
Sweden	1140.52 (978.73, 1276.77)	38.85 (33.34, 43.50)	1188.27 (986.50, 1373.01)	36.66 (30.43, 42.36)	-0.25 (-0.29, -0.22)
Switzerland	967.86 (798.22, 1135.68)	36.73 (30.29, 43.10)	952.89 (768.31, 1129.01)	34.32 (27.67, 40.66)	-0.34 (-0.42, -0.26)

location	Number in 1990 (95% UI)	Rate in 1990 (95% UI)	Number in 2021 (95% UI)	Rate in 2021 (95% UI)	EAPC in ASIR between 1990 and 2021
Syrian Arab Republic	1692.23 (1396.04, 1954.50)	35.27 (29.10, 40.74)	1757.63 (1466.15, 2046.98)	34.56 (28.83, 40.25)	-0.04 (-0.07, -0.02)
Taiwan (Province of China)	2123.16 (1637.86, 2736.50)	23.01 (17.75, 29.66)	1584.24 (1191.70, 2061.25)	21.00 (15.80, 27.32)	-0.36 (-0.43, -0.29)
Tajikistan	893.16 (834.04, 936.22)	42.24 (39.44, 44.27)	1596.45 (1392.00, 1784.57)	38.27 (33.37, 42.78)	-0.41 (-0.44, -0.38)
Thailand	9888.69 (8787.03, 10884.49)	38.13 (33.88, 41.97)	6407.13 (5288.33, 7513.21)	30.22 (24.95, 35.44)	-0.86 (-0.92, -0.81)
Timor-Leste	115.59 (96.16, 133.39)	36.32 (30.21, 41.91)	181.25 (146.01, 219.44)	31.72 (25.56, 38.41)	-0.61 (-0.67, -0.54)
Togo	457.26 (371.31, 540.98)	33.36 (27.09, 39.46)	1119.98 (909.71, 1334.68)	33.29 (27.04, 39.67)	0.02 (0.01, 0.03)
Tokelau	0.23 (0.20, 0.25)	39.60 (34.88, 43.05)	0.16 (0.14, 0.19)	32.97 (27.93, 38.50)	-0.75 (-0.80, -0.70)
Tonga	13.80 (11.93, 15.43)	37.41 (32.33, 41.81)	12.43 (10.65, 14.39)	31.95 (27.37, 36.99)	-0.63 (-0.68, -0.57)
Trinidad and Tobago	103.41 (78.91, 133.29)	20.63 (15.74, 26.59)	112.78 (85.15, 140.76)	22.66 (17.11, 28.28)	0.26 (0.16, 0.35)
Tunisia	1252.12 (1056.99, 1446.52)	36.40 (30.73, 42.05)	1644.60 (1386.92, 1864.96)	37.79 (31.87, 42.86)	0.16 (0.15, 0.18)
Turkey	9345.34 (8171.50, 10336.57)	39.07 (34.16, 43.22)	12532.83 (10728.72, 13896.01)	39.34 (33.67, 43.62)	0.03 (-0.04, 0.10)
Turkmenistan	564.93 (472.12, 645.63)	36.80 (30.76, 42.06)	586.71 (471.36, 708.49)	28.21 (22.66, 34.06)	-0.99 (-1.04, -0.95)
Tuvalu	1.49 (1.35, 1.60)	41.30 (37.40, 44.42)	2.06 (1.92, 2.20)	41.46 (38.57, 44.18)	0.01 (-0.01, 0.03)
Uganda	1975.22 (1571.75, 2416.59)	30.79 (24.50, 37.67)	4942.77 (3887.61, 6039.88)	28.74 (22.60, 35.12)	-0.33 (-0.36, -0.29)
Ukraine	7183.28 (6127.22, 8175.99)	37.82 (32.26, 43.04)	4636.72 (3704.74, 5503.59)	33.64 (26.88, 39.92)	-0.42 (-0.44, -0.41)
United Arab Emirates	396.72 (351.85, 430.46)	41.50 (36.81, 45.03)	1710.50 (1509.14, 1839.53)	42.58 (37.57, 45.79)	0.15 (0.11, 0.18)
United Kingdom	7592.52 (6264.73, 8797.04)	36.33 (29.98, 42.09)	7927.44 (6592.42, 9144.59)	36.45 (30.31, 42.04)	0.02 (-0.01, 0.04)
United Republic of Tanzania	2654.83 (2049.94, 3296.14)	27.40 (21.16, 34.02)	6430.29 (5024.35, 7985.94)	27.56 (21.53, 34.23)	-0.01 (-0.03, 0.00)
United States of America	32246.00 (26123.87, 39183.62)	31.56 (25.57, 38.35)	25333.91 (21212.19, 29531.55)	22.76 (19.06, 26.53)	-1.31 (-1.45, -1.17)
United States Virgin Islands	6.90 (5.07, 8.98)	17.41 (12.81, 22.66)	4.56 (3.40, 5.88)	19.72 (14.69, 25.43)	0.31 (0.27, 0.35)
Uruguay	218.95 (165.54, 279.55)	19.28 (14.57, 24.61)	248.36 (190.84, 307.69)	20.76 (15.95, 25.72)	0.29 (0.23, 0.34)
Uzbekistan	3257.80 (2831.42, 3620.80)	37.95 (32.99, 42.18)	3895.12 (3039.70, 4748.79)	28.35 (22.13, 34.57)	-1.09 (-1.14, -1.04)
Vanuatu	24.14 (22.07, 25.76)	41.21 (37.67, 43.97)	52.25 (48.30, 55.22)	41.92 (38.75, 44.30)	0.06 (0.05, 0.07)
Venezuela (Bolivarian Republic of)	1690.27 (1269.56, 2175.76)	21.10 (15.85, 27.17)	2310.15 (1766.04, 2864.48)	24.67 (18.86, 30.59)	0.48 (0.45, 0.51)
Viet Nam	8681.49 (6949.48, 10630.05)	30.44 (24.37, 37.28)	12341.40 (9935.11, 14871.23)	32.15 (25.88, 38.74)	0.06 (-0.02, 0.14)
Yemen	1749.07 (1506.45, 1956.47)	38.05 (32.77, 42.56)	4835.10 (4029.89, 5606.80)	35.14 (29.29, 40.75)	-0.23 (-0.25, -0.20)
Zambia	819.37 (644.96, 1016.02)	27.00 (21.26, 33.48)	2209.79 (1755.87, 2723.12)	27.31 (21.70, 33.65)	-0.03 (-0.05, -0.01)
Zimbabwe	1040.29 (785.93, 1318.30)	26.24 (19.82, 33.25)	1714.32 (1326.73, 2143.01)	27.05 (20.93, 33.81)	0.21 (0.16, 0.26)

**Abbreviation:** EAPC, estimated annual percentage change; ASIR, age-standardized rates for incidence; UI, uncertainty interval; SDI, socio-demographic index; GBD, global burden of disease.

**Supplementary Table SIII. Asthma incidence in 1990 and 2021 in adolescents and young adults and EAPC in ASIR by location**

location	Number in 1990 (95% UI)	Rate in 1990 (95% UI)	Number in 2021 (95% UI)	Rate in 2021 (95% UI)	EAPC in ASIR between 1990 and 2021
Global	6857741.84 (4874567.24, 9061168.68)	312.88 (222.40, 413.41)	6852624.00 (5042742.98, 8808348.16)	230.35 (169.51, 296.10)	-1.05 (-1.12, -0.98)
SDI regions					
High SDI	1751757.53 (1243439.79, 2306870.26)	504.88 (358.38, 664.87)	1478851.27 (1051994.58, 1938907.24)	418.65 (297.81, 548.89)	-0.33 (-0.47, -0.18)
High-middle SDI	1390227.60 (971868.94, 1855214.38)	307.21 (214.76, 409.96)	888796.57 (617286.37, 1169188.83)	201.88 (140.21, 265.56)	-1.60 (-1.72, -1.49)
Middle SDI	2012125.84 (1409964.51, 2684743.54)	267.35 (187.34, 356.71)	1796550.82 (1307021.60, 2334696.11)	193.70 (140.92, 251.72)	-1.20 (-1.26, -1.14)
Low-middle SDI	1094870.44 (792878.61, 1417889.72)	241.48 (174.87, 312.72)	1493881.01 (1128061.48, 1883921.13)	186.16 (140.57, 234.76)	-1.02 (-1.07, -0.97)
Low SDI	598526.70 (442018.30, 795698.12)	324.74 (239.83, 431.72)	1186367.68 (893488.04, 1526908.60)	264.19 (198.97, 340.02)	-0.77 (-0.82, -0.72)
GBD regions					
Central Asia	84371.81 (61248.37, 111798.83)	296.52 (215.26, 392.91)	86329.16 (62380.34, 110508.78)	230.91 (166.85, 295.58)	-1.04 (-1.17, -0.90)
East Asia	1185063.62 (809278.12, 1616766.26)	209.48 (143.06, 285.80)	681558.00 (476411.86, 901099.39)	142.27 (99.45, 188.10)	-1.57 (-1.80, -1.35)
South Asia	739628.60 (533531.42, 961155.71)	171.36 (123.61, 222.69)	1061787.38 (806078.34, 1336705.19)	134.25 (101.92, 169.00)	-1.00 (-1.07, -0.93)
Southeast Asia	616657.53 (447289.89, 813796.68)	313.02 (227.05, 413.08)	627265.08 (468714.43, 810363.13)	226.18 (169.01, 292.21)	-1.08 (-1.13, -1.03)
High-income Asia Pacific	278535.09 (189801.93, 386813.03)	412.67 (281.21, 573.10)	113845.15 (75301.73, 153799.88)	225.26 (149.00, 304.32)	-2.08 (-2.16, -2.00)
Oceania	9670.82 (7576.17, 11941.76)	364.06 (285.21, 449.55)	13669.64 (11295.32, 15926.38)	242.61 (200.47, 282.66)	-1.43 (-1.52, -1.34)
Australasia	27913.91 (19392.24, 36995.96)	342.34 (237.83, 453.72)	22571.20 (14986.96, 30983.84)	215.56 (143.13, 295.90)	-1.84 (-2.10, -1.58)
Central Europe	282068.00 (196146.56, 387706.69)	602.09 (418.68, 827.58)	143183.55 (98733.57, 191765.13)	408.87 (281.94, 547.59)	-1.41 (-1.48, -1.35)
Eastern Europe	415866.55 (295505.73, 547318.72)	484.87 (344.54, 638.13)	158248.80 (111234.27, 209420.46)	239.14 (168.10, 316.47)	-2.51 (-2.62, -2.39)
Western Europe	639682.62 (454164.94, 833954.15)	443.85 (315.13, 578.65)	392470.47 (270857.21, 536876.92)	302.43 (208.72, 413.71)	-0.97 (-1.15, -0.79)
Andean Latin America	34270.38 (21784.15, 49406.38)	221.62 (140.87, 319.50)	51588.93 (33053.87, 71564.09)	190.51 (122.06, 264.27)	-0.44 (-0.48, -0.40)
Central Latin America	258310.68 (176587.16, 355335.62)	378.38 (258.67, 520.51)	262499.56 (179361.70, 352842.08)	259.48 (177.30, 348.79)	-1.18 (-1.21, -1.15)
High-income North America	689644.96 (476998.68, 917632.77)	608.61 (420.95, 809.80)	826403.80 (596731.12, 1081477.18)	670.87 (484.42, 877.94)	0.87 (0.70, 1.05)
Southern Latin America	82483.36 (59609.02, 110183.29)	432.32 (312.43, 577.50)	83732.13 (57852.76, 110441.37)	324.60 (224.27, 428.14)	-1.04 (-1.18, -0.89)
Tropical Latin America	259991.26 (174635.12, 358180.06)	404.26 (271.54, 556.93)	259180.51 (176673.27, 350386.63)	293.49 (200.06, 396.77)	-1.48 (-1.83, -1.12)
Caribbean	93834.01 (65705.43, 130385.69)	631.26 (442.02, 877.15)	90940.57 (66849.36, 119858.62)	499.60 (367.25, 658.47)	-0.60 (-0.65, -0.55)
Central Sub-Saharan Africa	62321.43 (44698.23, 81180.49)	300.17 (215.29, 391.00)	130301.11 (96894.80, 163593.16)	240.87 (179.12, 302.41)	-0.81 (-0.87, -0.75)
Eastern Sub-Saharan Africa	282205.48 (197975.41, 382586.68)	398.09 (279.27, 539.69)	544278.14 (390790.57, 715758.25)	310.69 (223.07, 408.57)	-0.87 (-0.94, -0.80)
North Africa and Middle East	515097.29 (376450.48, 666772.99)	384.89 (281.29, 498.23)	732696.10 (543565.73, 929411.85)	288.16 (213.78, 365.53)	-1.07 (-1.15, -0.99)
Southern Sub-Saharan Africa	68067.84 (50338.47, 87495.60)	314.91 (232.88, 404.79)	52111.13 (40703.39, 63731.36)	153.11 (119.59, 187.25)	-2.69 (-2.96, -2.41)
Western Sub-Saharan Africa	232056.60 (165973.40, 309820.53)	324.22 (231.89, 432.87)	517963.61 (382176.73, 671518.10)	270.89 (199.87, 351.20)	-0.74 (-0.82, -0.67)
Countries					
Afghanistan	19450.42 (14521.18, 25833.07)	617.56 (461.06, 820.22)	52862.54 (40184.68, 68438.90)	432.56 (328.82, 560.01)	-1.19 (-1.25, -1.13)
Albania	4087.79 (2788.68, 5642.31)	287.78 (196.32, 397.21)	2458.56 (1683.81, 3307.55)	259.32 (177.60, 348.87)	-0.17 (-0.44, 0.10)

location	Number in 1990 (95% UI)	Rate in 1990 (95% UI)	Number in 2021 (95% UI)	Rate in 2021 (95% UI)	EAPC in ASIR between 1990 and 2021
Algeria	35194.84 (25633.10, 46493.94)	348.31 (253.68, 460.14)	44638.00 (32532.83, 57532.92)	262.16 (191.07, 337.89)	-1.04 (-1.10, -0.97)
American Samoa	48.81 (37.59, 60.55)	241.25 (185.80, 299.30)	24.15 (19.26, 30.77)	138.23 (110.22, 176.08)	-1.80 (-2.00, -1.61)
Andorra	100.46 (70.68, 139.15)	401.70 (282.63, 556.41)	76.46 (54.29, 102.35)	299.86 (212.91, 401.41)	-0.94 (-1.11, -0.77)
Angola	13259.59 (9500.42, 17430.96)	338.89 (242.81, 445.50)	27162.41 (20079.82, 33945.39)	223.26 (165.05, 279.02)	-1.57 (-1.68, -1.47)
Antigua and Barbuda	118.39 (78.23, 167.95)	459.06 (303.36, 651.23)	136.10 (91.89, 186.67)	395.67 (267.13, 542.68)	-0.25 (-0.39, -0.10)
Argentina	57697.73 (41621.98, 77641.31)	472.34 (340.74, 635.61)	58658.45 (41000.52, 78417.43)	334.76 (233.99, 447.52)	-1.26 (-1.41, -1.11)
Armenia	2885.09 (1963.38, 3911.93)	200.74 (136.61, 272.19)	1966.96 (1353.83, 2642.05)	182.96 (125.93, 245.76)	-0.14 (-0.45, 0.16)
Australia	20078.23 (14048.34, 26326.53)	296.47 (207.43, 388.73)	17497.35 (11674.88, 23922.80)	201.83 (134.67, 275.94)	-1.77 (-2.12, -1.43)
Austria	12430.28 (8416.64, 16800.27)	414.07 (280.37, 559.64)	7113.75 (4808.64, 9924.88)	252.04 (170.37, 351.64)	-1.47 (-1.61, -1.33)
Azerbaijan	7738.70 (5506.46, 10017.87)	243.50 (173.26, 315.21)	7881.75 (5602.15, 10121.59)	186.07 (132.25, 238.95)	-0.96 (-1.06, -0.86)
Bahamas	602.55 (400.76, 821.66)	510.57 (339.58, 696.23)	695.78 (485.42, 947.94)	449.87 (313.86, 612.90)	-0.22 (-0.29, -0.15)
Bahrain	883.67 (659.20, 1120.80)	344.73 (257.16, 437.23)	1790.84 (1293.15, 2388.71)	254.54 (183.80, 339.52)	-1.37 (-1.58, -1.16)
Bangladesh	70889.94 (51411.22, 96273.50)	167.95 (121.80, 228.08)	71310.19 (52899.42, 92770.55)	103.63 (76.87, 134.81)	-1.84 (-2.00, -1.68)
Barbados	666.05 (470.91, 925.11)	610.22 (431.44, 847.57)	556.64 (387.86, 770.78)	563.52 (392.65, 780.31)	-0.12 (-0.17, -0.08)
Belarus	23391.01 (17099.76, 30910.44)	593.01 (433.51, 783.64)	10645.06 (7219.51, 14212.07)	362.86 (246.09, 484.44)	-1.67 (-1.73, -1.61)
Belgium	17045.03 (12207.00, 22367.52)	458.13 (328.09, 601.18)	9122.41 (6313.56, 12259.36)	260.45 (180.26, 350.02)	-1.57 (-1.82, -1.32)
Belize	406.42 (265.54, 587.62)	555.46 (362.92, 803.11)	1029.48 (691.21, 1404.02)	545.29 (366.12, 743.67)	0.04 (-0.02, 0.10)
Benin	4965.07 (3516.83, 6473.57)	291.58 (206.53, 380.17)	12303.55 (9101.16, 15461.97)	234.69 (173.60, 294.93)	-0.76 (-0.79, -0.72)
Bermuda	112.31 (75.87, 155.11)	436.73 (295.04, 603.20)	71.01 (47.29, 98.45)	405.55 (270.08, 562.29)	-0.06 (-0.22, 0.10)
Bhutan	437.19 (333.80, 559.82)	162.25 (123.88, 207.76)	330.85 (246.43, 409.21)	95.46 (71.10, 118.07)	-2.01 (-2.12, -1.90)
Bolivia (Plurinational State of)	5116.29 (3299.20, 7446.19)	207.47 (133.78, 301.95)	8043.35 (5339.90, 11190.75)	163.68 (108.67, 227.73)	-0.74 (-0.82, -0.66)
Bosnia and Herzegovina	8286.74 (5267.41, 11913.08)	436.35 (277.36, 627.30)	4185.10 (2759.35, 5972.80)	415.90 (274.21, 593.56)	-0.12 (-0.21, -0.03)
Botswana	1819.34 (1316.28, 2439.61)	353.43 (255.71, 473.93)	2601.51 (1962.63, 3230.82)	244.19 (184.22, 303.26)	-1.47 (-1.56, -1.39)
Brazil	254541.56 (170789.79, 350519.54)	405.67 (272.19, 558.63)	249017.67 (169990.28, 336378.44)	292.10 (199.40, 394.58)	-1.52 (-1.88, -1.16)
Brunei Darussalam	376.12 (255.58, 508.92)	305.07 (207.30, 412.79)	416.83 (287.91, 567.57)	204.29 (141.10, 278.17)	-1.27 (-1.34, -1.20)
Bulgaria	13153.95 (8528.09, 17926.14)	441.87 (286.48, 602.17)	6501.75 (4369.06, 8709.80)	342.27 (230.00, 458.51)	-1.14 (-1.23, -1.05)
Burkina Faso	8825.95 (6366.46, 12056.03)	276.85 (199.70, 378.17)	21981.68 (16031.09, 28934.29)	253.99 (185.23, 334.33)	-0.29 (-0.35, -0.24)
Burundi	10540.63 (7402.72, 14277.76)	508.47 (357.10, 688.75)	20219.93 (13642.22, 26860.13)	383.52 (258.75, 509.46)	-1.02 (-1.12, -0.92)
Cabo Verde	470.14 (323.62, 662.68)	359.54 (247.50, 506.79)	397.64 (296.72, 513.69)	158.66 (118.40, 204.97)	-2.47 (-2.57, -2.36)
Cambodia	8883.67 (6678.50, 11442.46)	230.73 (173.45, 297.18)	11707.16 (9046.69, 14865.96)	161.63 (124.90, 205.24)	-1.18 (-1.31, -1.06)
Cameroon	7799.38 (5338.19, 10312.62)	205.07 (140.36, 271.15)	19948.57 (14040.14, 25846.70)	154.73 (108.90, 200.47)	-0.99 (-1.04, -0.93)
Canada	59535.11 (40279.40, 86281.71)	535.55 (362.33, 776.14)	48743.21 (33828.29, 66383.95)	410.93 (285.19, 559.65)	-0.19 (-0.37, -0.00)
Central African Republic	3751.03 (2740.53, 4898.08)	360.21 (263.17, 470.36)	6665.75 (4886.15, 8264.86)	305.32 (223.80, 378.56)	-0.62 (-0.68, -0.55)
Chad	4549.42 (3257.60, 5973.82)	216.73 (155.19, 284.59)	12112.84 (8929.05, 15391.58)	192.48 (141.89, 244.59)	-0.38 (-0.42, -0.34)
Chile	20673.64 (14137.09, 27514.83)	360.96 (246.84, 480.41)	21633.92 (14644.56, 28803.89)	305.76 (206.98, 407.09)	-0.56 (-0.74, -0.38)

location	Number in 1990 (95% UI)	Rate in 1990 (95% UI)	Number in 2021 (95% UI)	Rate in 2021 (95% UI)	EAPC in ASIR between 1990 and 2021
China	1118694.54 (761632.89, 1534354.46)	204.09 (138.95, 279.92)	626140.43 (435176.22, 829501.10)	135.69 (94.31, 179.76)	-1.67 (-1.91, -1.43)
Colombia	57373.93 (38688.45, 80216.92)	408.23 (275.28, 570.77)	60059.49 (40411.14, 81411.02)	298.89 (201.11, 405.15)	-0.79 (-0.89, -0.69)
Comoros	773.06 (516.33, 1088.25)	447.52 (298.90, 629.99)	1071.16 (728.59, 1408.02)	345.77 (235.19, 454.51)	-0.87 (-0.96, -0.77)
Congo	3486.93 (2473.52, 4710.55)	368.08 (261.10, 497.24)	6052.38 (4433.49, 7953.00)	273.17 (200.10, 358.95)	-1.22 (-1.30, -1.14)
Cook Islands	18.46 (14.20, 22.81)	239.14 (184.03, 295.57)	8.32 (6.26, 10.70)	141.25 (106.17, 181.55)	-1.56 (-2.00, -1.12)
Costa Rica	8164.83 (5717.32, 11276.85)	635.59 (445.07, 877.85)	9319.84 (6459.31, 12546.57)	489.67 (339.38, 659.21)	-0.92 (-0.96, -0.88)
Coted'Ivoire	15022.37 (10382.28, 21371.75)	317.59 (219.50, 451.83)	30900.01 (22508.76, 39536.74)	275.60 (200.76, 352.64)	-0.48 (-0.54, -0.42)
Croatia	7722.68 (5046.88, 10681.68)	425.61 (278.14, 588.68)	4558.91 (2988.79, 6304.72)	365.24 (239.45, 505.11)	-0.60 (-0.63, -0.56)
Cuba	34945.60 (23427.10, 50775.21)	716.15 (480.10, 1040.55)	17405.27 (11804.70, 23583.09)	485.42 (329.22, 657.71)	-1.02 (-1.10, -0.93)
Cyprus	1352.91 (897.52, 1848.66)	439.89 (291.82, 601.08)	1617.73 (1118.40, 2180.56)	322.42 (222.90, 434.59)	-0.97 (-1.02, -0.92)
Czechia	14137.87 (9750.06, 19511.84)	381.01 (262.76, 525.83)	8983.85 (6160.86, 11985.97)	304.22 (208.63, 405.88)	-1.04 (-1.15, -0.93)
Democratic People's Republic of Korea	31142.90 (22747.80, 41346.08)	373.38 (272.73, 495.71)	30891.19 (22746.22, 41866.28)	307.12 (226.14, 416.23)	-0.59 (-0.64, -0.54)
Democratic Republic of the Congo	40143.50 (27937.32, 53367.03)	280.23 (195.02, 372.54)	87354.45 (63743.90, 110913.52)	242.07 (176.64, 307.36)	-0.51 (-0.56, -0.46)
Denmark	6915.48 (5062.93, 9123.53)	362.46 (265.36, 478.19)	5295.11 (3606.27, 7376.56)	290.36 (197.75, 404.49)	-0.51 (-0.72, -0.30)
Djibouti	640.87 (455.84, 858.24)	365.54 (260.00, 489.51)	1290.43 (964.83, 1632.81)	238.63 (178.42, 301.94)	-1.46 (-1.53, -1.38)
Dominica	168.28 (113.34, 233.36)	576.20 (388.08, 799.03)	130.30 (92.47, 175.21)	503.11 (357.06, 676.55)	-0.34 (-0.45, -0.23)
Dominican Republic	12076.61 (8322.53, 15870.39)	393.12 (270.92, 516.61)	15283.62 (11025.29, 19854.00)	336.11 (242.46, 436.61)	-0.30 (-0.43, -0.18)
Ecuador	7995.38 (5061.05, 11506.62)	193.76 (122.65, 278.86)	12377.21 (8231.80, 17280.51)	169.45 (112.70, 236.57)	-0.24 (-0.44, -0.04)
Egypt	76501.28 (54371.55, 101884.14)	348.96 (248.02, 464.75)	111668.65 (80055.82, 146479.80)	264.54 (189.65, 347.01)	-1.00 (-1.05, -0.95)
El Salvador	12184.60 (8083.80, 17381.55)	583.19 (386.91, 831.93)	11957.91 (7807.26, 16764.97)	461.35 (301.21, 646.81)	-0.79 (-0.81, -0.76)
Equatorial Guinea	520.43 (370.56, 676.57)	344.65 (245.40, 448.05)	1395.39 (1006.99, 1822.68)	200.60 (144.76, 262.03)	-1.97 (-2.08, -1.86)
Eritrea	6120.71 (4226.08, 8173.27)	472.31 (326.11, 630.70)	9604.30 (7022.49, 12389.63)	343.02 (250.81, 442.49)	-1.09 (-1.16, -1.02)
Estonia	1910.73 (1381.31, 2516.17)	336.40 (243.19, 443.00)	1063.83 (733.15, 1396.55)	269.02 (185.39, 353.15)	-1.09 (-1.29, -0.90)
Eswatini	1403.20 (956.20, 1924.62)	465.61 (317.29, 638.63)	1983.38 (1424.51, 2567.32)	389.56 (279.79, 504.25)	-0.63 (-0.76, -0.50)
Ethiopia	62902.21 (43350.57, 83500.11)	344.30 (237.28, 457.04)	80228.01 (57902.78, 102615.35)	173.07 (124.91, 221.37)	-2.46 (-2.63, -2.29)
Fiji	1247.68 (919.56, 1621.78)	386.93 (285.18, 502.95)	800.39 (638.67, 981.12)	224.37 (179.03, 275.03)	-1.95 (-2.03, -1.86)
Finland	5999.07 (4240.42, 7898.78)	330.45 (233.58, 435.09)	4620.78 (3204.19, 6100.89)	277.36 (192.33, 366.20)	-0.36 (-0.44, -0.27)
France	117198.13 (83455.59, 156109.68)	532.70 (379.33, 709.57)	63314.59 (43436.44, 89510.07)	318.70 (218.64, 450.56)	-1.37 (-1.60, -1.14)
Gabon	1159.94 (813.41, 1614.10)	301.57 (211.48, 419.65)	1670.74 (1162.65, 2205.92)	222.90 (155.11, 294.30)	-1.03 (-1.12, -0.95)
Gambia	997.06 (713.36, 1308.70)	264.45 (189.20, 347.10)	2391.18 (1692.45, 3013.21)	239.09 (169.22, 301.28)	-0.39 (-0.43, -0.36)
Georgia	5271.78 (3662.07, 6937.74)	247.62 (172.01, 325.88)	2053.45 (1454.70, 2645.01)	180.97 (128.20, 233.10)	-1.14 (-1.23, -1.05)
Germany	115352.72 (79696.19, 153785.56)	388.28 (268.26, 517.65)	60386.74 (41132.75, 81059.83)	238.70 (162.59, 320.41)	-0.79 (-1.15, -0.44)
Ghana	13255.73 (9719.24, 17166.50)	230.93 (169.32, 299.06)	26027.54 (19926.49, 32502.76)	181.99 (139.33, 227.26)	-0.87 (-0.91, -0.82)
Greece	13908.76 (9063.16, 18896.32)	369.98 (241.09, 502.65)	7216.40 (4894.05, 9906.71)	259.23 (175.80, 355.87)	-1.38 (-1.56, -1.20)
Greenland	209.25 (159.79, 267.23)	790.57 (603.71, 1009.62)	112.88 (83.64, 146.76)	553.38 (410.06, 719.49)	-1.08 (-1.16, -0.99)

location	Number in 1990 (95% UI)	Rate in 1990 (95% UI)	Number in 2021 (95% UI)	Rate in 2021 (95% UI)	EAPC in ASIR between 1990 and 2021
Grenada	246.07 (161.25, 350.53)	738.06 (483.66, 1051.35)	234.80 (154.42, 330.67)	580.91 (382.06, 818.10)	-0.56 (-0.62, -0.51)
Guam	143.56 (101.91, 189.74)	226.34 (160.68, 299.14)	66.60 (49.96, 86.13)	120.14 (90.11, 155.36)	-1.86 (-2.41, -1.32)
Guatemala	12529.64 (8523.85, 17596.76)	424.17 (288.56, 595.70)	17517.24 (12074.65, 24051.10)	257.35 (177.39, 353.34)	-1.69 (-1.85, -1.52)
Guinea	6219.55 (4217.59, 8501.52)	302.74 (205.29, 413.82)	13641.77 (9932.80, 17497.28)	264.01 (192.23, 338.63)	-0.27 (-0.33, -0.22)
Guinea-Bissau	1333.00 (966.97, 1793.61)	359.45 (260.75, 483.66)	2501.36 (1823.97, 3127.80)	296.45 (216.17, 370.69)	-0.62 (-0.65, -0.59)
Guyana	1918.02 (1358.10, 2581.64)	563.53 (399.02, 758.50)	1748.60 (1232.66, 2333.45)	562.73 (396.69, 750.94)	-0.04 (-0.09, 0.02)
Haiti	18806.59 (13033.75, 26497.86)	772.57 (535.42, 1088.53)	35654.15 (25045.52, 47877.84)	649.51 (456.25, 872.19)	-0.47 (-0.53, -0.40)
Honduras	7833.37 (5281.00, 11029.51)	453.73 (305.89, 638.85)	13142.23 (9159.29, 17619.05)	298.98 (208.37, 400.83)	-1.58 (-1.75, -1.41)
Hungary	15821.50 (10933.37, 21392.61)	428.08 (295.82, 578.82)	8993.90 (6173.17, 12365.91)	326.87 (224.36, 449.42)	-1.20 (-1.29, -1.10)
Iceland	518.63 (335.15, 722.58)	499.25 (322.63, 695.58)	449.08 (303.14, 626.25)	375.26 (253.31, 523.31)	-0.71 (-0.80, -0.61)
India	588735.33 (418261.93, 770770.37)	172.64 (122.65, 226.01)	863291.10 (651403.28, 1083832.94)	141.65 (106.88, 177.84)	-0.84 (-0.94, -0.75)
Indonesia	251196.22 (172706.50, 333722.42)	321.87 (221.29, 427.61)	229133.72 (167508.85, 296825.27)	201.22 (147.10, 260.66)	-1.57 (-1.69, -1.46)
Iran (Islamic Republic of)	82520.40 (59539.04, 109266.87)	379.96 (274.14, 503.11)	76976.33 (57100.59, 97204.43)	221.81 (164.54, 280.10)	-1.94 (-2.12, -1.76)
Iraq	30551.47 (23222.56, 40564.09)	425.20 (323.20, 564.55)	51142.51 (36993.67, 66408.35)	293.31 (212.16, 380.86)	-1.37 (-1.50, -1.24)
Ireland	7115.47 (4918.68, 9636.99)	518.72 (358.58, 702.54)	5023.53 (3414.09, 6934.88)	321.05 (218.19, 443.20)	-1.54 (-1.85, -1.24)
Israel	6165.14 (4362.22, 8294.97)	322.62 (228.27, 434.07)	7769.38 (5326.61, 10360.47)	233.80 (160.29, 311.78)	-1.09 (-1.25, -0.92)
Italy	68562.14 (47864.09, 90786.66)	321.16 (224.20, 425.26)	39229.27 (26118.66, 52660.71)	248.36 (165.36, 333.40)	-1.07 (-1.30, -0.84)
Jamaica	5519.46 (3587.68, 7826.05)	561.63 (365.06, 796.34)	5442.60 (3768.55, 7372.09)	456.12 (315.82, 617.82)	-0.61 (-0.72, -0.49)
Japan	217481.73 (149447.94, 305382.26)	485.29 (333.48, 681.44)	78981.88 (51952.87, 106345.83)	243.69 (160.30, 328.13)	-2.41 (-2.51, -2.31)
Jordan	6105.21 (4282.27, 8310.99)	397.23 (278.62, 540.75)	15756.39 (10941.38, 21286.59)	293.51 (203.82, 396.53)	-0.89 (-1.00, -0.77)
Kazakhstan	10518.99 (7641.02, 13558.23)	154.94 (112.55, 199.71)	9389.40 (6902.88, 12083.60)	134.72 (99.05, 173.38)	-0.50 (-0.64, -0.36)
Kenya	25888.91 (17587.97, 34595.38)	295.62 (200.83, 395.03)	48417.35 (35345.62, 62199.88)	223.62 (163.25, 287.28)	-0.91 (-1.02, -0.80)
Kiribati	159.28 (122.14, 199.87)	521.69 (400.04, 654.64)	186.37 (149.54, 221.29)	374.81 (300.74, 445.05)	-1.25 (-1.32, -1.17)
Kuwait	2921.49 (2047.05, 3888.11)	345.69 (242.22, 460.07)	5755.27 (4098.94, 7404.03)	271.12 (193.10, 348.80)	-0.73 (-0.86, -0.61)
Kyrgyzstan	7005.88 (5035.42, 9301.19)	388.43 (279.18, 515.69)	7062.42 (4832.59, 9623.67)	259.50 (177.57, 353.61)	-1.58 (-1.68, -1.49)
Lao People's Democratic Republic	3839.13 (2831.87, 4961.19)	248.49 (183.29, 321.11)	5517.11 (4092.24, 6870.80)	171.99 (127.57, 214.19)	-1.24 (-1.31, -1.18)
Latvia	4299.58 (3046.40, 5740.40)	450.70 (319.34, 601.74)	1589.51 (1097.19, 2101.00)	295.11 (203.71, 390.08)	-1.50 (-1.56, -1.43)
Lebanon	5179.91 (3781.79, 6941.34)	449.34 (328.06, 602.14)	7824.88 (5580.77, 10248.15)	337.23 (240.51, 441.66)	-0.95 (-0.99, -0.91)
Lesotho	859.90 (640.56, 1095.14)	159.37 (118.72, 202.97)	1017.68 (795.44, 1227.56)	122.34 (95.63, 147.58)	-0.71 (-0.80, -0.62)
Liberia	1937.67 (1390.79, 2469.31)	210.03 (150.75, 267.65)	4415.23 (3151.01, 5653.11)	196.65 (140.34, 251.79)	-0.47 (-0.57, -0.37)
Libya	6483.22 (4803.25, 8728.51)	385.86 (285.87, 519.49)	8661.86 (6483.15, 11234.97)	288.68 (216.07, 374.43)	-0.95 (-0.98, -0.92)
Lithuania	4992.12 (3503.20, 6678.25)	358.29 (251.43, 479.30)	2259.01 (1518.06, 2972.31)	280.59 (188.56, 369.19)	-0.74 (-0.80, -0.68)
Luxembourg	675.35 (465.94, 993.21)	457.63 (315.74, 673.03)	662.58 (455.55, 887.71)	300.35 (206.50, 402.40)	-1.26 (-1.40, -1.12)
Madagascar	26182.33 (16302.40, 39202.36)	578.02 (359.91, 865.47)	64090.59 (43431.71, 91928.11)	547.28 (370.87, 784.99)	-0.15 (-0.22, -0.07)
Malawi	13744.42 (9371.64, 19081.56)	367.84 (250.81, 510.68)	26344.87 (18463.47, 35277.65)	321.94 (225.63, 431.10)	-0.50 (-0.57, -0.43)

location	Number in 1990 (95% UI)	Rate in 1990 (95% UI)	Number in 2021 (95% UI)	Rate in 2021 (95% UI)	EAPC in ASIR between 1990 and 2021
Malaysia	26229.45 (20062.28, 33499.16)	353.41 (270.31, 451.35)	29578.37 (21654.61, 38699.71)	212.76 (155.76, 278.37)	-1.80 (-1.87, -1.73)
Maldives	203.33 (141.69, 267.98)	250.21 (174.35, 329.76)	312.48 (228.66, 398.98)	120.11 (87.89, 153.36)	-2.27 (-2.54, -2.00)
Mali	7941.40 (5886.91, 10546.54)	265.98 (197.17, 353.24)	20278.13 (14799.77, 26164.87)	227.66 (166.16, 293.75)	-0.58 (-0.68, -0.48)
Malta	630.05 (441.52, 849.21)	456.58 (319.96, 615.40)	400.11 (277.93, 534.97)	298.91 (207.63, 399.66)	-1.46 (-1.53, -1.39)
Marshall Islands	68.27 (53.54, 84.41)	398.01 (312.16, 492.13)	60.96 (49.75, 72.10)	256.99 (209.72, 303.95)	-1.54 (-1.66, -1.42)
Mauritania	3124.12 (2104.31, 4339.68)	406.35 (273.70, 564.46)	5943.84 (4064.95, 8377.38)	348.20 (238.13, 490.76)	-0.66 (-0.78, -0.53)
Mauritius	1586.03 (1139.91, 2095.93)	319.05 (229.30, 421.62)	998.95 (732.29, 1279.46)	219.45 (160.87, 281.07)	-1.33 (-1.44, -1.22)
Mexico	115077.32 (77443.59, 160383.90)	322.69 (217.16, 449.73)	100897.84 (69159.56, 137351.55)	195.87 (134.26, 266.64)	-1.66 (-1.71, -1.61)
Micronesia (Federated States of)	169.94 (133.45, 205.39)	424.16 (333.07, 512.64)	108.32 (86.60, 130.19)	255.06 (203.94, 306.57)	-1.79 (-1.84, -1.74)
Monaco	29.52 (20.23, 40.81)	322.65 (221.13, 446.05)	27.77 (19.15, 37.34)	297.87 (205.40, 400.61)	-0.07 (-0.14, 0.01)
Mongolia	1810.58 (1246.68, 2515.03)	204.89 (141.08, 284.61)	2314.42 (1621.44, 3036.11)	183.37 (128.47, 240.55)	-0.32 (-0.49, -0.15)
Montenegro	950.66 (623.54, 1326.70)	378.71 (248.40, 528.52)	747.01 (499.64, 1021.58)	363.11 (242.86, 496.57)	-0.23 (-0.34, -0.12)
Morocco	27014.34 (19556.38, 35597.83)	259.84 (188.10, 342.40)	31669.98 (23297.32, 40837.04)	215.72 (158.69, 278.16)	-0.70 (-0.82, -0.57)
Mozambique	15257.00 (10611.76, 19974.39)	321.67 (223.73, 421.13)	37907.81 (27238.14, 49602.33)	315.28 (226.54, 412.54)	0.02 (-0.03, 0.07)
Myanmar	41583.48 (31124.72, 53556.77)	242.22 (181.30, 311.97)	31728.13 (24584.56, 38617.29)	141.13 (109.35, 171.77)	-1.98 (-2.07, -1.88)
Namibia	1510.81 (1098.75, 1952.40)	270.17 (196.48, 349.14)	1909.41 (1452.95, 2374.41)	182.70 (139.03, 227.20)	-1.49 (-1.60, -1.37)
Nauru	15.14 (12.01, 18.73)	374.52 (297.13, 463.35)	10.98 (8.89, 13.05)	236.02 (190.98, 280.29)	-1.72 (-1.91, -1.53)
Nepal	9281.18 (7158.74, 11561.71)	127.05 (98.00, 158.27)	11447.94 (8863.65, 14189.85)	85.38 (66.11, 105.83)	-1.37 (-1.43, -1.30)
Netherlands	16818.56 (10995.60, 22681.68)	278.92 (182.35, 376.16)	11088.09 (7509.01, 14990.81)	209.99 (142.20, 283.89)	-0.86 (-1.08, -0.64)
New Zealand	7835.68 (5423.69, 10834.95)	567.20 (392.60, 784.31)	5073.84 (3316.85, 7130.97)	281.66 (184.13, 395.86)	-1.98 (-2.34, -1.63)
Nicaragua	6354.50 (4156.99, 8825.85)	430.51 (281.63, 597.94)	8585.73 (5740.38, 11683.30)	301.66 (201.69, 410.50)	-1.16 (-1.22, -1.10)
Niger	8589.21 (6053.37, 11255.63)	308.59 (217.49, 404.39)	23117.73 (17009.03, 29962.72)	259.24 (190.74, 336.00)	-0.48 (-0.57, -0.38)
Nigeria	131568.84 (90853.43, 177471.47)	385.33 (266.09, 519.77)	289326.54 (198735.38, 384989.79)	321.69 (220.97, 428.06)	-0.83 (-0.94, -0.73)
Niue	2.23 (1.75, 2.76)	276.95 (217.47, 343.44)	0.80 (0.63, 0.99)	141.31 (110.39, 175.03)	-2.42 (-2.56, -2.28)
North Macedonia	4011.05 (2711.74, 5604.79)	505.10 (341.48, 705.80)	3129.60 (2082.20, 4298.76)	409.22 (272.27, 562.10)	-0.83 (-0.89, -0.77)
Northern Mariana Islands	51.47 (39.94, 64.15)	219.78 (170.52, 273.92)	20.28 (15.04, 26.26)	123.02 (91.20, 159.29)	-1.70 (-2.15, -1.25)
Norway	9083.78 (6478.72, 12132.15)	567.80 (404.97, 758.35)	6431.60 (4316.17, 8585.00)	362.39 (243.20, 483.73)	-1.46 (-1.60, -1.31)
Oman	2525.38 (1742.18, 3326.10)	304.37 (209.98, 400.88)	6785.58 (4845.31, 8939.03)	293.20 (209.36, 386.25)	-0.20 (-0.38, -0.03)
Pakistan	70284.96 (51855.63, 90529.59)	172.25 (127.08, 221.86)	115407.30 (89413.21, 145051.96)	116.68 (90.40, 146.66)	-1.48 (-1.63, -1.33)
Palau	19.11 (14.62, 24.22)	273.89 (209.52, 347.20)	8.96 (7.17, 10.85)	152.20 (121.72, 184.29)	-1.80 (-2.05, -1.54)
Palestine	3061.81 (2104.07, 4132.71)	398.94 (274.15, 538.47)	6848.86 (4646.27, 9173.30)	313.64 (212.78, 420.09)	-0.71 (-0.76, -0.66)
Panama	4752.72 (3139.65, 6893.42)	469.84 (310.38, 681.46)	6015.07 (4126.91, 8248.37)	364.45 (250.05, 499.76)	-0.85 (-0.87, -0.83)
Papua New Guinea	6070.17 (4784.39, 7500.94)	366.73 (289.05, 453.18)	10407.45 (8541.01, 12112.66)	243.19 (199.58, 283.04)	-1.46 (-1.56, -1.37)
Paraguay	5449.70 (3564.04, 7754.98)	347.71 (227.40, 494.80)	10162.83 (6696.74, 14264.39)	332.17 (218.88, 466.22)	-0.10 (-0.16, -0.05)
Peru	21158.71 (13321.68, 30899.24)	238.51 (150.17, 348.31)	31168.37 (19621.53, 43396.99)	209.73 (132.03, 292.02)	-0.41 (-0.43, -0.39)

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Philippines	108094.02 (75816.23, 144397.48)	417.04 (292.51, 557.11)	170017.42 (125336.15, 222683.67)	359.82 (265.26, 471.29)	-0.26 (-0.35, -0.18)
Poland	139162.33 (97858.90, 187897.12)	963.40 (677.46, 1300.78)	62509.96 (43399.79, 82317.23)	516.67 (358.72, 680.39)	-2.18 (-2.26, -2.09)
Portugal	27486.45 (16438.55, 43051.99)	725.98 (434.18, 1137.10)	11105.91 (7895.84, 15311.12)	376.26 (267.51, 518.74)	-1.97 (-2.23, -1.72)
Puerto Rico	11313.34 (7603.73, 16189.22)	799.77 (537.53, 1144.46)	6470.66 (4284.66, 9242.10)	625.63 (414.27, 893.59)	-0.79 (-0.84, -0.75)
Qatar	724.06 (521.34, 947.96)	306.22 (220.49, 400.91)	3962.53 (2835.24, 5242.98)	239.79 (171.57, 317.27)	-1.10 (-1.30, -0.90)
Republic of Korea	53322.03 (36241.22, 72579.86)	253.33 (172.18, 344.83)	30377.62 (20293.86, 41883.52)	189.84 (126.82, 261.75)	-0.91 (-1.01, -0.80)
Republic of Moldova	6750.83 (5002.29, 8686.16)	387.35 (287.02, 498.40)	3238.25 (2239.18, 4365.07)	261.09 (180.54, 351.95)	-1.37 (-1.48, -1.27)
Romania	45550.56 (29801.11, 65717.28)	524.35 (343.05, 756.50)	22391.19 (14769.97, 31082.09)	415.48 (274.06, 576.74)	-1.01 (-1.08, -0.93)
Russian Federation	287021.59 (205373.73, 374758.70)	493.41 (353.05, 644.23)	101988.66 (71994.85, 133789.96)	219.45 (154.91, 287.87)	-2.82 (-2.96, -2.68)
Rwanda	17868.85 (11818.58, 26204.65)	652.01 (431.25, 956.18)	30908.04 (20903.90, 42957.04)	544.98 (368.59, 757.44)	-0.73 (-0.85, -0.60)
Saint Kitts and Nevis	91.56 (64.09, 127.78)	529.83 (370.84, 739.39)	85.94 (58.44, 115.07)	378.15 (257.15, 506.33)	-0.93 (-1.04, -0.81)
Saint Lucia	378.33 (260.57, 518.63)	672.48 (463.17, 921.86)	360.40 (255.00, 490.12)	545.28 (385.82, 741.55)	-0.63 (-0.69, -0.56)
Saint Vincent and the Grenadines	242.76 (156.52, 352.04)	528.51 (340.76, 766.43)	183.87 (129.05, 249.95)	444.97 (312.30, 604.88)	-0.51 (-0.59, -0.44)
Samoa	192.90 (140.98, 248.43)	288.06 (210.54, 371.00)	165.87 (127.16, 215.28)	206.43 (158.26, 267.94)	-1.09 (-1.15, -1.03)
San Marino	31.38 (20.69, 42.83)	334.13 (220.28, 456.04)	26.89 (18.21, 37.09)	300.04 (203.21, 413.79)	-0.12 (-0.24, -0.00)
Sao Tome and Principe	148.39 (105.01, 201.74)	345.67 (244.62, 469.95)	312.96 (227.46, 404.30)	344.34 (250.26, 444.84)	-0.30 (-0.47, -0.14)
Saudi Arabia	17088.55 (12374.88, 22166.61)	257.15 (186.22, 333.57)	43019.50 (32356.60, 53627.47)	232.26 (174.69, 289.53)	-0.32 (-0.46, -0.17)
Senegal	6741.47 (4525.39, 9153.36)	244.30 (164.00, 331.71)	13223.06 (9528.75, 16838.52)	205.08 (147.78, 261.15)	-0.62 (-0.76, -0.47)
Serbia	13429.79 (9152.53, 17878.86)	373.97 (254.86, 497.86)	9053.09 (6222.40, 12218.26)	305.41 (209.91, 412.18)	-0.75 (-0.85, -0.65)
Seychelles	71.97 (54.40, 90.93)	230.54 (174.25, 291.25)	62.96 (48.98, 78.62)	164.03 (127.60, 204.82)	-1.21 (-1.29, -1.13)
Sierra Leone	4219.01 (3055.34, 5581.04)	264.12 (191.27, 349.38)	9446.70 (6995.93, 12124.81)	253.28 (187.57, 325.09)	-0.09 (-0.13, -0.05)
Singapore	7355.21 (5364.65, 9598.65)	487.34 (355.45, 635.98)	4068.83 (2794.20, 5412.62)	211.51 (145.25, 281.36)	-2.62 (-2.89, -2.36)
Slovakia	7053.27 (4796.34, 9598.76)	344.56 (234.30, 468.91)	5061.48 (3453.83, 6824.97)	295.77 (201.82, 398.82)	-0.63 (-0.73, -0.54)
Slovenia	4189.02 (2696.96, 5766.70)	546.63 (351.93, 752.50)	2525.08 (1666.54, 3571.85)	443.46 (292.68, 627.30)	-0.91 (-0.98, -0.83)
Solomon Islands	467.98 (360.65, 581.27)	364.85 (281.17, 453.17)	735.97 (601.43, 863.31)	269.07 (219.88, 315.63)	-1.04 (-1.12, -0.96)
Somalia	14634.84 (10476.68, 20069.50)	504.78 (361.36, 692.23)	33575.37 (23837.41, 44023.55)	404.98 (287.52, 531.00)	-0.83 (-0.95, -0.72)
South Africa	54981.71 (40528.73, 71086.47)	349.41 (257.56, 451.75)	32848.82 (25283.32, 40267.96)	135.48 (104.27, 166.07)	-3.52 (-3.90, -3.14)
South Sudan	8802.18 (6057.20, 11874.58)	381.30 (262.39, 514.39)	10809.39 (7523.81, 14294.69)	300.34 (209.05, 397.17)	-0.84 (-0.96, -0.71)
Spain	45015.43 (29588.76, 60585.06)	303.55 (199.52, 408.54)	30614.47 (20895.00, 42276.09)	246.57 (168.29, 340.49)	-0.47 (-0.70, -0.24)
Sri Lanka	23138.12 (17867.89, 28845.75)	312.91 (241.63, 390.09)	16252.83 (11821.07, 20426.11)	201.53 (146.58, 253.28)	-1.70 (-1.80, -1.60)
Sudan	28368.73 (20067.13, 37917.32)	372.27 (263.33, 497.57)	45526.12 (33273.52, 58691.00)	246.28 (180.00, 317.50)	-1.42 (-1.53, -1.31)
Suriname	846.97 (561.55, 1216.18)	520.11 (344.84, 746.83)	945.07 (657.31, 1271.35)	440.28 (306.22, 592.28)	-0.45 (-0.49, -0.41)
Sweden	19014.98 (12689.58, 25685.41)	647.77 (432.29, 875.01)	12986.84 (9018.81, 17637.21)	400.64 (278.23, 544.11)	-1.63 (-1.77, -1.49)
Switzerland	9501.26 (6476.74, 13170.20)	360.59 (245.80, 499.83)	7426.66 (4938.89, 9986.76)	267.48 (177.88, 359.68)	-0.82 (-0.88, -0.76)
Syrian Arab Republic	18434.66 (13353.82, 24882.07)	384.26 (278.35, 518.65)	18811.45 (13356.24, 25878.98)	369.86 (262.60, 508.81)	-0.05 (-0.14, 0.03)

location	Number in 1990 (95% UI)	Rate in 1990 (95% UI)	Number in 2021 (95% UI)	Rate in 2021 (95% UI)	EAPC in ASIR between 1990 and 2021
Taiwan (Province of China)	35226.18 (23999.09, 47795.75)	381.79 (260.11, 518.03)	24526.38 (16677.14, 34024.32)	325.08 (221.04, 450.97)	-0.53 (-0.59, -0.48)
Tajikistan	4905.37 (3429.11, 6653.18)	231.97 (162.16, 314.62)	7669.89 (5378.99, 10280.94)	183.88 (128.96, 246.48)	-0.83 (-0.94, -0.72)
Thailand	77244.21 (56536.38, 100577.53)	297.87 (218.02, 387.85)	53010.99 (38234.50, 68650.07)	250.06 (180.35, 323.83)	-0.75 (-0.88, -0.62)
Timor-Leste	916.46 (692.77, 1152.26)	287.92 (217.65, 362.01)	1255.08 (939.90, 1586.28)	219.67 (164.51, 277.64)	-0.96 (-1.08, -0.83)
Togo	4341.15 (2922.51, 6365.34)	316.67 (213.19, 464.33)	9687.22 (6713.93, 13084.54)	287.92 (199.55, 388.90)	-0.23 (-0.31, -0.15)
Tokelau	2.00 (1.57, 2.41)	344.33 (270.75, 415.48)	0.89 (0.72, 1.08)	179.28 (145.28, 217.82)	-2.37 (-2.48, -2.26)
Tonga	129.79 (96.13, 173.34)	351.75 (260.54, 469.78)	106.29 (77.03, 138.94)	273.25 (198.03, 357.19)	-0.86 (-0.91, -0.81)
Trinidad and Tobago	1986.13 (1385.75, 2665.53)	396.16 (276.40, 531.67)	1325.06 (971.64, 1729.73)	266.19 (195.20, 347.49)	-1.20 (-1.72, -0.67)
Tunisia	11416.28 (8125.94, 15403.03)	331.89 (236.23, 447.79)	11863.65 (8824.51, 15215.89)	272.62 (202.78, 349.65)	-0.68 (-0.76, -0.60)
Turkey	110115.18 (80042.64, 142905.71)	460.37 (334.64, 597.46)	110643.54 (75989.99, 147630.37)	347.28 (238.51, 463.38)	-1.37 (-1.63, -1.10)
Turkmenistan	6313.33 (4703.30, 8322.00)	411.28 (306.39, 542.13)	3960.97 (2828.11, 5181.48)	190.44 (135.98, 249.13)	-2.56 (-2.66, -2.47)
Tuvalu	15.18 (11.90, 18.54)	420.60 (329.65, 513.68)	10.71 (8.78, 12.73)	215.52 (176.66, 256.24)	-2.32 (-2.40, -2.24)
Uganda	28920.53 (19742.27, 40669.02)	450.88 (307.78, 634.04)	64433.24 (45015.49, 87239.65)	374.64 (261.74, 507.25)	-0.75 (-0.88, -0.62)
Ukraine	87500.70 (59404.81, 120221.36)	460.67 (312.75, 632.93)	37464.49 (26128.71, 50590.87)	271.78 (189.54, 367.00)	-2.05 (-2.17, -1.92)
United Arab Emirates	7157.66 (5353.01, 9317.06)	748.78 (559.99, 974.68)	26646.06 (19179.98, 34750.55)	663.27 (477.42, 865.00)	-0.31 (-0.54, -0.08)
United Kingdom	138205.90 (101335.27, 183680.42)	661.28 (484.86, 878.86)	100118.77 (70931.02, 137225.36)	460.28 (326.10, 630.88)	-0.81 (-1.02, -0.59)
United Republic of Tanzania	42975.45 (28225.56, 63443.19)	443.55 (291.32, 654.80)	100089.84 (66145.28, 144403.02)	428.95 (283.48, 618.86)	-0.10 (-0.16, -0.04)
United States of America	629884.78 (428260.72, 840774.67)	616.51 (419.17, 822.92)	777534.76 (562619.89, 1013935.28)	698.59 (505.50, 910.99)	0.96 (0.78, 1.14)
United States Virgin Islands	211.23 (145.38, 297.30)	533.24 (367.00, 750.51)	103.70 (71.19, 143.80)	448.37 (307.80, 621.76)	-0.51 (-0.62, -0.41)
Uruguay	4108.07 (2901.55, 5354.24)	361.68 (255.46, 471.40)	3435.14 (2343.52, 4702.50)	287.16 (195.91, 393.11)	-0.78 (-0.92, -0.64)
Uzbekistan	37922.08 (27594.50, 51370.99)	441.80 (321.48, 598.49)	44029.90 (31558.58, 56914.37)	320.52 (229.73, 414.31)	-1.37 (-1.54, -1.21)
Vanuatu	231.92 (179.29, 284.70)	395.89 (306.05, 485.99)	332.60 (273.33, 395.16)	266.85 (219.30, 317.05)	-1.51 (-1.63, -1.40)
Venezuela (Bolivarian Republic of)	34039.77 (22549.74, 48507.16)	425.01 (281.55, 605.65)	35004.20 (24521.87, 47270.25)	373.87 (261.91, 504.88)	-0.49 (-0.56, -0.42)
Viet Nam	72779.39 (51601.54, 93839.21)	255.21 (180.95, 329.06)	76814.96 (56923.27, 100702.27)	200.09 (148.28, 262.31)	-0.69 (-0.85, -0.52)
Yemen	23116.94 (17924.90, 28926.92)	502.88 (389.94, 629.27)	49158.15 (38040.65, 61856.91)	357.26 (276.46, 449.55)	-1.15 (-1.19, -1.12)
Zambia	6751.81 (4857.24, 8733.81)	222.52 (160.08, 287.84)	14813.97 (10874.34, 18453.25)	183.05 (134.37, 228.02)	-0.73 (-0.81, -0.65)
Zimbabwe	7492.89 (5480.68, 9578.18)	188.99 (138.24, 241.59)	11750.33 (9248.43, 14373.48)	185.41 (145.93, 226.80)	0.05 (-0.00, 0.10)

**Abbreviation:** EAPC, estimated annual percentage change; ASIR, age-standardized rates for incidence; UI, uncertainty interval; SDI, socio-demographic index; GBD, global burden of disease.

**Supplementary Table SIV. Pneumoconiosis incidence in 1990 and 2021 in adolescents and young adults and EAPC in ASIR by location**

location	Number in 1990 (95% UI)	Rate in 1990 (95% UI)	Number in 2021 (95% UI)	Rate in 2021 (95% UI)	EAPC in ASIR between 1990 and 2021
Global	5361.22 (3815.18, 7356.02)	0.24 (0.17, 0.34)	5773.16 (4048.80, 7944.78)	0.19 (0.14, 0.27)	-0.73 (-0.81, -0.65)
SDI regions					
High SDI	653.04 (438.61, 981.45)	0.19 (0.13, 0.28)	554.17 (376.27, 805.53)	0.16 (0.11, 0.23)	-0.52 (-0.60, -0.44)
High-middle SDI	1210.99 (866.75, 1670.05)	0.27 (0.19, 0.37)	898.02 (636.93, 1273.30)	0.20 (0.14, 0.29)	-1.03 (-1.14, -0.92)
Middle SDI	2295.11 (1658.29, 3071.54)	0.30 (0.22, 0.41)	2107.47 (1510.36, 2915.21)	0.23 (0.16, 0.31)	-1.03 (-1.07, -0.98)
Low-middle SDI	953.67 (644.75, 1321.96)	0.21 (0.14, 0.29)	1624.59 (1120.85, 2227.42)	0.20 (0.14, 0.28)	0.09 (-0.09, 0.27)
Low SDI	245.53 (165.89, 341.96)	0.13 (0.09, 0.19)	585.80 (412.31, 798.71)	0.13 (0.09, 0.18)	0.16 (-0.02, 0.34)
GBD regions					
Central Asia	26.91 (15.50, 42.81)	0.09 (0.05, 0.15)	33.72 (19.19, 55.72)	0.09 (0.05, 0.15)	-0.17 (-0.27, -0.08)
East Asia	2267.30 (1652.11, 3061.60)	0.40 (0.29, 0.54)	1239.76 (885.10, 1732.54)	0.26 (0.18, 0.36)	-1.81 (-1.97, -1.65)
South Asia	1035.50 (703.01, 1440.32)	0.24 (0.16, 0.33)	2024.90 (1403.54, 2744.39)	0.26 (0.18, 0.35)	0.52 (0.27, 0.77)
Southeast Asia	359.35 (237.59, 517.13)	0.18 (0.12, 0.26)	495.36 (321.82, 725.25)	0.18 (0.12, 0.26)	-0.01 (-0.11, 0.09)
High-income Asia Pacific	125.36 (82.07, 181.61)	0.19 (0.12, 0.27)	93.83 (63.00, 136.95)	0.19 (0.12, 0.27)	0.20 (0.01, 0.38)
Oceania	3.58 (2.12, 5.59)	0.13 (0.08, 0.21)	6.78 (3.85, 10.90)	0.12 (0.07, 0.19)	-0.39 (-0.44, -0.33)
Australasia	5.02 (3.02, 7.52)	0.06 (0.04, 0.09)	6.28 (3.87, 9.41)	0.06 (0.04, 0.09)	-0.10 (-0.23, 0.04)
Central Europe	79.99 (49.80, 121.73)	0.17 (0.11, 0.26)	51.39 (33.21, 78.17)	0.15 (0.09, 0.22)	-0.35 (-0.43, -0.26)
Eastern Europe	101.95 (54.03, 174.69)	0.12 (0.06, 0.20)	70.22 (35.84, 114.05)	0.11 (0.05, 0.17)	-0.32 (-0.42, -0.23)
Western Europe	197.70 (130.95, 306.60)	0.14 (0.09, 0.21)	170.31 (113.18, 259.50)	0.13 (0.09, 0.20)	-0.08 (-0.15, -0.01)
Andean Latin America	11.01 (6.45, 16.22)	0.07 (0.04, 0.10)	15.89 (8.68, 25.35)	0.06 (0.03, 0.09)	-0.63 (-0.72, -0.53)
Central Latin America	232.71 (161.79, 331.04)	0.34 (0.24, 0.48)	317.47 (218.05, 445.60)	0.31 (0.22, 0.44)	-0.31 (-0.41, -0.22)
High-income North America	207.48 (126.98, 332.14)	0.18 (0.11, 0.29)	149.99 (93.57, 235.80)	0.12 (0.08, 0.19)	-1.35 (-1.49, -1.20)
Southern Latin America	17.27 (10.02, 26.47)	0.09 (0.05, 0.14)	18.86 (11.14, 28.74)	0.07 (0.04, 0.11)	-0.83 (-0.93, -0.73)
Tropical Latin America	164.83 (116.80, 227.58)	0.26 (0.18, 0.35)	160.82 (111.49, 232.06)	0.18 (0.13, 0.26)	-1.24 (-1.63, -0.85)
Caribbean	13.34 (7.73, 21.36)	0.09 (0.05, 0.14)	16.57 (9.30, 25.94)	0.09 (0.05, 0.14)	0.07 (-0.00, 0.14)
Central Sub-Saharan Africa	13.30 (7.13, 21.90)	0.06 (0.03, 0.11)	32.54 (17.85, 49.31)	0.06 (0.03, 0.09)	-0.25 (-0.32, -0.18)
Eastern Sub-Saharan Africa	53.43 (31.40, 82.67)	0.08 (0.04, 0.12)	116.90 (69.45, 180.71)	0.07 (0.04, 0.10)	-0.55 (-0.63, -0.46)
North Africa and Middle East	363.65 (254.52, 502.91)	0.27 (0.19, 0.38)	588.84 (398.39, 830.63)	0.23 (0.16, 0.33)	-0.40 (-0.60, -0.20)
Southern Sub-Saharan Africa	36.51 (23.11, 56.41)	0.17 (0.11, 0.26)	45.91 (28.10, 69.71)	0.13 (0.08, 0.20)	-0.77 (-0.86, -0.67)
Western Sub-Saharan Africa	45.03 (24.66, 69.55)	0.06 (0.03, 0.10)	116.83 (67.26, 177.16)	0.06 (0.04, 0.09)	-0.03 (-0.10, 0.04)
Countries					
Afghanistan	6.60 (4.41, 9.65)	0.21 (0.14, 0.31)	25.16 (16.11, 37.20)	0.21 (0.13, 0.30)	0.08 (-0.18, 0.34)
Albania	2.02 (1.19, 3.29)	0.14 (0.08, 0.23)	1.15 (0.61, 1.80)	0.12 (0.06, 0.19)	-0.66 (-0.72, -0.59)
Algeria	19.93 (12.62, 29.39)	0.20 (0.12, 0.29)	31.56 (18.43, 48.85)	0.19 (0.11, 0.29)	-0.09 (-0.16, -0.02)

location	Number in 1990 (95% UI)	Rate in 1990 (95% UI)	Number in 2021 (95% UI)	Rate in 2021 (95% UI)	EAPC in ASIR between 1990 and 2021
American Samoa	0.03 (0.01, 0.04)	0.13 (0.07, 0.20)	0.02 (0.01, 0.03)	0.12 (0.06, 0.19)	-0.45 (-0.54, -0.36)
Andorra	0.03 (0.02, 0.05)	0.12 (0.06, 0.20)	0.03 (0.01, 0.04)	0.11 (0.06, 0.18)	-0.28 (-0.43, -0.13)
Angola	2.58 (1.33, 4.07)	0.07 (0.03, 0.10)	6.86 (3.86, 10.57)	0.06 (0.03, 0.09)	-0.46 (-0.52, -0.40)
Antigua and Barbuda	0.02 (0.01, 0.03)	0.08 (0.05, 0.13)	0.03 (0.01, 0.04)	0.08 (0.04, 0.12)	-0.16 (-0.22, -0.10)
Argentina	7.54 (4.10, 11.98)	0.06 (0.03, 0.10)	9.99 (5.39, 16.13)	0.06 (0.03, 0.09)	0.10 (-0.10, 0.29)
Armenia	1.00 (0.57, 1.73)	0.07 (0.04, 0.12)	0.88 (0.50, 1.40)	0.08 (0.05, 0.13)	0.96 (0.62, 1.29)
Australia	2.76 (1.50, 4.62)	0.04 (0.02, 0.07)	3.47 (1.93, 5.59)	0.04 (0.02, 0.06)	-0.12 (-0.18, -0.07)
Austria	10.42 (6.75, 15.28)	0.35 (0.22, 0.51)	7.55 (4.71, 11.65)	0.27 (0.17, 0.41)	-1.15 (-1.56, -0.75)
Azerbaijan	2.83 (1.64, 4.56)	0.09 (0.05, 0.14)	3.49 (1.86, 5.97)	0.08 (0.04, 0.14)	-0.38 (-0.51, -0.25)
Bahamas	0.11 (0.06, 0.19)	0.10 (0.05, 0.16)	0.14 (0.08, 0.22)	0.09 (0.05, 0.14)	-0.20 (-0.34, -0.07)
Bahrain	0.52 (0.30, 0.86)	0.20 (0.12, 0.33)	1.39 (0.84, 2.23)	0.20 (0.12, 0.32)	0.06 (-0.04, 0.15)
Bangladesh	118.33 (77.79, 171.42)	0.28 (0.18, 0.41)	185.73 (122.05, 270.04)	0.27 (0.18, 0.39)	-0.01 (-0.16, 0.14)
Barbados	0.10 (0.05, 0.16)	0.09 (0.05, 0.14)	0.08 (0.04, 0.13)	0.08 (0.05, 0.13)	-0.24 (-0.33, -0.14)
Belarus	4.09 (2.07, 7.20)	0.10 (0.05, 0.18)	2.91 (1.37, 5.24)	0.10 (0.05, 0.18)	-0.17 (-0.24, -0.10)
Belgium	5.03 (3.00, 8.26)	0.14 (0.08, 0.22)	4.50 (2.37, 7.44)	0.13 (0.07, 0.21)	-0.50 (-0.79, -0.21)
Belize	0.07 (0.04, 0.11)	0.10 (0.05, 0.16)	0.19 (0.11, 0.30)	0.10 (0.06, 0.16)	0.06 (0.03, 0.09)
Benin	0.99 (0.52, 1.59)	0.06 (0.03, 0.09)	3.29 (1.95, 5.16)	0.06 (0.04, 0.10)	0.27 (0.24, 0.30)
Bermuda	0.02 (0.01, 0.03)	0.08 (0.05, 0.13)	0.01 (0.01, 0.02)	0.07 (0.04, 0.12)	-0.30 (-0.36, -0.24)
Bhutan	0.81 (0.53, 1.18)	0.30 (0.20, 0.44)	1.00 (0.62, 1.49)	0.29 (0.18, 0.43)	-0.03 (-0.15, 0.09)
Bolivia (Plurinational State of)	1.57 (0.80, 2.38)	0.06 (0.03, 0.10)	2.82 (1.46, 4.61)	0.06 (0.03, 0.09)	-0.32 (-0.36, -0.27)
Bosnia and Herzegovina	2.59 (1.46, 4.27)	0.14 (0.08, 0.22)	1.25 (0.65, 2.17)	0.12 (0.06, 0.22)	-0.27 (-0.31, -0.22)
Botswana	0.69 (0.40, 1.10)	0.13 (0.08, 0.21)	1.27 (0.73, 1.99)	0.12 (0.07, 0.19)	-0.47 (-0.89, -0.05)
Brazil	160.41 (113.39, 222.19)	0.26 (0.18, 0.35)	152.81 (105.61, 221.34)	0.18 (0.12, 0.26)	-1.28 (-1.68, -0.87)
Brunei Darussalam	0.26 (0.15, 0.39)	0.21 (0.12, 0.32)	0.42 (0.24, 0.63)	0.21 (0.12, 0.31)	-0.13 (-0.17, -0.10)
Bulgaria	4.49 (2.48, 7.25)	0.15 (0.08, 0.24)	2.58 (1.31, 4.36)	0.14 (0.07, 0.23)	-0.05 (-0.17, 0.08)
Burkina Faso	1.87 (1.00, 3.08)	0.06 (0.03, 0.10)	5.15 (2.72, 7.98)	0.06 (0.03, 0.09)	0.13 (0.07, 0.19)
Burundi	1.58 (0.91, 2.50)	0.08 (0.04, 0.12)	3.78 (2.19, 5.81)	0.07 (0.04, 0.11)	-0.40 (-0.47, -0.32)
Cabo Verde	0.08 (0.05, 0.13)	0.06 (0.04, 0.10)	0.17 (0.10, 0.25)	0.07 (0.04, 0.10)	0.07 (0.03, 0.11)
Cambodia	4.09 (2.17, 6.70)	0.11 (0.06, 0.17)	7.67 (4.24, 12.65)	0.11 (0.06, 0.17)	-0.07 (-0.12, -0.03)
Cameroon	2.26 (1.27, 3.62)	0.06 (0.03, 0.10)	8.21 (4.53, 12.58)	0.06 (0.04, 0.10)	0.35 (0.29, 0.41)
Canada	14.45 (7.81, 24.37)	0.13 (0.07, 0.22)	14.29 (8.32, 21.66)	0.12 (0.07, 0.18)	-0.01 (-0.11, 0.10)
Central African Republic	0.80 (0.43, 1.29)	0.08 (0.04, 0.12)	1.54 (0.84, 2.44)	0.07 (0.04, 0.11)	-0.31 (-0.38, -0.23)
Chad	1.31 (0.71, 2.17)	0.06 (0.03, 0.10)	4.32 (2.64, 6.55)	0.07 (0.04, 0.10)	0.40 (0.35, 0.46)
Chile	8.64 (5.01, 14.14)	0.15 (0.09, 0.25)	7.71 (4.52, 12.07)	0.11 (0.06, 0.17)	-1.74 (-2.01, -1.47)
China	2218.49 (1619.44, 2994.58)	0.40 (0.30, 0.55)	1191.00 (851.03, 1668.97)	0.26 (0.18, 0.36)	-1.86 (-2.03, -1.70)

location	Number in 1990 (95% UI)	Rate in 1990 (95% UI)	Number in 2021 (95% UI)	Rate in 2021 (95% UI)	EAPC in ASIR between 1990 and 2021
Colombia	42.82 (28.94, 65.59)	0.30 (0.21, 0.47)	55.21 (36.07, 82.01)	0.27 (0.18, 0.41)	-0.41 (-0.47, -0.34)
Comoros	0.11 (0.07, 0.18)	0.07 (0.04, 0.10)	0.20 (0.11, 0.33)	0.06 (0.04, 0.11)	-0.03 (-0.14, 0.08)
Congo	0.63 (0.34, 1.02)	0.07 (0.04, 0.11)	1.33 (0.74, 2.11)	0.06 (0.03, 0.10)	-0.24 (-0.35, -0.14)
Cook Islands	0.01 (0.01, 0.01)	0.12 (0.07, 0.19)	0.01 (0.00, 0.01)	0.10 (0.06, 0.17)	-0.60 (-0.72, -0.48)
Costa Rica	3.98 (2.50, 5.94)	0.31 (0.19, 0.46)	5.46 (3.35, 8.27)	0.29 (0.18, 0.43)	-0.40 (-0.45, -0.34)
Coted'Ivoire	2.93 (1.55, 4.61)	0.06 (0.03, 0.10)	7.40 (4.24, 11.17)	0.07 (0.04, 0.10)	0.33 (0.26, 0.39)
Croatia	3.55 (2.01, 5.81)	0.20 (0.11, 0.32)	2.09 (1.23, 3.28)	0.17 (0.10, 0.26)	-0.60 (-0.79, -0.40)
Cuba	4.00 (2.26, 6.47)	0.08 (0.05, 0.13)	2.89 (1.53, 4.59)	0.08 (0.04, 0.13)	-0.07 (-0.21, 0.08)
Cyprus	0.33 (0.20, 0.54)	0.11 (0.06, 0.18)	0.50 (0.27, 0.82)	0.10 (0.05, 0.16)	-0.22 (-0.27, -0.16)
Czechia	4.87 (2.55, 8.30)	0.13 (0.07, 0.22)	3.54 (1.79, 6.03)	0.12 (0.06, 0.20)	-0.44 (-0.67, -0.21)
Democratic People's Republic of Korea	26.47 (19.72, 35.72)	0.32 (0.24, 0.43)	31.56 (23.53, 42.89)	0.31 (0.23, 0.43)	-0.22 (-0.37, -0.07)
Democratic Republic of the Congo	8.96 (4.72, 14.69)	0.06 (0.03, 0.10)	22.02 (11.97, 34.25)	0.06 (0.03, 0.09)	-0.16 (-0.23, -0.09)
Denmark	0.94 (0.50, 1.58)	0.05 (0.03, 0.08)	0.85 (0.47, 1.43)	0.05 (0.03, 0.08)	-0.22 (-0.26, -0.18)
Djibouti	0.12 (0.07, 0.20)	0.07 (0.04, 0.11)	0.39 (0.21, 0.62)	0.07 (0.04, 0.11)	0.03 (-0.03, 0.10)
Dominica	0.03 (0.01, 0.04)	0.09 (0.05, 0.15)	0.02 (0.01, 0.04)	0.09 (0.05, 0.14)	-0.19 (-0.27, -0.11)
Dominican Republic	2.75 (1.55, 4.46)	0.09 (0.05, 0.15)	4.05 (2.23, 6.64)	0.09 (0.05, 0.15)	0.00 (-0.07, 0.08)
Ecuador	2.70 (1.56, 4.18)	0.07 (0.04, 0.10)	4.13 (2.24, 6.46)	0.06 (0.03, 0.09)	-0.39 (-0.52, -0.26)
Egypt	44.42 (27.41, 65.83)	0.20 (0.13, 0.30)	78.37 (46.98, 117.14)	0.19 (0.11, 0.28)	-0.25 (-0.30, -0.20)
El Salvador	7.49 (4.77, 11.14)	0.36 (0.23, 0.53)	8.32 (5.32, 12.61)	0.32 (0.21, 0.49)	-0.33 (-0.41, -0.25)
Equatorial Guinea	0.09 (0.05, 0.14)	0.06 (0.03, 0.09)	0.39 (0.21, 0.60)	0.06 (0.03, 0.09)	-0.25 (-0.28, -0.22)
Eritrea	1.04 (0.60, 1.70)	0.08 (0.05, 0.13)	2.16 (1.24, 3.47)	0.08 (0.04, 0.12)	-0.07 (-0.13, -0.00)
Estonia	0.53 (0.27, 0.90)	0.09 (0.05, 0.16)	0.36 (0.16, 0.63)	0.09 (0.04, 0.16)	-0.03 (-0.08, 0.02)
Eswatini	0.45 (0.26, 0.69)	0.15 (0.09, 0.23)	0.68 (0.41, 1.04)	0.13 (0.08, 0.20)	-0.23 (-0.35, -0.11)
Ethiopia	15.46 (8.97, 24.35)	0.08 (0.05, 0.13)	30.61 (17.36, 46.78)	0.07 (0.04, 0.10)	-0.81 (-0.91, -0.71)
Fiji	0.46 (0.28, 0.74)	0.14 (0.09, 0.23)	0.44 (0.24, 0.73)	0.12 (0.07, 0.21)	-0.54 (-0.58, -0.50)
Finland	4.51 (2.59, 6.96)	0.25 (0.14, 0.38)	3.82 (2.40, 5.73)	0.23 (0.14, 0.34)	-0.57 (-0.92, -0.22)
France	25.79 (14.15, 44.13)	0.12 (0.06, 0.20)	21.91 (12.25, 35.36)	0.11 (0.06, 0.18)	-0.21 (-0.33, -0.09)
Gabon	0.24 (0.13, 0.37)	0.06 (0.03, 0.10)	0.40 (0.21, 0.64)	0.05 (0.03, 0.08)	-0.44 (-0.51, -0.36)
Gambia	0.23 (0.12, 0.38)	0.06 (0.03, 0.10)	0.65 (0.39, 0.98)	0.06 (0.04, 0.10)	0.26 (0.21, 0.31)
Georgia	2.08 (1.16, 3.46)	0.10 (0.05, 0.16)	1.06 (0.57, 1.65)	0.09 (0.05, 0.15)	-0.16 (-0.26, -0.05)
Germany	32.43 (17.42, 55.52)	0.11 (0.06, 0.19)	25.81 (13.62, 45.03)	0.10 (0.05, 0.18)	-0.53 (-0.70, -0.36)
Ghana	3.44 (1.87, 5.52)	0.06 (0.03, 0.10)	7.89 (3.95, 12.75)	0.06 (0.03, 0.09)	-0.24 (-0.31, -0.17)
Greece	2.10 (1.15, 3.30)	0.06 (0.03, 0.09)	1.56 (0.79, 2.58)	0.06 (0.03, 0.09)	-0.06 (-0.18, 0.06)
Greenland	0.05 (0.03, 0.08)	0.18 (0.10, 0.31)	0.03 (0.02, 0.06)	0.17 (0.09, 0.28)	-0.08 (-0.19, 0.04)
Grenada	0.03 (0.02, 0.05)	0.10 (0.06, 0.15)	0.04 (0.02, 0.05)	0.09 (0.05, 0.14)	-0.37 (-0.49, -0.25)

location	Number in 1990 (95% UI)	Rate in 1990 (95% UI)	Number in 2021 (95% UI)	Rate in 2021 (95% UI)	EAPC in ASIR between 1990 and 2021
Guam	0.09 (0.05, 0.14)	0.14 (0.07, 0.23)	0.07 (0.03, 0.11)	0.12 (0.06, 0.20)	-0.68 (-0.77, -0.60)
Guatemala	9.97 (6.69, 14.59)	0.34 (0.23, 0.49)	22.66 (14.33, 34.57)	0.33 (0.21, 0.51)	-0.02 (-0.12, 0.08)
Guinea	1.30 (0.69, 2.07)	0.06 (0.03, 0.10)	3.36 (1.96, 5.09)	0.07 (0.04, 0.10)	0.25 (0.21, 0.29)
Guinea-Bissau	0.25 (0.14, 0.40)	0.07 (0.04, 0.11)	0.72 (0.45, 1.06)	0.08 (0.05, 0.13)	0.74 (0.64, 0.84)
Guyana	0.36 (0.20, 0.58)	0.11 (0.06, 0.17)	0.32 (0.17, 0.51)	0.10 (0.05, 0.16)	-0.17 (-0.32, -0.02)
Haiti	2.55 (1.44, 4.10)	0.10 (0.06, 0.17)	5.55 (2.95, 8.78)	0.10 (0.05, 0.16)	-0.04 (-0.08, 0.01)
Honduras	5.17 (3.24, 7.81)	0.30 (0.19, 0.45)	12.15 (7.74, 17.88)	0.28 (0.18, 0.41)	-0.27 (-0.33, -0.21)
Hungary	5.50 (2.91, 8.81)	0.15 (0.08, 0.24)	3.56 (1.94, 5.88)	0.13 (0.07, 0.21)	-0.17 (-0.32, -0.02)
Iceland	0.12 (0.06, 0.20)	0.12 (0.06, 0.19)	0.13 (0.07, 0.21)	0.11 (0.06, 0.18)	-0.21 (-0.31, -0.11)
India	762.38 (506.64, 1077.49)	0.22 (0.15, 0.32)	1514.66 (1031.76, 2074.90)	0.25 (0.17, 0.34)	0.71 (0.42, 1.00)
Indonesia	245.62 (161.27, 354.85)	0.31 (0.21, 0.45)	344.33 (226.36, 503.71)	0.30 (0.20, 0.44)	-0.04 (-0.16, 0.08)
Iran (Islamic Republic of)	64.12 (42.66, 93.14)	0.30 (0.20, 0.43)	76.35 (49.78, 108.94)	0.22 (0.14, 0.31)	-1.32 (-1.53, -1.11)
Iraq	14.92 (9.46, 22.00)	0.21 (0.13, 0.31)	33.23 (20.12, 48.84)	0.19 (0.12, 0.28)	-0.17 (-0.27, -0.06)
Ireland	1.59 (0.93, 2.56)	0.12 (0.07, 0.19)	1.66 (0.88, 2.75)	0.11 (0.06, 0.18)	-0.23 (-0.36, -0.10)
Israel	2.13 (1.22, 3.70)	0.11 (0.06, 0.19)	3.51 (1.97, 5.47)	0.11 (0.06, 0.16)	-0.15 (-0.25, -0.06)
Italy	23.67 (13.75, 39.59)	0.11 (0.06, 0.19)	18.06 (11.49, 27.12)	0.11 (0.07, 0.17)	-0.19 (-0.47, 0.10)
Jamaica	0.79 (0.44, 1.30)	0.08 (0.04, 0.13)	0.95 (0.52, 1.48)	0.08 (0.04, 0.12)	-0.18 (-0.25, -0.10)
Japan	84.35 (55.51, 124.06)	0.19 (0.12, 0.28)	63.06 (42.99, 90.84)	0.19 (0.13, 0.28)	0.43 (0.21, 0.65)
Jordan	0.99 (0.58, 1.60)	0.06 (0.04, 0.10)	5.16 (3.17, 7.88)	0.10 (0.06, 0.15)	1.84 (1.49, 2.19)
Kazakhstan	6.85 (3.77, 11.15)	0.10 (0.06, 0.16)	6.65 (3.48, 10.93)	0.10 (0.05, 0.16)	-0.17 (-0.25, -0.09)
Kenya	6.17 (3.46, 9.79)	0.07 (0.04, 0.11)	14.41 (8.18, 21.71)	0.07 (0.04, 0.10)	-1.04 (-1.40, -0.69)
Kiribati	0.05 (0.03, 0.08)	0.17 (0.10, 0.26)	0.08 (0.05, 0.12)	0.16 (0.09, 0.25)	-0.28 (-0.37, -0.19)
Kuwait	1.60 (0.95, 2.56)	0.19 (0.11, 0.30)	3.55 (2.10, 5.83)	0.17 (0.10, 0.27)	-0.39 (-0.53, -0.26)
Kyrgyzstan	1.69 (0.94, 2.76)	0.09 (0.05, 0.15)	2.42 (1.29, 4.14)	0.09 (0.05, 0.15)	-0.21 (-0.30, -0.12)
Lao People's Democratic Republic	1.71 (0.91, 2.80)	0.11 (0.06, 0.18)	3.45 (1.82, 5.77)	0.11 (0.06, 0.18)	-0.15 (-0.19, -0.12)
Latvia	1.08 (0.56, 1.81)	0.11 (0.06, 0.19)	0.65 (0.33, 1.13)	0.12 (0.06, 0.21)	0.19 (0.09, 0.28)
Lebanon	2.09 (1.30, 3.02)	0.18 (0.11, 0.26)	4.07 (2.53, 6.41)	0.18 (0.11, 0.28)	-0.03 (-0.10, 0.03)
Lesotho	0.81 (0.47, 1.27)	0.15 (0.09, 0.24)	1.19 (0.71, 1.82)	0.14 (0.09, 0.22)	-0.17 (-0.19, -0.15)
Liberia	0.56 (0.30, 0.88)	0.06 (0.03, 0.10)	1.32 (0.70, 2.13)	0.06 (0.03, 0.09)	0.01 (-0.06, 0.08)
Libya	3.36 (2.18, 4.98)	0.20 (0.13, 0.30)	5.61 (3.50, 8.59)	0.19 (0.12, 0.29)	-0.02 (-0.13, 0.09)
Lithuania	1.15 (0.59, 1.94)	0.08 (0.04, 0.14)	0.73 (0.37, 1.22)	0.09 (0.05, 0.15)	-0.27 (-0.51, -0.03)
Luxembourg	0.47 (0.29, 0.72)	0.32 (0.20, 0.48)	0.64 (0.38, 0.99)	0.29 (0.17, 0.45)	-0.48 (-0.58, -0.37)
Madagascar	3.64 (2.18, 5.76)	0.08 (0.05, 0.13)	8.51 (5.02, 13.42)	0.07 (0.04, 0.11)	-0.46 (-0.50, -0.43)
Malawi	2.67 (1.44, 4.28)	0.07 (0.04, 0.11)	5.27 (3.06, 7.97)	0.06 (0.04, 0.10)	-0.39 (-0.46, -0.32)
Malaysia	6.77 (3.90, 10.59)	0.09 (0.05, 0.14)	12.93 (7.12, 21.34)	0.09 (0.05, 0.15)	-0.12 (-0.19, -0.05)

location	Number in 1990 (95% UI)	Rate in 1990 (95% UI)	Number in 2021 (95% UI)	Rate in 2021 (95% UI)	EAPC in ASIR between 1990 and 2021
Maldives	0.07 (0.04, 0.11)	0.09 (0.05, 0.14)	0.25 (0.13, 0.43)	0.10 (0.05, 0.16)	0.22 (0.12, 0.32)
Mali	1.89 (1.02, 3.04)	0.06 (0.03, 0.10)	5.66 (3.26, 8.82)	0.06 (0.04, 0.10)	0.11 (0.05, 0.16)
Malta	0.52 (0.33, 0.78)	0.38 (0.24, 0.57)	0.49 (0.30, 0.76)	0.37 (0.22, 0.57)	-0.16 (-0.23, -0.09)
Marshall Islands	0.03 (0.01, 0.04)	0.15 (0.08, 0.23)	0.03 (0.02, 0.05)	0.13 (0.07, 0.21)	-0.20 (-0.25, -0.15)
Mauritania	0.41 (0.22, 0.64)	0.05 (0.03, 0.08)	0.86 (0.47, 1.37)	0.05 (0.03, 0.08)	-0.09 (-0.14, -0.05)
Mauritius	0.51 (0.29, 0.86)	0.10 (0.06, 0.17)	0.44 (0.24, 0.75)	0.10 (0.05, 0.16)	-0.12 (-0.20, -0.03)
Mexico	128.98 (89.41, 180.45)	0.36 (0.25, 0.51)	170.89 (120.57, 239.91)	0.33 (0.23, 0.47)	-0.35 (-0.48, -0.22)
Micronesia (Federated States of)	0.06 (0.03, 0.09)	0.15 (0.09, 0.24)	0.06 (0.03, 0.09)	0.13 (0.07, 0.21)	-0.40 (-0.47, -0.33)
Monaco	0.01 (0.01, 0.02)	0.12 (0.07, 0.21)	0.01 (0.01, 0.02)	0.11 (0.07, 0.18)	-0.41 (-0.55, -0.27)
Mongolia	0.91 (0.51, 1.49)	0.10 (0.06, 0.17)	1.29 (0.69, 2.22)	0.10 (0.05, 0.18)	-0.08 (-0.16, -0.00)
Montenegro	0.36 (0.20, 0.59)	0.14 (0.08, 0.24)	0.26 (0.14, 0.43)	0.13 (0.07, 0.21)	-0.28 (-0.33, -0.22)
Morocco	20.62 (12.60, 31.02)	0.20 (0.12, 0.30)	27.46 (17.64, 40.57)	0.19 (0.12, 0.28)	-0.15 (-0.19, -0.11)
Mozambique	3.29 (1.85, 5.34)	0.07 (0.04, 0.11)	7.75 (4.52, 12.16)	0.06 (0.04, 0.10)	-0.25 (-0.35, -0.15)
Myanmar	20.19 (10.58, 32.72)	0.12 (0.06, 0.19)	24.97 (13.27, 39.39)	0.11 (0.06, 0.18)	-0.11 (-0.20, -0.01)
Namibia	0.71 (0.42, 1.13)	0.13 (0.07, 0.20)	1.36 (0.77, 2.11)	0.13 (0.07, 0.20)	0.18 (0.12, 0.24)
Nauru	0.01 (0.00, 0.01)	0.16 (0.09, 0.25)	0.01 (0.00, 0.01)	0.14 (0.07, 0.23)	-0.52 (-0.58, -0.46)
Nepal	34.04 (23.70, 47.01)	0.47 (0.32, 0.64)	89.91 (65.50, 119.65)	0.67 (0.49, 0.89)	1.68 (1.38, 1.97)
Netherlands	6.73 (3.63, 11.35)	0.11 (0.06, 0.19)	5.53 (3.07, 9.10)	0.10 (0.06, 0.17)	-0.34 (-0.48, -0.21)
New Zealand	2.26 (1.47, 3.37)	0.16 (0.11, 0.24)	2.80 (1.85, 4.02)	0.16 (0.10, 0.22)	-0.00 (-0.41, 0.41)
Nicaragua	4.43 (2.89, 6.42)	0.30 (0.20, 0.43)	8.59 (5.78, 13.14)	0.30 (0.20, 0.46)	0.10 (0.03, 0.17)
Niger	1.68 (0.89, 2.65)	0.06 (0.03, 0.10)	5.33 (3.13, 8.06)	0.06 (0.04, 0.09)	0.02 (-0.05, 0.10)
Nigeria	22.40 (12.23, 35.09)	0.07 (0.04, 0.10)	53.90 (30.90, 82.72)	0.06 (0.03, 0.09)	-0.24 (-0.35, -0.14)
Niue	0.00 (0.00, 0.00)	0.13 (0.07, 0.21)	0.00 (0.00, 0.00)	0.12 (0.06, 0.20)	-0.37 (-0.46, -0.27)
North Macedonia	1.10 (0.60, 1.80)	0.14 (0.08, 0.23)	1.00 (0.49, 1.66)	0.13 (0.06, 0.22)	-0.11 (-0.16, -0.06)
Northern Mariana Islands	0.03 (0.02, 0.05)	0.14 (0.07, 0.22)	0.02 (0.01, 0.03)	0.11 (0.06, 0.18)	-0.70 (-0.81, -0.59)
Norway	2.41 (1.49, 3.58)	0.15 (0.09, 0.22)	2.84 (1.75, 4.27)	0.16 (0.10, 0.24)	-1.48 (-2.82, -0.12)
Oman	2.05 (1.14, 3.27)	0.25 (0.14, 0.39)	5.33 (2.87, 8.70)	0.23 (0.12, 0.38)	-0.05 (-0.19, 0.09)
Pakistan	119.95 (79.92, 171.10)	0.29 (0.20, 0.42)	233.61 (156.30, 334.32)	0.24 (0.16, 0.34)	-0.65 (-0.82, -0.48)
Palau	0.01 (0.01, 0.02)	0.14 (0.08, 0.23)	0.01 (0.00, 0.01)	0.14 (0.07, 0.24)	-0.38 (-0.53, -0.22)
Palestine	1.46 (0.91, 2.18)	0.19 (0.12, 0.28)	3.73 (2.34, 5.55)	0.17 (0.11, 0.25)	-0.31 (-0.35, -0.27)
Panama	3.13 (2.06, 4.84)	0.31 (0.20, 0.48)	4.69 (3.09, 6.84)	0.28 (0.19, 0.41)	-0.27 (-0.35, -0.19)
Papua New Guinea	2.17 (1.21, 3.48)	0.13 (0.07, 0.21)	5.05 (2.84, 8.26)	0.12 (0.07, 0.19)	-0.35 (-0.40, -0.29)
Paraguay	4.42 (3.07, 6.08)	0.28 (0.20, 0.39)	8.02 (5.75, 11.05)	0.26 (0.19, 0.36)	-0.59 (-0.70, -0.48)
Peru	6.75 (3.86, 10.09)	0.08 (0.04, 0.11)	8.94 (4.89, 14.83)	0.06 (0.03, 0.10)	-0.80 (-0.90, -0.70)
Philippines	7.63 (3.70, 13.35)	0.03 (0.01, 0.05)	13.75 (6.73, 24.47)	0.03 (0.01, 0.05)	0.04 (-0.10, 0.19)

location	Number in 1990 (95% UI)	Rate in 1990 (95% UI)	Number in 2021 (95% UI)	Rate in 2021 (95% UI)	EAPC in ASIR between 1990 and 2021
Poland	31.69 (20.21, 48.05)	0.22 (0.14, 0.33)	20.17 (13.15, 29.66)	0.17 (0.11, 0.25)	-0.84 (-0.98, -0.70)
Portugal	4.94 (2.66, 7.68)	0.13 (0.07, 0.20)	3.17 (1.80, 5.01)	0.11 (0.06, 0.17)	-0.68 (-0.82, -0.54)
Puerto Rico	1.23 (0.70, 1.91)	0.09 (0.05, 0.14)	0.89 (0.48, 1.38)	0.09 (0.05, 0.13)	-0.05 (-0.13, 0.04)
Qatar	0.56 (0.29, 0.93)	0.24 (0.12, 0.39)	3.67 (1.92, 6.45)	0.22 (0.12, 0.39)	0.11 (-0.04, 0.25)
Republic of Korea	38.12 (23.46, 57.72)	0.18 (0.11, 0.27)	26.95 (16.34, 42.27)	0.17 (0.10, 0.26)	-0.28 (-0.42, -0.14)
Republic of Moldova	1.67 (0.84, 2.86)	0.10 (0.05, 0.16)	1.20 (0.54, 2.22)	0.10 (0.04, 0.18)	-0.02 (-0.09, 0.06)
Romania	12.65 (6.95, 20.35)	0.15 (0.08, 0.23)	7.08 (3.91, 11.59)	0.13 (0.07, 0.22)	0.01 (-0.16, 0.18)
Russian Federation	72.10 (38.31, 123.74)	0.12 (0.07, 0.21)	50.79 (26.29, 82.98)	0.11 (0.06, 0.18)	-0.39 (-0.49, -0.28)
Rwanda	2.13 (1.23, 3.33)	0.08 (0.04, 0.12)	3.85 (2.29, 6.01)	0.07 (0.04, 0.11)	-0.58 (-0.67, -0.48)
Saint Kitts and Nevis	0.02 (0.01, 0.03)	0.09 (0.05, 0.15)	0.02 (0.01, 0.03)	0.09 (0.05, 0.15)	-0.04 (-0.11, 0.03)
Saint Lucia	0.05 (0.03, 0.08)	0.09 (0.05, 0.14)	0.06 (0.04, 0.10)	0.09 (0.05, 0.15)	0.08 (-0.01, 0.17)
Saint Vincent and the Grenadines	0.04 (0.02, 0.07)	0.09 (0.05, 0.15)	0.04 (0.02, 0.06)	0.09 (0.05, 0.15)	-0.09 (-0.20, 0.02)
Samoa	0.08 (0.05, 0.13)	0.12 (0.07, 0.19)	0.09 (0.05, 0.15)	0.11 (0.06, 0.18)	-0.37 (-0.45, -0.28)
San Marino	0.01 (0.01, 0.02)	0.11 (0.06, 0.18)	0.01 (0.01, 0.01)	0.10 (0.06, 0.16)	-0.24 (-0.39, -0.09)
Sao Tome and Principe	0.02 (0.01, 0.03)	0.05 (0.03, 0.08)	0.06 (0.04, 0.09)	0.07 (0.04, 0.10)	1.17 (1.10, 1.25)
Saudi Arabia	14.88 (9.22, 22.68)	0.22 (0.14, 0.34)	41.78 (24.63, 67.58)	0.23 (0.13, 0.36)	0.04 (0.00, 0.07)
Senegal	1.58 (0.85, 2.47)	0.06 (0.03, 0.09)	3.79 (2.13, 5.88)	0.06 (0.03, 0.09)	0.17 (0.12, 0.23)
Serbia	2.09 (1.01, 3.38)	0.06 (0.03, 0.09)	1.60 (0.72, 2.80)	0.05 (0.02, 0.09)	-0.10 (-0.18, -0.02)
Seychelles	0.03 (0.02, 0.05)	0.10 (0.06, 0.16)	0.04 (0.02, 0.06)	0.10 (0.06, 0.16)	0.12 (0.02, 0.23)
Sierra Leone	1.01 (0.54, 1.58)	0.06 (0.03, 0.10)	2.42 (1.37, 3.85)	0.07 (0.04, 0.10)	0.15 (0.11, 0.19)
Singapore	2.63 (1.49, 3.94)	0.17 (0.10, 0.26)	3.40 (1.83, 5.51)	0.18 (0.10, 0.29)	0.05 (-0.00, 0.11)
Slovakia	7.11 (4.55, 10.80)	0.35 (0.22, 0.53)	5.90 (3.64, 9.30)	0.34 (0.21, 0.54)	0.12 (0.01, 0.23)
Slovenia	0.70 (0.37, 1.12)	0.09 (0.05, 0.15)	0.47 (0.25, 0.77)	0.08 (0.04, 0.14)	-0.04 (-0.37, 0.29)
Solomon Islands	0.20 (0.12, 0.31)	0.16 (0.09, 0.24)	0.40 (0.22, 0.62)	0.15 (0.08, 0.23)	-0.24 (-0.34, -0.13)
Somalia	2.63 (1.47, 4.16)	0.09 (0.05, 0.14)	7.24 (4.37, 10.98)	0.09 (0.05, 0.13)	0.07 (-0.08, 0.22)
South Africa	28.16 (17.83, 43.23)	0.18 (0.11, 0.27)	33.25 (20.85, 50.52)	0.14 (0.09, 0.21)	-0.92 (-1.02, -0.82)
South Sudan	1.70 (0.98, 2.77)	0.07 (0.04, 0.12)	2.25 (1.28, 3.50)	0.06 (0.04, 0.10)	-0.51 (-0.60, -0.43)
Spain	8.22 (4.31, 13.19)	0.06 (0.03, 0.09)	7.02 (3.89, 11.37)	0.06 (0.03, 0.09)	0.34 (0.15, 0.52)
Sri Lanka	7.36 (4.05, 11.64)	0.10 (0.05, 0.16)	7.64 (4.13, 12.03)	0.09 (0.05, 0.15)	-0.04 (-0.13, 0.05)
Sudan	15.55 (10.11, 23.02)	0.20 (0.13, 0.30)	35.37 (21.59, 53.19)	0.19 (0.12, 0.29)	-0.17 (-0.23, -0.12)
Suriname	0.18 (0.10, 0.28)	0.11 (0.06, 0.17)	0.21 (0.12, 0.33)	0.10 (0.06, 0.15)	-0.41 (-0.48, -0.33)
Sweden	2.43 (1.38, 3.80)	0.08 (0.05, 0.13)	2.38 (1.37, 3.91)	0.07 (0.04, 0.12)	-0.38 (-0.42, -0.33)
Switzerland	2.30 (1.30, 3.80)	0.09 (0.05, 0.14)	2.21 (1.22, 3.49)	0.08 (0.04, 0.13)	-0.62 (-0.87, -0.38)
Syrian Arab Republic	9.20 (5.87, 13.47)	0.19 (0.12, 0.28)	8.57 (5.60, 12.14)	0.17 (0.11, 0.24)	-0.38 (-0.53, -0.22)
Taiwan (Province of China)	22.35 (13.86, 34.43)	0.24 (0.15, 0.37)	17.19 (10.58, 26.86)	0.23 (0.14, 0.36)	-0.13 (-0.23, -0.03)

location	Number in 1990 (95% UI)	Rate in 1990 (95% UI)	Number in 2021 (95% UI)	Rate in 2021 (95% UI)	EAPC in ASIR between 1990 and 2021
Tajikistan	1.96 (1.09, 3.15)	0.09 (0.05, 0.15)	3.70 (2.10, 6.20)	0.09 (0.05, 0.15)	-0.20 (-0.28, -0.12)
Thailand	27.38 (15.33, 43.03)	0.11 (0.06, 0.17)	22.07 (11.25, 36.06)	0.10 (0.05, 0.17)	0.01 (-0.14, 0.16)
Timor-Leste	0.32 (0.18, 0.51)	0.10 (0.06, 0.16)	0.49 (0.27, 0.76)	0.09 (0.05, 0.13)	-0.50 (-0.61, -0.39)
Togo	0.80 (0.43, 1.30)	0.06 (0.03, 0.09)	2.32 (1.38, 3.52)	0.07 (0.04, 0.10)	0.61 (0.56, 0.66)
Tokelau	0.00 (0.00, 0.00)	0.13 (0.07, 0.20)	0.00 (0.00, 0.00)	0.12 (0.06, 0.19)	-0.42 (-0.51, -0.33)
Tonga	0.04 (0.02, 0.06)	0.11 (0.06, 0.18)	0.04 (0.02, 0.06)	0.10 (0.06, 0.16)	-0.37 (-0.49, -0.26)
Trinidad and Tobago	0.49 (0.27, 0.79)	0.10 (0.05, 0.16)	0.49 (0.25, 0.80)	0.10 (0.05, 0.16)	0.09 (0.05, 0.12)
Tunisia	6.39 (4.05, 9.70)	0.19 (0.12, 0.28)	7.52 (4.42, 11.56)	0.17 (0.10, 0.27)	-0.15 (-0.22, -0.09)
Turkey	121.93 (84.59, 171.97)	0.51 (0.35, 0.72)	155.16 (101.05, 222.40)	0.49 (0.32, 0.70)	0.44 (-0.05, 0.94)
Turkmenistan	1.48 (0.85, 2.35)	0.10 (0.06, 0.15)	1.86 (0.99, 3.20)	0.09 (0.05, 0.15)	-0.33 (-0.40, -0.26)
Tuvalu	0.01 (0.00, 0.01)	0.14 (0.08, 0.22)	0.01 (0.00, 0.01)	0.13 (0.07, 0.21)	-0.39 (-0.46, -0.32)
Uganda	4.49 (2.48, 7.24)	0.07 (0.04, 0.11)	10.68 (6.36, 16.86)	0.06 (0.04, 0.10)	-0.43 (-0.48, -0.38)
Ukraine	21.32 (11.28, 37.12)	0.11 (0.06, 0.20)	13.58 (6.63, 23.24)	0.10 (0.05, 0.17)	-0.24 (-0.35, -0.13)
United Arab Emirates	2.39 (1.35, 3.77)	0.25 (0.14, 0.39)	8.71 (4.28, 15.87)	0.22 (0.11, 0.40)	-0.33 (-0.49, -0.16)
United Kingdom	60.41 (40.77, 87.30)	0.29 (0.20, 0.42)	55.97 (37.03, 81.82)	0.26 (0.17, 0.38)	0.22 (0.02, 0.41)
United Republic of Tanzania	6.21 (3.63, 9.84)	0.06 (0.04, 0.10)	14.39 (8.28, 23.45)	0.06 (0.04, 0.10)	-0.25 (-0.33, -0.17)
United States of America	192.97 (118.70, 312.26)	0.19 (0.12, 0.31)	135.66 (85.23, 215.68)	0.12 (0.08, 0.19)	-1.47 (-1.63, -1.31)
United States Virgin Islands	0.04 (0.02, 0.06)	0.09 (0.05, 0.16)	0.02 (0.01, 0.03)	0.09 (0.05, 0.14)	-0.21 (-0.26, -0.15)
Uruguay	1.09 (0.59, 1.76)	0.10 (0.05, 0.15)	1.15 (0.63, 1.79)	0.10 (0.05, 0.15)	0.01 (-0.07, 0.09)
Uzbekistan	8.11 (4.73, 13.07)	0.09 (0.06, 0.15)	12.37 (6.81, 20.72)	0.09 (0.05, 0.15)	-0.17 (-0.26, -0.09)
Vanuatu	0.08 (0.05, 0.13)	0.14 (0.08, 0.22)	0.16 (0.09, 0.25)	0.13 (0.07, 0.20)	-0.44 (-0.55, -0.34)
Venezuela (Bolivarian Republic of)	26.72 (17.18, 40.61)	0.33 (0.21, 0.51)	29.51 (18.37, 44.54)	0.32 (0.20, 0.48)	-0.14 (-0.19, -0.09)
Viet Nam	37.15 (21.69, 61.53)	0.13 (0.08, 0.22)	56.63 (32.52, 86.73)	0.15 (0.08, 0.23)	0.50 (0.40, 0.60)
Yemen	9.86 (6.18, 14.68)	0.21 (0.13, 0.32)	26.54 (17.16, 38.73)	0.19 (0.12, 0.28)	-0.24 (-0.34, -0.15)
Zambia	2.14 (1.18, 3.36)	0.07 (0.04, 0.11)	5.30 (3.04, 8.41)	0.07 (0.04, 0.10)	-0.28 (-0.38, -0.19)
Zimbabwe	5.69 (3.37, 9.01)	0.14 (0.09, 0.23)	8.16 (4.55, 12.77)	0.13 (0.07, 0.20)	-0.34 (-0.40, -0.27)

**Abbreviation:** EAPC, estimated annual percentage change; ASIR, age-standardized rates for incidence; UI, uncertainty interval; SDI, socio-demographic index; GBD, global burden of disease.

**Supplementary Table SV.** Interstitial lung disease and pulmonary sarcoidosis incidence in 1990 and 2021 in adolescents and young adults and EAPC in ASIR by location

location	Number in 1990 (95% UI)	Rate in 1990 (95% UI)	Number in 2021 (95% UI)	Rate in 2021 (95% UI)	EAPC in ASIR between 1990 and 2021
Global	27744.28 (19816.39, 37121.20)	1.27 (0.90, 1.69)	34319.68 (25432.51, 45160.63)	1.15 (0.85, 1.52)	-0.34 (-0.35, -0.32)
SDI regions					
High SDI	9329.00 (6859.66, 12361.01)	2.69 (1.98, 3.56)	8468.18 (6382.99, 11040.27)	2.40 (1.81, 3.13)	-0.45 (-0.49, -0.40)
High-middle SDI	5777.64 (4066.20, 7780.68)	1.28 (0.90, 1.72)	4702.10 (3391.31, 6362.92)	1.07 (0.77, 1.45)	-0.79 (-0.90, -0.69)
Middle SDI	6892.30 (4759.53, 9245.45)	0.92 (0.63, 1.23)	9067.25 (6620.87, 12073.80)	0.98 (0.71, 1.30)	0.11 (0.06, 0.16)
Low-middle SDI	4312.49 (2978.11, 5829.33)	0.95 (0.66, 1.29)	8626.04 (6317.53, 11404.07)	1.07 (0.79, 1.42)	0.54 (0.45, 0.63)
Low SDI	1405.01 (957.66, 1883.34)	0.76 (0.52, 1.02)	3424.18 (2422.88, 4515.34)	0.76 (0.54, 1.01)	0.12 (0.05, 0.20)
GBD regions					
Central Asia	406.79 (300.77, 528.82)	1.43 (1.06, 1.86)	583.26 (440.31, 753.45)	1.56 (1.18, 2.02)	0.05 (-0.17, 0.27)
East Asia	5229.90 (3491.50, 7136.35)	0.92 (0.62, 1.26)	3371.78 (2215.60, 4751.25)	0.70 (0.46, 0.99)	-1.62 (-1.99, -1.26)
South Asia	5004.63 (3498.47, 6816.89)	1.16 (0.81, 1.58)	10796.45 (7961.62, 14426.33)	1.37 (1.01, 1.82)	0.71 (0.58, 0.85)
Southeast Asia	710.24 (428.94, 1028.00)	0.36 (0.22, 0.52)	1250.51 (798.74, 1774.30)	0.45 (0.29, 0.64)	0.73 (0.72, 0.75)
High-income Asia Pacific	2188.15 (1604.51, 2906.68)	3.24 (2.38, 4.31)	1574.96 (1166.75, 2077.58)	3.12 (2.31, 4.11)	-0.07 (-0.17, 0.04)
Oceania	71.70 (58.58, 85.95)	2.70 (2.21, 3.24)	172.03 (144.34, 201.95)	3.05 (2.56, 3.58)	0.33 (0.27, 0.39)
Australasia	65.02 (42.17, 91.12)	0.80 (0.52, 1.12)	97.62 (65.47, 134.75)	0.93 (0.63, 1.29)	0.33 (0.26, 0.39)
Central Europe	1002.77 (743.31, 1317.47)	2.14 (1.59, 2.81)	769.16 (581.76, 989.85)	2.20 (1.66, 2.83)	0.40 (0.24, 0.57)
Eastern Europe	1719.53 (1240.21, 2281.45)	2.00 (1.45, 2.66)	878.56 (630.81, 1161.28)	1.33 (0.95, 1.75)	-1.34 (-1.40, -1.29)
Western Europe	2091.21 (1468.27, 2862.10)	1.45 (1.02, 1.99)	1773.68 (1261.15, 2403.62)	1.37 (0.97, 1.85)	-0.08 (-0.30, 0.15)
Andean Latin America	235.33 (180.81, 297.67)	1.52 (1.17, 1.92)	577.81 (462.95, 710.25)	2.13 (1.71, 2.62)	1.40 (1.29, 1.51)
Central Latin America	676.32 (468.13, 898.18)	0.99 (0.69, 1.32)	1071.22 (794.76, 1392.02)	1.06 (0.79, 1.38)	0.22 (0.03, 0.42)
High-income North America	4661.23 (3474.40, 6073.23)	4.11 (3.07, 5.36)	4124.98 (3148.48, 5352.14)	3.35 (2.56, 4.34)	-0.86 (-0.98, -0.74)
Southern Latin America	275.25 (196.00, 369.50)	1.44 (1.03, 1.94)	450.41 (328.05, 595.27)	1.75 (1.27, 2.31)	0.61 (0.50, 0.72)
Tropical Latin America	798.21 (571.09, 1051.42)	1.24 (0.89, 1.63)	522.58 (375.72, 711.29)	0.59 (0.43, 0.81)	-2.35 (-2.85, -1.84)
Caribbean	99.21 (67.05, 133.06)	0.67 (0.45, 0.90)	165.85 (119.93, 214.63)	0.91 (0.66, 1.18)	0.99 (0.96, 1.03)
Central Sub-Saharan Africa	124.08 (81.99, 172.14)	0.60 (0.39, 0.83)	351.21 (239.46, 472.92)	0.65 (0.44, 0.87)	0.34 (0.30, 0.38)
Eastern Sub-Saharan Africa	395.33 (261.63, 549.99)	0.56 (0.37, 0.78)	983.00 (672.29, 1328.65)	0.56 (0.38, 0.76)	0.02 (-0.00, 0.03)
North Africa and Middle East	1303.22 (892.73, 1750.42)	0.97 (0.67, 1.31)	3360.52 (2426.30, 4461.37)	1.32 (0.95, 1.75)	1.23 (1.12, 1.33)
Southern Sub-Saharan Africa	296.80 (214.42, 390.38)	1.37 (0.99, 1.81)	447.43 (321.62, 595.57)	1.31 (0.94, 1.75)	-0.22 (-0.28, -0.17)
Western Sub-Saharan Africa	389.34 (248.34, 542.94)	0.54 (0.35, 0.76)	996.66 (672.14, 1375.31)	0.52 (0.35, 0.72)	-0.05 (-0.10, -0.00)
Countries					
Afghanistan	25.07 (17.80, 34.78)	0.80 (0.57, 1.10)	114.11 (80.69, 151.70)	0.93 (0.66, 1.24)	0.46 (0.16, 0.76)
Albania	24.71 (17.67, 32.76)	1.74 (1.24, 2.31)	16.54 (11.93, 22.16)	1.74 (1.26, 2.34)	-0.08 (-0.14, -0.02)

location	Number in 1990 (95% UI)	Rate in 1990 (95% UI)	Number in 2021 (95% UI)	Rate in 2021 (95% UI)	EAPC in ASIR between 1990 and 2021
Algeria	96.14 (66.15, 128.70)	0.95 (0.65, 1.27)	224.81 (159.86, 302.90)	1.32 (0.94, 1.78)	1.23 (1.16, 1.30)
American Samoa	0.44 (0.35, 0.54)	2.18 (1.72, 2.66)	0.33 (0.27, 0.40)	1.90 (1.52, 2.31)	-0.47 (-0.48, -0.46)
Andorra	0.30 (0.20, 0.43)	1.22 (0.81, 1.70)	0.36 (0.25, 0.50)	1.41 (0.98, 1.96)	0.52 (0.39, 0.66)
Angola	23.37 (15.36, 32.46)	0.60 (0.39, 0.83)	77.85 (53.12, 106.17)	0.64 (0.44, 0.87)	0.35 (0.31, 0.40)
Antigua and Barbuda	0.16 (0.11, 0.23)	0.63 (0.41, 0.87)	0.26 (0.18, 0.36)	0.76 (0.51, 1.04)	0.53 (0.44, 0.62)
Argentina	176.60 (125.31, 236.83)	1.45 (1.03, 1.94)	297.19 (216.10, 391.56)	1.70 (1.23, 2.23)	0.58 (0.56, 0.60)
Armenia	19.71 (13.67, 26.99)	1.37 (0.95, 1.88)	16.11 (11.34, 21.84)	1.50 (1.05, 2.03)	0.41 (0.10, 0.73)
Australia	49.91 (31.92, 69.89)	0.74 (0.47, 1.03)	83.26 (54.50, 115.41)	0.96 (0.63, 1.33)	0.77 (0.72, 0.82)
Austria	67.29 (50.02, 87.44)	2.24 (1.67, 2.91)	50.35 (36.54, 66.79)	1.78 (1.29, 2.37)	-1.12 (-1.67, -0.56)
Azerbaijan	40.89 (29.22, 54.19)	1.29 (0.92, 1.70)	59.46 (42.90, 78.86)	1.40 (1.01, 1.86)	0.19 (-0.06, 0.44)
Bahamas	1.02 (0.70, 1.38)	0.86 (0.59, 1.17)	2.03 (1.54, 2.61)	1.31 (1.00, 1.69)	1.44 (1.38, 1.50)
Bahrain	3.09 (2.05, 4.27)	1.21 (0.80, 1.67)	10.55 (7.38, 14.47)	1.50 (1.05, 2.06)	0.86 (0.75, 0.96)
Bangladesh	392.54 (277.11, 533.35)	0.93 (0.66, 1.26)	847.97 (616.54, 1124.14)	1.23 (0.90, 1.63)	0.86 (0.84, 0.87)
Barbados	0.79 (0.53, 1.08)	0.72 (0.48, 0.99)	0.94 (0.66, 1.27)	0.95 (0.67, 1.29)	0.91 (0.82, 1.00)
Belarus	119.86 (89.15, 155.11)	3.04 (2.26, 3.93)	55.86 (41.40, 71.73)	1.90 (1.41, 2.44)	-1.59 (-1.65, -1.52)
Belgium	25.52 (16.26, 36.40)	0.69 (0.44, 0.98)	28.39 (18.86, 40.60)	0.81 (0.54, 1.16)	1.06 (0.22, 1.91)
Belize	0.84 (0.62, 1.07)	1.14 (0.85, 1.46)	5.90 (4.92, 6.89)	3.12 (2.61, 3.65)	3.36 (3.24, 3.48)
Benin	9.55 (6.13, 13.47)	0.56 (0.36, 0.79)	27.73 (18.64, 38.06)	0.53 (0.36, 0.73)	-0.13 (-0.17, -0.09)
Bermuda	0.33 (0.23, 0.44)	1.27 (0.88, 1.72)	0.34 (0.26, 0.46)	1.97 (1.46, 2.60)	1.52 (1.48, 1.55)
Bhutan	2.30 (1.59, 3.14)	0.85 (0.59, 1.17)	4.70 (3.41, 6.33)	1.36 (0.98, 1.83)	1.47 (1.37, 1.56)
Bolivia (Plurinational State of)	36.42 (27.28, 46.97)	1.48 (1.11, 1.90)	91.28 (71.31, 114.73)	1.86 (1.45, 2.33)	0.78 (0.75, 0.82)
Bosnia and Herzegovina	32.01 (22.77, 42.58)	1.69 (1.20, 2.24)	16.36 (12.03, 21.72)	1.63 (1.20, 2.16)	-0.07 (-0.16, 0.01)
Botswana	5.76 (3.97, 7.68)	1.12 (0.77, 1.49)	14.52 (10.34, 19.26)	1.36 (0.97, 1.81)	1.07 (0.66, 1.48)
Brazil	790.67 (565.74, 1041.58)	1.26 (0.90, 1.66)	505.15 (363.79, 687.51)	0.59 (0.43, 0.81)	-2.40 (-2.91, -1.88)
Brunei Darussalam	3.57 (2.62, 4.67)	2.89 (2.13, 3.79)	5.31 (3.90, 7.01)	2.60 (1.91, 3.43)	-0.38 (-0.44, -0.32)
Bulgaria	48.21 (35.54, 63.16)	1.62 (1.19, 2.12)	27.23 (19.52, 35.65)	1.43 (1.03, 1.88)	-0.32 (-0.39, -0.25)
Burkina Faso	16.26 (10.66, 22.89)	0.51 (0.33, 0.72)	43.05 (28.24, 59.34)	0.50 (0.33, 0.69)	0.02 (-0.04, 0.08)
Burundi	12.61 (8.45, 17.36)	0.61 (0.41, 0.84)	31.06 (21.11, 42.12)	0.59 (0.40, 0.80)	-0.10 (-0.21, 0.02)
Cabo Verde	0.63 (0.41, 0.88)	0.48 (0.31, 0.68)	1.47 (0.98, 2.07)	0.59 (0.39, 0.83)	0.63 (0.51, 0.74)
Cambodia	11.64 (6.67, 17.59)	0.30 (0.17, 0.46)	25.94 (15.46, 38.47)	0.36 (0.21, 0.53)	0.43 (0.33, 0.53)
Cameroon	21.25 (13.47, 29.57)	0.56 (0.35, 0.78)	71.20 (47.06, 98.27)	0.55 (0.37, 0.76)	0.05 (-0.02, 0.12)
Canada	339.95 (250.96, 450.03)	3.06 (2.26, 4.05)	373.48 (276.51, 490.57)	3.15 (2.33, 4.14)	-0.01 (-0.07, 0.06)
Central African Republic	6.21 (4.08, 8.65)	0.60 (0.39, 0.83)	12.99 (8.76, 17.85)	0.59 (0.40, 0.82)	0.06 (0.00, 0.11)
Chad	11.24 (7.26, 15.65)	0.54 (0.35, 0.75)	31.54 (21.13, 43.84)	0.50 (0.34, 0.70)	-0.11 (-0.16, -0.06)
Chile	84.57 (59.31, 113.55)	1.48 (1.04, 1.98)	134.29 (94.79, 182.41)	1.90 (1.34, 2.58)	0.60 (0.18, 1.02)

location	Number in 1990 (95% UI)	Rate in 1990 (95% UI)	Number in 2021 (95% UI)	Rate in 2021 (95% UI)	EAPC in ASIR between 1990 and 2021
China	5170.69 (3457.93, 7062.07)	0.94 (0.63, 1.29)	3280.21 (2153.88, 4623.90)	0.71 (0.47, 1.00)	-1.67 (-2.04, -1.30)
Colombia	95.88 (63.09, 131.44)	0.68 (0.45, 0.94)	185.58 (135.49, 247.39)	0.92 (0.67, 1.23)	0.99 (0.95, 1.02)
Comoros	0.99 (0.66, 1.37)	0.58 (0.38, 0.80)	1.89 (1.26, 2.59)	0.61 (0.41, 0.84)	0.18 (0.16, 0.20)
Congo	5.66 (3.78, 7.82)	0.60 (0.40, 0.83)	15.50 (10.70, 20.96)	0.70 (0.48, 0.95)	0.70 (0.63, 0.77)
Cook Islands	0.21 (0.17, 0.25)	2.72 (2.21, 3.29)	0.16 (0.13, 0.19)	2.66 (2.19, 3.23)	-0.17 (-0.23, -0.10)
Costa Rica	12.10 (8.31, 16.51)	0.94 (0.65, 1.29)	26.09 (18.73, 34.55)	1.37 (0.98, 1.82)	1.07 (0.97, 1.16)
Coted'Ivoire	26.34 (16.65, 37.18)	0.56 (0.35, 0.79)	63.23 (42.96, 87.35)	0.56 (0.38, 0.78)	0.17 (0.10, 0.25)
Croatia	32.73 (23.96, 43.35)	1.80 (1.32, 2.39)	25.87 (20.22, 31.94)	2.07 (1.62, 2.56)	0.39 (-0.17, 0.95)
Cuba	29.21 (19.42, 39.54)	0.60 (0.40, 0.81)	25.19 (17.23, 34.22)	0.70 (0.48, 0.95)	0.27 (0.11, 0.42)
Cyprus	2.76 (1.82, 3.90)	0.90 (0.59, 1.27)	5.31 (3.45, 7.57)	1.06 (0.69, 1.51)	0.11 (-0.27, 0.48)
Czechia	49.48 (35.55, 65.59)	1.33 (0.96, 1.77)	54.59 (39.40, 73.48)	1.85 (1.33, 2.49)	1.73 (1.34, 2.11)
Democratic People's Republic of Korea	31.69 (19.09, 47.49)	0.38 (0.23, 0.57)	42.77 (25.37, 62.08)	0.43 (0.25, 0.62)	0.15 (0.04, 0.26)
Democratic Republic of the Congo	85.53 (56.48, 119.66)	0.60 (0.39, 0.84)	234.63 (160.03, 315.52)	0.65 (0.44, 0.87)	0.32 (0.28, 0.36)
Denmark	26.26 (18.27, 35.61)	1.38 (0.96, 1.87)	27.85 (19.95, 37.49)	1.53 (1.09, 2.06)	0.11 (-0.58, 0.81)
Djibouti	1.01 (0.67, 1.42)	0.58 (0.38, 0.81)	3.55 (2.41, 4.89)	0.66 (0.45, 0.90)	0.41 (0.38, 0.44)
Dominica	0.19 (0.13, 0.26)	0.65 (0.44, 0.90)	0.23 (0.16, 0.29)	0.87 (0.61, 1.13)	0.85 (0.76, 0.95)
Dominican Republic	18.41 (12.22, 25.48)	0.60 (0.40, 0.83)	36.89 (26.26, 48.57)	0.81 (0.58, 1.07)	1.00 (0.98, 1.03)
Ecuador	41.09 (30.37, 53.62)	1.00 (0.74, 1.30)	116.24 (91.36, 144.23)	1.59 (1.25, 1.97)	2.33 (2.05, 2.60)
Egypt	207.44 (141.69, 282.96)	0.95 (0.65, 1.29)	500.49 (353.58, 665.31)	1.19 (0.84, 1.58)	0.81 (0.76, 0.85)
El Salvador	14.99 (10.03, 20.53)	0.72 (0.48, 0.98)	24.12 (17.47, 31.93)	0.93 (0.67, 1.23)	0.94 (0.90, 0.97)
Equatorial Guinea	0.87 (0.56, 1.23)	0.57 (0.37, 0.82)	4.95 (3.41, 6.68)	0.71 (0.49, 0.96)	0.89 (0.81, 0.98)
Eritrea	7.39 (4.94, 10.23)	0.57 (0.38, 0.79)	16.92 (11.46, 22.93)	0.60 (0.41, 0.82)	0.18 (0.17, 0.19)
Estonia	12.21 (9.22, 15.36)	2.15 (1.62, 2.70)	9.18 (6.85, 11.80)	2.32 (1.73, 2.98)	0.45 (0.36, 0.55)
Eswatini	3.27 (2.29, 4.35)	1.09 (0.76, 1.44)	5.95 (4.27, 7.82)	1.17 (0.84, 1.54)	0.24 (0.21, 0.28)
Ethiopia	96.68 (61.75, 135.31)	0.53 (0.34, 0.74)	229.96 (152.21, 315.66)	0.50 (0.33, 0.68)	-0.14 (-0.19, -0.09)
Fiji	5.54 (4.26, 7.08)	1.72 (1.32, 2.20)	6.20 (4.88, 7.64)	1.74 (1.37, 2.14)	0.05 (0.01, 0.09)
Finland	25.24 (16.78, 34.98)	1.39 (0.92, 1.93)	23.08 (15.78, 31.68)	1.39 (0.95, 1.90)	-0.41 (-0.78, -0.04)
France	228.99 (153.34, 315.87)	1.04 (0.70, 1.44)	215.03 (147.33, 294.12)	1.08 (0.74, 1.48)	0.14 (0.07, 0.21)
Gabon	2.44 (1.64, 3.40)	0.64 (0.43, 0.88)	5.29 (3.57, 7.24)	0.71 (0.48, 0.97)	0.36 (0.35, 0.37)
Gambia	2.01 (1.33, 2.83)	0.53 (0.35, 0.75)	5.36 (3.59, 7.39)	0.54 (0.36, 0.74)	0.05 (0.02, 0.07)
Georgia	25.97 (18.00, 34.66)	1.22 (0.85, 1.63)	12.81 (9.54, 16.67)	1.13 (0.84, 1.47)	-0.33 (-0.45, -0.21)
Germany	325.52 (214.57, 459.51)	1.10 (0.72, 1.55)	288.48 (195.46, 402.40)	1.14 (0.77, 1.59)	0.63 (0.13, 1.13)
Ghana	34.12 (22.31, 47.17)	0.59 (0.39, 0.82)	90.66 (62.79, 124.38)	0.63 (0.44, 0.87)	0.12 (0.04, 0.19)
Greece	21.08 (13.13, 30.51)	0.56 (0.35, 0.81)	19.59 (12.50, 28.39)	0.70 (0.45, 1.02)	1.04 (0.94, 1.15)
Greenland	0.79 (0.58, 1.03)	3.00 (2.18, 3.90)	0.64 (0.48, 0.83)	3.12 (2.36, 4.07)	-0.22 (-0.37, -0.07)

location	Number in 1990 (95% UI)	Rate in 1990 (95% UI)	Number in 2021 (95% UI)	Rate in 2021 (95% UI)	EAPC in ASIR between 1990 and 2021
Grenada	0.23 (0.15, 0.30)	0.68 (0.46, 0.91)	0.37 (0.26, 0.49)	0.92 (0.65, 1.21)	1.04 (0.99, 1.10)
Guam	4.28 (3.71, 4.95)	6.75 (5.84, 7.81)	3.48 (3.05, 3.93)	6.28 (5.50, 7.08)	-0.28 (-0.40, -0.16)
Guatemala	26.09 (18.81, 34.50)	0.88 (0.64, 1.17)	63.10 (45.98, 83.06)	0.93 (0.68, 1.22)	0.19 (0.03, 0.35)
Guinea	11.78 (7.65, 16.55)	0.57 (0.37, 0.81)	27.73 (18.62, 38.68)	0.54 (0.36, 0.75)	-0.14 (-0.22, -0.07)
Guinea-Bissau	2.04 (1.31, 2.87)	0.55 (0.35, 0.77)	4.61 (3.12, 6.42)	0.55 (0.37, 0.76)	0.09 (0.01, 0.17)
Guyana	2.29 (1.57, 3.11)	0.67 (0.46, 0.91)	3.29 (2.46, 4.28)	1.06 (0.79, 1.38)	1.43 (1.39, 1.46)
Haiti	17.23 (11.90, 23.44)	0.71 (0.49, 0.96)	48.59 (35.64, 62.98)	0.89 (0.65, 1.15)	0.85 (0.78, 0.92)
Honduras	15.04 (10.53, 19.93)	0.87 (0.61, 1.15)	45.85 (33.86, 59.86)	1.04 (0.77, 1.36)	0.56 (0.53, 0.59)
Hungary	71.06 (51.67, 94.25)	1.92 (1.40, 2.55)	56.52 (41.83, 73.99)	2.05 (1.52, 2.69)	0.50 (0.40, 0.61)
Iceland	0.81 (0.52, 1.12)	0.78 (0.50, 1.08)	1.11 (0.75, 1.54)	0.93 (0.62, 1.29)	0.94 (0.67, 1.21)
India	4159.36 (2898.97, 5662.80)	1.22 (0.85, 1.66)	8917.02 (6593.98, 11879.70)	1.46 (1.08, 1.95)	0.82 (0.66, 0.98)
Indonesia	306.61 (187.50, 438.09)	0.39 (0.24, 0.56)	562.33 (364.02, 790.90)	0.49 (0.32, 0.69)	0.79 (0.74, 0.84)
Iran (Islamic Republic of)	164.18 (110.54, 221.90)	0.76 (0.51, 1.02)	347.47 (241.50, 480.30)	1.00 (0.70, 1.38)	1.32 (1.10, 1.55)
Iraq	64.31 (43.77, 87.24)	0.90 (0.61, 1.21)	200.60 (141.31, 269.38)	1.15 (0.81, 1.54)	0.94 (0.87, 1.01)
Ireland	12.04 (7.99, 16.91)	0.88 (0.58, 1.23)	20.72 (14.44, 29.11)	1.32 (0.92, 1.86)	0.55 (0.04, 1.05)
Israel	13.67 (8.90, 19.19)	0.72 (0.47, 1.00)	26.40 (17.32, 37.20)	0.79 (0.52, 1.12)	0.49 (0.43, 0.55)
Italy	450.24 (319.93, 600.54)	2.11 (1.50, 2.81)	299.68 (222.15, 395.20)	1.90 (1.41, 2.50)	-0.49 (-0.85, -0.13)
Jamaica	6.18 (4.22, 8.32)	0.63 (0.43, 0.85)	10.12 (7.06, 13.35)	0.85 (0.59, 1.12)	0.83 (0.78, 0.89)
Japan	1524.17 (1092.78, 2060.52)	3.40 (2.44, 4.60)	962.92 (721.82, 1265.58)	2.97 (2.23, 3.90)	-0.36 (-0.46, -0.26)
Jordan	18.47 (13.06, 24.46)	1.20 (0.85, 1.59)	86.95 (63.84, 113.37)	1.62 (1.19, 2.11)	1.00 (0.93, 1.06)
Kazakhstan	80.31 (56.72, 106.73)	1.18 (0.84, 1.57)	101.13 (73.33, 133.75)	1.45 (1.05, 1.92)	0.76 (0.47, 1.05)
Kenya	50.43 (33.34, 69.42)	0.58 (0.38, 0.79)	128.12 (87.73, 173.80)	0.59 (0.41, 0.80)	-0.20 (-0.34, -0.06)
Kiribati	0.75 (0.61, 0.91)	2.47 (2.00, 2.98)	1.30 (1.09, 1.51)	2.61 (2.19, 3.04)	0.21 (0.17, 0.25)
Kuwait	10.22 (6.70, 14.14)	1.21 (0.79, 1.67)	33.28 (21.95, 46.48)	1.57 (1.03, 2.19)	0.91 (0.86, 0.97)
Kyrgyzstan	17.69 (12.24, 23.67)	0.98 (0.68, 1.31)	25.71 (17.95, 34.46)	0.94 (0.66, 1.27)	-0.13 (-0.21, -0.05)
Lao People's Democratic Republic	5.02 (2.95, 7.35)	0.32 (0.19, 0.48)	12.61 (7.63, 18.40)	0.39 (0.24, 0.57)	0.54 (0.44, 0.63)
Latvia	27.06 (20.29, 35.12)	2.84 (2.13, 3.68)	11.35 (8.38, 14.56)	2.11 (1.56, 2.70)	-0.32 (-0.82, 0.19)
Lebanon	11.83 (8.19, 16.02)	1.03 (0.71, 1.39)	31.36 (21.58, 43.12)	1.35 (0.93, 1.86)	0.95 (0.91, 0.98)
Lesotho	5.99 (4.19, 8.03)	1.11 (0.78, 1.49)	9.45 (6.65, 12.41)	1.14 (0.80, 1.49)	0.17 (0.11, 0.22)
Liberia	5.00 (3.21, 6.91)	0.54 (0.35, 0.75)	11.84 (7.70, 16.48)	0.53 (0.34, 0.73)	0.11 (-0.01, 0.22)
Libya	15.80 (10.71, 21.29)	0.94 (0.64, 1.27)	36.84 (25.94, 49.15)	1.23 (0.86, 1.64)	1.13 (0.99, 1.28)
Lithuania	22.53 (16.35, 29.31)	1.62 (1.17, 2.10)	12.32 (9.07, 16.00)	1.53 (1.13, 1.99)	-0.51 (-0.93, -0.09)
Luxembourg	1.48 (1.00, 2.08)	1.01 (0.68, 1.41)	2.51 (1.72, 3.49)	1.14 (0.78, 1.58)	-0.06 (-0.58, 0.46)
Madagascar	29.38 (20.33, 39.80)	0.65 (0.45, 0.88)	80.15 (55.87, 106.33)	0.68 (0.48, 0.91)	0.11 (0.08, 0.14)
Malawi	20.38 (13.40, 28.09)	0.55 (0.36, 0.75)	44.60 (30.17, 60.34)	0.55 (0.37, 0.74)	0.05 (0.00, 0.11)

location	Number in 1990 (95% UI)	Rate in 1990 (95% UI)	Number in 2021 (95% UI)	Rate in 2021 (95% UI)	EAPC in ASIR between 1990 and 2021
Malaysia	28.87 (16.92, 42.29)	0.39 (0.23, 0.57)	74.52 (47.58, 105.41)	0.54 (0.34, 0.76)	0.95 (0.82, 1.08)
Maldives	1.19 (0.89, 1.54)	1.47 (1.10, 1.90)	5.76 (4.06, 7.94)	2.21 (1.56, 3.05)	0.76 (0.33, 1.19)
Mali	16.71 (10.77, 23.47)	0.56 (0.36, 0.79)	47.76 (32.76, 65.63)	0.54 (0.37, 0.74)	-0.09 (-0.12, -0.05)
Malta	1.53 (1.03, 2.14)	1.11 (0.75, 1.55)	2.13 (1.49, 2.90)	1.59 (1.12, 2.17)	1.25 (1.12, 1.38)
Marshall Islands	0.52 (0.44, 0.62)	3.05 (2.56, 3.59)	0.81 (0.70, 0.93)	3.40 (2.94, 3.91)	0.29 (0.24, 0.33)
Mauritania	4.33 (2.78, 6.06)	0.56 (0.36, 0.79)	9.25 (6.26, 12.47)	0.54 (0.37, 0.73)	-0.08 (-0.12, -0.03)
Mauritius	2.74 (1.70, 3.86)	0.55 (0.34, 0.78)	5.37 (3.66, 7.53)	1.18 (0.80, 1.65)	2.74 (2.57, 2.91)
Mexico	434.53 (310.54, 582.40)	1.22 (0.87, 1.63)	602.79 (452.15, 781.29)	1.17 (0.88, 1.52)	-0.13 (-0.45, 0.18)
Micronesia (Federated States of)	1.23 (1.03, 1.45)	3.06 (2.57, 3.61)	1.41 (1.21, 1.63)	3.31 (2.84, 3.84)	0.24 (0.17, 0.32)
Monaco	0.11 (0.08, 0.16)	1.23 (0.83, 1.74)	0.12 (0.08, 0.16)	1.25 (0.85, 1.71)	-0.08 (-0.21, 0.05)
Mongolia	11.50 (8.45, 14.93)	1.30 (0.96, 1.69)	21.04 (15.79, 27.21)	1.67 (1.25, 2.16)	0.74 (0.62, 0.87)
Montenegro	3.63 (2.66, 4.69)	1.45 (1.06, 1.87)	2.78 (2.07, 3.61)	1.35 (1.01, 1.76)	-0.11 (-0.20, -0.02)
Morocco	99.96 (66.85, 135.37)	0.96 (0.64, 1.30)	182.06 (127.39, 246.08)	1.24 (0.87, 1.68)	0.90 (0.86, 0.95)
Mozambique	25.64 (16.78, 35.57)	0.54 (0.35, 0.75)	62.93 (42.35, 87.34)	0.52 (0.35, 0.73)	-0.06 (-0.11, 0.00)
Myanmar	60.52 (35.62, 89.07)	0.35 (0.21, 0.52)	99.85 (62.71, 143.77)	0.44 (0.28, 0.64)	0.76 (0.73, 0.78)
Namibia	6.15 (4.21, 8.24)	1.10 (0.75, 1.47)	12.79 (9.18, 16.89)	1.22 (0.88, 1.62)	0.33 (0.31, 0.35)
Nauru	0.15 (0.12, 0.18)	3.67 (3.08, 4.33)	0.17 (0.14, 0.20)	3.64 (3.10, 4.19)	-0.10 (-0.32, 0.13)
Nepal	61.71 (41.29, 85.06)	0.84 (0.57, 1.16)	131.22 (92.14, 179.20)	0.98 (0.69, 1.34)	-0.05 (-0.38, 0.28)
Netherlands	58.52 (39.25, 80.20)	0.97 (0.65, 1.33)	58.24 (40.12, 80.62)	1.10 (0.76, 1.53)	0.20 (0.00, 0.39)
New Zealand	15.12 (10.06, 20.82)	1.09 (0.73, 1.51)	14.36 (10.60, 19.04)	0.80 (0.59, 1.06)	-1.66 (-1.87, -1.44)
Nicaragua	9.70 (6.30, 13.53)	0.66 (0.43, 0.92)	23.49 (16.68, 31.58)	0.83 (0.59, 1.11)	0.86 (0.77, 0.94)
Niger	14.92 (9.61, 21.07)	0.54 (0.35, 0.76)	43.48 (28.86, 60.71)	0.49 (0.32, 0.68)	-0.30 (-0.35, -0.25)
Nigeria	181.91 (116.61, 254.15)	0.53 (0.34, 0.74)	443.63 (294.47, 619.36)	0.49 (0.33, 0.69)	-0.12 (-0.21, -0.03)
Niue	0.03 (0.02, 0.03)	3.43 (2.91, 4.04)	0.02 (0.02, 0.02)	3.54 (3.02, 4.14)	0.06 (-0.00, 0.11)
North Macedonia	11.59 (8.37, 14.98)	1.46 (1.05, 1.89)	10.80 (8.02, 14.08)	1.41 (1.05, 1.84)	-0.05 (-0.12, 0.02)
Northern Mariana Islands	0.87 (0.68, 1.05)	3.69 (2.92, 4.50)	0.57 (0.47, 0.67)	3.45 (2.86, 4.09)	-0.66 (-0.91, -0.41)
Norway	27.62 (18.98, 37.89)	1.73 (1.19, 2.37)	32.12 (23.11, 43.15)	1.81 (1.30, 2.43)	1.14 (0.30, 1.99)
Oman	8.53 (5.72, 11.74)	1.03 (0.69, 1.41)	31.25 (20.63, 43.94)	1.35 (0.89, 1.90)	1.09 (0.96, 1.23)
Pakistan	388.72 (270.49, 527.71)	0.95 (0.66, 1.29)	895.54 (638.53, 1184.87)	0.91 (0.65, 1.20)	-0.18 (-0.23, -0.12)
Palau	0.27 (0.23, 0.32)	3.91 (3.31, 4.59)	0.23 (0.19, 0.26)	3.84 (3.28, 4.48)	-0.14 (-0.22, -0.05)
Palestine	11.72 (8.73, 15.30)	1.53 (1.14, 1.99)	43.27 (32.21, 56.85)	1.98 (1.48, 2.60)	0.76 (0.64, 0.89)
Panama	7.96 (5.46, 10.70)	0.79 (0.54, 1.06)	19.45 (14.20, 25.98)	1.18 (0.86, 1.57)	1.41 (1.35, 1.48)
Papua New Guinea	45.60 (37.04, 54.83)	2.75 (2.24, 3.31)	135.81 (113.69, 159.57)	3.17 (2.66, 3.73)	0.39 (0.32, 0.46)
Paraguay	7.54 (4.92, 10.39)	0.48 (0.31, 0.66)	17.42 (11.91, 23.40)	0.57 (0.39, 0.76)	0.61 (0.52, 0.70)
Peru	157.83 (122.40, 198.25)	1.78 (1.38, 2.23)	370.29 (292.96, 456.02)	2.49 (1.97, 3.07)	1.35 (1.26, 1.44)

location	Number in 1990 (95% UI)	Rate in 1990 (95% UI)	Number in 2021 (95% UI)	Rate in 2021 (95% UI)	EAPC in ASIR between 1990 and 2021
Philippines	83.87 (48.80, 123.77)	0.32 (0.19, 0.48)	164.33 (98.19, 238.90)	0.35 (0.21, 0.51)	0.32 (0.24, 0.39)
Poland	386.30 (281.67, 509.78)	2.67 (1.95, 3.53)	331.40 (255.47, 422.08)	2.74 (2.11, 3.49)	0.40 (0.21, 0.59)
Portugal	29.84 (19.84, 40.67)	0.79 (0.52, 1.07)	35.09 (24.16, 48.39)	1.19 (0.82, 1.64)	1.48 (1.30, 1.66)
Puerto Rico	12.35 (8.63, 16.61)	0.87 (0.61, 1.17)	15.36 (11.54, 19.98)	1.49 (1.12, 1.93)	1.78 (1.66, 1.90)
Qatar	3.03 (2.06, 4.24)	1.28 (0.87, 1.79)	23.20 (15.50, 32.19)	1.40 (0.94, 1.95)	0.06 (-0.02, 0.15)
Republic of Korea	630.33 (465.01, 811.29)	2.99 (2.21, 3.85)	566.03 (411.71, 754.26)	3.54 (2.57, 4.71)	0.58 (0.44, 0.71)
Republic of Moldova	29.01 (21.25, 37.66)	1.66 (1.22, 2.16)	19.13 (14.09, 24.71)	1.54 (1.14, 1.99)	-0.05 (-0.14, 0.05)
Romania	231.96 (177.13, 295.94)	2.67 (2.04, 3.41)	129.97 (98.54, 169.34)	2.41 (1.83, 3.14)	-0.11 (-0.20, -0.02)
Russian Federation	982.17 (699.96, 1312.41)	1.69 (1.20, 2.26)	573.46 (405.78, 761.63)	1.23 (0.87, 1.64)	-0.91 (-1.01, -0.82)
Rwanda	16.63 (11.17, 22.66)	0.61 (0.41, 0.83)	36.40 (24.98, 48.52)	0.64 (0.44, 0.86)	0.24 (0.08, 0.39)
Saint Kitts and Nevis	0.13 (0.09, 0.18)	0.75 (0.51, 1.02)	0.24 (0.17, 0.33)	1.07 (0.77, 1.45)	1.07 (1.03, 1.12)
Saint Lucia	0.42 (0.29, 0.56)	0.74 (0.51, 0.99)	1.02 (0.77, 1.29)	1.54 (1.17, 1.96)	2.51 (2.46, 2.56)
Saint Vincent and the Grenadines	0.27 (0.18, 0.37)	0.59 (0.39, 0.81)	0.34 (0.24, 0.45)	0.82 (0.59, 1.08)	1.12 (1.05, 1.20)
Samoa	2.10 (1.75, 2.50)	3.14 (2.61, 3.73)	2.78 (2.37, 3.23)	3.47 (2.95, 4.01)	0.30 (0.23, 0.37)
San Marino	0.08 (0.06, 0.11)	0.88 (0.60, 1.21)	0.07 (0.05, 0.10)	0.83 (0.57, 1.13)	-0.11 (-0.37, 0.15)
Sao Tome and Principe	0.26 (0.17, 0.37)	0.61 (0.40, 0.86)	0.72 (0.50, 0.98)	0.80 (0.55, 1.08)	1.01 (0.92, 1.10)
Saudi Arabia	84.75 (58.88, 113.19)	1.28 (0.89, 1.70)	475.65 (360.58, 623.82)	2.57 (1.95, 3.37)	2.46 (2.32, 2.60)
Senegal	14.71 (9.72, 20.48)	0.53 (0.35, 0.74)	35.14 (24.07, 49.23)	0.54 (0.37, 0.76)	0.17 (0.12, 0.21)
Serbia	46.91 (33.83, 62.57)	1.31 (0.94, 1.74)	40.24 (29.55, 52.27)	1.36 (1.00, 1.76)	0.77 (0.38, 1.16)
Seychelles	0.11 (0.06, 0.16)	0.34 (0.20, 0.51)	0.17 (0.10, 0.24)	0.43 (0.26, 0.63)	0.67 (0.61, 0.73)
Sierra Leone	8.86 (5.78, 12.43)	0.55 (0.36, 0.78)	19.78 (13.43, 27.13)	0.53 (0.36, 0.73)	-0.18 (-0.22, -0.14)
Singapore	30.08 (22.08, 39.67)	1.99 (1.46, 2.63)	40.70 (28.72, 56.44)	2.12 (1.49, 2.93)	0.28 (0.24, 0.33)
Slovakia	35.06 (25.52, 46.83)	1.71 (1.25, 2.29)	34.36 (24.94, 45.84)	2.01 (1.46, 2.68)	0.82 (0.72, 0.92)
Slovenia	13.08 (9.42, 17.44)	1.71 (1.23, 2.28)	11.30 (8.16, 15.20)	1.99 (1.43, 2.67)	1.02 (0.50, 1.55)
Solomon Islands	2.52 (1.97, 3.13)	1.96 (1.53, 2.44)	5.92 (4.84, 7.14)	2.16 (1.77, 2.61)	0.28 (0.27, 0.30)
Somalia	17.15 (11.40, 23.29)	0.59 (0.39, 0.80)	44.87 (29.96, 61.92)	0.54 (0.36, 0.75)	0.02 (-0.11, 0.15)
South Africa	235.62 (171.45, 310.08)	1.50 (1.09, 1.97)	342.32 (248.34, 457.50)	1.41 (1.02, 1.89)	-0.35 (-0.41, -0.29)
South Sudan	12.97 (8.60, 17.96)	0.56 (0.37, 0.78)	18.55 (12.34, 25.75)	0.52 (0.34, 0.72)	-0.18 (-0.25, -0.11)
Spain	146.49 (99.40, 200.99)	0.99 (0.67, 1.36)	157.77 (108.84, 221.51)	1.27 (0.88, 1.78)	1.02 (0.85, 1.19)
Sri Lanka	28.53 (17.41, 41.52)	0.39 (0.24, 0.56)	39.87 (24.93, 57.16)	0.49 (0.31, 0.71)	0.87 (0.80, 0.94)
Sudan	70.36 (48.13, 95.75)	0.92 (0.63, 1.26)	198.70 (139.95, 261.36)	1.07 (0.76, 1.41)	0.58 (0.52, 0.64)
Suriname	1.15 (0.79, 1.54)	0.71 (0.49, 0.95)	2.36 (1.78, 3.05)	1.10 (0.83, 1.42)	1.53 (1.50, 1.57)
Sweden	40.54 (26.96, 56.13)	1.38 (0.92, 1.91)	42.98 (29.46, 58.64)	1.33 (0.91, 1.81)	-0.83 (-1.22, -0.44)
Switzerland	28.65 (19.26, 39.95)	1.09 (0.73, 1.52)	32.01 (21.65, 44.51)	1.15 (0.78, 1.60)	-0.16 (-0.67, 0.34)
Syrian Arab Republic	45.30 (30.65, 61.83)	0.94 (0.64, 1.29)	57.13 (41.60, 76.41)	1.12 (0.82, 1.50)	0.93 (0.78, 1.08)

location	Number in 1990 (95% UI)	Rate in 1990 (95% UI)	Number in 2021 (95% UI)	Rate in 2021 (95% UI)	EAPC in ASIR between 1990 and 2021
Taiwan (Province of China)	27.52 (15.30, 42.05)	0.30 (0.17, 0.46)	48.79 (34.17, 67.08)	0.65 (0.45, 0.89)	2.96 (2.48, 3.45)
Tajikistan	37.90 (28.81, 48.53)	1.79 (1.36, 2.29)	89.48 (69.54, 111.89)	2.15 (1.67, 2.68)	0.44 (0.09, 0.80)
Thailand	87.04 (52.16, 129.81)	0.34 (0.20, 0.50)	85.71 (52.21, 124.76)	0.40 (0.25, 0.59)	0.56 (0.47, 0.65)
Timor-Leste	1.07 (0.64, 1.59)	0.34 (0.20, 0.50)	1.92 (1.19, 2.74)	0.34 (0.21, 0.48)	-0.10 (-0.15, -0.06)
Togo	7.39 (4.68, 10.40)	0.54 (0.34, 0.76)	18.48 (12.39, 25.17)	0.55 (0.37, 0.75)	0.13 (0.10, 0.16)
Tokelau	0.02 (0.01, 0.02)	3.06 (2.53, 3.63)	0.02 (0.01, 0.02)	3.16 (2.67, 3.69)	0.07 (-0.02, 0.16)
Tonga	0.84 (0.68, 1.02)	2.28 (1.84, 2.77)	1.03 (0.86, 1.21)	2.65 (2.21, 3.12)	0.42 (0.40, 0.45)
Trinidad and Tobago	4.30 (2.97, 5.82)	0.86 (0.59, 1.16)	6.43 (4.74, 8.37)	1.29 (0.95, 1.68)	1.64 (1.45, 1.83)
Tunisia	33.57 (23.04, 45.51)	0.98 (0.67, 1.32)	57.87 (40.82, 79.37)	1.33 (0.94, 1.82)	1.13 (1.08, 1.19)
Turkey	271.75 (188.11, 362.89)	1.14 (0.79, 1.52)	467.25 (336.54, 628.89)	1.47 (1.06, 1.97)	1.31 (1.01, 1.62)
Turkmenistan	17.44 (12.40, 22.79)	1.14 (0.81, 1.48)	20.95 (15.14, 27.41)	1.01 (0.73, 1.32)	-0.41 (-0.55, -0.28)
Tuvalu	0.11 (0.09, 0.13)	3.14 (2.63, 3.73)	0.17 (0.15, 0.20)	3.51 (3.00, 4.06)	0.28 (0.23, 0.32)
Uganda	35.77 (23.93, 50.05)	0.56 (0.37, 0.78)	101.09 (69.83, 137.71)	0.59 (0.41, 0.80)	0.14 (0.10, 0.18)
Ukraine	526.69 (392.51, 692.28)	2.77 (2.07, 3.64)	197.25 (143.69, 261.31)	1.43 (1.04, 1.90)	-2.43 (-2.53, -2.33)
United Arab Emirates	14.36 (9.95, 19.55)	1.50 (1.04, 2.05)	92.66 (62.87, 129.38)	2.31 (1.57, 3.22)	1.44 (1.23, 1.65)
United Kingdom	554.90 (397.36, 741.35)	2.66 (1.90, 3.55)	402.73 (296.77, 540.01)	1.85 (1.36, 2.48)	-0.98 (-1.17, -0.80)
United Republic of Tanzania	51.79 (34.04, 71.43)	0.53 (0.35, 0.74)	133.85 (91.11, 181.13)	0.57 (0.39, 0.78)	0.26 (0.23, 0.28)
United States of America	4320.38 (3219.32, 5631.38)	4.23 (3.15, 5.51)	3750.80 (2872.06, 4856.70)	3.37 (2.58, 4.36)	-0.94 (-1.08, -0.80)
United States Virgin Islands	0.37 (0.26, 0.50)	0.93 (0.66, 1.26)	0.33 (0.25, 0.43)	1.41 (1.06, 1.85)	1.36 (1.31, 1.42)
Uruguay	14.06 (9.70, 19.10)	1.24 (0.85, 1.68)	18.90 (13.71, 24.46)	1.58 (1.15, 2.04)	0.85 (0.81, 0.90)
Uzbekistan	155.38 (118.63, 198.86)	1.81 (1.38, 2.32)	236.56 (180.61, 306.32)	1.72 (1.31, 2.23)	-0.69 (-0.95, -0.43)
Vanuatu	1.64 (1.35, 1.97)	2.80 (2.30, 3.36)	3.92 (3.33, 4.52)	3.14 (2.68, 3.63)	0.27 (0.22, 0.33)
Venezuela (Bolivarian Republic of)	60.02 (39.53, 81.75)	0.75 (0.49, 1.02)	80.75 (56.13, 109.37)	0.86 (0.60, 1.17)	0.49 (0.46, 0.52)
Viet Nam	92.00 (53.06, 136.43)	0.32 (0.19, 0.48)	170.39 (101.93, 250.73)	0.44 (0.27, 0.65)	0.98 (0.87, 1.09)
Yemen	42.61 (28.57, 58.08)	0.93 (0.62, 1.26)	141.90 (99.95, 189.02)	1.03 (0.73, 1.37)	0.67 (0.54, 0.80)
Zambia	16.22 (10.68, 22.86)	0.53 (0.35, 0.75)	48.19 (32.50, 65.71)	0.60 (0.40, 0.81)	0.32 (0.31, 0.34)
Zimbabwe	40.02 (27.87, 53.62)	1.01 (0.70, 1.35)	62.40 (43.32, 84.21)	0.98 (0.68, 1.33)	0.06 (-0.04, 0.15)

**Abbreviation:** EAPC, estimated annual percentage change; ASIR, age-standardized rates for incidence; UI, uncertainty interval; SDI, socio-demographic index; GBD, global burden of disease.

**Supplementary Table SVI.** Upper respiratory infections incidence in 1990 and 2021 in adolescents and young adults and EAPC in ASIR by location

location	Number in 1990 (95% UI)	Rate in 1990 (95% UI)	Number in 2021 (95% UI)	Rate in 2021 (95% UI)	EAPC in ASIR between 1990 and 2021
Global	3521854451.67 (2868876681.68, 4234270012.35)	160683.35 (130891.47, 193187.06)	4545284554.89 (3679171019.86, 5484317774.00)	152791.53 (123676.78, 184357.51)	-0.18 (-0.19, -0.17)
SDI regions					
High SDI	771661133.05 (635282359.62, 919444325.33)	222403.52 (183097.25, 264996.70)	731392900.69 (600475641.82, 872584930.24)	207052.22 (169990.46, 247022.70)	-0.43 (-0.50, -0.36)
High-middle SDI	680174872.63 (553613407.45, 822084475.54)	150302.46 (122335.38, 181661.10)	655424450.56 (532814573.77, 788675320.50)	148869.71 (121020.74, 179135.62)	-0.03 (-0.03, -0.02)
Middle SDI	1137401720.98 (921864714.60, 1375726241.09)	151123.20 (122485.43, 182788.67)	1378030991.21 (1113355556.53, 1663320590.11)	148576.36 (120039.62, 179335.67)	-0.06 (-0.06, -0.05)
Low-middle SDI	670156671.23 (543361045.90, 806935738.90)	147806.85 (119841.35, 177974.24)	1149476752.40 (933461661.27, 1395585427.77)	143238.29 (116320.28, 173906.32)	-0.05 (-0.08, -0.02)
Low SDI	259369939.35 (209732610.81, 315795025.86)	140725.97 (113794.32, 171340.44)	627359450.23 (507403832.53, 756084010.91)	139704.47 (112991.98, 168369.69)	0.00 (-0.02, 0.03)
GBD regions					
Central Asia	30241311.73 (24041569.65, 36657510.36)	106282.40 (84493.55, 128831.99)	38036046.37 (30364022.75, 46045218.15)	101736.45 (81215.80, 123158.88)	-0.12 (-0.13, -0.11)
East Asia	696659332.69 (560650746.24, 845711352.26)	123148.59 (99106.33, 149496.54)	578947505.19 (463012598.49, 703131303.30)	120853.75 (96652.64, 146776.78)	-0.03 (-0.04, -0.02)
South Asia	584189717.73 (472561749.04, 707024306.69)	135349.27 (109486.50, 163808.47)	1046291056.15 (848139466.07, 1267480611.80)	132286.31 (107233.29, 160252.09)	-0.01 (-0.05, 0.03)
Southeast Asia	365883275.19 (298717328.35, 437646670.90)	185723.15 (151629.57, 222150.41)	463855386.48 (377571766.22, 561338621.99)	167259.75 (136147.09, 202410.84)	-0.41 (-0.44, -0.37)
High-income Asia Pacific	150275052.47 (123039032.48, 180390119.35)	222645.43 (182292.92, 267263.49)	111022963.87 (90839877.34, 133187457.14)	219676.06 (179740.71, 263531.93)	-0.07 (-0.08, -0.06)
Oceania	5008183.36 (4111634.95, 5998088.92)	188533.89 (154783.18, 225799.05)	10572008.59 (8690891.53, 12710924.14)	187632.61 (154246.44, 225594.21)	-0.02 (-0.03, -0.02)
Australasia	17548584.56 (14320975.73, 21068172.90)	215217.68 (175633.95, 258382.28)	22289794.22 (18303608.80, 26814968.18)	212873.61 (174804.45, 256090.25)	-0.03 (-0.04, -0.03)
Central Europe	63118186.01 (50687108.63, 76439766.59)	134728.58 (108193.89, 163164.09)	46959156.41 (37520172.90, 56614192.81)	134093.38 (107140.06, 161663.64)	-0.04 (-0.05, -0.03)
Eastern Europe	153856821.99 (124443755.80, 184916754.61)	179386.12 (145092.58, 215599.79)	118086113.46 (95731713.79, 142100637.66)	178449.77 (144668.17, 214740.12)	-0.03 (-0.05, -0.01)
Western Europe	258799823.13 (209893966.77, 313052189.00)	179572.41 (145638.30, 217216.28)	230589218.94 (187153250.77, 278368468.81)	177687.00 (144216.20, 214504.65)	-0.03 (-0.04, -0.02)
Andean Latin America	27179194.57 (22172989.57, 32785086.83)	175761.43 (143387.48, 212013.41)	46930554.77 (38417769.24, 56929231.58)	173306.29 (141870.07, 210229.65)	-0.06 (-0.07, -0.05)
Central Latin America	121329078.60 (98655886.05, 145826978.17)	177726.64 (144514.23, 213611.93)	175764371.98 (143694779.79, 210485544.18)	173744.45 (142043.41, 208066.60)	-0.08 (-0.09, -0.07)
High-income North America	350181513.60 (288789785.71, 418991740.87)	309032.12 (254854.46, 369756.54)	335024040.49 (275629158.90, 400880208.14)	271970.18 (223753.83, 325431.76)	-0.79 (-0.92, -0.65)
Southern Latin America	41099573.66 (33841940.43, 49714780.37)	215415.17 (177375.75, 260570.05)	55046433.57 (45093383.00, 65707647.84)	213393.88 (174809.72, 254723.31)	-0.03 (-0.05, -0.02)
Tropical Latin America	140752468.60 (115226486.87, 168260868.44)	218854.99 (179164.83, 261627.61)	180366335.71 (147658962.01, 217472485.27)	204243.09 (167205.94, 246261.32)	-0.11 (-0.18, -0.05)
Caribbean	24136206.17 (19550847.26, 29131400.74)	162373.23 (131525.82, 195977.77)	29577951.16 (24147135.93, 35748175.19)	162492.13 (132656.91, 196389.43)	0.01 (0.00, 0.01)
Central Sub-Saharan Africa	32762799.91 (26651071.11, 40002796.05)	157800.31 (128363.49, 192671.37)	83678649.74 (67501086.77, 100448119.17)	154685.16 (124779.94, 185684.56)	-0.07 (-0.07, -0.07)
Eastern Sub-Saharan Africa	108615193.52 (87542861.21, 131574759.77)	153216.86 (123491.40, 185604.53)	270563530.84 (219946808.66,	154444.11 (125550.88, 186285.18)	0.01 (-0.00, 0.03)

location	Number in 1990 (95% UI)	Rate in 1990 (95% UI)	Number in 2021 (95% UI)	Rate in 2021 (95% UI)	EAPC in ASIR between 1990 and 2021
			326344432.81)		
North Africa and Middle East	202942297.59 (165148334.52, 244350613.45)	151642.42 (123402.04, 182583.51)	368774719.52 (298297914.08, 444327286.36)	145034.91 (117317.18, 174748.87)	-0.15 (-0.16, -0.15)
Southern Sub-Saharan Africa	45823976.41 (36959816.78, 55364384.94)	211997.79 (170989.08, 256135.06)	67634636.53 (55060312.15, 81631977.11)	198714.88 (161770.71, 239839.96)	-0.23 (-0.27, -0.18)
Western Sub-Saharan Africa	101451860.19 (81978258.91, 123612239.37)	141743.95 (114536.31, 172705.43)	265274080.88 (213760286.26, 323379979.11)	138735.45 (111794.30, 169124.20)	0.01 (-0.06, 0.08)
Countries					
Afghanistan	2946127.93 (2299724.58, 3651910.18)	93541.31 (73017.62, 115950.31)	11417827.86 (8908663.54, 14120473.55)	93428.09 (72896.47, 115542.89)	-0.00 (-0.01, 0.00)
Albania	1893780.67 (1511644.22, 2290546.42)	133320.04 (106418.06, 161251.90)	1257525.92 (1008238.90, 1515067.79)	132640.36 (106346.26, 159805.17)	-0.01 (-0.01, -0.00)
Algeria	14157406.87 (11511287.90, 17318282.68)	140111.20 (113923.43, 171393.35)	23602815.58 (19045629.69, 28823893.88)	138620.55 (111855.97, 169284.21)	-0.04 (-0.04, -0.03)
American Samoa	38004.30 (31026.59, 46010.85)	187847.80 (153358.33, 227422.60)	32713.63 (26697.02, 39185.81)	187207.70 (152776.91, 224245.50)	-0.01 (-0.01, -0.00)
Andorra	43787.69 (35478.12, 53160.16)	175085.48 (141859.60, 212561.40)	44428.43 (36108.07, 53619.29)	174248.12 (141615.70, 210294.60)	-0.03 (-0.04, -0.02)
Angola	4152018.57 (3289374.34, 5105228.15)	106117.81 (84070.24, 130480.06)	12928878.24 (10305561.95, 15745327.45)	106269.28 (84706.86, 129419.16)	0.00 (0.00, 0.01)
Antigua and Barbuda	41558.80 (33064.28, 50721.64)	161150.33 (128211.59, 196680.57)	54961.30 (44412.35, 66674.33)	159778.39 (129111.46, 193829.45)	-0.01 (-0.01, -0.00)
Argentina	26243047.19 (21605383.99, 31812087.58)	214839.53 (176873.15, 260430.65)	37323331.03 (30658744.85, 44185975.24)	213001.55 (174967.24, 252166.17)	-0.04 (-0.05, -0.02)
Armenia	2081406.43 (1695417.89, 2525220.72)	144822.54 (117965.78, 175702.78)	1539980.26 (1239632.28, 1865373.12)	143247.67 (115309.56, 173515.44)	-0.03 (-0.04, -0.01)
Australia	14434971.26 (11716138.49, 17336206.46)	213143.75 (172998.04, 255982.78)	18273777.92 (14999214.64, 22079716.93)	210782.06 (173011.04, 254682.32)	-0.03 (-0.04, -0.03)
Austria	5298519.46 (4377401.17, 6482372.05)	176500.72 (145817.05, 215936.42)	4940857.58 (4024910.80, 5984848.19)	175053.15 (142601.42, 212041.44)	-0.01 (-0.03, 0.00)
Azerbaijan	3081080.88 (2432278.37, 3772500.55)	96946.61 (76531.96, 118702.22)	4055701.14 (3234355.68, 4995310.78)	95745.96 (76355.85, 117928.03)	-0.00 (-0.02, 0.01)
Bahamas	190411.67 (152058.10, 231429.74)	161345.01 (128846.18, 196101.60)	248428.68 (200858.73, 299501.09)	160626.02 (129868.82, 193647.81)	-0.01 (-0.02, -0.01)
Bahrain	350358.09 (283160.49, 425483.99)	136677.45 (110463.14, 165984.66)	958463.03 (775332.14, 1154642.97)	136230.44 (110201.26, 164114.33)	-0.02 (-0.03, -0.01)
Bangladesh	77236105.70 (62731894.20, 94037870.40)	182980.59 (148618.56, 222785.76)	124694773.31 (101211224.18, 149353774.90)	181205.30 (147079.22, 217039.53)	-0.03 (-0.04, -0.03)
Barbados	175243.17 (141485.49, 211928.04)	160553.25 (129625.35, 194162.98)	158181.32 (127394.01, 190220.10)	160137.69 (128969.60, 192572.72)	-0.01 (-0.01, -0.00)
Belarus	6734239.97 (5459657.63, 8188647.69)	170725.46 (138412.44, 207597.40)	4989402.10 (4044023.88, 6013746.39)	170072.95 (137847.99, 204989.61)	-0.01 (-0.03, -0.00)
Belgium	6528187.29 (5329046.64, 7891051.47)	175461.03 (143231.19, 212091.35)	6108485.18 (4981686.84, 7373880.06)	174402.85 (142231.72, 210531.03)	-0.02 (-0.03, -0.00)
Belize	118528.79 (96647.55, 144506.47)	161995.11 (132089.68, 197499.20)	304783.95 (249235.59, 368381.16)	161437.05 (132014.36, 195123.03)	-0.01 (-0.01, -0.01)
Benin	2228925.40 (1798243.70, 2696462.11)	130897.76 (105605.18, 158354.72)	6850380.46 (5448007.33, 8349236.12)	130669.00 (103919.14, 159259.23)	-0.01 (-0.01, -0.00)
Bermuda	41351.47 (33611.25, 50131.42)	160805.03 (130705.32, 194947.96)	28089.16 (22876.60, 33909.15)	160429.98 (130658.69, 193670.62)	0.00 (-0.00, 0.01)
Bhutan	392483.92 (314022.46, 474174.53)	145656.78 (116538.53, 175973.41)	497124.48 (403195.44, 602380.87)	143431.96 (116331.25, 173800.87)	-0.06 (-0.06, -0.05)
Bolivia (Plurinational State of)	3801834.20 (3074804.91, 4593901.05)	154166.91 (124685.38, 186285.74)	7509868.58 (6158287.34, 9044359.58)	152826.62 (125321.80, 184053.68)	-0.03 (-0.03, -0.03)
Bosnia and Herzegovina	2515196.56 (2030377.35, 3023166.54)	132440.56 (106911.85, 159188.31)	1335428.26 (1062293.33, 1626811.70)	132710.15 (105566.96, 161666.81)	0.01 (0.01, 0.02)
Botswana	855658.34 (689539.68, 1046209.14)	166223.23 (133952.43, 203240.30)	1743850.01 (1412719.12, 2111745.94)	163684.30 (132603.11, 198216.39)	-0.05 (-0.06, -0.04)
Brazil	137691665.50 (112768396.18, 164621961.64)	219443.57 (179722.56, 262363.23)	174439710.38 (142810405.22, 210487563.16)	204621.15 (167519.37, 246905.98)	-0.11 (-0.18, -0.05)
Brunei Darussalam	260786.03 (212519.56, 312928.59)	211524.74 (172375.58, 253817.81)	427574.28 (351003.06, 517956.18)	209554.45 (172026.85, 253850.69)	-0.04 (-0.07, -0.02)
Bulgaria	3954194.02 (3192912.11, 4798172.66)	132829.22 (107256.25, 161180.14)	2500948.59 (2000592.80, 3069468.61)	131656.08 (105316.12, 161584.37)	-0.05 (-0.06, -0.04)

location	Number in 1990 (95% UI)	Rate in 1990 (95% UI)	Number in 2021 (95% UI)	Rate in 2021 (95% UI)	EAPC in ASIR between 1990 and 2021
Burkina Faso	4693928.47 (3790234.62, 5723405.50)	147237.39 (118890.66, 179529.64)	12676447.49 (10285030.21, 15574438.74)	146472.37 (118840.29, 179957.75)	-0.02 (-0.02, -0.01)
Burundi	3188574.56 (2599396.98, 3840685.48)	153814.58 (125393.07, 185271.95)	8082537.94 (6544907.75, 9783559.96)	153303.09 (124138.56, 185566.71)	-0.00 (-0.01, -0.00)
Cabo Verde	174289.64 (140617.32, 213033.37)	133290.17 (107538.85, 162919.92)	328330.38 (265019.06, 398599.20)	131007.70 (105745.74, 159045.80)	-0.03 (-0.04, -0.03)
Cambodia	5156304.13 (4147110.75, 6303234.70)	133919.91 (107709.06, 163708.07)	9642709.03 (7742587.54, 11700906.26)	133128.79 (106895.41, 161544.59)	-0.02 (-0.03, -0.02)
Cameroon	6543037.91 (5322819.40, 7972035.46)	172037.19 (139953.78, 209610.06)	22105535.59 (17997003.73, 26533485.78)	171455.30 (139588.64, 205799.43)	-0.02 (-0.02, -0.01)
Canada	32863932.40 (26790258.10, 39597876.86)	295625.80 (240990.38, 356200.65)	35058397.38 (28478998.40, 42059796.58)	295561.99 (240093.96, 354587.72)	0.01 (0.00, 0.02)
Central African Republic	2167906.70 (1786371.50, 2619961.45)	208184.60 (171545.68, 251595.53)	4537501.86 (3690685.33, 5464970.87)	207834.61 (169047.24, 250316.17)	-0.01 (-0.01, -0.01)
Chad	2966359.13 (2397603.48, 3616506.26)	141317.73 (114222.13, 172290.82)	8876099.60 (7114015.71, 10680165.73)	141049.65 (113048.47, 169717.98)	-0.00 (-0.01, 0.01)
Chile	12414221.25 (10125432.02, 15060109.71)	216754.09 (176791.50, 262951.69)	15164649.12 (12335659.98, 18444040.74)	214326.94 (174343.91, 260675.65)	-0.03 (-0.04, -0.02)
China	676339085.99 (544181826.20, 820561632.17)	123388.26 (99278.08, 149699.57)	558850227.22 (446894185.05, 678901672.38)	121108.76 (96846.70, 147125.18)	-0.03 (-0.04, -0.02)
Colombia	29343988.08 (24214960.53, 35591697.84)	208791.09 (172296.56, 253245.38)	41610706.95 (34401197.02, 49748214.95)	207079.15 (171200.42, 247576.13)	-0.02 (-0.02, -0.01)
Comoros	255043.53 (204877.30, 307723.71)	147644.52 (118603.32, 178141.03)	453110.49 (365793.87, 554713.54)	146265.07 (118079.07, 179062.76)	-0.03 (-0.04, -0.03)
Congo	1643368.31 (1330097.28, 1996254.59)	173473.40 (140404.62, 210723.96)	3821030.26 (3105902.73, 4667863.07)	172459.18 (140182.46, 210680.30)	-0.04 (-0.04, -0.03)
Cook Islands	14577.53 (11895.55, 17748.73)	188877.60 (154127.74, 229965.97)	11106.11 (9151.34, 13336.00)	188472.30 (155299.56, 226313.84)	-0.01 (-0.02, -0.01)
Costa Rica	2107679.79 (1719164.41, 2557517.56)	164073.10 (133828.98, 199090.89)	3066121.65 (2450501.95, 3712417.48)	161096.45 (128751.30, 195053.34)	-0.05 (-0.05, -0.05)
Coted'Ivoire	7092128.44 (5731721.18, 8509872.30)	149937.73 (121176.78, 179910.87)	16758024.77 (13558100.60, 20197781.06)	149468.46 (120927.65, 180148.40)	-0.02 (-0.02, -0.01)
Croatia	2410387.92 (1949137.28, 2925771.55)	132839.42 (107419.33, 161242.84)	1651999.55 (1337762.52, 1994235.04)	132352.03 (107176.53, 159770.66)	-0.01 (-0.02, -0.01)
Cuba	7983576.38 (6549526.86, 9657119.61)	163608.94 (134220.69, 197905.17)	5767498.18 (4708867.11, 7035843.79)	160850.33 (131326.07, 196223.35)	-0.04 (-0.05, -0.03)
Cyprus	543468.70 (445003.89, 660770.35)	176704.88 (144689.76, 214844.65)	874723.06 (705158.89, 1055133.13)	174335.32 (140540.60, 210291.67)	-0.04 (-0.06, -0.01)
Czechia	4917234.82 (3954840.68, 5964406.19)	132517.16 (106581.09, 160737.93)	3865823.69 (3111678.13, 4692344.87)	130908.71 (105371.02, 158897.27)	-0.07 (-0.08, -0.07)
Democratic People's Republic of Korea	9657241.86 (7773062.16, 11902142.49)	115782.66 (93192.84, 142697.24)	11525589.84 (9314388.12, 14045714.00)	114587.24 (92603.51, 139642.28)	-0.01 (-0.02, -0.00)
Democratic Republic of the Congo	23818404.53 (19358197.72, 29268411.60)	166268.86 (135133.55, 204313.67)	59825067.65 (48476540.62, 71818284.39)	165784.93 (134336.33, 199020.07)	-0.01 (-0.02, -0.01)
Denmark	3373620.22 (2763906.41, 4123870.97)	176821.70 (144864.74, 216144.62)	3184009.04 (2583209.12, 3866014.89)	174594.44 (141649.71, 211992.08)	-0.04 (-0.05, -0.03)
Djibouti	279933.43 (223819.08, 341591.07)	159665.83 (127659.85, 194833.54)	858543.41 (690150.39, 1038157.76)	158764.49 (127624.73, 191979.33)	-0.01 (-0.02, -0.01)
Dominica	47280.57 (37732.69, 57634.81)	161887.57 (129195.85, 197340.25)	41470.98 (33576.65, 50687.60)	160130.07 (129648.05, 195717.78)	-0.01 (-0.02, -0.00)
Dominican Republic	4505161.01 (3638468.27, 5525924.56)	146652.23 (118439.60, 179880.18)	6608690.60 (5328756.09, 8023119.07)	145333.00 (117185.71, 176437.97)	-0.04 (-0.05, -0.03)
Ecuador	6960600.14 (5631611.10, 8457241.73)	168686.99 (136479.55, 204957.43)	12215183.46 (9990179.94, 14750644.45)	167228.98 (136768.11, 201940.09)	-0.03 (-0.03, -0.03)
Egypt	28784568.76 (23086956.46, 34748814.41)	131301.83 (105311.97, 158507.95)	55107615.16 (44437488.91, 67399395.53)	130550.23 (105272.64, 159669.52)	-0.02 (-0.03, -0.01)
El Salvador	3367499.70 (2726329.42, 4081366.61)	161177.35 (130489.26, 195344.89)	4148704.82 (3387230.82, 5065478.63)	160061.13 (130682.71, 195431.17)	-0.01 (-0.01, 0.00)
Equatorial Guinea	250234.39 (204617.88, 302107.39)	165715.08 (135506.03, 200067.42)	1146800.63 (921914.26, 1392121.72)	164862.88 (132533.44, 200129.98)	-0.03 (-0.03, -0.02)
Eritrea	2024851.83 (1637705.37, 2460872.99)	156250.78 (126376.04, 189897.02)	4351890.41 (3542898.89, 5321841.48)	155427.11 (126534.10, 190068.77)	-0.02 (-0.02, -0.01)
Estonia	972041.29 (789557.55, 1181140.21)	171138.42 (139010.18, 207952.56)	669161.75 (539008.78, 814021.55)	169213.68 (136301.36, 205844.97)	-0.05 (-0.06, -0.04)
Eswatini	410493.39 (328264.38, 500574.11)	136211.30 (108925.80, 166102.19)	685754.36 (554520.69, 837357.17)	134690.82 (108914.87, 164467.53)	-0.03 (-0.03, -0.02)
Ethiopia	20287743.24 (16007404.55, 25279073.50)	111046.02 (87617.36, 138366.32)	53471774.95 (42439958.18, 65905865.33)	115353.26 (91554.61, 142177.00)	0.07 (-0.03, 0.18)

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Fiji	603565.34 (495367.73, 725075.02)	187177.66 (153623.42, 224860.24)	661383.86 (541783.67, 795109.87)	185400.15 (151873.64, 222886.43)	-0.03 (-0.04, -0.03)
Finland	3161039.23 (2600741.55, 3825556.61)	174121.02 (143257.88, 210724.95)	2883540.81 (2331045.80, 3475457.10)	173081.88 (139918.87, 208611.10)	-0.02 (-0.04, -0.00)
France	38874169.10 (31771609.67, 46762769.07)	176695.94 (144412.46, 212552.23)	34754028.91 (28018182.71, 42905269.58)	174936.80 (141031.45, 215966.63)	-0.03 (-0.05, -0.02)
Gabon	730867.41 (598175.49, 881079.75)	190017.06 (155518.70, 229070.53)	1419371.11 (1159786.34, 1714471.20)	189361.16 (154729.43, 228731.06)	-0.02 (-0.02, -0.02)
Gambia	449405.89 (359696.69, 549174.95)	119194.10 (95400.90, 145655.45)	1190620.04 (962364.73, 1450274.55)	119045.90 (96223.45, 145007.83)	-0.01 (-0.02, -0.00)
Georgia	2215576.55 (1791434.48, 2719375.70)	104068.71 (84146.17, 127732.86)	1177688.43 (932239.31, 1433799.33)	103789.38 (82158.01, 126360.36)	0.01 (-0.00, 0.01)
Germany	51991368.23 (41980473.02, 63982000.97)	175005.62 (141308.43, 215366.71)	43893285.29 (35404749.88, 52989410.08)	173502.01 (139948.40, 209457.30)	-0.01 (-0.03, 0.00)
Ghana	7524327.31 (6072670.10, 9199056.95)	131082.14 (105792.66, 160257.80)	18618424.33 (15027687.88, 22476031.92)	130182.95 (105075.96, 157155.95)	-0.01 (-0.01, -0.01)
Greece	6702552.64 (5496798.49, 8058459.13)	178291.67 (146217.93, 214359.54)	4908889.82 (3986310.97, 5935305.95)	176335.69 (143195.08, 213206.31)	-0.05 (-0.06, -0.04)
Greenland	78688.45 (64020.70, 94298.48)	297294.39 (241877.85, 356270.94)	60803.34 (49828.18, 73285.30)	298080.41 (244276.15, 359271.59)	0.05 (0.03, 0.07)
Grenada	53857.09 (43615.17, 65233.88)	161535.18 (130816.28, 195657.94)	64922.41 (52317.42, 78341.03)	160624.00 (129438.10, 193822.89)	-0.02 (-0.02, -0.01)
Guam	119030.05 (97539.79, 143212.99)	187661.68 (153780.34, 225788.28)	103362.07 (84826.17, 123620.55)	186448.76 (153012.94, 222991.84)	-0.02 (-0.02, -0.01)
Guatemala	4287630.34 (3494371.82, 5197882.04)	145149.17 (118294.99, 175963.93)	9902093.65 (7953343.16, 12125925.44)	145475.25 (116845.45, 178146.37)	0.00 (-0.00, 0.01)
Guinea	2608236.91 (2071520.50, 3177367.77)	126957.61 (100832.59, 154660.42)	6568753.21 (5279111.85, 8011806.41)	127127.44 (102168.54, 155055.36)	0.00 (-0.00, 0.01)
Guinea-Bissau	492867.14 (390592.23, 596812.15)	132905.84 (105326.54, 160935.50)	1115091.34 (902481.63, 1351293.98)	132153.99 (106956.76, 160147.33)	-0.01 (-0.02, -0.01)
Guyana	545482.19 (436669.44, 663877.23)	160265.90 (128296.07, 195051.06)	494310.14 (399546.16, 602255.61)	159076.59 (128580.08, 193815.10)	-0.02 (-0.03, -0.01)
Haiti	439092.17 (3585548.88, 5282183.37)	180381.39 (147293.88, 216991.40)	9822173.14 (8004487.78, 11967321.01)	178930.58 (145817.79, 218008.74)	-0.03 (-0.04, -0.03)
Honduras	2835955.84 (2293363.80, 3427234.46)	164265.09 (132836.91, 198513.31)	7174024.69 (5772722.76, 8662031.15)	163207.71 (131328.36, 197059.58)	-0.02 (-0.03, -0.02)
Hungary	4901073.11 (3941754.28, 5958617.51)	132607.43 (106651.32, 161221.22)	3638177.52 (2913470.66, 4427530.27)	132224.42 (105885.97, 160912.32)	-0.04 (-0.05, -0.03)
Iceland	183999.51 (149181.60, 224401.85)	177123.52 (143606.74, 216016.05)	208046.27 (169536.33, 251576.49)	173848.85 (141668.94, 210223.82)	-0.06 (-0.07, -0.05)
India	429337947.41 (346365525.88, 520264130.29)	125895.62 (101565.45, 152558.09)	761215541.01 (614090134.49, 919296200.45)	124901.09 (100760.59, 150839.14)	-0.03 (-0.03, -0.02)
Indonesia	162894955.78 (133973894.71, 195514527.12)	208722.34 (171664.89, 250518.81)	194030658.08 (156193586.65, 237010662.95)	170389.95 (137162.95, 208133.27)	-0.79 (-0.86, -0.72)
Iran (Islamic Republic of)	31954082.17 (25955891.33, 38886702.93)	147130.07 (119511.87, 179050.78)	50274731.08 (40520978.69, 60712299.52)	144870.78 (116764.54, 174947.49)	-0.05 (-0.06, -0.05)
Iraq	10000078.22 (8026622.68, 12183750.56)	139176.55 (111710.89, 169567.92)	24216627.96 (19678258.56, 29247629.28)	138884.82 (112856.81, 167738.13)	-0.00 (-0.01, 0.00)
Ireland	2438875.40 (2007804.00, 2929915.16)	177795.73 (146370.32, 213592.87)	2740617.80 (2196211.52, 3302482.91)	175151.29 (140358.60, 211059.77)	-0.07 (-0.09, -0.06)
Israel	3396037.73 (2763004.29, 4088692.08)	177713.06 (144586.71, 213959.33)	5851042.23 (4719545.56, 7104408.27)	176074.40 (142024.47, 213791.73)	-0.05 (-0.06, -0.04)
Italy	40118101.85 (32975221.45, 48193945.84)	187920.92 (154462.29, 225749.72)	29210346.43 (23735339.01, 35083961.45)	184933.89 (150271.02, 222120.39)	-0.05 (-0.06, -0.04)
Jamaica	1603064.19 (1295692.79, 1938701.59)	163118.97 (131842.55, 197271.57)	1924947.33 (1558266.46, 2319676.66)	161320.04 (130590.38, 194400.29)	-0.03 (-0.03, -0.03)
Japan	101617124.65 (83016901.64, 121607908.72)	226750.45 (185245.54, 271358.27)	72837828.84 (59558468.22, 87385027.89)	224737.79 (183764.93, 269622.51)	-0.06 (-0.07, -0.05)
Jordan	1745862.01 (1402399.45, 2149984.50)	113592.65 (91245.62, 139886.44)	6041011.68 (4864755.57, 7224926.06)	112533.00 (90621.50, 134587.16)	-0.03 (-0.04, -0.03)
Kazakhstan	8759322.90 (7009204.82, 10611339.74)	129022.93 (103244.07, 156302.73)	8929085.75 (7268285.30, 10883403.59)	128118.84 (104288.87, 156160.33)	-0.02 (-0.03, -0.01)
Kenya	17408941.68 (13975665.06, 21211529.48)	198786.84 (159583.41, 242207.31)	43930767.32 (35379291.28, 53265346.01)	202898.07 (163402.33, 246010.63)	-0.00 (-0.06, 0.06)
Kiribati	57619.77 (47681.52, 69211.80)	188721.71 (156171.02, 226689.02)	93590.75 (77053.81, 112417.40)	188222.18 (154964.42, 226084.83)	-0.01 (-0.02, -0.00)

location	Number in 1990 (95% UI)	Rate in 1990 (95% UI)	Number in 2021 (95% UI)	Rate in 2021 (95% UI)	EAPC in ASIR between 1990 and 2021
Kuwait	1170281.62 (933494.06, 1429083.79)	138476.56 (110458.07, 169099.98)	2920744.51 (2337432.77, 3569915.86)	137593.26 (110114.05, 168175.05)	-0.02 (-0.03, -0.02)
Kyrgyzstan	1626573.29 (1304738.17, 1973073.81)	90183.61 (72339.81, 109394.96)	2454654.04 (1950485.82, 3003464.49)	90193.62 (71668.51, 110359.08)	0.02 (0.01, 0.03)
Lao People's Democratic Republic	2480002.44 (2010383.20, 3001832.47)	160516.40 (130120.63, 194291.48)	5108767.80 (4108634.55, 6244493.67)	159257.96 (128080.35, 194662.46)	-0.03 (-0.03, -0.02)
Latvia	1633335.54 (1310232.44, 1975401.81)	171214.55 (137345.24, 207071.68)	917046.13 (740427.49, 1104474.33)	170261.48 (137469.95, 205059.95)	-0.02 (-0.03, -0.01)
Lebanon	1609029.49 (1298925.25, 1966922.27)	139578.98 (112678.27, 170625.22)	3223603.09 (2612783.03, 3952094.34)	138927.54 (112603.05, 170323.31)	-0.01 (-0.02, -0.00)
Lesotho	855916.53 (694769.73, 1039565.75)	158629.61 (128763.78, 192665.88)	1318023.64 (1074813.99, 1607355.93)	158450.06 (129211.90, 193232.99)	0.00 (-0.01, 0.01)
Liberia	1468854.19 (1185104.95, 1781138.36)	159210.27 (128454.46, 193059.00)	3561855.26 (2890197.29, 4349016.17)	158643.70 (128728.30, 193703.55)	-0.02 (-0.02, -0.01)
Libya	2340936.74 (1880715.17, 2839455.46)	139324.91 (111934.03, 168995.12)	4152861.52 (3354725.61, 4964335.41)	138404.23 (111804.41, 165448.58)	-0.03 (-0.04, -0.03)
Lithuania	2379652.97 (1944302.05, 2871668.89)	170790.01 (139544.45, 206102.47)	1369335.00 (1100721.69, 1662889.51)	170083.49 (136719.35, 206545.55)	-0.01 (-0.02, 0.00)
Luxembourg	259335.70 (211127.69, 314866.87)	175733.03 (143065.95, 213362.49)	384226.85 (311665.24, 468990.28)	174168.70 (141276.77, 212591.67)	-0.03 (-0.04, -0.02)
Madagascar	6574360.70 (5349491.55, 7908317.17)	145141.28 (118100.01, 174590.86)	16860430.19 (13695197.22, 20138226.94)	143973.81 (116945.39, 171963.42)	-0.02 (-0.03, -0.02)
Malawi	6299020.35 (5086316.29, 7629025.24)	168581.69 (136125.90, 204176.83)	13777409.81 (11180090.71, 16659830.54)	168362.27 (136622.60, 203585.94)	-0.01 (-0.02, -0.01)
Malaysia	11842551.47 (9527134.58, 14359121.57)	159561.85 (128364.84, 193469.12)	22102727.36 (17955297.69, 26964921.49)	158983.75 (129151.51, 193957.26)	-0.01 (-0.02, -0.00)
Maldives	137685.34 (111898.05, 165949.59)	169424.95 (137693.10, 204204.75)	435234.29 (351921.88, 525700.33)	167291.28 (135268.44, 202063.77)	-0.04 (-0.05, -0.03)
Mali	3247071.02 (2581659.92, 3977003.36)	108754.80 (86468.05, 133202.57)	9711196.24 (7755122.76, 11896907.70)	109027.33 (87066.55, 133566.26)	0.01 (0.00, 0.01)
Malta	242662.40 (198352.13, 292121.79)	175851.00 (143740.53, 211692.91)	232557.68 (188687.26, 282367.59)	173737.04 (140962.73, 210948.57)	-0.05 (-0.07, -0.03)
Marshall Islands	32202.75 (26341.59, 38758.38)	187739.05 (153569.02, 225957.71)	44052.47 (36240.17, 52877.83)	185708.19 (152774.55, 222912.50)	-0.04 (-0.05, -0.04)
Mauritania	745215.87 (593289.35, 917679.58)	96929.20 (77168.33, 119361.32)	1652826.83 (1316325.18, 2004269.25)	96824.71 (77112.01, 117412.65)	-0.01 (-0.01, 0.00)
Mauritius	791003.98 (639338.99, 963145.47)	159118.52 (128609.56, 193746.54)	724049.91 (583484.34, 880923.29)	159059.10 (128179.69, 193521.01)	-0.02 (-0.03, -0.00)
Mexico	62555607.25 (50715097.78, 75296554.50)	175412.77 (142210.68, 211139.78)	88185596.63 (71868853.98, 105916373.61)	171195.58 (139519.72, 205616.51)	-0.08 (-0.09, -0.07)
Micronesia (Federated States of)	75417.90 (61866.30, 91926.16)	188235.20 (154411.83, 229438.09)	79510.88 (64914.48, 96213.60)	187233.92 (152862.01, 226565.85)	-0.03 (-0.04, -0.03)
Monaco	16068.69 (13073.17, 19480.17)	175629.76 (142888.85, 212916.98)	16281.09 (13349.42, 19694.88)	174657.78 (143207.86, 211279.64)	0.01 (-0.01, 0.02)
Mongolia	927372.94 (737815.65, 1125996.38)	104944.79 (83493.82, 127421.72)	1306348.88 (1051958.68, 1605743.93)	103503.31 (83347.72, 127224.67)	-0.03 (-0.04, -0.03)
Montenegro	331566.18 (269502.10, 399936.79)	132085.11 (107360.81, 159321.72)	273390.87 (221018.15, 329097.44)	132889.12 (107431.93, 159966.83)	0.00 (-0.01, 0.02)
Morocco	17586797.38 (14214941.44, 21441337.57)	169157.47 (136725.49, 206232.12)	24622762.18 (20137268.57, 29635407.51)	167714.22 (137161.96, 201857.09)	-0.04 (-0.04, -0.03)
Mozambique	5773228.05 (4615241.95, 7040524.51)	121719.07 (97304.83, 148437.94)	14733161.10 (11974757.17, 17778841.87)	122535.49 (99593.88, 147866.37)	0.01 (0.00, 0.01)
Myanmar	21554232.66 (17459841.91, 26248558.65)	125553.42 (101703.59, 152897.87)	28068130.88 (22693716.22, 34224611.32)	124848.75 (100943.03, 152233.15)	-0.03 (-0.04, -0.02)
Namibia	877312.90 (703664.16, 1068996.21)	156884.38 (125831.86, 191161.91)	1622669.81 (1301587.85, 1966170.81)	155267.36 (124544.19, 188135.71)	-0.04 (-0.04, -0.04)
Nauru	7603.92 (6204.63, 9138.82)	188070.00 (153460.88, 226033.16)	8731.08 (7098.97, 10496.63)	187596.52 (152528.89, 225531.16)	-0.02 (-0.02, -0.01)
Nepal	11303775.99 (9068750.05, 13642709.10)	154737.92 (124142.55, 186755.69)	20656749.19 (16634887.28, 24945458.18)	154067.21 (124070.38, 186054.31)	-0.03 (-0.04, -0.02)
Netherlands	10643244.43 (8664823.61, 12994698.68)	176511.12 (143700.33, 215508.42)	9251117.85 (7593478.05, 11245559.87)	175196.72 (143804.51, 212967.26)	-0.02 (-0.04, -0.01)
New Zealand	3113613.30 (2546153.58, 3739912.79)	225384.79 (184308.14, 270720.66)	4016016.30 (3300772.97, 4831451.50)	222939.57 (183234.54, 268206.51)	-0.03 (-0.04, -0.02)
Nicaragua	2062751.45 (1666518.25, 2481436.31)	139747.87 (112903.75, 168113.05)	3929250.23 (3209126.34, 4734037.29)	138055.48 (112753.69, 166331.93)	-0.03 (-0.04, -0.03)
Niger	3469578.61 (2796291.78, 4226962.79)	124654.83 (100465.02, 151866.08)	11159138.19 (8966596.69, 13605459.36)	125138.90 (100551.68, 152572.02)	0.01 (0.00, 0.02)

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Nigeria	50254563.75 (40312148.27, 61403691.07)	147183.50 (118064.56, 179836.61)	126495528.51 (101122241.47, 155534805.60)	140646.38 (112434.62, 172934.23)	0.02 (-0.13, 0.16)
Niue	1516.46 (1240.12, 1828.50)	188400.22 (154068.10, 227166.97)	1066.88 (860.74, 1287.77)	187892.28 (151588.42, 226794.76)	-0.03 (-0.04, -0.02)
North Macedonia	1059020.88 (867294.58, 1279916.22)	133360.49 (109216.77, 161177.43)	1012685.55 (817406.25, 1224640.22)	132417.30 (106882.86, 160132.19)	-0.02 (-0.03, -0.01)
Northern Mariana Islands	43746.49 (35550.71, 52700.30)	186795.68 (151800.07, 225028.09)	30674.20 (24858.33, 37279.29)	186040.36 (150766.86, 226100.50)	-0.00 (-0.02, 0.01)
Norway	2994688.80 (2446777.54, 3579793.06)	187189.87 (152941.42, 223763.14)	3259777.00 (2660384.74, 3915470.94)	183674.70 (149901.47, 220620.29)	-0.05 (-0.06, -0.04)
Oman	1131937.61 (916119.10, 1376786.75)	136427.58 (110415.90, 165938.19)	3132502.78 (2501833.96, 3881743.87)	135354.01 (108103.10, 167728.37)	-0.04 (-0.05, -0.02)
Pakistan	65919404.71 (53388151.43, 80230808.58)	161547.51 (130837.39, 196620.21)	139226868.16 (111993280.08, 168532623.50)	140766.51 (113231.76, 170396.35)	0.04 (-0.26, 0.35)
Palau	13094.95 (10776.12, 15973.66)	187727.55 (154485.08, 228996.41)	10940.63 (8898.31, 13214.36)	185758.63 (151082.58, 224363.78)	-0.03 (-0.04, -0.02)
Palestine	1078297.86 (870394.91, 1317966.83)	140495.65 (113407.16, 171723.06)	3058483.87 (2463239.55, 3693486.89)	140063.78 (112804.47, 169143.85)	-0.02 (-0.02, -0.01)
Panama	1637234.41 (1322737.12, 1979615.36)	161851.63 (130761.46, 195698.29)	2636391.30 (2148669.57, 3195618.47)	159737.26 (130186.51, 193620.47)	-0.03 (-0.04, -0.03)
Papua New Guinea	3125768.92 (2550889.05, 3726436.53)	188845.93 (154114.08, 225135.76)	8042323.48 (6558612.30, 9694220.64)	187925.18 (153255.27, 226525.11)	-0.02 (-0.03, -0.02)
Paraguay	3060803.10 (2490533.00, 3695014.20)	195291.79 (158906.22, 235757.07)	5926625.33 (4786659.93, 7126430.95)	193708.83 (156449.62, 232923.88)	-0.03 (-0.03, -0.02)
Peru	16416760.23 (13594530.84, 19865220.53)	185054.85 (153241.80, 223926.97)	27205502.72 (22244192.26, 32976683.01)	183065.21 (149680.66, 221899.35)	-0.05 (-0.06, -0.04)
Philippines	48214524.60 (39464102.98, 58089776.38)	186019.55 (152258.99, 224119.90)	89025191.90 (73443675.10, 106646384.05)	188412.10 (155435.52, 225705.43)	0.05 (0.03, 0.06)
Poland	20126631.61 (16157385.14, 24398481.94)	139333.36 (111854.92, 168906.68)	16741583.04 (13380710.88, 20194885.91)	138376.66 (110597.55, 166919.75)	-0.06 (-0.07, -0.04)
Portugal	6713567.66 (5494635.92, 8219058.65)	177320.92 (145126.10, 217084.44)	5168179.57 (4187049.89, 6265715.07)	175096.32 (141855.95, 212280.48)	-0.06 (-0.07, -0.05)
Puerto Rico	2286816.50 (1864997.76, 2787670.53)	161661.06 (131841.58, 197067.74)	1663338.09 (1336928.53, 1999311.06)	160822.30 (129262.91, 193306.34)	-0.02 (-0.02, -0.01)
Qatar	323508.24 (259931.22, 393790.64)	136817.94 (109929.98, 166541.73)	2238717.01 (1789768.40, 2781635.71)	135473.91 (108306.20, 168328.14)	-0.03 (-0.04, -0.03)
Republic of Korea	45208396.52 (37266182.79, 54202429.34)	214785.46 (177051.94, 257516.19)	33738376.79 (27552876.27, 40942688.15)	210844.91 (172189.19, 255867.59)	-0.08 (-0.09, -0.07)
Republic of Moldova	2971625.02 (2405918.01, 3627166.84)	170507.15 (138047.78, 208121.11)	2089347.12 (1685797.39, 2549603.35)	168460.34 (135922.84, 205569.98)	-0.05 (-0.06, -0.04)
Romania	11516977.12 (9294971.05, 14068995.33)	132576.77 (106998.33, 161954.13)	7098254.47 (5699027.80, 8587783.92)	131711.57 (105748.24, 159350.51)	-0.05 (-0.07, -0.04)
Russian Federation	104771472.70 (85020138.86, 126082634.93)	180107.87 (146154.25, 216742.92)	83332669.48 (67707735.82, 100268045.88)	179305.58 (145685.66, 215745.16)	-0.03 (-0.05, -0.01)
Rwanda	4380408.21 (3477524.79, 5330493.46)	159836.06 (126890.88, 194503.57)	9026683.30 (7318189.69, 10895036.86)	159162.17 (129037.31, 192105.74)	-0.01 (-0.01, -0.00)
Saint Kitts and Nevis	28025.94 (22691.88, 34007.72)	162175.06 (131308.95, 196789.25)	36385.72 (29705.39, 43833.05)	160097.91 (130704.31, 192866.32)	-0.04 (-0.04, -0.04)
Saint Lucia	91161.36 (73571.22, 109810.89)	162038.33 (130772.04, 195187.67)	105767.46 (86439.92, 128177.22)	160024.88 (130782.55, 193930.57)	-0.04 (-0.04, -0.04)
Saint Vincent and the Grenadines	74470.49 (60757.85, 91277.23)	162130.79 (132276.80, 198720.98)	66280.85 (53428.49, 80900.84)	160402.39 (129299.14, 195783.36)	-0.03 (-0.03, -0.02)
Samoa	126908.14 (103084.96, 152710.97)	189516.85 (153940.77, 228049.22)	150591.53 (122498.25, 181907.57)	187423.75 (152459.32, 226399.17)	-0.03 (-0.04, -0.03)
San Marino	16731.22 (13653.02, 20295.42)	178149.41 (145373.63, 216100.09)	15786.15 (13041.12, 19353.75)	176138.63 (145510.16, 215945.15)	-0.04 (-0.05, -0.03)
Sao Tome and Principe	57947.06 (46997.64, 70002.31)	134986.63 (109480.16, 163069.11)	120968.02 (98248.93, 146303.42)	133095.85 (108099.02, 160971.28)	-0.04 (-0.05, -0.04)
Saudi Arabia	9146223.39 (7381880.94, 11065234.31)	137635.24 (111084.86, 166513.12)	25269200.85 (20490346.14, 30836539.61)	136426.30 (110625.67, 166483.90)	-0.04 (-0.05, -0.03)
Senegal	3385781.17 (2664208.43, 4164906.04)	122697.47 (96548.36, 150932.21)	7822674.09 (6236017.54, 9466631.17)	121322.08 (96714.58, 146818.25)	-0.05 (-0.05, -0.04)
Serbia	4767115.62 (3838568.10, 5777675.95)	132746.54 (106889.92, 160886.91)	3921312.49 (3148490.92, 4697886.12)	132285.07 (106214.02, 158482.70)	-0.03 (-0.04, -0.02)
Seychelles	49592.92 (40056.56, 60109.40)	158854.15 (128307.64, 192540.16)	60518.15 (49658.84, 73080.14)	157659.66 (129369.40, 190385.72)	-0.03 (-0.04, -0.03)

location	Number in 1990 (95% UI)	Rate in 1990 (95% UI)	Number in 2021 (95% UI)	Rate in 2021 (95% UI)	EAPC in ASIR between 1990 and 2021
Sierra Leone	1915111.61 (1536540.18, 2344911.50)	119888.52 (96189.45, 146794.56)	4470751.39 (3598372.91, 5447824.96)	119867.80 (96477.97, 146064.66)	-0.00 (-0.01, 0.00)
Singapore	3188745.27 (2609268.55, 3853864.12)	211278.55 (172883.83, 255347.72)	4019183.96 (3240718.18, 4892167.06)	208928.89 (168461.97, 254309.10)	-0.05 (-0.07, -0.03)
Slovakia	2706819.12 (2192542.71, 3274213.48)	132229.69 (107106.99, 159947.23)	2236169.41 (1795181.30, 2720737.55)	130670.32 (104901.23, 158986.01)	-0.06 (-0.07, -0.05)
Slovenia	1008809.98 (822731.22, 1219413.36)	131640.67 (107359.06, 159122.53)	742350.34 (594971.59, 900598.82)	130374.16 (104490.99, 158166.32)	-0.04 (-0.05, -0.04)
Solomon Islands	242127.63 (194816.52, 292938.09)	188768.68 (151883.77, 228381.77)	512142.83 (415941.31, 618232.63)	187242.13 (152070.35, 226029.12)	-0.04 (-0.05, -0.03)
Somalia	4540386.76 (3664672.38, 5536963.35)	156605.14 (126400.36, 190978.64)	13005999.39 (10569348.12, 15875881.00)	156874.73 (127484.52, 191490.44)	-0.01 (-0.02, 0.00)
South Africa	36207542.40 (29338149.32, 43861399.37)	230096.98 (186442.36, 278736.83)	51759020.47 (41950393.21, 62789859.27)	213465.88 (173012.89, 258959.55)	-0.27 (-0.32, -0.22)
South Sudan	3626821.46 (2917923.64, 4410710.88)	157109.47 (126400.88, 191066.60)	5660939.36 (4547675.22, 6885964.06)	157287.64 (126355.91, 191324.62)	-0.00 (-0.01, 0.00)
Spain	26343679.89 (21577763.24, 31751205.76)	177640.10 (145502.68, 214104.01)	21727272.96 (17848120.09, 25933326.56)	174993.05 (143750.07, 208868.91)	-0.07 (-0.08, -0.06)
Sri Lanka	11705977.84 (9513613.37, 14342662.34)	158304.24 (128656.09, 193961.09)	12704661.17 (10398136.74, 15444314.69)	157535.36 (128934.90, 191506.53)	-0.02 (-0.03, -0.01)
Sudan	10443792.06 (8361822.62, 12753850.39)	137047.76 (109727.29, 167361.30)	25315601.61 (20291490.08, 30953311.29)	136947.77 (109769.24, 167445.63)	-0.00 (-0.01, -0.00)
Suriname	266500.40 (216434.07, 325119.40)	163652.68 (132907.93, 199649.45)	349357.08 (283652.76, 424113.48)	162754.99 (132145.32, 197581.76)	-0.01 (-0.02, -0.01)
Sweden	5419800.50 (4438102.19, 6558066.81)	184633.36 (151190.38, 223410.05)	5920049.48 (4885346.12, 7116796.85)	182633.69 (150713.06, 219553.38)	-0.03 (-0.04, -0.01)
Switzerland	4628787.61 (3771508.33, 5675689.45)	175669.59 (143134.53, 215401.12)	4830567.23 (3926044.22, 5863645.86)	173977.33 (141400.10, 211184.61)	-0.03 (-0.05, -0.02)
Syrian Arab Republic	6691611.89 (5429660.18, 8123714.06)	139482.74 (113178.09, 169334.07)	7104983.96 (5666622.18, 8659279.64)	139692.33 (111412.45, 170251.61)	-0.03 (-0.04, -0.02)
Taiwan (Province of China)	10663004.85 (8514124.67, 13100581.75)	115569.28 (92278.98, 141988.57)	8571688.13 (6919987.98, 10417079.44)	113610.94 (91718.96, 138070.14)	-0.05 (-0.06, -0.05)
Tajikistan	1748913.22 (1376435.31, 2137684.58)	82704.27 (65090.18, 101088.86)	3427103.54 (2751406.64, 4172312.31)	82161.90 (65962.64, 100027.65)	-0.01 (-0.01, -0.00)
Thailand	62626659.07 (51048895.76, 75385983.47)	241503.11 (196856.53, 290706.06)	50569330.84 (41530464.66, 60524194.22)	238537.86 (195901.11, 285495.41)	-0.05 (-0.06, -0.04)
Timor-Leste	472949.49 (386074.91, 572550.43)	148587.05 (121293.57, 179878.79)	852238.98 (686937.45, 1031209.76)	149165.28 (120232.96, 180490.09)	0.01 (-0.00, 0.01)
Togo	2130882.43 (1732733.03, 2582843.82)	155439.28 (126395.88, 188408.04)	5188339.94 (4212761.72, 6319523.47)	154207.32 (125211.28, 187828.24)	-0.03 (-0.04, -0.02)
Tokelau	1094.40 (896.40, 1315.51)	188647.33 (154516.20, 226759.89)	926.13 (764.18, 1118.97)	187189.13 (154455.77, 226166.94)	-0.03 (-0.03, -0.02)
Tonga	69906.20 (57079.87, 84274.02)	189464.47 (154701.69, 228405.10)	73099.01 (59807.67, 87804.74)	187927.41 (153757.21, 225733.78)	-0.03 (-0.04, -0.03)
Trinidad and Tobago	811769.46 (661918.32, 991275.42)	161917.42 (132027.77, 197722.10)	800440.15 (651106.36, 966023.09)	160802.39 (130802.36, 194066.76)	-0.02 (-0.03, -0.01)
Tunisia	4823816.75 (3876358.68, 5833856.95)	140235.41 (112691.41, 169598.75)	6020752.37 (4917881.13, 7382185.81)	138352.33 (113009.19, 169637.04)	-0.05 (-0.05, -0.04)
Turkey	48167143.70 (39427457.74, 57637934.63)	201376.91 (164838.09, 240972.34)	63170772.41 (51560290.32, 76274663.81)	198278.32 (161835.73, 239408.38)	-0.06 (-0.06, -0.05)
Turkmenistan	1607435.01 (1277072.48, 1950083.04)	104715.50 (83194.21, 127037.12)	2172617.73 (1748087.29, 2658572.87)	104459.45 (84048.03, 127824.17)	0.00 (-0.00, 0.01)
Tuvalu	6785.06 (5525.68, 8152.05)	188003.90 (153108.30, 225881.15)	9305.41 (7704.92, 11172.49)	187273.07 (155062.87, 224848.19)	-0.02 (-0.02, -0.01)
Uganda	12457079.16 (10086150.14, 15157193.71)	194207.73 (157244.59, 236302.92)	33318018.72 (27242764.74, 40342220.03)	193725.94 (158401.68, 234567.81)	-0.01 (-0.02, -0.01)
Ukraine	34394454.50 (28023051.23, 41277034.46)	181076.52 (147532.98, 217311.24)	24719151.89 (19834886.37, 29992676.64)	179319.47 (143887.68, 217575.06)	-0.04 (-0.05, -0.02)
United Arab Emirates	1310556.40 (1065045.33, 1606920.15)	137100.69 (111417.14, 168104.06)	5450689.15 (4251693.65, 6802161.99)	135677.32 (105832.20, 169317.88)	-0.06 (-0.08, -0.04)
United Kingdom	38654827.75 (31680759.55, 46578291.27)	184953.07 (151584.01, 222864.73)	39978077.72 (32695381.54, 48000876.45)	183794.29 (150312.99, 220678.12)	-0.01 (-0.02, -0.00)
United Republic of Tanzania	15638918.70 (12543646.76, 19032257.28)	161410.37 (129463.86, 196433.26)	37387132.47 (30431090.96, 44778339.56)	160229.04 (130417.72, 191905.35)	-0.02 (-0.03, -0.02)
United States of America	317230861.67 (261416254.31, 379594552.00)	310493.86 (255864.58, 371533.13)	299899586.14 (246857026.30, 358976576.81)	269451.14 (221793.93, 322530.11)	-0.87 (-1.02, -0.72)
United States Virgin Islands	63673.19 (51547.98, 77447.82)	160739.13 (130129.76, 195512.34)	36974.24 (30173.21, 45096.76)	159869.32 (130463.01, 194989.52)	-0.02 (-0.02, -0.02)

location	Number in 1990 (95% UI)	Rate in 1990 (95% UI)	Number in 2021 (95% UI)	Rate in 2021 (95% UI)	EAPC in ASIR between 1990 and 2021
Uruguay	2440353.19 (2013340.66, 2940110.86)	214854.55 (177259.34, 258854.42)	2555415.37 (2093202.33, 3066965.90)	213621.80 (174982.77, 256385.24)	-0.03 (-0.04, -0.01)
Uzbekistan	8193630.52 (6555796.60, 10160342.95)	95458.27 (76377.01, 118371.06)	12972866.61 (10249980.72, 15762570.24)	94436.50 (74615.14, 114744.25)	-0.03 (-0.04, -0.01)
Vanuatu	109717.53 (89804.65, 133425.01)	187290.51 (153298.73, 227759.76)	231834.17 (189872.45, 278308.46)	186004.87 (152338.20, 223292.05)	-0.03 (-0.03, -0.02)
Venezuela (Bolivarian Republic of)	13130731.74 (10699080.84, 16040809.45)	163946.87 (133585.92, 200281.34)	15111482.06 (12289614.64, 18088869.11)	161401.35 (131261.80, 193201.95)	-0.04 (-0.05, -0.04)
Viet Nam	37427551.50 (30259067.60, 45617920.24)	131243.58 (106106.55, 159963.95)	49884187.98 (40146498.27, 60801878.64)	129940.02 (104574.96, 158378.79)	-0.04 (-0.05, -0.04)
Yemen	7068862.17 (5727007.95, 8609384.51)	153775.23 (124584.69, 187287.58)	21129993.98 (17235572.63, 25624774.94)	153564.64 (125261.49, 186230.97)	-0.02 (-0.03, -0.01)
Zambia	5802258.11 (4708177.46, 7151567.57)	191225.10 (155167.46, 235694.30)	15409582.16 (12657927.64, 18677730.54)	190409.19 (156408.25, 230792.21)	-0.01 (-0.02, -0.01)
Zimbabwe	6617052.86 (5354359.94, 7969307.03)	166902.35 (135053.36, 201010.34)	10505318.24 (8565076.47, 12749798.86)	165760.89 (135146.28, 201176.01)	-0.02 (-0.03, -0.02)

**Abbreviation:** EAPC, estimated annual percentage change; ASIR, age-standardized rates for incidence; UI, uncertainty interval; SDI, socio-demographic index; GBD, global burden of disease.

**Supplementary Table SVII.** Lower respiratory infections incidence in 1990 and 2021 in adolescents and young adults and EAPC in ASIR by location

location	Number in 1990 (95% UI)	Rate in 1990 (95% UI)	Number in 2021 (95% UI)	Rate in 2021 (95% UI)	EAPC in ASIR between 1990 and 2021
Global	46535576.94 (41495031.27, 52179339.84)	2123.17 (1893.20, 2380.66)	57166955.86 (51333705.13, 63652469.70)	1921.69 (1725.60, 2139.70)	-0.15 (-0.21, -0.09)
SDI regions					
High SDI	1534472.09 (1314240.88, 1761566.36)	442.26 (378.78, 507.71)	1038625.78 (902382.39, 1174666.40)	294.03 (255.46, 332.54)	-0.93 (-1.06, -0.79)
High-middle SDI	4812871.39 (4229331.66, 5481926.48)	1063.53 (934.58, 1211.38)	4830400.26 (4216724.41, 5507352.34)	1097.15 (957.76, 1250.91)	0.48 (0.36, 0.59)
Middle SDI	13519367.95 (12057700.60, 15139663.34)	1796.28 (1602.07, 2011.56)	13941887.40 (12378327.05, 15520306.68)	1503.18 (1334.60, 1673.37)	-0.42 (-0.49, -0.34)
Low-middle SDI	18418238.69 (16284334.50, 20621219.41)	4062.25 (3591.60, 4548.13)	23776338.77 (21251972.29, 26340034.67)	2962.81 (2648.25, 3282.28)	-0.89 (-0.95, -0.83)
Low SDI	8231404.31 (7315142.27, 9166603.56)	4466.10 (3968.97, 4973.51)	13561104.71 (12225110.80, 15052743.19)	3019.87 (2722.37, 3352.04)	-1.06 (-1.15, -0.98)
GBD regions					
Central Asia	322928.64 (294712.67, 355589.34)	1134.93 (1035.76, 1249.71)	283690.85 (260528.35, 310659.90)	758.80 (696.85, 830.93)	-1.09 (-1.26, -0.91)
East Asia	6457091.62 (5622569.65, 7397167.26)	1141.42 (993.90, 1307.60)	4542851.16 (3851222.68, 5317124.06)	948.31 (803.93, 1109.94)	-0.28 (-0.37, -0.18)
South Asia	24204538.09 (21328501.83, 27233016.10)	5607.88 (4941.54, 6309.54)	32144874.78 (28553285.82, 35939882.07)	4064.19 (3610.09, 4544.01)	-0.86 (-0.98, -0.74)
Southeast Asia	2799849.45 (2495973.42, 3120522.95)	1421.21 (1266.96, 1583.98)	2886838.96 (2604000.98, 3219860.22)	1040.95 (938.97, 1161.04)	-0.98 (-1.08, -0.87)
High-income Asia Pacific	280301.45 (235874.28, 327536.45)	415.29 (349.47, 485.27)	109514.77 (92915.85, 129015.45)	216.69 (183.85, 255.28)	-1.66 (-1.77, -1.54)
Oceania	52094.29 (46070.56, 59151.11)	1961.10 (1734.33, 2226.75)	74476.72 (65347.86, 84067.49)	1321.82 (1159.80, 1492.03)	-0.72 (-0.84, -0.60)
Australasia	19304.10 (15960.07, 23097.62)	236.75 (195.74, 283.27)	16214.96 (13491.98, 19312.69)	154.86 (128.85, 184.44)	-0.94 (-1.10, -0.77)
Central Europe	217257.11 (194317.95, 242101.97)	463.74 (414.78, 516.78)	81998.96 (72978.34, 91471.38)	234.15 (208.39, 261.20)	-1.76 (-1.89, -1.62)
Eastern Europe	633363.86 (566511.51, 708811.46)	738.46 (660.51, 826.42)	486035.79 (441614.30, 533452.21)	734.49 (667.36, 806.14)	0.23 (0.06, 0.40)
Western Europe	334857.45 (283572.90, 389747.03)	232.35 (196.76, 270.43)	196357.21 (164675.42, 229861.85)	151.31 (126.90, 177.13)	-0.95 (-1.06, -0.83)
Andean Latin America	244355.99 (218444.55, 270286.39)	1580.19 (1412.63, 1747.88)	220612.81 (197109.40, 246571.39)	814.68 (727.89, 910.54)	-1.93 (-2.02, -1.84)
Central Latin America	435662.10 (390290.73, 483777.41)	638.17 (571.71, 708.65)	333561.56 (302025.67, 370126.33)	329.73 (298.55, 365.87)	-1.73 (-1.87, -1.58)
High-income North America	574352.73 (493388.90, 658795.89)	506.86 (435.41, 581.38)	368011.62 (323740.28, 413983.84)	298.75 (262.81, 336.07)	-1.53 (-1.70, -1.37)
Southern Latin America	114632.08 (100762.98, 130437.67)	600.82 (528.13, 683.66)	119053.83 (106140.62, 133381.91)	461.53 (411.47, 517.07)	-0.54 (-0.66, -0.42)
Tropical Latin America	1167168.66 (1051850.50, 1299044.19)	1814.82 (1635.51, 2019.87)	715210.74 (641463.46, 799704.43)	809.89 (726.38, 905.57)	-2.46 (-3.29, -1.63)
Caribbean	148427.03 (131284.02, 167192.18)	998.52 (883.20, 1124.76)	107882.84 (95839.25, 120712.47)	592.68 (526.51, 663.16)	-1.31 (-1.50, -1.12)
Central Sub-Saharan Africa	726251.54 (634142.78, 824996.53)	3497.95 (3054.32, 3973.55)	1301248.46 (1155504.30, 1459701.77)	2405.44 (2136.02, 2698.35)	-1.11 (-1.19, -1.02)
Eastern Sub-Saharan Africa	3242118.89 (2898532.42, 3595690.02)	4573.46 (4088.78, 5072.22)	5392113.80 (4894233.47, 5984777.12)	3077.95 (2793.75, 3416.25)	-1.47 (-1.60, -1.35)
North Africa and Middle East	1224960.26 (1080375.59, 1384802.84)	915.31 (807.28, 1034.75)	1552350.90 (1379817.37, 1756060.00)	610.52 (542.67, 690.64)	-1.00 (-1.10, -0.90)
Southern Sub-Saharan Africa	1285220.75 (1166883.87, 1413428.08)	5945.88 (5398.41, 6539.01)	1366590.66 (1234708.43, 1510737.05)	4015.13 (3627.65, 4438.64)	-1.20 (-1.61, -0.78)
Western Sub-Saharan Africa	2050840.84 (1828986.80, 2301148.82)	2865.34 (2555.38, 3215.06)	4867464.46 (4384047.72, 5393474.77)	2545.63 (2292.81, 2820.73)	0.11 (-0.11, 0.34)
Countries					
Afghanistan	38030.18 (33077.63, 43380.46)	1207.48 (1050.23, 1377.36)	96090.43 (83620.95, 108738.20)	786.27 (684.24, 889.77)	-1.17 (-1.39, -0.96)
Albania	7386.40 (6385.10, 8506.80)	519.99 (449.50, 598.87)	2195.36 (1858.96, 2585.38)	231.56 (196.08, 272.70)	-2.08 (-2.18, -1.98)

location	Number in 1990 (95% UI)	Rate in 1990 (95% UI)	Number in 2021 (95% UI)	Rate in 2021 (95% UI)	EAPC in ASIR between 1990 and 2021
Algeria	104649.43 (90186.74, 119385.33)	1035.68 (892.55, 1181.52)	108593.75 (94741.12, 124662.67)	637.78 (556.42, 732.15)	-1.33 (-1.42, -1.24)
American Samoa	298.91 (261.67, 339.06)	1477.43 (1293.39, 1675.90)	188.29 (167.53, 211.41)	1077.51 (958.73, 1209.82)	-0.52 (-0.65, -0.38)
Andorra	47.54 (39.45, 56.60)	190.09 (157.76, 226.32)	35.13 (28.86, 41.98)	137.77 (113.19, 164.66)	-0.61 (-0.74, -0.48)
Angola	124596.58 (109545.81, 141342.01)	3184.45 (2799.79, 3612.44)	237488.95 (207209.67, 268886.20)	1952.05 (1703.17, 2210.12)	-1.46 (-1.56, -1.35)
Antigua and Barbuda	252.12 (219.09, 287.30)	977.63 (849.55, 1114.07)	178.07 (154.35, 202.73)	517.66 (448.71, 589.37)	-1.50 (-1.72, -1.28)
Argentina	70294.86 (60485.53, 80923.54)	575.47 (495.17, 662.48)	96733.39 (86391.31, 108687.14)	552.05 (493.03, 620.27)	0.29 (0.12, 0.46)
Armenia	11794.83 (10103.52, 13587.09)	820.67 (702.99, 945.38)	6835.58 (5868.24, 7922.38)	635.84 (545.86, 736.93)	-0.56 (-0.65, -0.47)
Australia	15192.59 (12505.68, 18191.26)	224.33 (184.66, 268.61)	12280.42 (10121.72, 14753.64)	141.65 (116.75, 170.18)	-1.06 (-1.21, -0.90)
Austria	7885.79 (6728.94, 9093.75)	262.69 (224.15, 302.92)	4425.38 (3654.28, 5305.47)	156.79 (129.47, 187.97)	-1.43 (-1.52, -1.34)
Azerbaijan	33756.69 (29845.03, 37524.13)	1062.16 (939.08, 1180.70)	29817.29 (26358.54, 33610.99)	703.92 (622.27, 793.48)	-1.13 (-1.24, -1.01)
Bahamas	1100.74 (970.98, 1252.12)	932.71 (822.76, 1060.98)	743.97 (664.49, 838.34)	481.03 (429.64, 542.05)	-1.47 (-1.82, -1.13)
Bahrain	1666.22 (1395.73, 1969.26)	650.01 (544.49, 768.22)	3301.20 (2774.43, 3881.97)	469.21 (394.34, 551.76)	-0.65 (-0.81, -0.49)
Bangladesh	2633361.10 (2309373.29, 2981220.47)	6238.71 (5471.15, 7062.83)	1998337.73 (1729214.88, 2325377.29)	2903.97 (2512.88, 3379.22)	-2.29 (-2.40, -2.18)
Barbados	1059.71 (919.47, 1210.96)	970.88 (842.39, 1109.45)	515.94 (453.74, 588.40)	522.32 (459.36, 595.67)	-1.56 (-1.82, -1.29)
Belarus	32773.31 (28215.72, 37506.10)	830.86 (715.32, 950.85)	16692.45 (14544.57, 18876.62)	568.99 (495.78, 643.44)	-1.06 (-1.15, -0.98)
Belgium	8562.55 (7098.80, 10206.33)	230.14 (190.80, 274.32)	5352.66 (4382.93, 6376.76)	152.82 (125.14, 182.06)	-0.90 (-1.04, -0.77)
Belize	668.86 (590.99, 763.41)	914.14 (807.72, 1043.37)	1156.10 (1035.08, 1294.53)	612.36 (548.26, 685.68)	-1.01 (-1.28, -0.74)
Benin	48564.08 (42618.97, 55169.53)	2852.02 (2502.88, 3239.93)	132180.21 (116687.62, 148483.64)	2521.30 (2225.78, 2832.28)	0.06 (-0.14, 0.26)
Bermuda	201.16 (170.66, 234.48)	782.26 (663.66, 911.84)	76.43 (65.04, 89.84)	436.55 (371.45, 513.11)	-1.45 (-1.64, -1.25)
Bhutan	11984.56 (10102.80, 13761.24)	4447.65 (3749.30, 5107.01)	8508.06 (7317.79, 9773.18)	2454.77 (2111.35, 2819.79)	-1.97 (-2.04, -1.89)
Bolivia (Plurinational State of)	39084.38 (34271.82, 44066.68)	1584.90 (1389.74, 1786.93)	33761.50 (29709.56, 38386.00)	687.05 (604.59, 781.16)	-2.36 (-2.47, -2.25)
Bosnia and Herzegovina	9028.43 (7628.35, 10492.29)	475.40 (401.68, 552.48)	2453.60 (2060.86, 2877.62)	243.83 (204.80, 285.97)	-1.74 (-1.83, -1.65)
Botswana	26392.84 (22867.31, 30211.67)	5127.17 (4442.29, 5869.03)	33464.69 (29161.80, 37904.33)	3141.12 (2737.24, 3557.84)	-1.17 (-1.60, -0.75)
Brazil	1149830.22 (1037270.41, 1279434.05)	1832.52 (1653.13, 2039.07)	696223.14 (624073.52, 779241.88)	816.68 (732.05, 914.07)	-2.46 (-3.30, -1.62)
Brunei Darussalam	658.03 (572.48, 755.87)	533.73 (464.34, 613.09)	762.00 (658.13, 869.48)	373.46 (322.55, 426.13)	-0.65 (-0.89, -0.42)
Bulgaria	21658.15 (19623.37, 24187.01)	727.54 (659.19, 812.49)	4973.05 (4356.62, 5599.15)	261.79 (229.34, 294.75)	-2.60 (-2.83, -2.37)
Burkina Faso	82836.16 (73065.02, 93568.92)	2598.37 (2291.88, 2935.03)	212635.89 (187881.39, 239955.65)	2456.94 (2170.91, 2772.61)	0.35 (0.16, 0.54)
Burundi	108070.91 (95027.81, 123606.02)	5213.26 (4584.07, 5962.67)	183200.97 (160643.11, 205817.21)	3474.81 (3046.95, 3903.78)	-1.40 (-1.53, -1.27)
Cabo Verde	3957.56 (3461.42, 4495.59)	3026.60 (2647.16, 3438.06)	5833.58 (5121.41, 6633.99)	2327.67 (2043.50, 2647.04)	-0.55 (-0.75, -0.35)
Cambodia	92142.04 (81095.95, 103934.10)	2393.12 (2106.23, 2699.38)	91128.79 (81278.73, 101393.39)	1258.14 (1122.15, 1399.85)	-1.92 (-2.02, -1.81)
Cameroon	97290.83 (85608.88, 109419.91)	2558.08 (2250.93, 2877.00)	304710.14 (267265.33, 342624.71)	2363.40 (2072.97, 2657.47)	0.33 (0.03, 0.64)
Canada	52911.04 (43990.11, 63350.89)	475.96 (395.71, 569.87)	36613.17 (30727.95, 43442.71)	308.67 (259.05, 366.25)	-1.03 (-1.13, -0.94)
Central African Republic	34975.09 (30558.48, 40216.47)	3358.67 (2934.54, 3862.00)	60482.97 (52968.69, 68853.47)	2770.35 (2426.16, 3153.75)	-0.63 (-0.69, -0.56)
Chad	62413.38 (54287.19, 71162.45)	2973.38 (2586.25, 3390.19)	189753.72 (169674.73, 213421.53)	3015.37 (2696.29, 3391.47)	0.40 (0.14, 0.66)

location	Number in 1990 (95% UI)	Rate in 1990 (95% UI)	Number in 2021 (95% UI)	Rate in 2021 (95% UI)	EAPC in ASIR between 1990 and 2021
Chile	37421.01 (33218.94, 42266.66)	653.38 (580.01, 737.98)	17917.57 (15318.59, 20786.70)	253.23 (216.50, 293.79)	-3.20 (-3.44, -2.95)
China	6262471.12 (5448813.45, 7176832.56)	1142.50 (994.06, 1309.31)	4414834.10 (3739520.31, 5173735.94)	956.74 (810.39, 1121.20)	-0.25 (-0.34, -0.15)
Colombia	87304.52 (76187.03, 99100.12)	621.20 (542.09, 705.13)	75677.08 (66356.51, 85408.96)	376.61 (330.23, 425.04)	-1.28 (-1.40, -1.16)
Comoros	7983.23 (6963.49, 9094.46)	4621.48 (4031.16, 5264.78)	9499.05 (8383.59, 10728.92)	3066.32 (2706.24, 3463.32)	-1.64 (-1.86, -1.42)
Congo	27588.57 (24210.59, 31340.70)	2912.24 (2555.66, 3308.31)	43082.01 (37887.15, 48410.39)	1944.47 (1710.01, 2184.96)	-1.34 (-1.51, -1.17)
Cook Islands	186.30 (165.17, 209.15)	2413.82 (2140.05, 2709.86)	73.41 (65.76, 82.04)	1245.70 (1115.92, 1392.31)	-1.53 (-1.71, -1.35)
Costa Rica	5863.75 (4989.75, 6816.80)	456.47 (388.43, 530.66)	5466.93 (4672.06, 6260.35)	287.24 (245.47, 328.92)	-1.24 (-1.40, -1.09)
Coted'Ivoire	119024.66 (104093.91, 135388.40)	2516.35 (2200.69, 2862.30)	265741.71 (230857.55, 299031.80)	2370.21 (2059.07, 2667.13)	0.31 (0.07, 0.55)
Croatia	5701.51 (4848.07, 6569.15)	314.22 (267.18, 362.03)	1999.26 (1698.01, 2368.86)	160.17 (136.04, 189.78)	-1.79 (-1.89, -1.69)
Cuba	40165.44 (34603.13, 46164.91)	823.12 (709.13, 946.07)	17087.79 (14788.22, 19579.28)	476.56 (412.43, 546.05)	-1.45 (-1.71, -1.18)
Cyprus	572.46 (469.54, 675.82)	186.13 (152.67, 219.74)	618.36 (500.13, 741.72)	123.24 (99.68, 147.83)	-1.01 (-1.20, -0.83)
Czechia	13071.69 (11216.04, 15169.74)	352.28 (302.27, 408.82)	5718.60 (4877.50, 6670.60)	193.65 (165.17, 225.89)	-1.49 (-1.60, -1.37)
Democratic People's Republic of Korea	102925.16 (89167.43, 118489.48)	1233.99 (1069.05, 1420.59)	77883.31 (67620.08, 89460.38)	774.31 (672.28, 889.41)	-1.25 (-1.32, -1.18)
Democratic Republic of the Congo	522732.73 (448928.33, 602328.54)	3649.03 (3133.83, 4204.67)	933831.20 (820508.19, 1053421.06)	2587.80 (2273.76, 2919.20)	-0.99 (-1.11, -0.87)
Denmark	3909.07 (3229.82, 4633.99)	204.89 (169.28, 242.88)	2535.12 (2092.35, 3034.23)	139.01 (114.73, 166.38)	-0.88 (-1.01, -0.75)
Djibouti	5641.90 (4910.74, 6433.25)	3217.98 (2800.94, 3669.34)	14933.30 (13287.75, 16804.30)	2761.51 (2457.21, 3107.50)	-0.74 (-0.95, -0.53)
Dominica	250.92 (219.53, 286.08)	859.16 (751.67, 979.53)	138.14 (121.01, 156.87)	533.41 (467.26, 605.70)	-1.36 (-1.66, -1.06)
Dominican Republic	29515.41 (25550.20, 34078.00)	960.79 (831.71, 1109.31)	26689.12 (23125.27, 30411.35)	586.93 (508.55, 668.78)	-1.10 (-1.35, -0.85)
Ecuador	48399.32 (42840.97, 54184.68)	1172.94 (1038.23, 1313.14)	42428.90 (37749.61, 47496.12)	580.86 (516.80, 650.23)	-2.06 (-2.16, -1.95)
Egypt	218764.70 (189360.64, 252094.85)	997.90 (863.78, 1149.94)	282713.56 (246196.39, 324011.18)	669.75 (583.24, 767.58)	-0.90 (-1.03, -0.78)
El Salvador	13594.89 (11995.64, 15339.58)	650.69 (574.14, 734.19)	11144.45 (9832.48, 12629.69)	429.96 (379.35, 487.27)	-1.04 (-1.35, -0.74)
Equatorial Guinea	4696.29 (4101.56, 5382.84)	3110.07 (2716.22, 3564.73)	11511.75 (10177.08, 13033.29)	1654.92 (1463.05, 1873.65)	-2.19 (-2.32, -2.06)
Eritrea	68825.47 (58794.16, 79528.66)	5311.02 (4536.94, 6136.95)	110793.73 (96672.94, 127249.03)	3956.98 (3452.66, 4544.68)	-0.95 (-1.07, -0.84)
Estonia	4730.63 (4149.20, 5406.12)	832.88 (730.51, 951.81)	1860.78 (1615.98, 2110.91)	470.54 (408.64, 533.80)	-1.69 (-1.85, -1.53)
Eswatini	11275.27 (9939.81, 12852.06)	3741.40 (3298.26, 4264.61)	13557.13 (11907.37, 15433.37)	2662.79 (2338.76, 3031.31)	-0.55 (-1.00, -0.10)
Ethiopia	1075401.58 (948381.28, 1193029.38)	5886.27 (5191.01, 6530.11)	1467038.88 (1321553.93, 1631710.05)	3164.80 (2850.95, 3520.05)	-2.39 (-2.55, -2.23)
Fiji	6281.83 (5619.69, 7088.41)	1948.12 (1742.78, 2198.26)	3881.78 (3444.76, 4369.70)	1088.15 (965.64, 1224.92)	-1.06 (-1.23, -0.89)
Finland	4860.47 (4135.56, 5628.53)	267.73 (227.80, 310.04)	2581.83 (2130.68, 3069.16)	154.97 (127.89, 184.22)	-1.49 (-1.72, -1.26)
France	43566.78 (36606.29, 50578.63)	198.03 (166.39, 229.90)	26274.25 (21575.43, 31771.93)	132.25 (108.60, 159.93)	-0.87 (-1.00, -0.74)
Gabon	11662.28 (10261.40, 13229.16)	3032.06 (2667.85, 3439.43)	14851.57 (13140.70, 17033.61)	1981.38 (1753.13, 2272.49)	-1.37 (-1.45, -1.29)
Gambia	11307.36 (9852.79, 12849.17)	2999.01 (2613.22, 3407.93)	25873.19 (22814.49, 29180.16)	2586.97 (2281.14, 2917.62)	-0.01 (-0.36, 0.34)
Georgia	19805.67 (17589.34, 22339.38)	930.30 (826.20, 1049.31)	6273.23 (5607.09, 7028.49)	552.86 (494.15, 619.42)	-1.48 (-1.58, -1.39)
Germany	66355.98 (55117.97, 78321.21)	223.36 (185.53, 263.63)	39504.69 (32473.01, 46917.42)	156.15 (128.36, 185.46)	-0.76 (-0.90, -0.61)
Ghana	164201.01 (143039.29, 187597.08)	2860.56 (2491.90, 3268.15)	429302.34 (379288.55, 485962.56)	3001.75 (2652.05, 3397.93)	0.84 (0.52, 1.15)

location	Number in 1990 (95% UI)	Rate in 1990 (95% UI)	Number in 2021 (95% UI)	Rate in 2021 (95% UI)	EAPC in ASIR between 1990 and 2021
Greece	8006.34 (6678.71, 9523.59)	212.97 (177.66, 253.33)	4572.66 (3912.76, 5285.41)	164.26 (140.55, 189.86)	-0.24 (-0.39, -0.08)
Greenland	143.87 (122.35, 167.91)	543.54 (462.25, 634.39)	61.22 (52.11, 71.21)	300.11 (255.44, 349.11)	-1.87 (-2.01, -1.74)
Grenada	439.03 (386.09, 490.21)	1316.79 (1158.00, 1470.31)	263.29 (230.59, 295.80)	651.39 (570.49, 731.83)	-1.62 (-1.80, -1.44)
Guam	778.72 (685.78, 879.97)	1227.73 (1081.19, 1387.36)	490.10 (434.65, 544.00)	884.07 (784.04, 981.28)	-0.66 (-0.77, -0.56)
Guatemala	46710.20 (42442.07, 51970.97)	1581.28 (1436.79, 1759.37)	38667.17 (34821.33, 43046.78)	568.07 (511.57, 632.42)	-3.57 (-3.76, -3.39)
Guinea	68597.93 (60022.76, 77886.90)	3339.05 (2921.65, 3791.19)	176781.75 (155345.18, 200581.47)	3421.32 (3006.45, 3881.93)	0.54 (0.34, 0.75)
Guinea-Bissau	12512.03 (10887.14, 14386.01)	3373.98 (2935.81, 3879.31)	25790.39 (22799.60, 28919.87)	3056.52 (2702.07, 3427.41)	0.12 (-0.09, 0.33)
Guyana	3273.74 (2874.89, 3725.56)	961.85 (844.66, 1094.59)	1711.17 (1515.19, 1911.84)	550.68 (487.61, 615.26)	-1.49 (-1.81, -1.18)
Haiti	33497.88 (29208.69, 38406.36)	1376.09 (1199.89, 1577.73)	40880.37 (35859.63, 46202.55)	744.72 (653.26, 841.67)	-1.59 (-1.71, -1.46)
Honduras	11470.09 (9922.34, 13108.38)	664.37 (574.72, 759.27)	14679.59 (12328.59, 17197.98)	333.96 (280.47, 391.25)	-2.13 (-2.27, -1.99)
Hungary	17127.99 (14872.68, 19724.80)	463.43 (402.41, 533.69)	5921.69 (5043.40, 6956.47)	215.22 (183.30, 252.82)	-1.79 (-1.94, -1.63)
Iceland	235.90 (198.85, 274.39)	227.08 (191.41, 264.14)	190.95 (156.40, 227.54)	159.56 (130.69, 190.14)	-1.10 (-1.17, -1.03)
India	18855154.52 (16571713.58, 21254526.51)	5528.93 (4859.36, 6232.51)	25531961.19 (22604062.30, 28738136.51)	4189.31 (3708.90, 4715.39)	-0.73 (-0.88, -0.59)
Indonesia	1005860.92 (890863.89, 1126304.04)	1288.84 (1141.49, 1443.17)	1180792.23 (1039048.17, 1346153.60)	1036.92 (912.45, 1182.14)	-0.98 (-1.26, -0.70)
Iran (Islamic Republic of)	173823.20 (151650.87, 197949.31)	800.36 (698.26, 911.44)	192822.02 (169677.99, 218976.34)	555.63 (488.94, 631.00)	-0.90 (-1.08, -0.71)
Iraq	63938.96 (54973.05, 74045.22)	889.87 (765.09, 1030.53)	97243.74 (82311.08, 113341.61)	557.70 (472.06, 650.03)	-1.46 (-1.70, -1.23)
Ireland	2880.58 (2398.85, 3359.35)	210.00 (174.88, 244.90)	2097.12 (1738.90, 2492.38)	134.03 (111.13, 159.29)	-1.07 (-1.20, -0.93)
Israel	3456.38 (2853.71, 4146.02)	180.87 (149.33, 216.96)	4214.29 (3482.31, 5061.90)	126.82 (104.79, 152.33)	-0.60 (-0.73, -0.48)
Italy	42306.92 (34771.10, 50594.89)	198.17 (162.87, 237.00)	17200.30 (14666.02, 19926.60)	108.90 (92.85, 126.16)	-1.54 (-1.72, -1.36)
Jamaica	8482.74 (7236.38, 9828.39)	863.16 (736.33, 1000.08)	5978.65 (5118.61, 6896.18)	501.04 (428.96, 577.93)	-1.68 (-1.96, -1.41)
Japan	172276.43 (143454.89, 203622.11)	384.42 (320.11, 454.37)	65301.56 (55903.88, 76222.73)	201.48 (172.49, 235.18)	-1.75 (-1.85, -1.66)
Jordan	13035.40 (11172.72, 14963.07)	848.13 (726.94, 973.56)	26284.97 (22791.76, 30254.60)	489.64 (424.57, 563.59)	-1.69 (-1.84, -1.55)
Kazakhstan	65838.48 (59008.46, 74240.76)	969.79 (869.18, 1093.55)	46713.53 (41472.48, 52500.74)	670.27 (595.07, 753.31)	-0.95 (-1.24, -0.66)
Kenya	388831.57 (342303.62, 439007.59)	4439.94 (3908.65, 5012.88)	894201.07 (801344.13, 1000233.41)	4129.95 (3701.08, 4619.66)	-0.82 (-1.07, -0.57)
Kiribati	631.14 (551.84, 715.69)	2067.18 (1807.45, 2344.11)	675.55 (600.56, 763.85)	1358.61 (1207.80, 1536.20)	-0.90 (-1.00, -0.80)
Kuwait	7300.71 (6285.73, 8329.94)	863.87 (743.78, 985.66)	11669.52 (10042.52, 13471.30)	549.74 (473.09, 634.62)	-1.06 (-1.17, -0.96)
Kyrgyzstan	20661.74 (18346.09, 23070.64)	1145.57 (1017.18, 1279.13)	17796.65 (15067.74, 20288.94)	653.92 (553.65, 745.50)	-1.44 (-1.69, -1.18)
Lao People's Democratic Republic	28263.42 (24973.84, 32415.50)	1829.33 (1616.41, 2098.07)	28565.41 (25198.30, 32114.70)	890.48 (785.52, 1001.13)	-2.25 (-2.35, -2.16)
Latvia	7607.63 (6718.03, 8760.11)	797.47 (704.22, 918.28)	2594.66 (2293.52, 2941.98)	481.73 (425.82, 546.22)	-1.19 (-1.31, -1.07)
Lebanon	8412.63 (7201.28, 9787.72)	729.77 (624.69, 849.06)	11972.20 (10353.79, 13772.49)	515.97 (446.22, 593.55)	-0.82 (-0.91, -0.72)
Lesotho	20600.20 (17761.41, 23284.80)	3817.90 (3291.78, 4315.44)	26772.43 (23578.50, 30239.43)	3218.53 (2834.56, 3635.32)	0.23 (-0.13, 0.60)
Liberia	28721.31 (24790.64, 32580.12)	3113.13 (2687.08, 3531.39)	59798.93 (52909.48, 67157.27)	2663.42 (2356.57, 2991.16)	-0.03 (-0.32, 0.26)
Libya	13532.51 (11649.17, 15495.98)	805.41 (693.32, 922.27)	18023.54 (15755.39, 20566.01)	600.68 (525.09, 685.41)	-0.61 (-0.71, -0.51)
Lithuania	10161.12 (8685.04, 11830.64)	729.27 (623.33, 849.10)	4159.96 (3627.34, 4746.33)	516.70 (450.55, 589.54)	-1.05 (-1.20, -0.91)

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Luxembourg	308.09 (254.44, 360.09)	208.77 (172.41, 244.01)	290.30 (236.16, 348.29)	131.59 (107.05, 157.88)	-1.05 (-1.17, -0.94)
Madagascar	251228.76 (223497.43, 280236.08)	5546.34 (4934.12, 6186.73)	417062.42 (368437.76, 472780.46)	3561.36 (3146.15, 4037.14)	-1.36 (-1.47, -1.26)
Malawi	148834.00 (129163.19, 170240.49)	3983.27 (3456.82, 4556.17)	214457.24 (188846.40, 244783.20)	2620.70 (2307.73, 2991.29)	-1.44 (-1.59, -1.29)
Malaysia	114993.68 (101797.61, 129317.55)	1549.38 (1371.58, 1742.37)	175723.94 (155419.36, 197296.38)	1263.97 (1117.92, 1419.14)	-0.42 (-0.52, -0.32)
Maldives	908.29 (793.69, 1045.89)	1117.67 (976.65, 1286.99)	1788.49 (1531.75, 2082.97)	687.44 (588.76, 800.63)	-1.49 (-1.63, -1.35)
Mali	54200.62 (47847.69, 61000.36)	1815.35 (1602.57, 2043.10)	132396.32 (115458.70, 150984.57)	1486.41 (1296.25, 1695.10)	-0.12 (-0.34, 0.10)
Malta	326.99 (274.92, 387.43)	236.96 (199.23, 280.76)	238.56 (196.99, 280.93)	178.22 (147.17, 209.87)	-0.60 (-0.74, -0.46)
Marshall Islands	383.76 (337.52, 431.38)	2237.27 (1967.71, 2514.92)	360.68 (320.05, 404.98)	1520.49 (1349.20, 1707.26)	-0.67 (-0.81, -0.54)
Mauritania	21668.89 (19057.01, 24344.71)	2818.44 (2478.72, 3166.48)	38333.27 (33651.22, 42816.53)	2245.61 (1971.33, 2508.25)	-0.58 (-0.79, -0.38)
Mauritius	6769.47 (5919.40, 7584.72)	1361.75 (1190.75, 1525.74)	3472.28 (3046.97, 3959.12)	762.79 (669.36, 869.74)	-1.58 (-1.69, -1.47)
Mexico	212040.95 (188885.31, 237522.64)	594.59 (529.66, 666.04)	141178.47 (126605.73, 156602.21)	274.07 (245.78, 304.01)	-1.89 (-2.21, -1.58)
Micronesia (Federated States of)	944.08 (836.70, 1065.43)	2356.33 (2088.31, 2659.21)	637.13 (570.05, 718.12)	1500.34 (1342.36, 1691.05)	-0.91 (-1.05, -0.77)
Monaco	19.53 (16.32, 22.84)	213.46 (178.40, 249.59)	14.40 (12.23, 16.76)	154.53 (131.16, 179.80)	-0.61 (-0.73, -0.49)
Mongolia	10503.79 (9098.05, 11806.51)	1188.65 (1029.57, 1336.07)	7155.95 (6310.01, 8182.68)	566.97 (499.95, 648.32)	-2.34 (-2.48, -2.19)
Montenegro	1032.87 (885.09, 1200.54)	411.46 (352.59, 478.26)	492.42 (417.46, 574.35)	239.36 (202.92, 279.18)	-1.44 (-1.55, -1.32)
Morocco	94364.24 (82824.26, 107643.94)	907.64 (796.64, 1035.37)	88437.45 (76500.11, 101000.46)	602.38 (521.07, 687.95)	-1.02 (-1.23, -0.81)
Mozambique	159003.33 (139193.27, 180405.31)	3352.33 (2934.66, 3803.55)	309956.29 (272994.30, 354458.17)	2577.90 (2270.49, 2948.02)	-0.69 (-0.80, -0.58)
Myanmar	258135.35 (220708.39, 294343.39)	1503.64 (1285.63, 1714.55)	167814.96 (149354.75, 190418.34)	746.45 (664.34, 846.99)	-2.18 (-2.34, -2.01)
Namibia	27148.37 (23596.24, 30605.53)	4854.77 (4219.57, 5472.99)	28914.99 (25678.18, 32762.21)	2766.77 (2457.05, 3134.90)	-1.80 (-2.19, -1.40)
Nauru	86.44 (75.79, 98.37)	2138.03 (1874.51, 2432.94)	67.21 (59.93, 76.21)	1444.15 (1287.73, 1637.51)	-0.78 (-0.95, -0.60)
Nepal	497492.05 (429976.45, 576720.88)	6810.19 (5885.97, 7894.76)	598053.59 (527568.28, 677217.26)	4460.55 (3934.84, 5050.99)	-0.06 (-0.67, 0.56)
Netherlands	9904.42 (8125.95, 11903.59)	164.26 (134.76, 197.41)	5908.29 (4773.97, 7065.73)	111.89 (90.41, 133.81)	-0.92 (-1.07, -0.77)
New Zealand	4111.51 (3396.27, 4948.21)	297.62 (245.85, 358.19)	3934.54 (3284.42, 4630.39)	218.42 (182.33, 257.04)	-0.51 (-0.72, -0.30)
Nicaragua	8520.82 (7368.74, 9795.85)	577.27 (499.22, 663.65)	9326.63 (7992.48, 10627.55)	327.69 (280.82, 373.40)	-1.56 (-1.75, -1.37)
Niger	90080.33 (78955.14, 101413.28)	3236.40 (2836.70, 3643.57)	243914.84 (214849.21, 275414.03)	2735.27 (2409.33, 3088.50)	-0.16 (-0.33, 0.02)
Nigeria	1018080.99 (902744.34, 1147267.00)	2981.71 (2643.92, 3360.07)	2249432.28 (1998257.38, 2522527.26)	2501.07 (2221.80, 2804.72)	-0.04 (-0.26, 0.18)
Niue	15.88 (13.86, 18.00)	1973.49 (1721.97, 2235.78)	6.24 (5.49, 6.98)	1099.19 (966.49, 1229.30)	-1.36 (-1.48, -1.24)
North Macedonia	3649.57 (3116.43, 4267.83)	459.58 (392.45, 537.44)	1852.40 (1564.65, 2166.83)	242.22 (204.59, 283.33)	-1.72 (-1.79, -1.65)
Northern Mariana Islands	353.06 (307.40, 396.53)	1507.54 (1312.57, 1693.16)	156.73 (136.86, 179.17)	950.55 (830.06, 1086.70)	-1.08 (-1.18, -0.99)
Norway	3837.77 (3203.86, 4561.31)	239.89 (200.26, 285.11)	3013.70 (2508.01, 3588.60)	169.81 (141.32, 202.20)	-0.32 (-0.62, -0.01)
Oman	7455.26 (6435.72, 8525.59)	898.55 (775.67, 1027.55)	11545.25 (9955.81, 13448.09)	498.86 (430.19, 581.09)	-1.53 (-1.72, -1.33)
Pakistan	2206545.86 (1922358.23, 2515789.62)	5407.54 (4711.09, 6165.40)	4008014.21 (3517988.84, 4501111.23)	4052.34 (3556.89, 4550.89)	-0.78 (-0.89, -0.67)
Palau	148.77 (132.18, 170.17)	2132.69 (1894.90, 2439.53)	79.19 (71.06, 89.84)	1344.53 (1206.56, 1525.41)	-0.86 (-0.99, -0.72)
Palestine	10113.88 (8835.92, 11417.35)	1317.78 (1151.27, 1487.61)	16301.90 (14113.43, 18597.07)	746.55 (646.33, 851.66)	-1.22 (-1.40, -1.04)

location	Number in 1990 (95% UI)	Rate in 1990 (95% UI)	Number in 2021 (95% UI)	Rate in 2021 (95% UI)	EAPC in ASIR between 1990 and 2021
Panama	4624.18 (3979.43, 5375.77)	457.13 (393.39, 531.43)	5429.15 (4713.58, 6272.33)	328.95 (285.59, 380.04)	-0.76 (-0.93, -0.59)
Papua New Guinea	30960.26 (26798.27, 35744.08)	1870.49 (1619.04, 2159.51)	54672.53 (47077.21, 62485.24)	1277.53 (1100.05, 1460.09)	-0.71 (-0.83, -0.59)
Paraguay	17338.44 (14916.42, 19801.64)	1106.26 (951.73, 1263.43)	18987.61 (16590.61, 21586.02)	620.60 (542.26, 705.53)	-1.74 (-1.94, -1.54)
Peru	156872.30 (137506.76, 175738.55)	1768.31 (1550.02, 1980.98)	144422.42 (125981.00, 164321.15)	971.82 (847.72, 1105.71)	-1.74 (-1.85, -1.63)
Philippines	603209.28 (543494.43, 670193.36)	2327.28 (2096.89, 2585.72)	709637.46 (643695.52, 783074.95)	1501.87 (1362.31, 1657.29)	-1.14 (-1.26, -1.03)
Poland	51145.24 (44134.11, 58844.25)	354.07 (305.53, 407.37)	27795.60 (25135.99, 30651.94)	229.74 (207.76, 253.35)	-0.92 (-1.10, -0.73)
Portugal	12930.24 (11268.73, 14809.15)	341.52 (297.63, 391.14)	5065.44 (4230.68, 5913.39)	171.62 (143.33, 200.34)	-2.17 (-2.29, -2.04)
Puerto Rico	16588.37 (14861.05, 18708.17)	1172.68 (1050.57, 1322.53)	4524.93 (3955.20, 5123.63)	437.50 (382.41, 495.39)	-2.77 (-2.94, -2.60)
Qatar	1796.84 (1545.37, 2096.17)	759.92 (653.57, 886.51)	7440.74 (6323.84, 8657.43)	450.27 (382.68, 523.90)	-1.21 (-1.34, -1.08)
Republic of Korea	97345.06 (82281.67, 112314.83)	462.49 (390.92, 533.61)	37250.09 (30755.19, 44667.42)	232.79 (192.20, 279.14)	-1.57 (-1.75, -1.39)
Republic of Moldova	16984.21 (15170.14, 19135.54)	974.53 (870.44, 1097.97)	8218.49 (7314.64, 9211.82)	662.64 (589.77, 742.73)	-0.64 (-0.95, -0.32)
Romania	59102.12 (53486.95, 65628.86)	680.35 (615.71, 755.48)	17744.31 (15893.79, 19997.80)	329.25 (294.92, 371.07)	-1.97 (-2.11, -1.83)
Russian Federation	414199.50 (370126.15, 463130.39)	712.03 (636.27, 796.15)	341666.62 (309851.42, 374783.79)	735.16 (666.70, 806.42)	0.42 (0.14, 0.70)
Rwanda	154862.58 (137041.40, 176597.41)	5650.76 (5000.48, 6443.84)	145392.52 (128809.36, 164148.32)	2563.62 (2271.22, 2894.33)	-2.96 (-3.18, -2.74)
Saint Kitts and Nevis	188.00 (164.24, 211.57)	1087.90 (950.37, 1224.27)	99.52 (86.23, 113.70)	437.89 (379.41, 500.28)	-2.49 (-2.71, -2.28)
Saint Lucia	532.55 (463.17, 612.46)	946.60 (823.27, 1088.65)	354.88 (313.04, 398.87)	536.93 (473.63, 603.48)	-1.11 (-1.47, -0.75)
Saint Vincent and the Grenadines	409.18 (354.63, 468.47)	890.83 (772.08, 1019.91)	211.71 (186.42, 237.55)	512.36 (451.14, 574.88)	-1.49 (-1.75, -1.23)
Samoa	1398.49 (1244.22, 1586.21)	2088.43 (1858.04, 2368.75)	1103.22 (971.33, 1248.99)	1373.05 (1208.90, 1554.47)	-0.76 (-0.90, -0.62)
San Marino	16.94 (13.94, 20.06)	180.39 (148.38, 213.64)	12.24 (10.11, 14.63)	136.54 (112.79, 163.28)	-0.55 (-0.66, -0.43)
Sao Tome and Principe	1457.80 (1274.16, 1667.64)	3395.93 (2968.14, 3884.74)	3339.95 (2959.47, 3734.30)	3674.80 (3256.18, 4108.69)	0.50 (0.21, 0.79)
Saudi Arabia	52806.85 (46393.74, 60134.32)	794.65 (698.15, 904.92)	123276.85 (107758.11, 141109.59)	665.56 (581.78, 761.84)	0.07 (-0.16, 0.30)
Senegal	73884.87 (65885.71, 83548.45)	2677.52 (2387.64, 3027.72)	156093.12 (136987.10, 175486.68)	2420.85 (2124.54, 2721.63)	-0.39 (-0.67, -0.12)
Serbia	11580.85 (9909.38, 13516.01)	322.48 (275.94, 376.37)	5145.61 (4379.25, 5992.09)	173.59 (147.73, 202.14)	-1.84 (-1.94, -1.74)
Seychelles	551.86 (489.23, 620.97)	1767.70 (1567.08, 1989.08)	521.60 (463.75, 583.15)	1358.85 (1208.15, 1519.19)	-0.37 (-0.54, -0.20)
Sierra Leone	50820.91 (44164.34, 57660.08)	3181.46 (2764.75, 3609.60)	120883.92 (108009.31, 135869.06)	3241.09 (2895.90, 3642.86)	0.62 (0.35, 0.90)
Singapore	10021.94 (8965.72, 11162.87)	664.03 (594.05, 739.62)	6201.11 (5302.87, 7097.89)	322.35 (275.66, 368.97)	-1.72 (-2.34, -1.09)
Slovakia	10867.22 (9569.93, 12391.87)	530.87 (467.50, 605.35)	3534.56 (3049.26, 4025.64)	206.54 (178.18, 235.24)	-2.55 (-2.79, -2.31)
Slovenia	2430.72 (2072.68, 2851.74)	317.19 (270.47, 372.13)	978.98 (818.79, 1157.59)	171.93 (143.80, 203.30)	-1.57 (-1.69, -1.45)
Solomon Islands	4407.18 (3924.55, 4969.67)	3435.94 (3059.67, 3874.48)	6350.39 (5584.88, 7216.98)	2321.74 (2041.86, 2638.57)	-0.68 (-0.81, -0.56)
Somalia	135001.79 (118794.79, 154405.44)	4656.43 (4097.42, 5325.69)	311491.50 (271311.37, 353573.60)	3757.12 (3272.48, 4264.71)	-0.68 (-0.78, -0.57)
South Africa	1074492.63 (975300.64, 1181592.08)	6828.34 (6197.98, 7508.95)	1096223.29 (991416.47, 1215436.45)	4521.07 (4088.83, 5012.73)	-1.39 (-1.83, -0.94)
South Sudan	82680.80 (71347.84, 94468.69)	3581.63 (3090.70, 4092.27)	99031.72 (86952.66, 112369.17)	2751.57 (2415.96, 3122.15)	-0.93 (-1.09, -0.77)
Spain	45671.92 (38950.05, 53032.70)	307.97 (262.65, 357.61)	21568.96 (18039.24, 25215.45)	173.72 (145.29, 203.09)	-1.45 (-1.57, -1.32)
Sri Lanka	93257.38 (81827.02, 106115.50)	1261.15 (1106.58, 1435.04)	60249.63 (52771.31, 69008.69)	747.08 (654.35, 855.69)	-1.56 (-1.67, -1.46)

location	Number in 1990 (95% UI)	Rate in 1990 (95% UI)	Number in 2021 (95% UI)	Rate in 2021 (95% UI)	EAPC in ASIR between 1990 and 2021
Sudan	73262.11 (63114.12, 82972.25)	961.38 (828.21, 1088.80)	111039.38 (96548.19, 126783.77)	600.68 (522.29, 685.85)	-1.26 (-1.39, -1.13)
Suriname	1311.28 (1133.11, 1492.59)	805.23 (695.82, 916.57)	1042.57 (910.85, 1176.74)	485.70 (424.34, 548.21)	-1.26 (-1.46, -1.06)
Sweden	9489.67 (8006.34, 10991.99)	323.28 (272.75, 374.46)	8209.84 (6871.94, 9796.70)	253.27 (212.00, 302.23)	-0.22 (-0.41, -0.03)
Switzerland	4506.34 (3735.07, 5382.20)	171.02 (141.75, 204.26)	3168.21 (2610.12, 3780.52)	114.11 (94.01, 136.16)	-0.93 (-1.07, -0.79)
Syrian Arab Republic	43036.32 (36817.58, 49363.95)	897.07 (767.44, 1028.96)	32266.88 (27897.61, 36892.25)	634.40 (548.50, 725.34)	-0.62 (-0.82, -0.43)
Taiwan (Province of China)	91695.34 (78269.23, 106852.33)	993.83 (848.31, 1158.10)	50133.75 (42906.90, 57820.38)	664.48 (568.70, 766.36)	-1.02 (-1.15, -0.90)
Tajikistan	34997.25 (31212.83, 38945.04)	1654.98 (1476.02, 1841.67)	40574.46 (35967.96, 45354.26)	972.74 (862.30, 1087.33)	-1.86 (-2.09, -1.63)
Thailand	298037.61 (256933.24, 338880.00)	1149.30 (990.79, 1306.80)	209718.71 (184160.02, 234809.26)	989.25 (868.69, 1107.61)	-0.28 (-0.42, -0.14)
Timor-Leste	5490.14 (4738.57, 6229.64)	1724.84 (1488.72, 1957.17)	5417.43 (4737.55, 6091.28)	948.20 (829.20, 1066.14)	-1.90 (-2.04, -1.76)
Togo	41152.44 (36254.45, 46335.24)	3001.90 (2644.62, 3379.97)	94612.11 (83357.95, 108010.60)	2812.05 (2477.56, 3210.28)	0.28 (0.05, 0.52)
Tokelau	11.13 (9.81, 12.57)	1918.88 (1690.93, 2166.10)	5.63 (4.96, 6.40)	1138.19 (1003.35, 1294.55)	-1.09 (-1.27, -0.92)
Tonga	611.54 (536.81, 695.45)	1657.43 (1454.89, 1884.87)	458.13 (410.39, 511.25)	1177.79 (1055.06, 1314.36)	-0.46 (-0.60, -0.33)
Trinidad and Tobago	5178.01 (4606.34, 5924.96)	1032.82 (918.79, 1181.81)	2494.06 (2199.84, 2837.86)	501.04 (441.93, 570.11)	-1.86 (-2.10, -1.61)
Tunisia	31074.30 (26544.71, 36027.65)	903.38 (771.69, 1047.38)	29330.25 (25388.87, 33896.84)	673.99 (583.42, 778.92)	-0.68 (-0.78, -0.58)
Turkey	213472.61 (182189.71, 245852.71)	892.49 (761.70, 1027.86)	164653.28 (139329.42, 191293.06)	516.81 (437.32, 600.42)	-1.46 (-1.57, -1.35)
Turkmenistan	17880.42 (16115.54, 19914.12)	1164.81 (1049.84, 1297.29)	15128.66 (13333.26, 17108.21)	727.39 (641.06, 822.56)	-1.43 (-1.55, -1.32)
Tuvalu	91.31 (80.71, 103.67)	2530.03 (2236.35, 2872.62)	71.23 (62.70, 80.20)	1433.46 (1261.90, 1613.97)	-1.27 (-1.41, -1.12)
Uganda	221859.32 (190118.83, 253918.54)	3458.82 (2963.98, 3958.63)	436263.89 (385429.48, 502489.67)	2536.63 (2241.06, 2921.70)	-1.25 (-1.57, -0.92)
Ukraine	146907.48 (130990.83, 165467.53)	773.42 (689.63, 871.14)	110842.82 (99847.37, 124850.76)	804.08 (724.32, 905.70)	0.08 (-0.11, 0.26)
United Arab Emirates	6474.59 (5528.45, 7527.17)	677.32 (578.35, 787.44)	19673.82 (16819.24, 22656.94)	489.72 (418.66, 563.97)	-0.54 (-0.67, -0.42)
United Kingdom	54923.57 (47061.81, 62965.36)	262.79 (225.18, 301.27)	39091.66 (33399.14, 44754.86)	179.72 (153.55, 205.75)	-0.57 (-0.71, -0.43)
United Republic of Tanzania	327753.15 (288484.63, 370751.05)	3382.76 (2977.47, 3826.55)	594146.53 (530685.82, 668406.21)	2546.32 (2274.35, 2864.57)	-0.70 (-0.91, -0.49)
United States of America	521284.65 (449694.20, 598585.59)	510.21 (440.14, 585.87)	331331.46 (291631.80, 370987.47)	297.69 (262.02, 333.32)	-1.59 (-1.76, -1.41)
United States Virgin Islands	285.95 (245.82, 328.12)	721.87 (620.55, 828.31)	85.23 (73.32, 99.57)	368.50 (317.02, 430.54)	-1.77 (-2.07, -1.47)
Uruguay	6910.77 (5893.80, 8004.33)	608.44 (518.90, 704.72)	4396.30 (3813.05, 5083.31)	367.51 (318.75, 424.94)	-1.38 (-1.61, -1.14)
Uzbekistan	107689.78 (95999.85, 120625.88)	1254.62 (1118.43, 1405.33)	113395.51 (103148.44, 125934.27)	825.47 (750.87, 916.74)	-1.02 (-1.24, -0.81)
Vanuatu	1182.15 (1036.61, 1344.88)	2017.96 (1769.51, 2295.74)	1855.49 (1627.16, 2096.56)	1488.69 (1305.50, 1682.11)	-0.56 (-0.66, -0.47)
Venezuela (Bolivarian Republic of)	45532.72 (40307.16, 51752.86)	568.51 (503.26, 646.17)	31992.10 (28308.79, 36019.05)	341.70 (302.36, 384.71)	-1.23 (-1.49, -0.97)
Viet Nam	288179.79 (249632.23, 329501.34)	1010.53 (875.36, 1155.43)	247981.51 (217311.85, 281485.23)	645.95 (566.06, 733.22)	-1.17 (-1.27, -1.07)
Yemen	47279.21 (40703.43, 55386.44)	1028.51 (885.46, 1204.87)	98222.29 (86540.92, 112911.98)	713.84 (628.95, 820.60)	-0.85 (-0.97, -0.72)
Zambia	103823.47 (91786.16, 116787.83)	3421.71 (3025.00, 3848.98)	179950.36 (157066.13, 204061.25)	2223.56 (1940.79, 2521.49)	-1.61 (-1.84, -1.37)
Zimbabwe	125311.44 (111413.60, 142284.73)	3160.74 (2810.19, 3588.86)	167658.14 (149246.27, 190492.65)	2645.44 (2354.92, 3005.74)	0.01 (-0.34, 0.36)

**Abbreviation:** EAPC, estimated annual percentage change; ASIR, age-standardized rates for incidence; UI, uncertainty interval; SDI, socio-demographic index; GBD, global burden of disease.

**Supplementary Table SVIII.** Tracheal, bronchus, and lung cancer incidence in 1990 and 2021 in adolescents and young adults and EAPC in ASIR by location

location	Number in 1990 (95% UI)	Rate in 1990 (95% UI)	Number in 2021 (95% UI)	Rate in 2021 (95% UI)	EAPC in ASIR between 1990 and 2021
Global	26790.94 (24818.94, 28904.73)	1.22 (1.13, 1.32)	28004.13 (25166.83, 30773.21)	0.94 (0.85, 1.03)	-1.20 (-1.35, -1.06)
SDI regions					
High SDI	5320.72 (5179.42, 5474.50)	1.53 (1.49, 1.58)	3298.32 (3127.79, 3498.57)	0.93 (0.89, 0.99)	-1.81 (-1.92, -1.70)
High-middle SDI	9485.98 (8544.53, 10448.91)	2.10 (1.89, 2.31)	8042.45 (6847.06, 9347.33)	1.83 (1.56, 2.12)	-0.99 (-1.19, -0.80)
Middle SDI	9461.34 (8499.68, 10532.93)	1.26 (1.13, 1.40)	11236.32 (9644.94, 12743.26)	1.21 (1.04, 1.37)	-0.53 (-0.73, -0.32)
Low-middle SDI	2074.24 (1858.04, 2332.57)	0.46 (0.41, 0.51)	4272.94 (3842.42, 4865.48)	0.53 (0.48, 0.61)	0.46 (0.39, 0.52)
Low SDI	421.77 (350.56, 522.90)	0.23 (0.19, 0.28)	1133.78 (930.37, 1383.79)	0.25 (0.21, 0.31)	0.37 (0.33, 0.41)
GBD regions					
Central Asia	512.55 (478.80, 543.69)	1.80 (1.68, 1.91)	318.65 (281.87, 362.27)	0.85 (0.75, 0.97)	-2.95 (-3.16, -2.74)
East Asia	12123.75 (10375.91, 13936.43)	2.14 (1.83, 2.46)	12657.40 (10219.16, 15233.05)	2.64 (2.13, 3.18)	0.05 (-0.24, 0.34)
South Asia	1498.69 (1308.94, 1755.53)	0.35 (0.30, 0.41)	3406.39 (2977.08, 3944.63)	0.43 (0.38, 0.50)	0.66 (0.52, 0.80)
Southeast Asia	1764.31 (1539.17, 1964.41)	0.90 (0.78, 1.00)	3117.04 (2527.01, 3750.76)	1.12 (0.91, 1.35)	0.40 (0.15, 0.65)
High-income Asia Pacific	892.84 (834.86, 963.96)	1.32 (1.24, 1.43)	447.20 (397.25, 517.85)	0.88 (0.79, 1.02)	-0.93 (-1.32, -0.54)
Oceania	19.07 (13.08, 28.71)	0.72 (0.49, 1.08)	49.24 (35.76, 70.30)	0.87 (0.63, 1.25)	0.57 (0.48, 0.66)
Australasia	73.37 (64.18, 83.41)	0.90 (0.79, 1.02)	81.48 (68.50, 98.54)	0.78 (0.65, 0.94)	-0.48 (-0.88, -0.08)
Central Europe	990.34 (936.26, 1049.02)	2.11 (2.00, 2.24)	400.00 (362.03, 435.03)	1.14 (1.03, 1.24)	-1.99 (-2.30, -1.69)
Eastern Europe	1734.41 (1672.10, 1814.80)	2.02 (1.95, 2.12)	747.93 (672.80, 824.94)	1.13 (1.02, 1.25)	-2.35 (-2.63, -2.07)
Western Europe	2146.04 (2037.99, 2250.00)	1.49 (1.41, 1.56)	1276.64 (1189.22, 1376.18)	0.98 (0.92, 1.06)	-1.33 (-1.49, -1.16)
Andean Latin America	135.37 (117.11, 159.95)	0.88 (0.76, 1.03)	195.71 (151.40, 240.48)	0.72 (0.56, 0.89)	-0.80 (-1.04, -0.57)
Central Latin America	513.22 (495.91, 531.79)	0.75 (0.73, 0.78)	560.78 (494.80, 630.53)	0.55 (0.49, 0.62)	-1.01 (-1.11, -0.92)
High-income North America	1860.91 (1809.71, 1912.07)	1.64 (1.60, 1.69)	842.92 (810.22, 877.66)	0.68 (0.66, 0.71)	-3.46 (-3.72, -3.19)
Southern Latin America	272.85 (243.76, 302.31)	1.43 (1.28, 1.58)	210.38 (183.35, 242.89)	0.82 (0.71, 0.94)	-1.73 (-1.98, -1.48)
Tropical Latin America	476.74 (454.07, 501.87)	0.74 (0.71, 0.78)	637.17 (602.28, 677.32)	0.72 (0.68, 0.77)	-0.17 (-0.27, -0.07)
Caribbean	139.82 (127.86, 151.74)	0.94 (0.86, 1.02)	139.07 (117.18, 163.98)	0.76 (0.64, 0.90)	-0.77 (-0.88, -0.66)
Central Sub-Saharan Africa	60.59 (42.07, 87.06)	0.29 (0.20, 0.42)	156.04 (105.93, 238.03)	0.29 (0.20, 0.44)	0.01 (-0.22, 0.24)
Eastern Sub-Saharan Africa	145.82 (124.34, 176.37)	0.21 (0.18, 0.25)	379.20 (307.10, 484.00)	0.22 (0.18, 0.28)	0.10 (-0.05, 0.24)
North Africa and Middle East	1134.01 (923.04, 1347.05)	0.85 (0.69, 1.01)	1867.88 (1623.82, 2165.36)	0.73 (0.64, 0.85)	-0.33 (-0.55, -0.11)
Southern Sub-Saharan Africa	214.03 (181.17, 247.88)	0.99 (0.84, 1.15)	254.18 (212.68, 304.87)	0.75 (0.62, 0.90)	-1.29 (-1.77, -0.80)
Western Sub-Saharan Africa	82.21 (67.10, 100.40)	0.11 (0.09, 0.14)	258.83 (191.30, 340.66)	0.14 (0.10, 0.18)	0.73 (0.60, 0.86)
Countries					
Afghanistan	14.16 (7.27, 22.89)	0.45 (0.23, 0.73)	77.04 (49.19, 109.96)	0.63 (0.40, 0.90)	2.07 (1.58, 2.56)
Albania	13.89 (9.98, 18.92)	0.98 (0.70, 1.33)	9.59 (6.22, 13.41)	1.01 (0.66, 1.41)	-0.38 (-0.75, -0.00)

location	Number in 1990 (95% UI)	Rate in 1990 (95% UI)	Number in 2021 (95% UI)	Rate in 2021 (95% UI)	EAPC in ASIR between 1990 and 2021
Algeria	26.57 (20.41, 34.05)	0.26 (0.20, 0.34)	47.57 (34.05, 66.17)	0.28 (0.20, 0.39)	-0.00 (-0.20, 0.20)
American Samoa	0.27 (0.20, 0.36)	1.32 (0.99, 1.79)	0.26 (0.18, 0.34)	1.49 (1.03, 1.97)	0.50 (0.38, 0.63)
Andorra	0.35 (0.24, 0.51)	1.39 (0.94, 2.02)	0.27 (0.17, 0.40)	1.07 (0.67, 1.58)	-0.41 (-0.84, 0.01)
Angola	14.03 (9.00, 20.49)	0.36 (0.23, 0.52)	45.44 (30.86, 63.90)	0.37 (0.25, 0.53)	0.47 (0.25, 0.70)
Antigua and Barbuda	0.11 (0.10, 0.12)	0.42 (0.37, 0.47)	0.09 (0.08, 0.10)	0.27 (0.23, 0.30)	-0.06 (-0.64, 0.52)
Argentina	204.71 (180.21, 232.82)	1.68 (1.48, 1.91)	145.79 (124.27, 170.44)	0.83 (0.71, 0.97)	-2.14 (-2.43, -1.86)
Armenia	38.47 (35.38, 41.55)	2.68 (2.46, 2.89)	11.28 (10.01, 12.63)	1.05 (0.93, 1.17)	-3.85 (-4.28, -3.41)
Australia	62.78 (54.00, 73.03)	0.93 (0.80, 1.08)	67.80 (55.30, 84.30)	0.78 (0.64, 0.97)	-0.42 (-0.84, -0.00)
Austria	35.24 (30.65, 40.29)	1.17 (1.02, 1.34)	23.45 (19.22, 28.43)	0.83 (0.68, 1.01)	-1.18 (-1.53, -0.83)
Azerbaijan	54.06 (44.16, 65.85)	1.70 (1.39, 2.07)	47.19 (32.70, 65.09)	1.11 (0.77, 1.54)	-2.46 (-2.95, -1.98)
Bahamas	0.93 (0.83, 1.02)	0.78 (0.71, 0.87)	1.62 (1.27, 2.07)	1.05 (0.82, 1.34)	0.68 (0.38, 0.98)
Bahrain	2.50 (1.99, 3.17)	0.98 (0.77, 1.23)	6.25 (4.79, 8.17)	0.89 (0.68, 1.16)	-0.59 (-0.91, -0.27)
Bangladesh	119.36 (77.68, 191.84)	0.28 (0.18, 0.45)	219.13 (146.40, 376.80)	0.32 (0.21, 0.55)	0.15 (-0.09, 0.38)
Barbados	0.54 (0.49, 0.60)	0.50 (0.45, 0.55)	0.43 (0.34, 0.56)	0.44 (0.35, 0.57)	-0.42 (-0.74, -0.10)
Belarus	59.31 (49.42, 70.26)	1.50 (1.25, 1.78)	28.05 (20.57, 36.10)	0.96 (0.70, 1.23)	-2.79 (-3.18, -2.40)
Belgium	68.94 (59.13, 79.49)	1.85 (1.59, 2.14)	40.42 (34.53, 47.45)	1.15 (0.99, 1.35)	-1.64 (-1.86, -1.41)
Belize	0.27 (0.24, 0.29)	0.36 (0.33, 0.40)	1.06 (0.91, 1.22)	0.56 (0.48, 0.65)	1.59 (1.03, 2.16)
Benin	3.24 (2.25, 4.42)	0.19 (0.13, 0.26)	11.59 (7.03, 17.59)	0.22 (0.13, 0.34)	0.65 (0.48, 0.82)
Bermuda	0.41 (0.34, 0.51)	1.61 (1.31, 1.97)	0.23 (0.16, 0.30)	1.30 (0.94, 1.74)	-0.51 (-0.63, -0.38)
Bhutan	0.58 (0.32, 0.88)	0.21 (0.12, 0.33)	1.12 (0.68, 1.73)	0.32 (0.20, 0.50)	1.08 (1.00, 1.16)
Bolivia (Plurinational State of)	18.17 (13.48, 23.97)	0.74 (0.55, 0.97)	30.76 (20.49, 43.78)	0.63 (0.42, 0.89)	-0.86 (-1.17, -0.55)
Bosnia and Herzegovina	30.35 (22.73, 39.58)	1.60 (1.20, 2.08)	11.47 (7.41, 16.25)	1.14 (0.74, 1.61)	-1.46 (-1.75, -1.16)
Botswana	2.33 (1.49, 3.52)	0.45 (0.29, 0.68)	5.78 (3.66, 8.44)	0.54 (0.34, 0.79)	0.33 (0.09, 0.56)
Brazil	470.52 (448.15, 495.41)	0.75 (0.71, 0.79)	621.67 (587.02, 662.51)	0.73 (0.69, 0.78)	-0.18 (-0.28, -0.07)
Brunei Darussalam	1.80 (1.26, 2.61)	1.46 (1.02, 2.12)	2.66 (1.95, 3.56)	1.30 (0.95, 1.74)	-0.46 (-0.76, -0.16)
Bulgaria	68.51 (56.67, 82.18)	2.30 (1.90, 2.76)	34.57 (26.81, 43.91)	1.82 (1.41, 2.31)	0.20 (-0.38, 0.78)
Burkina Faso	5.13 (3.36, 8.11)	0.16 (0.11, 0.25)	18.22 (11.73, 29.00)	0.21 (0.14, 0.34)	1.29 (1.00, 1.58)
Burundi	5.05 (3.50, 6.97)	0.24 (0.17, 0.34)	10.63 (6.74, 16.49)	0.20 (0.13, 0.31)	-1.15 (-1.63, -0.68)
Cabo Verde	1.20 (0.95, 1.54)	0.92 (0.73, 1.18)	2.07 (1.52, 3.01)	0.83 (0.61, 1.20)	-0.20 (-0.42, 0.03)
Cambodia	33.18 (23.83, 44.74)	0.86 (0.62, 1.16)	78.59 (51.77, 119.31)	1.09 (0.71, 1.65)	0.40 (0.25, 0.56)
Cameroon	9.91 (7.38, 12.90)	0.26 (0.19, 0.34)	44.23 (27.26, 64.17)	0.34 (0.21, 0.50)	1.13 (1.00, 1.25)
Canada	182.01 (163.04, 200.16)	1.64 (1.47, 1.80)	94.92 (83.07, 108.73)	0.80 (0.70, 0.92)	-3.49 (-3.95, -3.03)
Central African Republic	3.57 (2.15, 6.25)	0.34 (0.21, 0.60)	7.20 (3.82, 13.97)	0.33 (0.17, 0.64)	-0.32 (-0.44, -0.20)
Chad	3.00 (2.03, 4.43)	0.14 (0.10, 0.21)	13.00 (8.74, 18.78)	0.21 (0.14, 0.30)	1.67 (1.52, 1.82)
Chile	46.27 (39.92, 53.34)	0.81 (0.70, 0.93)	45.52 (37.98, 54.93)	0.64 (0.54, 0.78)	-0.78 (-0.92, -0.65)

location	Number in 1990 (95% UI)	Rate in 1990 (95% UI)	Number in 2021 (95% UI)	Rate in 2021 (95% UI)	EAPC in ASIR between 1990 and 2021
China	11846.94 (10090.87, 13672.18)	2.16 (1.84, 2.49)	12363.83 (9893.63, 14987.27)	2.68 (2.14, 3.25)	0.05 (-0.24, 0.35)
Colombia	125.59 (114.65, 138.83)	0.89 (0.82, 0.99)	110.07 (90.23, 130.45)	0.55 (0.45, 0.65)	-1.52 (-1.72, -1.32)
Comoros	0.39 (0.21, 0.59)	0.22 (0.12, 0.34)	0.96 (0.64, 1.38)	0.31 (0.21, 0.45)	0.62 (0.16, 1.07)
Congo	4.57 (2.96, 6.48)	0.48 (0.31, 0.68)	11.35 (7.21, 17.28)	0.51 (0.33, 0.78)	0.24 (0.02, 0.45)
Cook Islands	0.10 (0.07, 0.14)	1.29 (0.90, 1.83)	0.08 (0.05, 0.12)	1.34 (0.86, 2.03)	0.48 (0.28, 0.67)
Costa Rica	5.14 (4.46, 5.87)	0.40 (0.35, 0.46)	9.20 (7.72, 11.11)	0.48 (0.41, 0.58)	0.16 (-0.10, 0.41)
Coted'Ivoire	5.15 (3.86, 7.01)	0.11 (0.08, 0.15)	15.59 (9.71, 23.56)	0.14 (0.09, 0.21)	0.84 (0.71, 0.98)
Croatia	36.85 (30.82, 43.17)	2.03 (1.70, 2.38)	15.40 (11.95, 19.44)	1.23 (0.96, 1.56)	-1.64 (-2.04, -1.23)
Cuba	74.76 (66.37, 83.54)	1.53 (1.36, 1.71)	38.61 (31.94, 46.10)	1.08 (0.89, 1.29)	-1.59 (-1.89, -1.30)
Cyprus	1.35 (0.93, 1.84)	0.44 (0.30, 0.60)	3.05 (2.15, 4.07)	0.61 (0.43, 0.81)	1.03 (0.60, 1.47)
Czechia	64.17 (53.73, 77.02)	1.73 (1.45, 2.08)	32.95 (26.73, 40.03)	1.12 (0.91, 1.36)	-0.57 (-1.11, -0.04)
Democratic People's Republic of Korea	131.35 (86.21, 200.76)	1.57 (1.03, 2.41)	183.69 (100.59, 321.12)	1.83 (1.00, 3.19)	0.17 (-0.02, 0.35)
Democratic Republic of the Congo	35.97 (22.71, 56.53)	0.25 (0.16, 0.39)	84.96 (50.10, 149.77)	0.24 (0.14, 0.42)	-0.25 (-0.62, 0.13)
Denmark	28.78 (25.89, 31.96)	1.51 (1.36, 1.68)	16.29 (13.78, 19.13)	0.89 (0.76, 1.05)	-1.81 (-2.09, -1.54)
Djibouti	0.37 (0.25, 0.54)	0.21 (0.14, 0.31)	1.93 (1.17, 3.07)	0.36 (0.22, 0.57)	1.77 (1.57, 1.98)
Dominica	0.13 (0.11, 0.16)	0.45 (0.37, 0.54)	0.19 (0.14, 0.27)	0.75 (0.54, 1.02)	1.82 (1.70, 1.94)
Dominican Republic	19.23 (15.52, 24.10)	0.63 (0.51, 0.78)	41.57 (28.20, 54.52)	0.91 (0.62, 1.20)	1.87 (1.61, 2.12)
Ecuador	27.85 (24.70, 30.91)	0.67 (0.60, 0.75)	43.20 (33.34, 55.37)	0.59 (0.46, 0.76)	-0.61 (-1.04, -0.17)
Egypt	145.49 (118.58, 177.13)	0.66 (0.54, 0.81)	417.40 (319.06, 548.81)	0.99 (0.76, 1.30)	1.85 (1.45, 2.25)
El Salvador	11.80 (10.12, 13.62)	0.56 (0.48, 0.65)	16.37 (12.69, 21.02)	0.63 (0.49, 0.81)	0.39 (0.17, 0.60)
Equatorial Guinea	0.53 (0.33, 0.86)	0.35 (0.22, 0.57)	3.31 (1.94, 5.29)	0.48 (0.28, 0.76)	1.29 (1.13, 1.46)
Eritrea	3.12 (2.20, 4.42)	0.24 (0.17, 0.34)	10.33 (6.53, 15.25)	0.37 (0.23, 0.54)	1.36 (1.19, 1.53)
Estonia	9.88 (8.25, 11.71)	1.74 (1.45, 2.06)	2.87 (2.18, 3.60)	0.73 (0.55, 0.91)	-3.57 (-3.93, -3.20)
Eswatini	1.13 (0.67, 1.92)	0.38 (0.22, 0.64)	3.95 (2.06, 6.28)	0.78 (0.40, 1.23)	2.67 (2.08, 3.27)
Ethiopia	61.00 (44.48, 79.03)	0.33 (0.24, 0.43)	109.43 (87.52, 134.75)	0.24 (0.19, 0.29)	-1.37 (-1.68, -1.06)
Fiji	1.52 (1.11, 2.06)	0.47 (0.35, 0.64)	1.64 (1.13, 2.34)	0.46 (0.32, 0.66)	-0.07 (-0.52, 0.39)
Finland	21.92 (18.71, 25.75)	1.21 (1.03, 1.42)	15.38 (12.47, 18.78)	0.92 (0.75, 1.13)	-0.69 (-0.92, -0.46)
France	425.33 (368.86, 493.73)	1.93 (1.68, 2.24)	354.34 (299.85, 419.31)	1.78 (1.51, 2.11)	-0.05 (-0.18, 0.07)
Gabon	1.93 (1.22, 2.91)	0.50 (0.32, 0.76)	3.77 (2.28, 5.81)	0.50 (0.30, 0.78)	-0.18 (-0.33, -0.02)
Gambia	0.30 (0.21, 0.41)	0.08 (0.06, 0.11)	0.99 (0.63, 1.46)	0.10 (0.06, 0.15)	0.41 (0.16, 0.66)
Georgia	51.63 (44.35, 59.13)	2.42 (2.08, 2.78)	14.19 (12.04, 16.61)	1.25 (1.06, 1.46)	-2.30 (-2.64, -1.97)
Germany	457.87 (392.93, 524.16)	1.54 (1.32, 1.76)	201.79 (168.85, 237.04)	0.80 (0.67, 0.94)	-2.26 (-2.53, -1.99)
Ghana	12.52 (8.74, 16.88)	0.22 (0.15, 0.29)	25.59 (17.80, 36.50)	0.18 (0.12, 0.26)	-1.15 (-1.54, -0.76)
Greece	72.90 (65.20, 80.63)	1.94 (1.73, 2.14)	33.92 (30.28, 38.19)	1.22 (1.09, 1.37)	-1.40 (-1.61, -1.20)
Greenland	1.06 (0.76, 1.40)	4.00 (2.88, 5.31)	0.33 (0.21, 0.46)	1.62 (1.01, 2.27)	-3.82 (-4.21, -3.43)

location	Number in 1990 (95% UI)	Rate in 1990 (95% UI)	Number in 2021 (95% UI)	Rate in 2021 (95% UI)	EAPC in ASIR between 1990 and 2021
Grenada	0.24 (0.20, 0.28)	0.71 (0.59, 0.84)	0.21 (0.17, 0.26)	0.51 (0.41, 0.64)	-0.54 (-0.83, -0.24)
Guam	1.01 (0.87, 1.15)	1.59 (1.37, 1.81)	1.10 (0.94, 1.28)	1.98 (1.69, 2.31)	0.90 (0.65, 1.15)
Guatemala	21.40 (19.98, 22.95)	0.72 (0.68, 0.78)	29.23 (25.12, 34.03)	0.43 (0.37, 0.50)	-2.03 (-2.29, -1.78)
Guinea	4.56 (3.30, 6.08)	0.22 (0.16, 0.30)	14.63 (9.23, 21.29)	0.28 (0.18, 0.41)	0.80 (0.76, 0.85)
Guinea-Bissau	1.13 (0.80, 1.56)	0.30 (0.22, 0.42)	3.34 (2.25, 4.73)	0.40 (0.27, 0.56)	1.14 (0.91, 1.37)
Guyana	0.99 (0.79, 1.19)	0.29 (0.23, 0.35)	1.28 (0.91, 1.73)	0.41 (0.29, 0.56)	1.30 (0.70, 1.89)
Haiti	13.80 (8.48, 18.66)	0.57 (0.35, 0.77)	26.87 (17.18, 40.32)	0.49 (0.31, 0.73)	-0.19 (-0.48, 0.10)
Honduras	14.70 (11.58, 18.62)	0.85 (0.67, 1.08)	29.98 (15.52, 49.21)	0.68 (0.35, 1.12)	-1.20 (-1.46, -0.95)
Hungary	138.51 (116.81, 163.62)	3.75 (3.16, 4.43)	36.03 (27.50, 45.93)	1.31 (1.00, 1.67)	-3.67 (-4.00, -3.34)
Iceland	1.22 (1.05, 1.42)	1.18 (1.01, 1.37)	1.78 (1.46, 2.18)	1.49 (1.22, 1.82)	1.40 (1.01, 1.79)
India	1198.37 (1033.38, 1401.27)	0.35 (0.30, 0.41)	2584.81 (2232.42, 2982.89)	0.42 (0.37, 0.49)	0.62 (0.47, 0.78)
Indonesia	676.18 (510.93, 825.96)	0.87 (0.65, 1.06)	1286.20 (896.18, 1783.84)	1.13 (0.79, 1.57)	0.84 (0.67, 1.01)
Iran (Islamic Republic of)	148.07 (118.69, 174.84)	0.68 (0.55, 0.81)	329.50 (296.53, 371.16)	0.95 (0.85, 1.07)	1.32 (1.10, 1.54)
Iraq	35.62 (24.74, 50.97)	0.50 (0.34, 0.71)	87.56 (61.18, 128.26)	0.50 (0.35, 0.74)	0.60 (0.28, 0.92)
Ireland	14.37 (12.13, 16.66)	1.05 (0.88, 1.21)	18.29 (14.90, 22.20)	1.17 (0.95, 1.42)	1.23 (0.92, 1.54)
Israel	14.48 (12.15, 16.97)	0.76 (0.64, 0.89)	18.64 (15.50, 22.11)	0.56 (0.47, 0.67)	-0.80 (-1.05, -0.55)
Italy	282.79 (265.59, 302.22)	1.32 (1.24, 1.42)	131.52 (119.22, 144.92)	0.83 (0.75, 0.92)	-1.37 (-1.69, -1.06)
Jamaica	4.90 (4.00, 5.95)	0.50 (0.41, 0.61)	8.09 (5.73, 11.12)	0.68 (0.48, 0.93)	-0.40 (-0.99, 0.19)
Japan	557.92 (534.68, 585.55)	1.24 (1.19, 1.31)	259.28 (231.51, 295.78)	0.80 (0.71, 0.91)	-0.59 (-1.20, 0.03)
Jordan	6.58 (4.93, 8.49)	0.43 (0.32, 0.55)	24.85 (17.93, 34.38)	0.46 (0.33, 0.64)	0.58 (0.38, 0.77)
Kazakhstan	184.82 (169.56, 201.34)	2.72 (2.50, 2.97)	62.61 (56.30, 69.07)	0.90 (0.81, 0.99)	-4.00 (-4.29, -3.72)
Kenya	5.41 (3.60, 8.06)	0.06 (0.04, 0.09)	23.56 (17.27, 32.87)	0.11 (0.08, 0.15)	2.03 (1.83, 2.23)
Kiribati	0.27 (0.20, 0.36)	0.88 (0.66, 1.19)	0.60 (0.40, 0.84)	1.21 (0.80, 1.69)	0.79 (0.62, 0.96)
Kuwait	2.96 (2.45, 3.56)	0.35 (0.29, 0.42)	9.46 (7.40, 12.06)	0.45 (0.35, 0.57)	-0.94 (-1.58, -0.30)
Kyrgyzstan	32.54 (27.81, 37.64)	1.80 (1.54, 2.09)	21.03 (16.43, 26.52)	0.77 (0.60, 0.97)	-3.05 (-3.33, -2.78)
Lao People's Democratic Republic	14.63 (9.13, 22.25)	0.95 (0.59, 1.44)	34.15 (22.12, 52.32)	1.06 (0.69, 1.63)	0.16 (0.04, 0.28)
Latvia	14.39 (12.50, 16.58)	1.51 (1.31, 1.74)	5.10 (4.04, 6.16)	0.95 (0.75, 1.14)	-2.48 (-2.80, -2.16)
Lebanon	9.06 (6.34, 12.30)	0.79 (0.55, 1.07)	17.73 (12.46, 24.58)	0.76 (0.54, 1.06)	0.24 (-0.03, 0.51)
Lesotho	1.32 (0.87, 2.12)	0.25 (0.16, 0.39)	5.99 (3.72, 8.96)	0.72 (0.45, 1.08)	4.55 (4.13, 4.98)
Liberia	1.83 (1.30, 2.66)	0.20 (0.14, 0.29)	5.26 (3.01, 8.93)	0.23 (0.13, 0.40)	1.31 (0.69, 1.93)
Libya	12.00 (8.13, 17.06)	0.71 (0.48, 1.02)	29.63 (19.45, 42.77)	0.99 (0.65, 1.43)	1.72 (1.41, 2.03)
Lithuania	20.74 (17.92, 23.85)	1.49 (1.29, 1.71)	7.30 (5.87, 8.83)	0.91 (0.73, 1.10)	-1.89 (-2.14, -1.64)
Luxembourg	2.56 (2.32, 2.85)	1.74 (1.57, 1.93)	1.73 (1.47, 1.99)	0.78 (0.67, 0.90)	-2.94 (-3.29, -2.58)
Madagascar	9.95 (7.41, 12.66)	0.22 (0.16, 0.28)	26.89 (19.06, 38.42)	0.23 (0.16, 0.33)	0.18 (0.05, 0.30)
Malawi	2.23 (1.67, 3.14)	0.06 (0.04, 0.08)	6.63 (4.56, 9.38)	0.08 (0.06, 0.11)	1.08 (0.87, 1.29)

location	Number in 1990 (95% UI)	Rate in 1990 (95% UI)	Number in 2021 (95% UI)	Rate in 2021 (95% UI)	EAPC in ASIR between 1990 and 2021
Malaysia	38.33 (30.14, 47.72)	0.52 (0.41, 0.64)	97.58 (75.49, 120.89)	0.70 (0.54, 0.87)	0.50 (0.27, 0.74)
Maldives	0.41 (0.24, 0.59)	0.50 (0.29, 0.73)	1.22 (0.87, 1.62)	0.47 (0.33, 0.62)	-0.55 (-0.84, -0.26)
Mali	4.18 (3.16, 5.50)	0.14 (0.11, 0.18)	12.95 (8.97, 18.03)	0.15 (0.10, 0.20)	0.30 (0.18, 0.41)
Malta	0.97 (0.82, 1.14)	0.70 (0.60, 0.83)	0.98 (0.80, 1.19)	0.73 (0.60, 0.89)	0.75 (0.23, 1.28)
Marshall Islands	0.20 (0.13, 0.30)	1.19 (0.78, 1.76)	0.41 (0.25, 0.62)	1.74 (1.04, 2.62)	1.54 (1.42, 1.66)
Mauritania	1.87 (1.28, 2.59)	0.24 (0.17, 0.34)	4.07 (2.83, 5.96)	0.24 (0.17, 0.35)	0.10 (-0.07, 0.27)
Mauritius	3.53 (3.19, 3.91)	0.71 (0.64, 0.79)	3.08 (2.69, 3.41)	0.68 (0.59, 0.75)	-0.60 (-0.84, -0.36)
Mexico	239.90 (232.59, 247.70)	0.67 (0.65, 0.69)	251.80 (226.90, 277.80)	0.49 (0.44, 0.54)	-1.12 (-1.26, -0.97)
Micronesia (Federated States of)	0.55 (0.36, 0.80)	1.38 (0.91, 2.00)	0.71 (0.44, 1.05)	1.68 (1.04, 2.48)	0.80 (0.73, 0.88)
Monaco	0.26 (0.19, 0.36)	2.89 (2.09, 3.95)	0.44 (0.27, 0.67)	4.71 (2.89, 7.15)	1.38 (0.77, 2.00)
Mongolia	10.66 (6.68, 15.52)	1.21 (0.76, 1.76)	16.92 (10.76, 24.79)	1.34 (0.85, 1.96)	-0.43 (-0.76, -0.10)
Montenegro	5.52 (4.20, 7.07)	2.20 (1.67, 2.82)	3.71 (2.64, 5.00)	1.80 (1.28, 2.43)	-0.54 (-0.78, -0.29)
Morocco	28.94 (21.11, 39.42)	0.28 (0.20, 0.38)	32.19 (21.18, 54.01)	0.22 (0.14, 0.37)	-1.00 (-1.08, -0.91)
Mozambique	3.90 (2.80, 5.19)	0.08 (0.06, 0.11)	15.07 (9.80, 21.74)	0.13 (0.08, 0.18)	2.14 (1.89, 2.40)
Myanmar	176.02 (119.39, 242.00)	1.03 (0.70, 1.41)	215.02 (147.50, 298.66)	0.96 (0.66, 1.33)	-0.32 (-0.47, -0.18)
Namibia	0.90 (0.68, 1.18)	0.16 (0.12, 0.21)	2.28 (1.42, 3.43)	0.22 (0.14, 0.33)	0.59 (0.15, 1.03)
Nauru	0.08 (0.04, 0.12)	2.01 (1.10, 2.92)	0.11 (0.06, 0.15)	2.29 (1.20, 3.12)	0.42 (0.39, 0.45)
Nepal	19.33 (12.26, 29.19)	0.26 (0.17, 0.40)	39.54 (26.07, 61.48)	0.29 (0.19, 0.46)	0.32 (0.20, 0.44)
Netherlands	91.85 (82.80, 102.95)	1.52 (1.37, 1.71)	59.28 (50.43, 69.17)	1.12 (0.96, 1.31)	-1.35 (-1.67, -1.04)
New Zealand	10.59 (9.29, 11.87)	0.77 (0.67, 0.86)	13.68 (11.67, 15.81)	0.76 (0.65, 0.88)	-0.82 (-1.22, -0.42)
Nicaragua	4.72 (3.89, 5.69)	0.32 (0.26, 0.39)	8.27 (6.30, 10.53)	0.29 (0.22, 0.37)	-0.22 (-0.39, -0.06)
Niger	3.55 (2.37, 5.55)	0.13 (0.09, 0.20)	11.03 (6.89, 19.88)	0.12 (0.08, 0.22)	0.02 (-0.11, 0.16)
Nigeria	12.04 (8.72, 16.02)	0.04 (0.03, 0.05)	37.96 (24.37, 54.61)	0.04 (0.03, 0.06)	0.83 (0.68, 0.97)
Niue	0.01 (0.01, 0.01)	1.04 (0.73, 1.51)	0.01 (0.01, 0.01)	1.47 (1.08, 2.12)	0.72 (0.56, 0.88)
North Macedonia	10.58 (8.55, 12.77)	1.33 (1.08, 1.61)	7.66 (5.63, 9.81)	1.00 (0.74, 1.28)	-1.08 (-1.33, -0.84)
Northern Mariana Islands	0.50 (0.32, 0.72)	2.15 (1.35, 3.06)	0.27 (0.20, 0.35)	1.61 (1.23, 2.13)	-1.25 (-1.56, -0.94)
Norway	11.68 (10.79, 12.62)	0.73 (0.67, 0.79)	11.09 (9.73, 12.78)	0.62 (0.55, 0.72)	-0.49 (-0.99, 0.02)
Oman	1.31 (0.88, 1.90)	0.16 (0.11, 0.23)	2.90 (2.06, 4.40)	0.13 (0.09, 0.19)	-0.39 (-0.58, -0.19)
Pakistan	161.05 (126.66, 198.62)	0.39 (0.31, 0.49)	561.79 (413.88, 732.73)	0.57 (0.42, 0.74)	0.85 (0.58, 1.12)
Palau	0.17 (0.12, 0.24)	2.42 (1.65, 3.38)	0.20 (0.15, 0.26)	3.38 (2.55, 4.42)	1.13 (1.02, 1.25)
Palestine	6.30 (4.49, 8.78)	0.82 (0.59, 1.14)	16.38 (13.02, 20.66)	0.75 (0.60, 0.95)	-0.50 (-0.77, -0.23)
Panama	5.81 (5.34, 6.36)	0.57 (0.53, 0.63)	8.38 (6.92, 10.17)	0.51 (0.42, 0.62)	-0.40 (-0.65, -0.15)
Papua New Guinea	10.68 (6.12, 18.71)	0.65 (0.37, 1.13)	34.75 (22.70, 53.64)	0.81 (0.53, 1.25)	0.65 (0.54, 0.76)
Paraguay	6.22 (5.01, 7.61)	0.40 (0.32, 0.49)	15.49 (11.41, 20.97)	0.51 (0.37, 0.69)	0.81 (0.64, 0.97)
Peru	89.35 (73.17, 111.22)	1.01 (0.82, 1.25)	121.75 (86.93, 158.01)	0.82 (0.58, 1.06)	-0.82 (-1.14, -0.49)

location	Number in 1990 (95% UI)	Rate in 1990 (95% UI)	Number in 2021 (95% UI)	Rate in 2021 (95% UI)	EAPC in ASIR between 1990 and 2021
Philippines	273.90 (246.31, 301.58)	1.06 (0.95, 1.16)	494.50 (412.49, 570.51)	1.05 (0.87, 1.21)	0.02 (-0.07, 0.10)
Poland	302.15 (290.11, 315.83)	2.09 (2.01, 2.19)	111.31 (101.04, 121.87)	0.92 (0.84, 1.01)	-3.05 (-3.52, -2.58)
Portugal	44.94 (39.15, 52.09)	1.19 (1.03, 1.38)	21.29 (17.68, 25.95)	0.72 (0.60, 0.88)	-1.66 (-2.07, -1.25)
Puerto Rico	13.69 (11.94, 15.53)	0.97 (0.84, 1.10)	7.61 (5.95, 9.73)	0.74 (0.58, 0.94)	-0.79 (-0.99, -0.58)
Qatar	1.94 (1.39, 2.70)	0.82 (0.59, 1.14)	8.57 (5.84, 12.28)	0.52 (0.35, 0.74)	-1.87 (-2.22, -1.52)
Republic of Korea	317.59 (261.82, 378.79)	1.51 (1.24, 1.80)	168.68 (127.64, 227.26)	1.05 (0.80, 1.42)	-1.54 (-1.72, -1.37)
Republic of Moldova	29.02 (26.10, 32.02)	1.67 (1.50, 1.84)	8.84 (7.43, 10.58)	0.71 (0.60, 0.85)	-2.60 (-3.05, -2.16)
Romania	183.46 (160.92, 210.54)	2.11 (1.85, 2.42)	72.16 (58.34, 87.83)	1.34 (1.08, 1.63)	-1.23 (-1.56, -0.90)
Russian Federation	1086.40 (1056.22, 1119.22)	1.87 (1.82, 1.92)	513.24 (474.46, 550.83)	1.10 (1.02, 1.19)	-1.93 (-2.27, -1.58)
Rwanda	8.87 (6.05, 12.21)	0.32 (0.22, 0.45)	14.98 (9.24, 23.76)	0.26 (0.16, 0.42)	-1.57 (-2.18, -0.96)
Saint Kitts and Nevis	0.10 (0.09, 0.11)	0.60 (0.53, 0.66)	0.06 (0.04, 0.09)	0.27 (0.18, 0.38)	-3.00 (-3.63, -2.36)
Saint Lucia	0.35 (0.32, 0.38)	0.61 (0.56, 0.67)	0.43 (0.36, 0.52)	0.66 (0.54, 0.79)	0.41 (0.15, 0.66)
Saint Vincent and the Grenadines	0.20 (0.18, 0.23)	0.44 (0.39, 0.50)	0.21 (0.17, 0.26)	0.52 (0.42, 0.63)	0.38 (0.02, 0.73)
Samoa	0.12 (0.08, 0.17)	0.18 (0.13, 0.26)	0.20 (0.13, 0.30)	0.25 (0.16, 0.38)	1.18 (1.09, 1.26)
San Marino	0.11 (0.08, 0.14)	1.19 (0.90, 1.50)	0.07 (0.04, 0.12)	0.82 (0.42, 1.29)	-0.06 (-0.71, 0.59)
Sao Tome and Principe	0.26 (0.17, 0.36)	0.60 (0.39, 0.83)	0.71 (0.41, 1.23)	0.79 (0.45, 1.35)	1.08 (0.78, 1.38)
Saudi Arabia	12.66 (8.51, 17.90)	0.19 (0.13, 0.27)	59.71 (38.64, 90.88)	0.32 (0.21, 0.49)	1.95 (1.75, 2.16)
Senegal	6.45 (4.57, 9.03)	0.23 (0.17, 0.33)	18.42 (12.66, 26.79)	0.29 (0.20, 0.42)	1.15 (0.88, 1.42)
Serbia	75.31 (50.63, 109.77)	2.10 (1.41, 3.06)	36.10 (24.23, 50.53)	1.22 (0.82, 1.70)	-1.85 (-1.97, -1.72)
Seychelles	0.28 (0.23, 0.36)	0.91 (0.73, 1.14)	0.30 (0.22, 0.39)	0.78 (0.56, 1.02)	-0.86 (-1.25, -0.47)
Sierra Leone	2.92 (1.84, 4.46)	0.18 (0.12, 0.28)	9.08 (5.60, 13.85)	0.24 (0.15, 0.37)	1.34 (1.04, 1.65)
Singapore	15.53 (13.17, 18.30)	1.03 (0.87, 1.21)	16.57 (12.89, 21.19)	0.86 (0.67, 1.10)	-1.18 (-1.56, -0.79)
Slovakia	33.10 (24.11, 43.44)	1.62 (1.18, 2.12)	17.56 (12.41, 23.97)	1.03 (0.73, 1.40)	-1.08 (-1.39, -0.77)
Slovenia	12.11 (10.36, 14.10)	1.58 (1.35, 1.84)	5.68 (4.39, 7.10)	1.00 (0.77, 1.25)	-1.45 (-1.79, -1.12)
Solomon Islands	1.58 (0.85, 2.48)	1.23 (0.66, 1.93)	4.95 (3.40, 6.68)	1.81 (1.24, 2.44)	1.34 (1.24, 1.44)
Somalia	5.12 (3.03, 8.75)	0.18 (0.10, 0.30)	13.85 (7.32, 28.25)	0.17 (0.09, 0.34)	0.35 (-0.17, 0.87)
South Africa	197.50 (165.03, 230.39)	1.26 (1.05, 1.46)	195.49 (164.95, 237.46)	0.81 (0.68, 0.98)	-2.06 (-2.59, -1.52)
South Sudan	3.90 (2.20, 5.91)	0.17 (0.10, 0.26)	8.20 (5.35, 12.39)	0.23 (0.15, 0.34)	1.16 (0.90, 1.43)
Spain	310.61 (274.25, 351.57)	2.09 (1.85, 2.37)	107.05 (91.46, 125.35)	0.86 (0.74, 1.01)	-3.21 (-3.47, -2.95)
Sri Lanka	41.80 (33.92, 50.92)	0.57 (0.46, 0.69)	39.01 (26.35, 54.05)	0.48 (0.33, 0.67)	-1.10 (-1.51, -0.69)
Sudan	34.54 (22.40, 51.87)	0.45 (0.29, 0.68)	103.59 (60.54, 164.72)	0.56 (0.33, 0.89)	0.99 (0.88, 1.11)
Suriname	1.10 (0.79, 1.39)	0.68 (0.49, 0.85)	1.77 (1.29, 2.38)	0.82 (0.60, 1.11)	0.57 (0.36, 0.77)
Sweden	19.41 (16.74, 22.61)	0.66 (0.57, 0.77)	16.34 (13.45, 19.90)	0.50 (0.41, 0.61)	-0.36 (-0.53, -0.18)
Switzerland	32.55 (28.61, 37.21)	1.24 (1.09, 1.41)	25.26 (21.06, 30.11)	0.91 (0.76, 1.08)	-1.50 (-1.84, -1.16)
Syrian Arab Republic	48.05 (35.58, 63.20)	1.00 (0.74, 1.32)	38.09 (26.36, 52.01)	0.75 (0.52, 1.02)	-0.54 (-0.82, -0.26)

location	Number in 1990 (95% UI)	Rate in 1990 (95% UI)	Number in 2021 (95% UI)	Rate in 2021 (95% UI)	EAPC in ASIR between 1990 and 2021
Taiwan (Province of China)	145.47 (132.68, 158.64)	1.58 (1.44, 1.72)	109.88 (95.17, 126.83)	1.46 (1.26, 1.68)	-0.09 (-0.40, 0.23)
Tajikistan	24.14 (17.06, 32.84)	1.14 (0.81, 1.55)	28.93 (16.77, 48.78)	0.69 (0.40, 1.17)	-2.64 (-3.31, -1.96)
Thailand	341.01 (273.18, 426.16)	1.32 (1.05, 1.64)	527.63 (396.92, 702.73)	2.49 (1.87, 3.31)	0.99 (0.24, 1.74)
Timor-Leste	1.67 (1.08, 2.49)	0.52 (0.34, 0.78)	3.08 (2.19, 4.35)	0.54 (0.38, 0.76)	-0.17 (-0.71, 0.37)
Togo	2.96 (1.95, 4.14)	0.22 (0.14, 0.30)	10.08 (5.59, 15.50)	0.30 (0.17, 0.46)	1.36 (1.25, 1.47)
Tokelau	0.01 (0.00, 0.01)	0.90 (0.58, 1.29)	0.01 (0.01, 0.01)	1.46 (1.12, 1.97)	1.27 (1.02, 1.51)
Tonga	0.30 (0.22, 0.40)	0.81 (0.60, 1.08)	0.46 (0.31, 0.70)	1.19 (0.79, 1.79)	1.36 (1.15, 1.57)
Trinidad and Tobago	2.92 (2.68, 3.21)	0.58 (0.54, 0.64)	3.67 (2.77, 4.81)	0.74 (0.56, 0.97)	0.83 (0.57, 1.10)
Tunisia	15.79 (11.91, 20.67)	0.46 (0.35, 0.60)	30.40 (20.68, 43.17)	0.70 (0.48, 0.99)	1.09 (0.96, 1.22)
Turkey	555.07 (400.21, 725.10)	2.32 (1.67, 3.03)	441.44 (332.49, 562.18)	1.39 (1.04, 1.76)	-1.81 (-2.12, -1.51)
Turkmenistan	16.38 (14.94, 17.86)	1.07 (0.97, 1.16)	16.55 (12.65, 21.62)	0.80 (0.61, 1.04)	-1.16 (-1.58, -0.73)
Tuvalu	0.04 (0.03, 0.06)	1.07 (0.71, 1.58)	0.07 (0.04, 0.10)	1.32 (0.89, 1.96)	0.56 (0.50, 0.62)
Uganda	9.09 (6.46, 12.89)	0.14 (0.10, 0.20)	41.65 (26.39, 60.61)	0.24 (0.15, 0.35)	0.96 (0.56, 1.35)
Ukraine	514.66 (453.64, 580.53)	2.71 (2.39, 3.06)	182.54 (122.93, 253.31)	1.32 (0.89, 1.84)	-3.32 (-3.71, -2.93)
United Arab Emirates	8.03 (5.32, 11.29)	0.84 (0.56, 1.18)	25.59 (17.13, 37.77)	0.64 (0.43, 0.94)	-1.17 (-1.39, -0.95)
United Kingdom	203.77 (199.30, 208.72)	0.98 (0.95, 1.00)	172.85 (167.08, 179.41)	0.79 (0.77, 0.82)	-0.30 (-0.55, -0.06)
United Republic of Tanzania	19.97 (14.58, 29.89)	0.21 (0.15, 0.31)	59.94 (40.36, 84.03)	0.26 (0.17, 0.36)	0.85 (0.77, 0.92)
United States of America	1677.80 (1630.35, 1727.62)	1.64 (1.60, 1.69)	747.66 (717.97, 779.47)	0.67 (0.65, 0.70)	-3.46 (-3.71, -3.20)
United States Virgin Islands	0.43 (0.33, 0.54)	1.08 (0.83, 1.36)	0.34 (0.25, 0.49)	1.49 (1.07, 2.11)	1.09 (0.85, 1.34)
Uruguay	21.85 (18.11, 26.09)	1.92 (1.59, 2.30)	19.05 (15.25, 23.54)	1.59 (1.27, 1.97)	-0.39 (-0.83, 0.05)
Uzbekistan	99.86 (83.40, 115.32)	1.16 (0.97, 1.34)	99.95 (79.92, 123.18)	0.73 (0.58, 0.90)	-1.85 (-2.12, -1.58)
Vanuatu	0.44 (0.24, 0.80)	0.76 (0.42, 1.37)	1.21 (0.73, 2.05)	0.97 (0.58, 1.65)	0.69 (0.62, 0.76)
Venezuela (Bolivarian Republic of)	84.16 (77.55, 90.90)	1.05 (0.97, 1.13)	97.48 (72.25, 127.45)	1.04 (0.77, 1.36)	-0.19 (-0.35, -0.03)
Viet Nam	160.83 (113.83, 219.99)	0.56 (0.40, 0.77)	332.34 (228.21, 473.66)	0.87 (0.59, 1.23)	1.04 (0.83, 1.25)
Yemen	17.75 (8.80, 32.59)	0.39 (0.19, 0.71)	60.27 (28.85, 104.42)	0.44 (0.21, 0.76)	0.86 (0.62, 1.10)
Zambia	7.34 (5.54, 9.54)	0.24 (0.18, 0.31)	34.80 (19.08, 69.80)	0.43 (0.24, 0.86)	2.05 (1.91, 2.19)
Zimbabwe	10.84 (8.33, 13.97)	0.27 (0.21, 0.35)	40.69 (27.44, 58.60)	0.64 (0.43, 0.92)	3.53 (2.76, 4.31)

**Abbreviation:** EAPC, estimated annual percentage change; ASIR, age-standardized rates for incidence; UI, uncertainty interval; SDI, socio-demographic index; GBD, global burden of disease.

**Supplementary Table SIX. Pulmonary arterial hypertension incidence in 1990 and 2021 in adolescents and young adults and EAPC in ASIR by location**

location	Number in 1990 (95% UI)	Rate in 1990 (95% UI)	Number in 2021 (95% UI)	Rate in 2021 (95% UI)	EAPC in ASIR between 1990 and 2021
Global	6609.87 (4726.83, 9454.31)	0.30 (0.22, 0.43)	9787.07 (7090.01, 14010.76)	0.33 (0.24, 0.47)	0.22 (0.19, 0.24)
SDI regions					
High SDI	763.41 (545.56, 1090.45)	0.22 (0.16, 0.31)	801.31 (575.69, 1148.86)	0.23 (0.16, 0.33)	0.03 (0.00, 0.07)
High-middle SDI	1139.87 (815.11, 1640.64)	0.25 (0.18, 0.36)	1229.92 (878.48, 1760.84)	0.28 (0.20, 0.40)	0.17 (0.10, 0.24)
Middle SDI	2258.01 (1618.45, 3224.17)	0.30 (0.22, 0.43)	3007.76 (2197.39, 4331.22)	0.32 (0.24, 0.47)	0.22 (0.19, 0.24)
Low-middle SDI	1563.68 (1107.27, 2234.07)	0.34 (0.24, 0.49)	2817.51 (2026.01, 4009.18)	0.35 (0.25, 0.50)	-0.06 (-0.10, -0.02)
Low SDI	879.63 (630.76, 1248.10)	0.48 (0.34, 0.68)	1923.26 (1366.13, 2739.08)	0.43 (0.30, 0.61)	-0.31 (-0.38, -0.25)
GBD regions					
Central Asia	64.91 (46.14, 93.57)	0.23 (0.16, 0.33)	96.25 (68.46, 138.23)	0.26 (0.18, 0.37)	0.19 (0.10, 0.28)
East Asia	1564.52 (1129.86, 2245.67)	0.28 (0.20, 0.40)	1435.96 (1018.70, 2062.55)	0.30 (0.21, 0.43)	0.11 (0.05, 0.17)
South Asia	1396.39 (987.58, 2001.46)	0.32 (0.23, 0.46)	2630.39 (1893.14, 3742.12)	0.33 (0.24, 0.47)	0.02 (-0.01, 0.04)
Southeast Asia	607.20 (433.37, 863.60)	0.31 (0.22, 0.44)	966.21 (701.71, 1387.29)	0.35 (0.25, 0.50)	0.29 (0.25, 0.34)
High-income Asia Pacific	129.00 (92.63, 184.26)	0.19 (0.14, 0.27)	104.86 (74.46, 149.83)	0.21 (0.15, 0.30)	0.31 (0.24, 0.37)
Oceania	8.46 (6.00, 12.05)	0.32 (0.23, 0.45)	19.84 (14.20, 28.48)	0.35 (0.25, 0.51)	0.05 (-0.04, 0.15)
Australasia	17.11 (12.32, 24.31)	0.21 (0.15, 0.30)	23.55 (16.85, 34.07)	0.22 (0.16, 0.33)	0.14 (0.10, 0.17)
Central Europe	103.82 (73.56, 146.45)	0.22 (0.16, 0.31)	93.10 (65.92, 132.17)	0.27 (0.19, 0.38)	0.58 (0.51, 0.64)
Eastern Europe	196.64 (138.93, 279.86)	0.23 (0.16, 0.33)	178.33 (125.37, 252.22)	0.27 (0.19, 0.38)	0.34 (0.18, 0.50)
Western Europe	388.08 (278.08, 556.16)	0.27 (0.19, 0.39)	325.82 (233.49, 463.72)	0.25 (0.18, 0.36)	-0.32 (-0.38, -0.25)
Andean Latin America	48.14 (34.32, 68.39)	0.31 (0.22, 0.44)	90.86 (66.12, 130.80)	0.34 (0.24, 0.48)	0.27 (0.20, 0.34)
Central Latin America	224.25 (160.10, 319.79)	0.33 (0.23, 0.47)	310.86 (224.71, 445.27)	0.31 (0.22, 0.44)	-0.03 (-0.16, 0.11)
High-income North America	189.87 (135.12, 271.30)	0.17 (0.12, 0.24)	224.38 (159.30, 324.02)	0.18 (0.13, 0.26)	0.17 (0.11, 0.22)
Southern Latin America	38.11 (26.77, 54.79)	0.20 (0.14, 0.29)	51.92 (36.74, 74.80)	0.20 (0.14, 0.29)	0.07 (0.03, 0.12)
Tropical Latin America	186.70 (133.78, 269.11)	0.29 (0.21, 0.42)	268.23 (193.72, 387.85)	0.30 (0.22, 0.44)	0.13 (0.04, 0.23)
Caribbean	39.28 (27.79, 56.65)	0.26 (0.19, 0.38)	54.68 (39.28, 77.98)	0.30 (0.22, 0.43)	0.42 (0.37, 0.47)
Central Sub-Saharan Africa	100.81 (72.64, 143.10)	0.49 (0.35, 0.69)	263.67 (186.40, 373.09)	0.49 (0.34, 0.69)	0.23 (0.06, 0.40)
Eastern Sub-Saharan Africa	427.59 (306.97, 601.03)	0.60 (0.43, 0.85)	973.13 (696.03, 1374.85)	0.56 (0.40, 0.78)	-0.06 (-0.15, 0.03)
North Africa and Middle East	405.55 (289.53, 574.11)	0.30 (0.22, 0.43)	767.14 (555.05, 1097.29)	0.30 (0.22, 0.43)	-0.18 (-0.33, -0.02)

location	Number in 1990 (95% UI)	Rate in 1990 (95% UI)	Number in 2021 (95% UI)	Rate in 2021 (95% UI)	EAPC in ASIR between 1990 and 2021
Southern Sub-Saharan Africa	111.37 (79.32, 157.15)	0.52 (0.37, 0.73)	170.24 (123.29, 239.40)	0.50 (0.36, 0.70)	0.07 (-0.01, 0.15)
Western Sub-Saharan Africa	362.09 (258.76, 513.60)	0.51 (0.36, 0.72)	737.66 (525.39, 1050.87)	0.39 (0.27, 0.55)	-1.17 (-1.29, -1.05)
Countries					
Afghanistan	10.00 (7.25, 14.12)	0.32 (0.23, 0.45)	39.15 (27.51, 55.45)	0.32 (0.23, 0.45)	0.04 (-0.08, 0.16)
Albania	3.35 (2.30, 4.86)	0.24 (0.16, 0.34)	2.69 (1.89, 3.85)	0.28 (0.20, 0.41)	0.42 (0.32, 0.52)
Algeria	28.87 (20.75, 41.00)	0.29 (0.21, 0.41)	51.16 (37.57, 73.41)	0.30 (0.22, 0.43)	0.17 (0.04, 0.30)
American Samoa	0.06 (0.04, 0.08)	0.29 (0.21, 0.42)	0.05 (0.04, 0.08)	0.31 (0.22, 0.44)	-0.06 (-0.19, 0.06)
Andorra	0.07 (0.05, 0.09)	0.26 (0.18, 0.38)	0.06 (0.05, 0.09)	0.25 (0.18, 0.35)	-0.24 (-0.33, -0.14)
Angola	19.40 (13.73, 27.78)	0.50 (0.35, 0.71)	61.32 (44.49, 86.12)	0.50 (0.37, 0.71)	0.11 (0.02, 0.19)
Antigua and Barbuda	0.07 (0.05, 0.10)	0.26 (0.18, 0.37)	0.09 (0.07, 0.14)	0.27 (0.19, 0.40)	0.20 (0.17, 0.23)
Argentina	24.07 (16.83, 34.73)	0.20 (0.14, 0.28)	34.64 (24.24, 49.91)	0.20 (0.14, 0.28)	0.02 (-0.04, 0.08)
Armenia	3.10 (2.19, 4.55)	0.22 (0.15, 0.32)	2.63 (1.80, 3.79)	0.24 (0.17, 0.35)	0.29 (0.19, 0.39)
Australia	13.88 (10.00, 19.75)	0.20 (0.15, 0.29)	19.07 (13.51, 27.61)	0.22 (0.16, 0.32)	0.15 (0.11, 0.19)
Austria	7.37 (5.14, 10.79)	0.25 (0.17, 0.36)	6.69 (4.80, 9.69)	0.24 (0.17, 0.34)	-0.32 (-0.44, -0.21)
Azerbaijan	7.63 (5.40, 11.02)	0.24 (0.17, 0.35)	9.78 (6.89, 13.99)	0.23 (0.16, 0.33)	-0.42 (-0.58, -0.25)
Bahamas	0.30 (0.21, 0.43)	0.25 (0.18, 0.37)	0.46 (0.33, 0.67)	0.30 (0.22, 0.43)	0.40 (0.29, 0.52)
Bahrain	0.65 (0.46, 0.93)	0.25 (0.18, 0.36)	1.79 (1.25, 2.61)	0.26 (0.18, 0.37)	0.03 (-0.11, 0.17)
Bangladesh	103.07 (72.86, 146.87)	0.24 (0.17, 0.35)	207.65 (147.30, 301.85)	0.30 (0.21, 0.44)	0.36 (0.05, 0.68)
Barbados	0.27 (0.19, 0.40)	0.25 (0.18, 0.36)	0.26 (0.18, 0.38)	0.26 (0.18, 0.38)	0.19 (0.15, 0.23)
Belarus	7.83 (5.50, 11.13)	0.20 (0.14, 0.28)	7.20 (5.00, 10.16)	0.25 (0.17, 0.35)	0.46 (0.31, 0.62)
Belgium	10.28 (7.22, 14.72)	0.28 (0.19, 0.40)	9.52 (6.75, 13.60)	0.27 (0.19, 0.39)	-0.15 (-0.23, -0.07)
Belize	0.20 (0.14, 0.29)	0.27 (0.19, 0.39)	0.53 (0.38, 0.77)	0.28 (0.20, 0.41)	0.19 (0.06, 0.32)
Benin	10.18 (7.06, 14.33)	0.60 (0.41, 0.84)	19.86 (14.32, 27.95)	0.38 (0.27, 0.53)	-1.41 (-1.73, -1.08)
Bermuda	0.06 (0.04, 0.09)	0.24 (0.17, 0.34)	0.04 (0.03, 0.06)	0.25 (0.17, 0.36)	0.15 (0.11, 0.19)
Bhutan	0.86 (0.61, 1.22)	0.32 (0.23, 0.45)	1.35 (0.96, 1.92)	0.39 (0.28, 0.55)	0.66 (0.61, 0.71)
Bolivia (Plurinational State of)	8.31 (5.90, 11.98)	0.34 (0.24, 0.49)	17.74 (12.77, 25.28)	0.36 (0.26, 0.51)	0.25 (0.19, 0.31)
Bosnia and Herzegovina	4.66 (3.26, 6.66)	0.25 (0.17, 0.35)	2.88 (2.03, 4.12)	0.29 (0.20, 0.41)	0.43 (0.33, 0.53)
Botswana	2.84 (1.98, 4.01)	0.55 (0.39, 0.78)	6.48 (4.51, 9.24)	0.61 (0.42, 0.87)	0.48 (0.40, 0.56)
Brazil	183.06 (131.14, 263.87)	0.29 (0.21, 0.42)	260.63 (188.23, 376.92)	0.31 (0.22, 0.44)	0.14 (0.04, 0.23)

location	Number in 1990 (95% UI)	Rate in 1990 (95% UI)	Number in 2021 (95% UI)	Rate in 2021 (95% UI)	EAPC in ASIR between 1990 and 2021
Brunei Darussalam	0.23 (0.16, 0.34)	0.19 (0.13, 0.27)	0.40 (0.28, 0.57)	0.20 (0.14, 0.28)	0.06 (-0.00, 0.12)
Bulgaria	5.85 (4.14, 8.35)	0.20 (0.14, 0.28)	4.85 (3.41, 6.91)	0.26 (0.18, 0.36)	0.59 (0.48, 0.71)
Burkina Faso	18.39 (13.01, 26.04)	0.58 (0.41, 0.82)	31.01 (22.43, 43.79)	0.36 (0.26, 0.51)	-2.08 (-2.39, -1.77)
Burundi	12.50 (8.85, 17.91)	0.60 (0.43, 0.86)	27.40 (19.42, 39.78)	0.52 (0.37, 0.75)	-0.35 (-0.50, -0.21)
Cabo Verde	0.44 (0.31, 0.63)	0.34 (0.23, 0.48)	0.78 (0.56, 1.13)	0.31 (0.22, 0.45)	-0.58 (-0.74, -0.41)
Cambodia	12.92 (9.07, 18.30)	0.34 (0.24, 0.48)	25.54 (18.33, 36.66)	0.35 (0.25, 0.51)	0.02 (-0.12, 0.16)
Cameroon	22.74 (16.20, 32.02)	0.60 (0.43, 0.84)	57.55 (40.56, 82.62)	0.45 (0.31, 0.64)	-1.32 (-1.48, -1.17)
Canada	14.16 (10.02, 20.59)	0.13 (0.09, 0.19)	18.00 (12.76, 25.59)	0.15 (0.11, 0.22)	0.46 (0.33, 0.60)
Central African Republic	5.59 (3.92, 7.85)	0.54 (0.38, 0.75)	11.32 (8.01, 15.99)	0.52 (0.37, 0.73)	-0.00 (-0.05, 0.05)
Chad	9.58 (6.94, 13.63)	0.46 (0.33, 0.65)	22.18 (15.78, 31.90)	0.35 (0.25, 0.51)	-0.97 (-1.06, -0.88)
Chile	12.18 (8.56, 17.40)	0.21 (0.15, 0.30)	15.11 (10.65, 21.90)	0.21 (0.15, 0.31)	0.12 (0.07, 0.17)
China	1520.02 (1098.09, 2181.50)	0.28 (0.20, 0.40)	1385.86 (982.85, 1988.16)	0.30 (0.21, 0.43)	0.11 (0.05, 0.17)
Colombia	43.10 (30.39, 62.13)	0.31 (0.22, 0.44)	58.91 (41.95, 83.40)	0.29 (0.21, 0.42)	-0.03 (-0.13, 0.07)
Comoros	0.72 (0.51, 1.02)	0.41 (0.30, 0.59)	1.53 (1.10, 2.18)	0.49 (0.36, 0.71)	0.74 (0.57, 0.90)
Congo	4.38 (3.07, 6.27)	0.46 (0.32, 0.66)	9.86 (6.99, 14.10)	0.45 (0.32, 0.64)	0.21 (0.09, 0.33)
Cook Islands	0.02 (0.01, 0.03)	0.27 (0.19, 0.39)	0.02 (0.01, 0.03)	0.30 (0.21, 0.43)	0.09 (-0.02, 0.20)
Costa Rica	3.84 (2.69, 5.58)	0.30 (0.21, 0.43)	5.25 (3.64, 7.59)	0.28 (0.19, 0.40)	-0.19 (-0.30, -0.09)
Coted'Ivoire	30.65 (21.72, 43.52)	0.65 (0.46, 0.92)	49.00 (34.99, 69.58)	0.44 (0.31, 0.62)	-1.86 (-2.08, -1.64)
Croatia	3.99 (2.78, 5.66)	0.22 (0.15, 0.31)	3.20 (2.25, 4.57)	0.26 (0.18, 0.37)	0.39 (0.33, 0.46)
Cuba	11.14 (7.71, 16.30)	0.23 (0.16, 0.33)	9.14 (6.38, 13.24)	0.25 (0.18, 0.37)	0.22 (0.16, 0.29)
Cyprus	0.87 (0.61, 1.24)	0.28 (0.20, 0.40)	1.31 (0.91, 1.90)	0.26 (0.18, 0.38)	-0.47 (-0.61, -0.34)
Czechia	7.96 (5.62, 11.20)	0.21 (0.15, 0.30)	7.64 (5.36, 10.91)	0.26 (0.18, 0.37)	0.65 (0.55, 0.75)
Democratic People's Republic of Korea	21.96 (15.54, 31.50)	0.26 (0.19, 0.38)	29.63 (21.06, 43.46)	0.29 (0.21, 0.43)	0.10 (0.03, 0.18)
Democratic Republic of the Congo	68.72 (49.53, 97.85)	0.48 (0.35, 0.68)	174.78 (122.62, 246.96)	0.48 (0.34, 0.68)	0.30 (0.05, 0.56)
Denmark	5.58 (3.97, 7.82)	0.29 (0.21, 0.41)	4.30 (3.03, 6.28)	0.24 (0.17, 0.34)	-0.84 (-0.98, -0.70)
Djibouti	0.83 (0.60, 1.18)	0.47 (0.34, 0.68)	2.62 (1.88, 3.74)	0.49 (0.35, 0.69)	0.31 (0.14, 0.47)
Dominica	0.08 (0.06, 0.11)	0.28 (0.19, 0.39)	0.07 (0.05, 0.10)	0.28 (0.20, 0.40)	-0.06 (-0.12, 0.01)
Dominican Republic	9.10 (6.44, 13.07)	0.30 (0.21, 0.43)	14.62 (10.42, 20.76)	0.32 (0.23, 0.46)	0.27 (0.22, 0.31)
Ecuador	12.88 (9.13, 18.46)	0.31 (0.22, 0.45)	23.37 (16.92, 33.58)	0.32 (0.23, 0.46)	0.04 (-0.04, 0.12)

location	Number in 1990 (95% UI)	Rate in 1990 (95% UI)	Number in 2021 (95% UI)	Rate in 2021 (95% UI)	EAPC in ASIR between 1990 and 2021
Egypt	90.32 (64.85, 130.01)	0.41 (0.30, 0.59)	122.86 (87.62, 177.30)	0.29 (0.21, 0.42)	-1.54 (-1.72, -1.36)
El Salvador	7.34 (5.23, 10.58)	0.35 (0.25, 0.51)	7.18 (5.10, 10.56)	0.28 (0.20, 0.41)	-0.89 (-0.99, -0.80)
Equatorial Guinea	0.69 (0.49, 0.98)	0.46 (0.33, 0.65)	3.05 (2.15, 4.39)	0.44 (0.31, 0.63)	-0.10 (-0.24, 0.04)
Eritrea	6.59 (4.65, 9.40)	0.51 (0.36, 0.73)	14.29 (10.20, 20.39)	0.51 (0.36, 0.73)	0.27 (0.16, 0.39)
Estonia	1.12 (0.78, 1.62)	0.20 (0.14, 0.28)	0.92 (0.64, 1.32)	0.23 (0.16, 0.33)	0.39 (0.24, 0.54)
Eswatini	1.45 (1.02, 2.08)	0.48 (0.34, 0.69)	2.52 (1.78, 3.55)	0.49 (0.35, 0.70)	0.09 (0.04, 0.14)
Ethiopia	113.89 (82.24, 160.93)	0.62 (0.45, 0.88)	281.09 (200.01, 394.06)	0.61 (0.43, 0.85)	0.12 (0.04, 0.20)
Fiji	1.07 (0.76, 1.52)	0.33 (0.24, 0.47)	1.38 (0.99, 1.98)	0.39 (0.28, 0.55)	0.07 (-0.07, 0.21)
Finland	5.53 (3.99, 7.79)	0.30 (0.22, 0.43)	4.23 (2.97, 6.10)	0.25 (0.18, 0.37)	-0.83 (-1.04, -0.62)
France	74.99 (53.60, 107.24)	0.34 (0.24, 0.49)	57.22 (40.55, 82.78)	0.29 (0.20, 0.42)	-0.62 (-0.73, -0.52)
Gabon	2.03 (1.42, 2.89)	0.53 (0.37, 0.75)	3.35 (2.39, 4.83)	0.45 (0.32, 0.64)	-0.19 (-0.35, -0.03)
Gambia	1.51 (1.07, 2.17)	0.40 (0.28, 0.58)	3.93 (2.73, 5.61)	0.39 (0.27, 0.56)	-0.20 (-0.37, -0.04)
Georgia	4.75 (3.29, 6.77)	0.22 (0.15, 0.32)	2.77 (1.94, 3.96)	0.24 (0.17, 0.35)	0.22 (0.18, 0.25)
Germany	82.79 (58.78, 121.46)	0.28 (0.20, 0.41)	57.87 (40.68, 82.13)	0.23 (0.16, 0.32)	-0.66 (-0.80, -0.52)
Ghana	33.00 (23.53, 46.52)	0.57 (0.41, 0.81)	57.38 (41.16, 81.15)	0.40 (0.29, 0.57)	-1.51 (-1.68, -1.33)
Greece	8.82 (6.24, 12.76)	0.23 (0.17, 0.34)	6.87 (4.89, 9.86)	0.25 (0.18, 0.35)	0.05 (-0.13, 0.23)
Greenland	0.04 (0.03, 0.06)	0.17 (0.12, 0.24)	0.04 (0.03, 0.06)	0.20 (0.14, 0.29)	0.34 (0.14, 0.54)
Grenada	0.09 (0.06, 0.12)	0.26 (0.18, 0.37)	0.11 (0.08, 0.16)	0.28 (0.20, 0.40)	0.18 (0.12, 0.24)
Guam	0.19 (0.13, 0.27)	0.30 (0.21, 0.43)	0.18 (0.13, 0.26)	0.32 (0.23, 0.46)	-0.11 (-0.24, 0.02)
Guatemala	11.10 (7.82, 15.83)	0.38 (0.26, 0.54)	22.36 (16.04, 32.09)	0.33 (0.24, 0.47)	-0.20 (-0.36, -0.04)
Guinea	10.79 (7.68, 15.34)	0.53 (0.37, 0.75)	19.39 (13.74, 27.82)	0.38 (0.27, 0.54)	-1.18 (-1.27, -1.09)
Guinea-Bissau	1.86 (1.34, 2.67)	0.50 (0.36, 0.72)	3.28 (2.31, 4.72)	0.39 (0.27, 0.56)	-0.93 (-1.03, -0.83)
Guyana	0.98 (0.69, 1.42)	0.29 (0.20, 0.42)	0.96 (0.67, 1.39)	0.31 (0.22, 0.45)	0.20 (0.17, 0.24)
Haiti	7.65 (5.37, 10.90)	0.31 (0.22, 0.45)	18.40 (13.34, 26.19)	0.34 (0.24, 0.48)	0.31 (0.19, 0.44)
Honduras	5.91 (4.16, 8.51)	0.34 (0.24, 0.49)	13.13 (9.45, 18.90)	0.30 (0.21, 0.43)	-0.24 (-0.39, -0.10)
Hungary	8.90 (6.27, 12.59)	0.24 (0.17, 0.34)	7.50 (5.23, 10.64)	0.27 (0.19, 0.39)	0.40 (0.31, 0.49)
Iceland	0.24 (0.17, 0.35)	0.23 (0.17, 0.34)	0.26 (0.18, 0.37)	0.22 (0.15, 0.31)	-0.33 (-0.38, -0.29)
India	1146.73 (813.82, 1649.21)	0.34 (0.24, 0.48)	2039.36 (1475.46, 2907.65)	0.33 (0.24, 0.48)	-0.04 (-0.06, -0.02)
Indonesia	226.33 (162.32, 323.01)	0.29 (0.21, 0.41)	417.56 (303.36, 596.81)	0.37 (0.27, 0.52)	0.61 (0.55, 0.68)

location	Number in 1990 (95% UI)	Rate in 1990 (95% UI)	Number in 2021 (95% UI)	Rate in 2021 (95% UI)	EAPC in ASIR between 1990 and 2021
Iran (Islamic Republic of)	54.97 (39.34, 78.84)	0.25 (0.18, 0.36)	100.34 (72.51, 143.82)	0.29 (0.21, 0.41)	0.39 (0.20, 0.59)
Iraq	23.35 (16.39, 33.07)	0.33 (0.23, 0.46)	54.95 (39.71, 78.08)	0.32 (0.23, 0.45)	0.01 (-0.11, 0.13)
Ireland	1.69 (1.17, 2.41)	0.12 (0.09, 0.18)	1.71 (1.21, 2.47)	0.11 (0.08, 0.16)	-0.49 (-0.70, -0.28)
Israel	7.05 (5.07, 9.98)	0.37 (0.27, 0.52)	12.40 (8.96, 17.81)	0.37 (0.27, 0.54)	0.03 (-0.02, 0.08)
Italy	55.20 (39.32, 79.47)	0.26 (0.18, 0.37)	41.12 (29.39, 58.39)	0.26 (0.19, 0.37)	-0.10 (-0.19, -0.01)
Jamaica	2.26 (1.60, 3.32)	0.23 (0.16, 0.34)	2.89 (2.06, 4.12)	0.24 (0.17, 0.35)	0.13 (0.10, 0.16)
Japan	88.86 (64.06, 126.21)	0.20 (0.14, 0.28)	69.87 (49.82, 99.54)	0.22 (0.15, 0.31)	0.36 (0.29, 0.43)
Jordan	3.74 (2.65, 5.39)	0.24 (0.17, 0.35)	13.92 (10.05, 20.06)	0.26 (0.19, 0.37)	0.33 (0.24, 0.41)
Kazakhstan	16.05 (11.21, 23.37)	0.24 (0.17, 0.34)	18.67 (13.16, 26.87)	0.27 (0.19, 0.39)	0.38 (0.20, 0.56)
Kenya	45.83 (32.65, 64.98)	0.52 (0.37, 0.74)	110.20 (78.29, 156.66)	0.51 (0.36, 0.72)	-0.12 (-0.19, -0.05)
Kiribati	0.11 (0.08, 0.16)	0.35 (0.25, 0.51)	0.19 (0.14, 0.27)	0.38 (0.28, 0.55)	-0.02 (-0.11, 0.08)
Kuwait	2.08 (1.47, 3.01)	0.25 (0.17, 0.36)	5.73 (4.00, 8.18)	0.27 (0.19, 0.39)	0.20 (0.06, 0.35)
Kyrgyzstan	4.15 (2.91, 6.04)	0.23 (0.16, 0.33)	6.09 (4.32, 8.73)	0.22 (0.16, 0.32)	-0.16 (-0.25, -0.07)
Lao People's Democratic Republic	5.82 (4.11, 8.22)	0.38 (0.27, 0.53)	13.39 (9.48, 18.78)	0.42 (0.30, 0.59)	0.17 (0.11, 0.24)
Latvia	1.87 (1.32, 2.70)	0.20 (0.14, 0.28)	1.19 (0.84, 1.71)	0.22 (0.16, 0.32)	0.14 (-0.04, 0.31)
Lebanon	2.83 (2.00, 4.14)	0.25 (0.17, 0.36)	6.19 (4.40, 9.06)	0.27 (0.19, 0.39)	0.13 (-0.00, 0.27)
Lesotho	2.62 (1.88, 3.72)	0.49 (0.35, 0.69)	3.99 (2.84, 5.58)	0.48 (0.34, 0.67)	-0.01 (-0.08, 0.06)
Liberia	6.49 (4.54, 9.15)	0.70 (0.49, 0.99)	9.89 (7.15, 14.10)	0.44 (0.32, 0.63)	-1.43 (-1.63, -1.22)
Libya	4.74 (3.36, 6.77)	0.28 (0.20, 0.40)	9.70 (6.97, 13.79)	0.32 (0.23, 0.46)	0.59 (0.43, 0.75)
Lithuania	2.65 (1.86, 3.82)	0.19 (0.13, 0.27)	1.79 (1.25, 2.61)	0.22 (0.15, 0.32)	0.23 (0.01, 0.45)
Luxembourg	0.41 (0.29, 0.59)	0.28 (0.20, 0.40)	0.52 (0.37, 0.76)	0.24 (0.17, 0.34)	-0.63 (-0.76, -0.49)
Madagascar	23.28 (16.55, 32.52)	0.51 (0.37, 0.72)	60.13 (43.18, 83.15)	0.51 (0.37, 0.71)	0.14 (0.01, 0.27)
Malawi	21.53 (15.27, 30.27)	0.58 (0.41, 0.81)	45.06 (32.04, 64.42)	0.55 (0.39, 0.79)	0.11 (-0.05, 0.27)
Malaysia	20.39 (14.40, 29.71)	0.27 (0.19, 0.40)	37.42 (26.65, 53.50)	0.27 (0.19, 0.38)	-0.21 (-0.34, -0.09)
Maldives	0.25 (0.18, 0.36)	0.30 (0.22, 0.44)	0.79 (0.56, 1.13)	0.31 (0.21, 0.44)	0.12 (-0.07, 0.31)
Mali	16.01 (11.37, 22.77)	0.54 (0.38, 0.76)	31.80 (22.50, 45.11)	0.36 (0.25, 0.51)	-1.88 (-2.14, -1.61)
Malta	0.37 (0.26, 0.52)	0.27 (0.19, 0.38)	0.32 (0.22, 0.45)	0.24 (0.16, 0.34)	-0.42 (-0.51, -0.33)
Marshall Islands	0.05 (0.04, 0.08)	0.32 (0.22, 0.46)	0.08 (0.06, 0.12)	0.36 (0.25, 0.51)	0.25 (0.20, 0.31)
Mauritania	3.53 (2.47, 5.08)	0.46 (0.32, 0.66)	5.51 (3.87, 7.89)	0.32 (0.23, 0.46)	-0.86 (-1.01, -0.72)

location	Number in 1990 (95% UI)	Rate in 1990 (95% UI)	Number in 2021 (95% UI)	Rate in 2021 (95% UI)	EAPC in ASIR between 1990 and 2021
Mauritius	2.27 (1.60, 3.32)	0.46 (0.32, 0.67)	1.97 (1.43, 2.79)	0.43 (0.31, 0.61)	-0.19 (-0.22, -0.17)
Mexico	119.44 (85.50, 169.38)	0.33 (0.24, 0.47)	160.29 (115.68, 230.23)	0.31 (0.22, 0.45)	0.03 (-0.13, 0.20)
Micronesia (Federated States of)	0.13 (0.09, 0.19)	0.33 (0.24, 0.47)	0.15 (0.11, 0.22)	0.36 (0.25, 0.51)	0.08 (0.01, 0.14)
Monaco	0.03 (0.02, 0.04)	0.28 (0.20, 0.41)	0.02 (0.02, 0.03)	0.25 (0.18, 0.37)	-0.60 (-0.68, -0.52)
Mongolia	1.77 (1.25, 2.58)	0.20 (0.14, 0.29)	3.56 (2.53, 5.00)	0.28 (0.20, 0.40)	0.93 (0.80, 1.07)
Montenegro	0.50 (0.35, 0.71)	0.20 (0.14, 0.28)	0.46 (0.32, 0.66)	0.22 (0.16, 0.32)	0.24 (0.18, 0.30)
Morocco	29.64 (21.27, 41.98)	0.29 (0.20, 0.40)	43.78 (31.77, 62.83)	0.30 (0.22, 0.43)	0.09 (-0.04, 0.22)
Mozambique	26.74 (18.96, 37.59)	0.56 (0.40, 0.79)	66.27 (47.22, 94.08)	0.55 (0.39, 0.78)	0.15 (0.02, 0.28)
Myanmar	59.72 (42.23, 84.45)	0.35 (0.25, 0.49)	79.98 (57.76, 114.30)	0.36 (0.26, 0.51)	-0.02 (-0.06, 0.03)
Namibia	3.09 (2.19, 4.46)	0.55 (0.39, 0.80)	5.64 (4.08, 7.88)	0.54 (0.39, 0.75)	0.10 (0.00, 0.19)
Nauru	0.01 (0.01, 0.02)	0.36 (0.25, 0.51)	0.02 (0.01, 0.03)	0.38 (0.27, 0.55)	-0.02 (-0.10, 0.05)
Nepal	21.15 (14.84, 30.24)	0.29 (0.20, 0.41)	42.86 (30.47, 61.59)	0.32 (0.23, 0.46)	0.27 (0.19, 0.36)
Netherlands	19.34 (13.62, 28.10)	0.32 (0.23, 0.47)	16.22 (11.41, 23.18)	0.31 (0.22, 0.44)	-0.26 (-0.31, -0.21)
New Zealand	3.22 (2.31, 4.68)	0.23 (0.17, 0.34)	4.48 (3.17, 6.44)	0.25 (0.18, 0.36)	0.09 (0.05, 0.14)
Nicaragua	5.05 (3.55, 7.25)	0.34 (0.24, 0.49)	8.78 (6.32, 12.59)	0.31 (0.22, 0.44)	0.04 (-0.17, 0.26)
Niger	12.61 (8.81, 18.47)	0.45 (0.32, 0.66)	29.42 (20.62, 41.13)	0.33 (0.23, 0.46)	-1.28 (-1.38, -1.17)
Nigeria	148.55 (106.27, 210.08)	0.44 (0.31, 0.62)	343.86 (245.25, 491.13)	0.38 (0.27, 0.55)	-0.73 (-0.85, -0.61)
Niue	0.00 (0.00, 0.00)	0.29 (0.21, 0.42)	0.00 (0.00, 0.00)	0.32 (0.23, 0.46)	0.13 (0.04, 0.21)
North Macedonia	1.72 (1.21, 2.49)	0.22 (0.15, 0.31)	2.00 (1.40, 2.87)	0.26 (0.18, 0.37)	0.56 (0.50, 0.62)
Northern Mariana Islands	0.07 (0.05, 0.10)	0.29 (0.21, 0.42)	0.05 (0.04, 0.07)	0.31 (0.22, 0.44)	-0.22 (-0.44, -0.01)
Norway	4.43 (3.17, 6.33)	0.28 (0.20, 0.40)	4.90 (3.50, 6.99)	0.28 (0.20, 0.39)	-0.14 (-0.22, -0.06)
Oman	2.46 (1.72, 3.56)	0.30 (0.21, 0.43)	7.60 (5.36, 10.88)	0.33 (0.23, 0.47)	0.25 (0.04, 0.45)
Pakistan	124.58 (90.07, 174.22)	0.31 (0.22, 0.43)	339.16 (240.96, 481.08)	0.34 (0.24, 0.49)	0.06 (-0.05, 0.17)
Palau	0.02 (0.02, 0.03)	0.31 (0.23, 0.45)	0.02 (0.02, 0.03)	0.35 (0.26, 0.50)	0.05 (-0.07, 0.17)
Palestine	1.70 (1.21, 2.44)	0.22 (0.16, 0.32)	5.52 (3.89, 7.99)	0.25 (0.18, 0.37)	-0.14 (-0.39, 0.11)
Panama	3.12 (2.23, 4.44)	0.31 (0.22, 0.44)	4.56 (3.26, 6.51)	0.28 (0.20, 0.39)	-0.23 (-0.34, -0.13)
Papua New Guinea	5.31 (3.75, 7.56)	0.32 (0.23, 0.46)	15.04 (10.74, 21.76)	0.35 (0.25, 0.51)	0.04 (-0.04, 0.13)
Paraguay	3.64 (2.60, 5.29)	0.23 (0.17, 0.34)	7.61 (5.42, 10.85)	0.25 (0.18, 0.35)	0.38 (0.21, 0.54)
Peru	26.94 (18.97, 38.93)	0.30 (0.21, 0.44)	49.75 (36.02, 70.79)	0.33 (0.24, 0.48)	0.37 (0.30, 0.44)

location	Number in 1990 (95% UI)	Rate in 1990 (95% UI)	Number in 2021 (95% UI)	Rate in 2021 (95% UI)	EAPC in ASIR between 1990 and 2021
Philippines	94.14 (67.18, 134.23)	0.36 (0.26, 0.52)	178.47 (128.27, 255.08)	0.38 (0.27, 0.54)	0.17 (0.08, 0.26)
Poland	35.45 (25.20, 50.29)	0.25 (0.17, 0.35)	33.86 (23.99, 48.13)	0.28 (0.20, 0.40)	0.41 (0.31, 0.50)
Portugal	6.37 (4.51, 9.24)	0.17 (0.12, 0.24)	5.05 (3.61, 7.26)	0.17 (0.12, 0.25)	0.13 (0.10, 0.16)
Puerto Rico	3.42 (2.43, 4.83)	0.24 (0.17, 0.34)	2.67 (1.92, 3.84)	0.26 (0.19, 0.37)	0.26 (0.20, 0.32)
Qatar	0.62 (0.43, 0.91)	0.26 (0.18, 0.38)	4.56 (3.09, 6.63)	0.28 (0.19, 0.40)	-0.05 (-0.21, 0.10)
Republic of Korea	37.16 (26.43, 54.00)	0.18 (0.13, 0.26)	30.31 (21.25, 43.87)	0.19 (0.13, 0.27)	0.17 (0.09, 0.25)
Republic of Moldova	3.67 (2.60, 5.29)	0.21 (0.15, 0.30)	3.25 (2.27, 4.64)	0.26 (0.18, 0.37)	0.46 (0.31, 0.62)
Romania	17.72 (12.57, 25.26)	0.20 (0.14, 0.29)	13.29 (9.30, 19.26)	0.25 (0.17, 0.36)	0.70 (0.62, 0.79)
Russian Federation	136.24 (95.99, 194.28)	0.23 (0.17, 0.33)	123.66 (86.94, 176.02)	0.27 (0.19, 0.38)	0.21 (0.04, 0.39)
Rwanda	16.20 (11.49, 22.94)	0.59 (0.42, 0.84)	31.97 (22.89, 44.88)	0.56 (0.40, 0.79)	0.14 (-0.05, 0.32)
Saint Kitts and Nevis	0.04 (0.03, 0.07)	0.26 (0.18, 0.38)	0.07 (0.05, 0.10)	0.31 (0.22, 0.45)	0.51 (0.42, 0.59)
Saint Lucia	0.15 (0.10, 0.21)	0.26 (0.18, 0.37)	0.18 (0.13, 0.26)	0.28 (0.19, 0.40)	0.15 (-0.04, 0.34)
Saint Vincent and the Grenadines	0.13 (0.09, 0.18)	0.28 (0.19, 0.39)	0.12 (0.09, 0.17)	0.29 (0.21, 0.42)	0.22 (0.12, 0.32)
Samoa	0.17 (0.12, 0.25)	0.26 (0.18, 0.37)	0.24 (0.17, 0.34)	0.30 (0.21, 0.43)	0.17 (-0.02, 0.36)
San Marino	0.02 (0.02, 0.04)	0.26 (0.18, 0.37)	0.02 (0.02, 0.03)	0.24 (0.17, 0.35)	-0.31 (-0.40, -0.21)
Sao Tome and Principe	0.14 (0.10, 0.21)	0.34 (0.24, 0.49)	0.28 (0.20, 0.40)	0.30 (0.22, 0.44)	-0.54 (-0.64, -0.43)
Saudi Arabia	19.53 (13.61, 27.89)	0.29 (0.20, 0.42)	54.84 (38.80, 77.77)	0.30 (0.21, 0.42)	-0.19 (-0.33, -0.06)
Senegal	19.31 (14.21, 27.09)	0.70 (0.52, 0.98)	26.12 (18.59, 37.23)	0.41 (0.29, 0.58)	-1.43 (-1.56, -1.30)
Serbia	6.44 (4.55, 9.22)	0.18 (0.13, 0.26)	7.16 (5.04, 10.12)	0.24 (0.17, 0.34)	0.93 (0.77, 1.09)
Seychelles	0.09 (0.06, 0.12)	0.28 (0.19, 0.39)	0.11 (0.08, 0.16)	0.30 (0.21, 0.42)	0.08 (0.03, 0.13)
Sierra Leone	8.90 (6.28, 12.70)	0.56 (0.39, 0.80)	13.73 (9.63, 19.88)	0.37 (0.26, 0.53)	-1.82 (-1.99, -1.65)
Singapore	2.75 (1.94, 3.95)	0.18 (0.13, 0.26)	4.27 (2.91, 6.18)	0.22 (0.15, 0.32)	0.63 (0.54, 0.72)
Slovakia	4.01 (2.83, 5.72)	0.20 (0.14, 0.28)	4.78 (3.41, 6.83)	0.28 (0.20, 0.40)	1.13 (1.01, 1.25)
Slovenia	1.62 (1.13, 2.31)	0.21 (0.15, 0.30)	1.44 (1.00, 2.05)	0.25 (0.18, 0.36)	0.54 (0.47, 0.62)
Solomon Islands	0.41 (0.30, 0.59)	0.32 (0.23, 0.46)	0.99 (0.70, 1.44)	0.36 (0.26, 0.53)	0.23 (0.14, 0.32)
Somalia	15.34 (10.92, 21.68)	0.53 (0.38, 0.75)	41.48 (29.81, 58.82)	0.50 (0.36, 0.71)	0.24 (0.07, 0.40)
South Africa	80.06 (57.02, 112.92)	0.51 (0.36, 0.72)	121.62 (87.58, 172.46)	0.50 (0.36, 0.71)	0.05 (-0.01, 0.12)
South Sudan	11.29 (7.79, 15.92)	0.49 (0.34, 0.69)	18.42 (13.21, 25.65)	0.51 (0.37, 0.71)	0.52 (0.33, 0.70)
Spain	32.76 (23.27, 47.25)	0.22 (0.16, 0.32)	28.12 (20.12, 39.96)	0.23 (0.16, 0.32)	0.10 (0.06, 0.15)

location	Number in 1990 (95% UI)	Rate in 1990 (95% UI)	Number in 2021 (95% UI)	Rate in 2021 (95% UI)	EAPC in ASIR between 1990 and 2021
Sri Lanka	25.99 (18.45, 37.30)	0.35 (0.25, 0.50)	28.30 (20.08, 40.66)	0.35 (0.25, 0.50)	-0.06 (-0.12, -0.00)
Sudan	23.87 (16.95, 34.37)	0.31 (0.22, 0.45)	55.95 (39.76, 79.36)	0.30 (0.22, 0.43)	-0.13 (-0.24, -0.03)
Suriname	0.48 (0.33, 0.68)	0.30 (0.21, 0.42)	0.69 (0.50, 0.98)	0.32 (0.23, 0.46)	0.30 (0.25, 0.35)
Sweden	13.95 (10.06, 19.74)	0.48 (0.34, 0.67)	16.06 (11.44, 22.81)	0.50 (0.35, 0.70)	-0.13 (-0.24, -0.02)
Switzerland	12.98 (9.34, 18.53)	0.49 (0.35, 0.70)	13.50 (9.69, 19.50)	0.49 (0.35, 0.70)	-0.17 (-0.23, -0.11)
Syrian Arab Republic	15.39 (11.01, 21.99)	0.32 (0.23, 0.46)	16.70 (12.30, 23.30)	0.33 (0.24, 0.46)	0.10 (-0.29, 0.49)
Taiwan (Province of China)	22.54 (15.97, 32.78)	0.24 (0.17, 0.36)	20.47 (14.36, 29.26)	0.27 (0.19, 0.39)	0.28 (0.25, 0.31)
Tajikistan	4.75 (3.33, 6.75)	0.22 (0.16, 0.32)	10.33 (7.44, 14.83)	0.25 (0.18, 0.36)	0.13 (0.07, 0.19)
Thailand	82.99 (59.15, 119.39)	0.32 (0.23, 0.46)	71.34 (51.91, 101.64)	0.34 (0.24, 0.48)	0.05 (0.00, 0.10)
Timor-Leste	1.07 (0.74, 1.53)	0.34 (0.23, 0.48)	1.78 (1.27, 2.56)	0.31 (0.22, 0.45)	-0.33 (-0.39, -0.26)
Togo	7.39 (5.31, 10.38)	0.54 (0.39, 0.76)	12.69 (9.17, 18.30)	0.38 (0.27, 0.54)	-1.40 (-1.70, -1.09)
Tokelau	0.00 (0.00, 0.00)	0.33 (0.24, 0.47)	0.00 (0.00, 0.00)	0.33 (0.23, 0.47)	-0.48 (-0.66, -0.30)
Tonga	0.10 (0.07, 0.14)	0.26 (0.18, 0.37)	0.11 (0.08, 0.16)	0.29 (0.21, 0.41)	0.17 (0.07, 0.26)
Trinidad and Tobago	1.44 (1.01, 2.07)	0.29 (0.20, 0.41)	1.45 (1.02, 2.04)	0.29 (0.20, 0.41)	0.05 (-0.08, 0.19)
Tunisia	8.96 (6.43, 12.97)	0.26 (0.19, 0.38)	12.01 (8.69, 17.11)	0.28 (0.20, 0.39)	0.15 (0.02, 0.28)
Turkey	59.11 (41.68, 84.46)	0.25 (0.17, 0.35)	93.91 (66.59, 133.41)	0.29 (0.21, 0.42)	0.24 (-0.09, 0.57)
Turkmenistan	3.74 (2.61, 5.46)	0.24 (0.17, 0.36)	5.47 (3.89, 7.86)	0.26 (0.19, 0.38)	0.11 (0.03, 0.18)
Tuvalu	0.01 (0.01, 0.02)	0.34 (0.25, 0.48)	0.02 (0.01, 0.03)	0.36 (0.26, 0.52)	-0.09 (-0.18, -0.00)
Uganda	55.51 (38.86, 78.36)	0.87 (0.61, 1.22)	104.11 (73.60, 144.92)	0.61 (0.43, 0.84)	-0.58 (-0.87, -0.29)
Ukraine	43.26 (30.48, 62.05)	0.23 (0.16, 0.33)	40.32 (28.18, 57.21)	0.29 (0.20, 0.42)	0.69 (0.56, 0.81)
United Arab Emirates	2.67 (1.86, 3.83)	0.28 (0.19, 0.40)	13.48 (9.31, 19.12)	0.34 (0.23, 0.48)	0.39 (0.14, 0.64)
United Kingdom	36.64 (26.16, 52.55)	0.18 (0.13, 0.25)	37.23 (26.64, 52.95)	0.17 (0.12, 0.24)	-0.34 (-0.44, -0.24)
United Republic of Tanzania	59.01 (42.19, 82.24)	0.61 (0.44, 0.85)	114.22 (82.20, 159.68)	0.49 (0.35, 0.68)	-0.77 (-0.86, -0.67)
United States of America	175.66 (124.72, 251.32)	0.17 (0.12, 0.25)	206.33 (146.57, 297.99)	0.19 (0.13, 0.27)	0.14 (0.09, 0.19)
United States Virgin Islands	0.10 (0.07, 0.15)	0.25 (0.18, 0.37)	0.06 (0.04, 0.09)	0.27 (0.19, 0.39)	0.22 (0.16, 0.27)
Uruguay	1.86 (1.28, 2.70)	0.16 (0.11, 0.24)	2.16 (1.55, 3.05)	0.18 (0.13, 0.25)	0.50 (0.40, 0.60)
Uzbekistan	18.99 (13.22, 27.52)	0.22 (0.15, 0.32)	36.95 (26.10, 53.51)	0.27 (0.19, 0.39)	0.24 (0.10, 0.37)
Vanuatu	0.18 (0.13, 0.25)	0.30 (0.21, 0.43)	0.40 (0.29, 0.58)	0.32 (0.23, 0.46)	0.00 (-0.08, 0.08)
Venezuela (Bolivarian Republic of)	25.35 (18.10, 36.05)	0.32 (0.23, 0.45)	30.41 (21.72, 43.36)	0.32 (0.23, 0.46)	0.02 (-0.17, 0.21)

location	Number in 1990 (95% UI)	Rate in 1990 (95% UI)	Number in 2021 (95% UI)	Rate in 2021 (95% UI)	EAPC in ASIR between 1990 and 2021
Viet Nam	74.34 (52.30, 106.27)	0.26 (0.18, 0.37)	108.21 (76.93, 157.33)	0.28 (0.20, 0.41)	0.11 (0.01, 0.22)
Yemen	19.83 (14.18, 27.94)	0.43 (0.31, 0.61)	52.27 (37.10, 74.09)	0.38 (0.27, 0.54)	-0.60 (-0.72, -0.47)
Zambia	18.01 (12.90, 25.32)	0.59 (0.43, 0.83)	53.49 (37.99, 74.78)	0.66 (0.47, 0.92)	0.68 (0.55, 0.80)
Zimbabwe	21.30 (14.91, 30.26)	0.54 (0.38, 0.76)	30.00 (21.49, 42.40)	0.47 (0.34, 0.67)	0.05 (-0.15, 0.24)

**Abbreviation:** EAPC, estimated annual percentage change; ASIR, age-standardized rates for incidence; UI, uncertainty interval; SDI, socio-demographic index; GBD, global burden of disease.

**Supplementary Table SX.** Tuberculosis incidence in 1990 and 2021 in adolescents and young adults and EAPC in ASIR by location

location	Number in 1990 (95% UI)	Rate in 1990 (95% UI)	Number in 2021 (95% UI)	Rate in 2021 (95% UI)	EAPC in ASIR between 1990 and 2021
Global	3507458.03 (2730419.24, 4417538.43)	160.03 (124.57, 201.55)	3330490.99 (2660020.59, 4207061.44)	111.96 (89.42, 141.42)	-1.33 (-1.40, -1.26)
SDI regions					
High SDI	76439.43 (62366.15, 94374.67)	22.03 (17.97, 27.20)	36419.62 (28756.44, 47108.05)	10.31 (8.14, 13.34)	-2.21 (-2.28, -2.14)
High-middle SDI	383282.60 (300869.38, 477355.96)	84.70 (66.48, 105.48)	181690.87 (145071.38, 232617.80)	41.27 (32.95, 52.84)	-2.68 (-2.99, -2.37)
Middle SDI	1084597.25 (849153.67, 1348349.74)	144.11 (112.82, 179.15)	977903.50 (788794.21, 1206817.14)	105.44 (85.05, 130.12)	-1.12 (-1.21, -1.02)
Low-middle SDI	1378545.02 (1037753.29, 1778327.35)	304.05 (228.88, 392.22)	1296123.62 (1027948.67, 1655425.60)	161.51 (128.09, 206.29)	-2.28 (-2.37, -2.20)
Low SDI	582926.25 (451448.22, 712625.62)	316.28 (244.94, 386.65)	836783.78 (653201.64, 1050403.22)	186.34 (145.46, 233.91)	-1.72 (-1.87, -1.57)
GBD regions					
Central Asia	33955.45 (27209.60, 41844.10)	119.34 (95.63, 147.06)	22887.92 (18199.01, 29938.10)	61.22 (48.68, 80.08)	-2.46 (-2.95, -1.96)
East Asia	497104.95 (369574.68, 643779.53)	87.87 (65.33, 113.80)	181352.01 (145540.48, 222574.17)	37.86 (30.38, 46.46)	-2.83 (-2.94, -2.72)
South Asia	1474503.86 (1078010.54, 1962221.02)	341.62 (249.76, 454.62)	1430507.26 (1142882.66, 1842329.35)	180.86 (144.50, 232.93)	-2.51 (-2.64, -2.37)
Southeast Asia	479284.09 (395235.19, 567235.10)	243.29 (200.62, 287.93)	391954.13 (319650.37, 463735.51)	141.33 (115.26, 167.22)	-1.87 (-1.98, -1.76)
High-income Asia Pacific	30185.62 (25598.25, 35231.36)	44.72 (37.93, 52.20)	7403.14 (5818.91, 9499.60)	14.65 (11.51, 18.80)	-2.90 (-3.15, -2.65)
Oceania	3332.63 (2707.24, 3955.32)	125.46 (101.91, 148.90)	5907.78 (4868.22, 6923.56)	104.85 (86.40, 122.88)	-0.57 (-0.65, -0.49)
Australasia	849.58 (629.82, 1133.85)	10.42 (7.72, 13.91)	854.35 (666.49, 1084.61)	8.16 (6.37, 10.36)	-0.09 (-0.42, 0.25)
Central Europe	15607.40 (12329.73, 19337.57)	33.31 (26.32, 41.28)	4608.59 (3588.02, 6064.08)	13.16 (10.25, 17.32)	-3.20 (-3.43, -2.96)
Eastern Europe	118328.83 (92412.20, 148694.69)	137.96 (107.75, 173.37)	58363.15 (43044.21, 80117.58)	88.20 (65.05, 121.07)	-2.18 (-2.95, -1.41)
Western Europe	25618.86 (19560.38, 34388.16)	17.78 (13.57, 23.86)	11729.25 (9035.84, 15281.28)	9.04 (6.96, 11.78)	-1.75 (-1.88, -1.62)
Andean Latin America	34833.76 (26734.46, 43585.71)	225.26 (172.89, 281.86)	19761.25 (15362.00, 26053.12)	72.97 (56.73, 96.21)	-4.13 (-4.54, -3.72)
Central Latin America	21663.42 (17316.55, 26509.40)	31.73 (25.37, 38.83)	18268.53 (14216.34, 24199.41)	18.06 (14.05, 23.92)	-1.95 (-2.18, -1.71)
High-income North America	3487.83 (2443.97, 4993.78)	3.08 (2.16, 4.41)	3252.42 (2452.77, 4262.84)	2.64 (1.99, 3.46)	-1.24 (-1.69, -0.79)
Southern Latin America	5497.26 (4180.44, 7238.72)	28.81 (21.91, 37.94)	4729.98 (3605.13, 6276.01)	18.34 (13.98, 24.33)	-1.09 (-1.34, -0.85)
Tropical Latin America	35160.78 (26349.95, 44898.75)	54.67 (40.97, 69.81)	32107.74 (24563.06, 43440.52)	36.36 (27.81, 49.19)	-1.04 (-1.19, -0.90)
Caribbean	7421.14 (5825.85, 9066.54)	49.92 (39.19, 60.99)	7448.00 (5745.25, 9322.62)	40.92 (31.56, 51.22)	-0.44 (-0.54, -0.33)
Central Sub-Saharan Africa	81173.91 (62404.83, 100202.43)	390.97 (300.57, 482.62)	163258.41 (127497.51, 202223.20)	301.79 (235.69, 373.82)	-0.48 (-0.68, -0.28)
Eastern Sub-Saharan Africa	268854.51 (201967.73, 331454.05)	379.26 (284.90, 467.56)	420050.44 (319785.97, 537317.27)	239.77 (182.54, 306.71)	-1.37 (-1.53, -1.21)
North Africa and Middle East	76685.49 (60314.90, 94487.30)	57.30 (45.07, 70.60)	63785.49 (49744.37, 81252.82)	25.09 (19.56, 31.96)	-2.80 (-2.87, -2.73)
Southern Sub-Saharan Africa	136882.70 (104573.33, 167824.91)	633.27 (483.79, 776.42)	249667.35 (194158.68, 306425.54)	733.54 (570.45, 900.30)	1.54 (1.17, 1.92)
Western Sub-Saharan Africa	157025.96 (120925.21, 191924.19)	219.39 (168.95, 268.15)	232593.80 (176591.18, 305443.92)	121.64 (92.36, 159.74)	-1.66 (-1.99, -1.33)
Countries					
Afghanistan	8233.11 (6234.16, 10543.07)	261.41 (197.94, 334.75)	15048.73 (11504.98, 19362.63)	123.14 (94.14, 158.44)	-2.70 (-3.03, -2.36)
Albania	300.63 (235.77, 370.03)	21.16 (16.60, 26.05)	85.97 (67.03, 112.97)	9.07 (7.07, 11.92)	-3.12 (-3.26, -2.98)

location	Number in 1990 (95% UI)	Rate in 1990 (95% UI)	Number in 2021 (95% UI)	Rate in 2021 (95% UI)	EAPC in ASIR between 1990 and 2021
Algeria	9614.23 (7287.79, 12403.62)	95.15 (72.12, 122.75)	6006.62 (4619.98, 7727.96)	35.28 (27.13, 45.39)	-3.23 (-3.32, -3.15)
American Samoa	3.90 (2.98, 4.93)	19.29 (14.71, 24.35)	2.72 (2.11, 3.33)	15.59 (12.05, 19.04)	-0.70 (-0.85, -0.55)
Andorra	3.77 (2.79, 5.05)	15.06 (11.16, 20.20)	1.30 (0.96, 1.76)	5.08 (3.75, 6.92)	-3.20 (-3.50, -2.89)
Angola	15451.91 (12411.98, 18276.25)	394.92 (317.23, 467.11)	30786.07 (23548.87, 38215.00)	253.05 (193.56, 314.11)	-1.12 (-1.30, -0.95)
Antigua and Barbuda	7.16 (5.32, 9.38)	27.76 (20.64, 36.36)	4.81 (3.58, 6.53)	13.98 (10.40, 18.98)	-2.11 (-2.22, -2.01)
Argentina	3516.42 (2591.73, 4712.44)	28.79 (21.22, 38.58)	3554.29 (2694.03, 4686.54)	20.28 (15.37, 26.75)	-0.73 (-0.93, -0.53)
Armenia	757.23 (586.36, 952.10)	52.69 (40.80, 66.25)	285.79 (225.37, 371.07)	26.58 (20.96, 34.52)	-2.16 (-2.68, -1.64)
Australia	664.01 (488.33, 896.67)	9.80 (7.21, 13.24)	657.55 (512.37, 839.74)	7.58 (5.91, 9.69)	0.02 (-0.30, 0.34)
Austria	510.31 (385.29, 682.01)	17.00 (12.83, 22.72)	215.81 (166.54, 278.57)	7.65 (5.90, 9.87)	-2.68 (-2.91, -2.44)
Azerbaijan	3504.81 (2794.56, 4244.45)	110.28 (87.93, 133.55)	2957.11 (2299.26, 3828.84)	69.81 (54.28, 90.39)	-1.75 (-2.03, -1.46)
Bahamas	25.12 (18.69, 32.30)	21.29 (15.83, 27.37)	13.99 (9.99, 19.36)	9.05 (6.46, 12.52)	-2.53 (-2.67, -2.39)
Bahrain	64.56 (49.74, 82.03)	25.19 (19.40, 32.00)	98.23 (75.22, 129.72)	13.96 (10.69, 18.44)	-2.46 (-2.78, -2.15)
Bangladesh	185341.26 (140559.67, 234107.20)	439.09 (333.00, 554.62)	84164.73 (65496.03, 109603.49)	122.31 (95.18, 159.27)	-4.02 (-4.14, -3.91)
Barbados	11.14 (8.27, 14.68)	10.21 (7.58, 13.45)	4.57 (3.39, 6.15)	4.63 (3.43, 6.23)	-2.33 (-2.52, -2.14)
Belarus	2776.05 (2154.01, 3585.29)	70.38 (54.61, 90.89)	817.16 (618.26, 1091.47)	27.85 (21.07, 37.20)	-3.13 (-3.64, -2.62)
Belgium	514.95 (391.04, 678.50)	13.84 (10.51, 18.24)	339.67 (263.05, 437.80)	9.70 (7.51, 12.50)	-0.55 (-0.72, -0.38)
Belize	31.09 (23.65, 39.41)	42.49 (32.32, 53.86)	29.69 (21.38, 40.63)	15.73 (11.33, 21.52)	-3.42 (-3.52, -3.32)
Benin	2959.32 (2368.45, 3580.31)	173.79 (139.09, 210.26)	4292.83 (3243.73, 5543.92)	81.88 (61.87, 105.75)	-2.10 (-2.32, -1.87)
Bermuda	8.76 (6.44, 11.91)	34.08 (25.05, 46.31)	2.71 (2.03, 3.69)	15.48 (11.57, 21.09)	-2.53 (-2.62, -2.44)
Bhutan	590.43 (452.11, 750.77)	219.12 (167.79, 278.62)	328.20 (256.17, 438.56)	94.69 (73.91, 126.53)	-2.84 (-2.94, -2.73)
Bolivia (Plurinational State of)	6031.80 (4782.11, 7312.90)	244.59 (193.92, 296.54)	3550.58 (2765.11, 4564.56)	72.25 (56.27, 92.89)	-4.29 (-4.44, -4.15)
Bosnia and Herzegovina	720.96 (570.82, 894.59)	37.96 (30.06, 47.11)	157.70 (123.19, 205.91)	15.67 (12.24, 20.46)	-3.23 (-3.44, -3.03)
Botswana	1747.66 (1180.32, 2464.45)	339.51 (229.29, 478.75)	5194.56 (3778.21, 7093.88)	487.58 (354.64, 665.86)	0.47 (-0.20, 1.16)
Brazil	34464.36 (25808.18, 44046.54)	54.93 (41.13, 70.20)	31238.41 (23877.48, 42252.51)	36.64 (28.01, 49.56)	-1.03 (-1.18, -0.88)
Brunei Darussalam	103.61 (83.96, 123.83)	84.04 (68.10, 100.44)	87.82 (68.03, 113.45)	43.04 (33.34, 55.60)	-2.23 (-2.31, -2.16)
Bulgaria	656.00 (515.50, 834.67)	22.04 (17.32, 28.04)	256.71 (201.84, 329.51)	13.51 (10.63, 17.35)	-2.26 (-2.90, -1.61)
Burkina Faso	5520.53 (3624.01, 7370.46)	173.17 (113.68, 231.19)	9834.79 (7461.58, 12703.32)	113.64 (86.22, 146.78)	-1.30 (-1.71, -0.88)
Burundi	9772.76 (7021.09, 12688.35)	471.43 (338.69, 612.08)	15289.14 (11882.33, 19633.55)	289.99 (225.37, 372.39)	-1.48 (-1.82, -1.13)
Cabo Verde	231.36 (175.21, 292.14)	176.93 (133.99, 223.42)	145.67 (113.10, 191.76)	58.13 (45.13, 76.52)	-3.58 (-3.72, -3.43)
Cambodia	18777.70 (16052.11, 21909.21)	487.70 (416.91, 569.03)	14681.88 (11625.14, 18252.54)	202.70 (160.50, 252.00)	-2.79 (-2.84, -2.74)
Cameroon	5658.21 (4302.73, 7098.11)	148.77 (113.13, 186.63)	13101.55 (9447.30, 17518.24)	101.62 (73.28, 135.88)	-0.94 (-1.47, -0.41)
Canada	498.63 (350.37, 691.64)	4.49 (3.15, 6.22)	656.54 (505.12, 842.72)	5.53 (4.26, 7.10)	0.84 (0.65, 1.02)
Central African Republic	4269.36 (3091.66, 5395.77)	409.99 (296.89, 518.16)	9945.19 (7754.86, 12153.75)	455.53 (355.20, 556.69)	1.23 (0.96, 1.50)
Chad	4583.45 (3437.71, 5747.25)	218.36 (163.77, 273.80)	9740.65 (7370.43, 12755.55)	154.79 (117.12, 202.70)	-0.30 (-0.57, -0.03)
Chile	1589.62 (1228.40, 2085.64)	27.75 (21.45, 36.42)	827.40 (622.38, 1099.76)	11.69 (8.80, 15.54)	-2.81 (-3.15, -2.46)

location	Number in 1990 (95% UI)	Rate in 1990 (95% UI)	Number in 2021 (95% UI)	Rate in 2021 (95% UI)	EAPC in ASIR between 1990 and 2021
China	470245.57 (348501.70, 611303.19)	85.79 (63.58, 111.52)	156760.19 (125645.17, 192888.10)	33.97 (27.23, 41.80)	-3.09 (-3.21, -2.97)
Colombia	4988.18 (3924.46, 6246.96)	35.49 (27.92, 44.45)	3600.87 (2728.10, 4687.58)	17.92 (13.58, 23.33)	-1.96 (-2.24, -1.68)
Comoros	730.40 (574.81, 897.87)	422.83 (332.76, 519.78)	586.52 (459.96, 751.13)	189.33 (148.48, 242.47)	-2.68 (-2.76, -2.59)
Congo	3151.79 (2319.36, 3923.25)	332.70 (244.83, 414.14)	5180.48 (3858.95, 6620.43)	233.82 (174.17, 298.81)	-0.79 (-1.02, -0.57)
Cook Islands	1.57 (1.22, 1.97)	20.36 (15.81, 25.47)	0.72 (0.55, 0.92)	12.26 (9.41, 15.67)	-1.68 (-1.77, -1.59)
Costa Rica	235.51 (181.23, 297.84)	18.33 (14.11, 23.19)	127.13 (96.57, 168.08)	6.68 (5.07, 8.83)	-3.39 (-3.49, -3.30)
Coted'Ivoire	11013.23 (7994.51, 14096.84)	232.84 (169.02, 298.03)	13612.44 (10211.12, 17745.93)	121.41 (91.08, 158.28)	-1.49 (-1.79, -1.19)
Croatia	492.97 (380.40, 646.54)	27.17 (20.96, 35.63)	72.15 (56.16, 93.07)	5.78 (4.50, 7.46)	-5.55 (-5.81, -5.28)
Cuba	537.47 (412.97, 708.03)	11.01 (8.46, 14.51)	181.43 (140.76, 234.46)	5.06 (3.93, 6.54)	-2.82 (-2.95, -2.69)
Cyprus	34.71 (26.41, 46.14)	11.28 (8.59, 15.00)	21.52 (16.58, 28.63)	4.29 (3.30, 5.71)	-3.12 (-3.25, -2.98)
Czechia	406.71 (312.35, 521.60)	10.96 (8.42, 14.06)	115.95 (88.68, 148.99)	3.93 (3.00, 5.05)	-3.51 (-3.68, -3.33)
Democratic People's Republic of Korea	23929.98 (19016.21, 28852.69)	286.90 (227.99, 345.92)	22364.25 (17525.93, 27571.99)	222.34 (174.24, 274.12)	-0.90 (-1.07, -0.72)
Democratic Republic of the Congo	56954.22 (43398.92, 71348.72)	397.58 (302.95, 498.06)	115140.09 (90031.00, 143039.18)	319.07 (249.49, 396.38)	-0.38 (-0.59, -0.16)
Denmark	219.42 (166.71, 293.81)	11.50 (8.74, 15.40)	108.62 (82.97, 139.00)	5.96 (4.55, 7.62)	-2.09 (-2.17, -2.00)
Djibouti	737.98 (603.15, 883.06)	420.92 (344.02, 503.67)	1003.07 (772.62, 1315.64)	185.49 (142.88, 243.29)	-2.47 (-2.67, -2.28)
Dominica	9.39 (7.25, 11.70)	32.16 (24.82, 40.06)	4.03 (3.02, 5.28)	15.57 (11.68, 20.41)	-2.62 (-2.71, -2.52)
Dominican Republic	3081.88 (2371.29, 3791.72)	100.32 (77.19, 123.43)	2310.59 (1762.41, 3016.16)	50.81 (38.76, 66.33)	-2.11 (-2.38, -1.84)
Ecuador	5393.82 (4135.42, 6855.27)	130.72 (100.22, 166.13)	3665.71 (2783.78, 4889.15)	50.18 (38.11, 66.93)	-4.01 (-4.32, -3.70)
Egypt	5885.22 (4832.32, 7188.59)	26.85 (22.04, 32.79)	3800.16 (3024.86, 4689.98)	9.00 (7.17, 11.11)	-3.08 (-3.35, -2.81)
El Salvador	1732.68 (1366.04, 2078.91)	82.93 (65.38, 99.50)	925.75 (711.90, 1230.02)	35.72 (27.47, 47.46)	-2.84 (-2.97, -2.71)
Equatorial Guinea	641.61 (505.76, 771.72)	424.90 (334.94, 511.07)	940.71 (689.01, 1225.43)	135.23 (99.05, 176.17)	-3.85 (-3.98, -3.73)
Eritrea	9559.87 (7607.97, 11508.46)	737.70 (587.08, 888.07)	11562.20 (8951.93, 14703.22)	412.94 (319.72, 525.12)	-1.62 (-1.74, -1.50)
Estonia	366.00 (281.98, 466.78)	64.44 (49.65, 82.18)	50.60 (37.82, 70.78)	12.80 (9.56, 17.90)	-6.07 (-6.45, -5.68)
Eswatini	2672.31 (1986.18, 3358.68)	886.74 (659.06, 1114.49)	3064.21 (2147.54, 4271.66)	601.85 (421.80, 839.01)	0.85 (0.13, 1.57)
Ethiopia	77408.89 (58691.28, 96147.22)	423.70 (321.25, 526.27)	94708.15 (74547.50, 116147.77)	204.31 (160.82, 250.56)	-2.19 (-2.37, -2.01)
Fiji	176.67 (140.68, 216.57)	54.79 (43.63, 67.16)	108.07 (87.47, 131.15)	30.29 (24.52, 36.76)	-2.10 (-2.24, -1.95)
Finland	187.46 (141.06, 253.62)	10.33 (7.77, 13.97)	82.73 (63.45, 107.50)	4.97 (3.81, 6.45)	-1.97 (-2.22, -1.71)
France	3771.85 (2737.21, 5229.61)	17.14 (12.44, 23.77)	1667.65 (1283.01, 2144.11)	8.39 (6.46, 10.79)	-2.09 (-2.34, -1.84)
Gabon	705.01 (511.55, 893.87)	183.29 (133.00, 232.40)	1265.88 (920.98, 1680.35)	168.88 (122.87, 224.18)	0.23 (-0.09, 0.56)
Gambia	1219.40 (948.06, 1495.26)	323.42 (251.45, 396.58)	1475.08 (1083.30, 1933.47)	147.49 (108.32, 193.32)	-2.18 (-2.28, -2.08)
Georgia	1491.73 (1171.30, 1863.03)	70.07 (55.02, 87.51)	790.32 (628.64, 1016.16)	69.65 (55.40, 89.55)	0.44 (-0.22, 1.10)
Germany	4245.58 (3196.49, 5822.69)	14.29 (10.76, 19.60)	2268.01 (1755.47, 2884.53)	8.97 (6.94, 11.40)	-1.31 (-1.98, -0.64)
Ghana	14327.74 (11110.08, 17270.63)	249.61 (193.55, 300.87)	19670.90 (14512.07, 26716.20)	137.54 (101.47, 186.80)	-1.29 (-1.53, -1.05)
Greece	333.84 (248.33, 448.11)	8.88 (6.61, 11.92)	116.88 (88.98, 150.07)	4.20 (3.20, 5.39)	-2.06 (-2.25, -1.86)
Greenland	18.60 (13.86, 25.91)	70.26 (52.38, 97.90)	15.20 (11.46, 19.99)	74.50 (56.18, 98.00)	1.82 (1.19, 2.46)

location	Number in 1990 (95% UI)	Rate in 1990 (95% UI)	Number in 2021 (95% UI)	Rate in 2021 (95% UI)	EAPC in ASIR between 1990 and 2021
Grenada	5.75 (4.39, 7.34)	17.25 (13.16, 22.01)	3.66 (2.76, 4.84)	9.05 (6.82, 11.97)	-2.15 (-2.23, -2.06)
Guam	24.82 (19.05, 31.82)	39.13 (30.03, 50.16)	19.93 (15.61, 24.97)	35.95 (28.15, 45.05)	-0.39 (-0.56, -0.21)
Guatemala	1078.74 (881.40, 1285.35)	36.52 (29.84, 43.51)	989.42 (757.66, 1265.97)	14.54 (11.13, 18.60)	-2.91 (-3.13, -2.68)
Guinea	2894.55 (2227.44, 3613.05)	140.89 (108.42, 175.87)	5740.65 (4289.01, 7647.93)	111.10 (83.01, 148.01)	0.22 (-0.16, 0.60)
Guinea-Bissau	945.17 (717.45, 1230.24)	254.87 (193.47, 331.74)	1244.38 (870.63, 1705.69)	147.48 (103.18, 202.15)	-0.88 (-1.25, -0.50)
Guyana	151.36 (118.15, 183.25)	44.47 (34.71, 53.84)	121.23 (92.00, 159.61)	39.01 (29.61, 51.37)	0.68 (0.07, 1.30)
Haiti	2981.37 (2303.18, 3662.23)	122.47 (94.61, 150.44)	4368.83 (3364.36, 5453.61)	79.59 (61.29, 99.35)	-1.28 (-1.35, -1.20)
Honduras	966.65 (769.20, 1183.52)	55.99 (44.55, 68.55)	1147.88 (871.06, 1473.06)	26.11 (19.82, 33.51)	-2.89 (-3.07, -2.71)
Hungary	657.56 (502.14, 839.49)	17.79 (13.59, 22.71)	115.20 (91.16, 146.46)	4.19 (3.31, 5.32)	-5.06 (-5.35, -4.76)
Iceland	11.14 (8.32, 14.81)	10.72 (8.01, 14.26)	6.30 (4.70, 8.21)	5.26 (3.93, 6.86)	-1.92 (-2.07, -1.77)
India	1128643.95 (807551.04, 1545271.53)	330.95 (236.80, 453.12)	1180870.22 (943034.65, 1517919.74)	193.76 (154.73, 249.06)	-2.30 (-2.46, -2.14)
Indonesia	234734.14 (189214.07, 282221.52)	300.77 (242.45, 361.62)	138833.40 (110976.47, 166478.42)	121.92 (97.46, 146.19)	-3.20 (-3.31, -3.09)
Iran (Islamic Republic of)	3541.30 (2690.61, 4486.62)	16.31 (12.39, 20.66)	4000.71 (3079.96, 5235.18)	11.53 (8.88, 15.09)	-1.00 (-1.23, -0.76)
Iraq	4234.77 (3248.21, 5360.69)	58.94 (45.21, 74.61)	3485.97 (2677.99, 4464.96)	19.99 (15.36, 25.61)	-3.65 (-3.89, -3.41)
Ireland	188.24 (140.72, 258.29)	13.72 (10.26, 18.83)	100.19 (76.63, 131.88)	6.40 (4.90, 8.43)	-1.97 (-2.20, -1.74)
Israel	175.99 (130.37, 234.97)	9.21 (6.82, 12.30)	123.11 (93.72, 159.71)	3.70 (2.82, 4.81)	-2.90 (-2.97, -2.82)
Italy	3488.31 (2641.77, 4727.00)	16.34 (12.37, 22.14)	1597.58 (1209.63, 2124.15)	10.11 (7.66, 13.45)	-1.15 (-1.36, -0.94)
Jamaica	70.60 (50.49, 92.70)	7.18 (5.14, 9.43)	34.31 (24.77, 47.42)	2.88 (2.08, 3.97)	-3.02 (-3.23, -2.81)
Japan	5709.13 (4160.91, 7715.58)	12.74 (9.28, 17.22)	1955.09 (1480.74, 2537.92)	6.03 (4.57, 7.83)	-2.19 (-2.28, -2.11)
Jordan	190.09 (143.92, 246.55)	12.37 (9.36, 16.04)	257.01 (194.26, 331.37)	4.79 (3.62, 6.17)	-3.36 (-3.51, -3.21)
Kazakhstan	10164.08 (7967.29, 12815.42)	149.71 (117.36, 188.77)	4656.55 (3600.12, 6062.58)	66.81 (51.66, 86.99)	-3.17 (-4.03, -2.30)
Kenya	25894.60 (18517.79, 33818.39)	295.68 (211.45, 386.16)	45970.10 (34951.64, 58329.64)	212.32 (161.43, 269.40)	-1.04 (-1.42, -0.66)
Kiribati	102.28 (83.71, 120.64)	334.99 (274.17, 395.12)	150.55 (125.61, 175.58)	302.77 (252.62, 353.11)	-0.37 (-0.42, -0.32)
Kuwait	270.98 (212.02, 347.23)	32.06 (25.09, 41.09)	359.20 (271.71, 476.79)	16.92 (12.80, 22.46)	-1.95 (-2.20, -1.70)
Kyrgyzstan	2393.73 (1892.47, 2932.29)	132.72 (104.93, 162.58)	2559.79 (1994.71, 3289.99)	94.06 (73.29, 120.89)	-1.01 (-1.33, -0.69)
Lao People's Democratic Republic	5349.65 (4128.52, 6679.00)	346.25 (267.22, 432.29)	2623.86 (1996.93, 3357.43)	81.79 (62.25, 104.66)	-5.14 (-5.33, -4.95)
Latvia	731.98 (571.26, 922.22)	76.73 (59.88, 96.67)	157.22 (118.05, 212.87)	29.19 (21.92, 39.52)	-3.55 (-3.93, -3.17)
Lebanon	351.02 (273.29, 443.23)	30.45 (23.71, 38.45)	218.93 (169.20, 289.52)	9.44 (7.29, 12.48)	-3.98 (-4.05, -3.91)
Lesotho	2892.61 (2024.50, 3792.83)	536.10 (375.21, 702.94)	4997.22 (3451.37, 6922.41)	600.76 (414.92, 832.20)	1.84 (1.35, 2.33)
Liberia	2879.49 (2313.70, 3475.87)	312.11 (250.78, 376.75)	2432.02 (1874.22, 3125.99)	108.32 (83.48, 139.23)	-3.81 (-4.02, -3.60)
Libya	741.27 (558.50, 932.03)	44.12 (33.24, 55.47)	690.03 (521.27, 906.85)	23.00 (17.37, 30.22)	-2.04 (-2.20, -1.89)
Lithuania	1221.01 (952.11, 1574.87)	87.63 (68.33, 113.03)	309.96 (242.94, 397.79)	38.50 (30.18, 49.41)	-2.81 (-3.09, -2.52)
Luxembourg	32.37 (24.11, 44.69)	21.93 (16.34, 30.28)	25.97 (19.64, 33.62)	11.77 (8.90, 15.24)	-1.86 (-2.02, -1.69)
Madagascar	24946.00 (19829.91, 30340.87)	550.73 (437.78, 669.83)	27432.61 (21662.57, 35219.79)	234.25 (184.98, 300.75)	-2.32 (-2.44, -2.21)
Malawi	7753.55 (4586.25, 11577.27)	207.51 (122.74, 309.84)	19998.33 (13783.39, 28147.38)	244.38 (168.44, 343.97)	-0.32 (-0.99, 0.35)

location	Number in 1990 (95% UI)	Rate in 1990 (95% UI)	Number in 2021 (95% UI)	Rate in 2021 (95% UI)	EAPC in ASIR between 1990 and 2021
Malaysia	6020.58 (4706.43, 7345.61)	81.12 (63.41, 98.97)	6591.01 (5071.82, 8440.62)	47.41 (36.48, 60.71)	-1.95 (-2.09, -1.81)
Maldives	116.42 (93.90, 138.42)	143.25 (115.54, 170.33)	103.93 (81.10, 130.56)	39.95 (31.17, 50.18)	-4.85 (-5.15, -4.54)
Mali	6723.72 (5432.07, 7958.28)	225.20 (181.94, 266.55)	9297.81 (7011.84, 12191.67)	104.39 (78.72, 136.88)	-2.00 (-2.19, -1.82)
Malta	68.77 (51.71, 90.93)	49.84 (37.47, 65.90)	58.87 (44.44, 76.53)	43.98 (33.20, 57.18)	0.47 (0.09, 0.85)
Marshall Islands	72.95 (59.18, 86.91)	425.32 (345.04, 506.68)	81.19 (66.34, 95.82)	342.28 (279.65, 403.95)	-0.75 (-0.89, -0.61)
Mauritania	1109.79 (892.86, 1323.35)	144.35 (116.13, 172.13)	728.55 (547.92, 959.12)	42.68 (32.10, 56.19)	-3.64 (-3.89, -3.40)
Mauritius	89.97 (70.42, 110.83)	18.10 (14.17, 22.29)	54.12 (41.48, 68.79)	11.89 (9.11, 15.11)	-1.38 (-1.56, -1.20)
Mexico	8490.09 (6775.68, 10367.22)	23.81 (19.00, 29.07)	7785.38 (6001.03, 10495.17)	15.11 (11.65, 20.37)	-1.94 (-2.26, -1.61)
Micronesia (Federated States of)	46.05 (37.10, 54.35)	114.93 (92.60, 135.66)	31.37 (25.31, 37.41)	73.87 (59.61, 88.09)	-1.35 (-1.45, -1.24)
Monaco	1.15 (0.87, 1.51)	12.51 (9.54, 16.51)	0.54 (0.41, 0.71)	5.76 (4.35, 7.64)	-2.57 (-2.65, -2.49)
Mongolia	2124.04 (1732.24, 2512.32)	240.36 (196.03, 284.30)	1536.40 (1221.12, 1965.01)	121.73 (96.75, 155.69)	-2.12 (-2.47, -1.76)
Montenegro	39.55 (30.79, 51.45)	15.76 (12.26, 20.50)	15.78 (12.04, 20.89)	7.67 (5.85, 10.15)	-2.78 (-3.00, -2.55)
Morocco	14954.97 (11409.67, 18633.45)	143.84 (109.74, 179.22)	8432.71 (6502.20, 10909.17)	57.44 (44.29, 74.31)	-3.03 (-3.16, -2.89)
Mozambique	20574.48 (15121.30, 26504.85)	433.78 (318.81, 558.81)	41589.56 (27655.24, 59067.28)	345.90 (230.01, 491.26)	0.34 (-0.14, 0.82)
Myanmar	77029.25 (63928.18, 90484.68)	448.70 (372.38, 527.07)	29808.58 (23687.32, 35882.70)	132.59 (105.36, 159.61)	-3.69 (-3.94, -3.44)
Namibia	4183.45 (3095.17, 5198.32)	748.10 (553.49, 929.58)	5475.51 (4102.18, 7192.41)	523.93 (392.52, 688.22)	-0.10 (-0.45, 0.25)
Nauru	7.52 (6.06, 9.04)	186.03 (149.80, 223.47)	6.92 (5.55, 8.21)	148.73 (119.29, 176.31)	-0.74 (-1.01, -0.48)
Nepal	25614.30 (21254.11, 30333.13)	350.64 (290.95, 415.23)	14413.36 (11464.61, 18532.03)	107.50 (85.51, 138.22)	-3.99 (-4.05, -3.93)
Netherlands	718.32 (531.59, 948.74)	11.91 (8.82, 15.73)	351.79 (268.50, 454.33)	6.66 (5.08, 8.60)	-1.83 (-1.95, -1.71)
New Zealand	185.57 (140.95, 246.90)	13.43 (10.20, 17.87)	196.80 (148.91, 259.04)	10.93 (8.27, 14.38)	-0.55 (-1.08, -0.01)
Nicaragua	1014.72 (834.42, 1212.06)	68.75 (56.53, 82.12)	804.46 (630.67, 1030.88)	28.27 (22.16, 36.22)	-3.16 (-3.27, -3.04)
Niger	7806.57 (6238.53, 9245.36)	280.47 (224.14, 332.17)	12566.60 (9696.16, 15930.07)	140.92 (108.73, 178.64)	-1.96 (-2.05, -1.87)
Nigeria	74870.58 (57858.97, 91846.34)	219.28 (169.45, 269.00)	111364.06 (84285.30, 146448.24)	123.82 (93.71, 162.83)	-1.78 (-2.22, -1.33)
Niue	0.33 (0.26, 0.40)	41.20 (32.51, 49.98)	0.15 (0.12, 0.18)	26.47 (20.66, 32.46)	-1.58 (-1.63, -1.53)
North Macedonia	204.58 (162.89, 251.73)	25.76 (20.51, 31.70)	76.01 (60.07, 99.58)	9.94 (7.85, 13.02)	-3.60 (-3.78, -3.41)
Northern Mariana Islands	28.12 (22.04, 35.67)	120.08 (94.10, 152.30)	12.76 (9.96, 15.84)	77.39 (60.41, 96.04)	-1.52 (-1.64, -1.40)
Norway	135.12 (101.21, 181.00)	8.45 (6.33, 11.31)	110.33 (81.94, 146.79)	6.22 (4.62, 8.27)	-0.50 (-0.99, -0.00)
Oman	177.10 (138.19, 223.88)	21.34 (16.66, 26.98)	146.13 (112.42, 190.24)	6.31 (4.86, 8.22)	-3.86 (-4.03, -3.68)
Pakistan	134313.92 (105489.87, 165809.56)	329.16 (258.52, 406.35)	150730.74 (118934.80, 192542.86)	152.40 (120.25, 194.67)	-2.64 (-2.88, -2.40)
Palau	3.18 (2.49, 3.95)	45.52 (35.69, 56.65)	2.59 (2.05, 3.19)	44.04 (34.83, 54.09)	0.04 (-0.02, 0.10)
Palestine	142.03 (107.63, 180.41)	18.51 (14.02, 23.51)	158.20 (119.62, 205.37)	7.24 (5.48, 9.41)	-3.06 (-3.12, -3.00)
Panama	483.64 (373.69, 614.78)	47.81 (36.94, 60.78)	482.59 (365.32, 649.72)	29.24 (22.13, 39.37)	-1.13 (-1.30, -0.96)
Papua New Guinea	2445.14 (1985.87, 2901.25)	147.73 (119.98, 175.28)	4931.34 (4058.03, 5798.53)	115.23 (94.82, 135.49)	-0.81 (-0.90, -0.71)
Paraguay	696.42 (534.97, 873.75)	44.43 (34.13, 55.75)	869.34 (659.44, 1158.32)	28.41 (21.55, 37.86)	-1.37 (-1.41, -1.33)
Peru	23408.14 (17687.37, 29560.01)	263.86 (199.38, 333.21)	12544.96 (9768.02, 16756.74)	84.41 (65.73, 112.76)	-4.10 (-4.67, -3.53)

location	Number in 1990 (95% UI)	Rate in 1990 (95% UI)	Number in 2021 (95% UI)	Rate in 2021 (95% UI)	EAPC in ASIR between 1990 and 2021
Philippines	48581.39 (40256.63, 58074.79)	187.43 (155.32, 224.06)	125277.41 (103140.89, 150051.71)	265.14 (218.29, 317.57)	1.18 (1.02, 1.34)
Poland	4109.91 (3157.33, 5275.24)	28.45 (21.86, 36.52)	1102.34 (838.03, 1520.07)	9.11 (6.93, 12.56)	-4.03 (-4.29, -3.77)
Portugal	1820.48 (1365.50, 2402.15)	48.08 (36.07, 63.45)	432.16 (335.40, 555.09)	14.64 (11.36, 18.81)	-4.10 (-4.31, -3.89)
Puerto Rico	93.14 (63.23, 127.93)	6.58 (4.47, 9.04)	24.16 (17.88, 32.19)	2.34 (1.73, 3.11)	-3.64 (-3.87, -3.41)
Qatar	181.37 (142.43, 233.21)	76.71 (60.24, 98.63)	379.32 (294.43, 504.22)	22.95 (17.82, 30.51)	-4.04 (-4.19, -3.90)
Republic of Korea	23668.21 (20246.97, 27166.88)	112.45 (96.19, 129.07)	4800.36 (3798.63, 6222.93)	30.00 (23.74, 38.89)	-3.46 (-3.76, -3.17)
Republic of Moldova	1829.98 (1450.97, 2277.38)	105.00 (83.25, 130.67)	902.67 (701.65, 1201.88)	72.78 (56.57, 96.91)	-0.60 (-1.04, -0.16)
Romania	6825.35 (5425.54, 8445.96)	78.57 (62.46, 97.22)	2238.68 (1752.87, 2932.36)	41.54 (32.53, 54.41)	-2.03 (-2.38, -1.67)
Russian Federation	93946.27 (73906.29, 117810.63)	161.50 (127.05, 202.52)	43943.21 (32488.92, 61035.27)	94.55 (69.91, 131.33)	-2.70 (-3.56, -1.83)
Rwanda	9412.39 (6993.68, 12420.34)	343.45 (255.19, 453.20)	10011.91 (7607.01, 13265.34)	176.53 (134.13, 233.90)	-1.55 (-1.78, -1.32)
Saint Kitts and Nevis	4.60 (3.66, 5.56)	26.60 (21.15, 32.17)	1.65 (1.20, 2.23)	7.26 (5.29, 9.81)	-4.31 (-4.63, -4.00)
Saint Lucia	13.87 (10.73, 17.88)	24.65 (19.06, 31.78)	5.90 (4.48, 7.87)	8.92 (6.78, 11.91)	-3.49 (-3.71, -3.28)
Saint Vincent and the Grenadines	12.22 (9.20, 16.02)	26.60 (20.03, 34.88)	4.28 (3.12, 5.89)	10.36 (7.55, 14.27)	-3.20 (-3.31, -3.09)
Samoa	35.54 (27.75, 43.58)	53.08 (41.44, 65.07)	31.58 (25.09, 39.06)	39.31 (31.23, 48.62)	-0.97 (-1.03, -0.91)
San Marino	0.52 (0.39, 0.69)	5.49 (4.15, 7.32)	0.23 (0.17, 0.29)	2.53 (1.93, 3.21)	-2.74 (-2.87, -2.62)
Sao Tome and Principe	53.56 (42.46, 65.32)	124.76 (98.91, 152.15)	42.90 (32.61, 56.86)	47.20 (35.88, 62.56)	-3.00 (-3.21, -2.79)
Saudi Arabia	5924.17 (4897.56, 7066.33)	89.15 (73.70, 106.34)	6844.53 (5330.55, 9116.12)	36.95 (28.78, 49.22)	-2.62 (-2.66, -2.58)
Senegal	5626.15 (4387.66, 6719.13)	203.89 (159.00, 243.49)	6000.54 (4597.02, 7691.83)	93.06 (71.30, 119.29)	-2.61 (-2.83, -2.38)
Serbia	589.50 (431.91, 780.08)	16.42 (12.03, 21.72)	212.39 (159.49, 279.20)	7.16 (5.38, 9.42)	-2.98 (-3.12, -2.85)
Seychelles	12.87 (10.19, 15.94)	41.22 (32.65, 51.06)	10.60 (8.30, 13.22)	27.60 (21.61, 34.45)	-1.52 (-1.61, -1.43)
Sierra Leone	4819.11 (3882.25, 5888.91)	301.68 (243.03, 368.65)	6469.80 (4925.84, 8509.37)	173.47 (132.07, 228.15)	-1.65 (-2.11, -1.19)
Singapore	704.68 (559.09, 863.55)	46.69 (37.04, 57.22)	559.88 (428.12, 746.80)	29.10 (22.25, 38.82)	-0.84 (-1.27, -0.41)
Slovakia	216.62 (168.00, 271.14)	10.58 (8.21, 13.25)	69.24 (52.72, 89.02)	4.05 (3.08, 5.20)	-3.16 (-3.24, -3.08)
Slovenia	137.47 (105.10, 180.79)	17.94 (13.71, 23.59)	23.38 (17.79, 30.27)	4.11 (3.12, 5.32)	-5.43 (-5.69, -5.17)
Solomon Islands	106.91 (86.44, 127.40)	83.35 (67.39, 99.32)	175.58 (143.13, 204.90)	64.19 (52.33, 74.91)	-0.82 (-0.86, -0.78)
Somalia	18470.67 (14477.45, 23004.27)	637.08 (499.35, 793.45)	34514.92 (26590.94, 44379.96)	416.31 (320.73, 535.30)	-1.14 (-1.29, -0.99)
South Africa	103250.33 (82308.67, 123181.68)	656.15 (523.07, 782.81)	205724.56 (162922.01, 250315.64)	848.45 (671.93, 1032.36)	2.06 (1.59, 2.52)
South Sudan	11021.61 (8544.50, 13513.55)	477.44 (370.14, 585.39)	12231.45 (9299.11, 15787.22)	339.85 (258.37, 438.64)	-0.90 (-1.03, -0.78)
Spain	4137.65 (3086.07, 5460.92)	27.90 (20.81, 36.82)	963.08 (731.61, 1253.88)	7.76 (5.89, 10.10)	-3.69 (-3.86, -3.52)
Sri Lanka	3781.94 (2920.17, 4917.37)	51.14 (39.49, 66.50)	2952.80 (2325.16, 3689.91)	36.61 (28.83, 45.75)	-1.75 (-1.93, -1.57)
Sudan	7668.87 (6035.33, 9523.60)	100.63 (79.20, 124.97)	6692.98 (5085.97, 8769.16)	36.21 (27.51, 47.44)	-3.29 (-3.40, -3.19)
Suriname	51.28 (38.76, 64.19)	31.49 (23.80, 39.42)	35.18 (26.49, 46.80)	16.39 (12.34, 21.80)	-2.17 (-2.35, -2.00)
Sweden	230.69 (175.47, 303.54)	7.86 (5.98, 10.34)	339.03 (247.16, 455.74)	10.46 (7.62, 14.06)	1.89 (1.61, 2.17)
Switzerland	376.76 (286.15, 505.94)	14.30 (10.86, 19.20)	230.18 (177.73, 294.51)	8.29 (6.40, 10.61)	-1.19 (-1.41, -0.97)
Syrian Arab Republic	974.15 (742.70, 1230.53)	20.31 (15.48, 25.65)	486.56 (371.34, 619.65)	9.57 (7.30, 12.18)	-2.37 (-2.76, -1.98)

location	Number in 1990 (95% UI)	Rate in 1990 (95% UI)	Number in 2021 (95% UI)	Rate in 2021 (95% UI)	EAPC in ASIR between 1990 and 2021
Taiwan (Province of China)	2929.40 (2238.99, 3763.39)	31.75 (24.27, 40.79)	2227.58 (1674.78, 2898.43)	29.52 (22.20, 38.42)	-2.11 (-2.59, -1.62)
Tajikistan	3154.12 (2469.39, 3810.84)	149.15 (116.77, 180.21)	2666.40 (2111.96, 3396.18)	63.92 (50.63, 81.42)	-3.08 (-3.47, -2.70)
Thailand	35024.70 (27177.86, 43781.62)	135.06 (104.80, 168.83)	22152.79 (16145.42, 29751.36)	104.50 (76.16, 140.34)	-0.52 (-0.66, -0.38)
Timor-Leste	1115.29 (925.75, 1325.08)	350.39 (290.84, 416.30)	1121.70 (891.43, 1345.42)	196.33 (156.03, 235.49)	-2.34 (-2.59, -2.09)
Togo	3778.86 (2937.89, 4694.40)	275.65 (214.31, 342.44)	4829.88 (3655.25, 6214.96)	143.55 (108.64, 184.72)	-1.52 (-1.74, -1.29)
Tokelau	0.30 (0.24, 0.37)	52.42 (41.24, 63.58)	0.15 (0.12, 0.18)	30.18 (23.63, 36.85)	-1.89 (-1.96, -1.83)
Tonga	13.67 (10.71, 16.97)	37.05 (29.04, 46.00)	11.38 (8.82, 13.98)	29.25 (22.68, 35.94)	-0.73 (-0.75, -0.70)
Trinidad and Tobago	69.48 (52.10, 91.49)	13.86 (10.39, 18.25)	43.99 (31.89, 60.31)	8.84 (6.41, 12.12)	-0.92 (-1.22, -0.62)
Tunisia	1914.56 (1453.89, 2406.26)	55.66 (42.27, 69.95)	832.89 (637.86, 1093.34)	19.14 (14.66, 25.12)	-3.56 (-3.66, -3.46)
Turkey	9351.54 (7331.76, 11642.35)	39.10 (30.65, 48.67)	3055.21 (2327.90, 4052.83)	9.59 (7.31, 12.72)	-5.12 (-5.31, -4.93)
Turkmenistan	1396.20 (1114.33, 1709.50)	90.95 (72.59, 111.36)	1266.41 (960.33, 1676.26)	60.89 (46.17, 80.59)	-1.42 (-1.74, -1.10)
Tuvalu	11.31 (9.18, 13.37)	313.41 (254.34, 370.33)	9.40 (7.46, 11.26)	189.24 (150.11, 226.60)	-1.70 (-1.75, -1.65)
Uganda	14086.14 (10489.26, 18454.86)	219.61 (163.53, 287.71)	42703.38 (31636.47, 54582.65)	248.30 (183.95, 317.37)	-0.09 (-0.30, 0.12)
Ukraine	17457.54 (13413.50, 22455.81)	91.91 (70.62, 118.22)	12182.34 (8828.68, 16668.38)	88.37 (64.05, 120.92)	0.05 (-0.44, 0.54)
United Arab Emirates	135.92 (107.94, 164.94)	14.22 (11.29, 17.25)	176.08 (130.73, 230.10)	4.38 (3.25, 5.73)	-4.16 (-4.42, -3.89)
United Kingdom	4390.43 (3274.49, 5956.66)	21.01 (15.67, 28.50)	2557.38 (1912.06, 3389.75)	11.76 (8.79, 15.58)	-0.99 (-1.44, -0.53)
United Republic of Tanzania	32231.54 (21264.17, 45207.73)	332.66 (219.47, 466.59)	38278.28 (28308.08, 51141.04)	164.05 (121.32, 219.17)	-2.48 (-2.87, -2.09)
United States of America	2970.53 (2046.13, 4311.81)	2.91 (2.00, 4.22)	2580.64 (1933.82, 3420.73)	2.32 (1.74, 3.07)	-1.62 (-2.14, -1.10)
United States Virgin Islands	4.16 (3.16, 5.26)	10.50 (7.97, 13.28)	0.94 (0.71, 1.28)	4.07 (3.09, 5.53)	-3.29 (-3.42, -3.16)
Uruguay	390.96 (298.72, 499.09)	34.42 (26.30, 43.94)	348.03 (254.92, 462.38)	29.09 (21.31, 38.65)	0.11 (-0.22, 0.44)
Uzbekistan	8969.51 (6993.48, 11265.02)	104.50 (81.48, 131.24)	6169.15 (4862.57, 8075.85)	44.91 (35.40, 58.79)	-3.03 (-3.43, -2.62)
Vanuatu	39.76 (31.89, 47.78)	67.87 (54.44, 81.55)	66.13 (53.76, 77.95)	53.06 (43.13, 62.54)	-0.81 (-0.83, -0.80)
Venezuela (Bolivarian Republic of)	2673.21 (2083.31, 3364.88)	33.38 (26.01, 42.01)	2405.06 (1872.72, 3147.00)	25.69 (20.00, 33.61)	-0.78 (-1.26, -0.30)
Viet Nam	47956.88 (40810.69, 56284.38)	168.17 (143.11, 197.37)	47195.36 (38743.12, 54896.18)	122.94 (100.92, 143.00)	-1.01 (-1.18, -0.85)
Yemen	2092.31 (1651.44, 2592.17)	45.52 (35.93, 56.39)	2555.79 (1967.73, 3317.49)	18.57 (14.30, 24.11)	-2.76 (-2.91, -2.62)
Zambia	6061.49 (3466.49, 9125.35)	199.77 (114.25, 300.74)	23805.12 (16595.64, 33497.73)	294.15 (205.06, 413.92)	0.55 (0.07, 1.03)
Zimbabwe	22136.34 (13375.43, 32656.62)	558.35 (337.37, 823.70)	25211.29 (17810.68, 34628.92)	397.80 (281.03, 546.40)	-0.66 (-0.97, -0.34)

**Abbreviation:** EAPC, estimated annual percentage change; ASIR, age-standardized rates for incidence; UI, uncertainty interval; SDI, socio-demographic index; GBD, global burden of disease.

**Supplementary Table SXI.** Chronic obstructive pulmonary disease mortality in 1990 and 2021 in adolescents and young adults and EAPC in ASMR by location

location	Number in 1990 (95% UI)	Rate in 1990 (95% UI)	Number in 2021 (95% UI)	Rate in 2021 (95% UI)	EAPC in ASMR between 1990 and 2021
Global	27212.03 (22704.68, 31030.50)	1.24 (1.04, 1.42)	19922.47 (17912.22, 21966.63)	0.67 (0.60, 0.74)	-2.35 (-2.48, -2.23)
SDI regions					
High SDI	851.41 (792.69, 905.37)	0.25 (0.23, 0.26)	775.11 (699.59, 867.15)	0.22 (0.20, 0.25)	-0.24 (-0.32, -0.16)
High-middle SDI	5528.11 (4873.20, 6128.22)	1.22 (1.08, 1.35)	2127.73 (1939.47, 2362.63)	0.48 (0.44, 0.54)	-3.73 (-3.99, -3.46)
Middle SDI	12758.74 (11069.15, 14322.83)	1.70 (1.47, 1.90)	6353.19 (5729.17, 7349.59)	0.68 (0.62, 0.79)	-3.38 (-3.54, -3.21)
Low-middle SDI	5987.57 (4100.75, 7598.29)	1.32 (0.90, 1.68)	6988.78 (5896.34, 8113.94)	0.87 (0.73, 1.01)	-1.54 (-1.71, -1.38)
Low SDI	2067.12 (1329.52, 2620.93)	1.12 (0.72, 1.42)	3657.12 (2822.13, 4633.89)	0.81 (0.63, 1.03)	-1.14 (-1.23, -1.06)
GBD regions					
Central Asia	422.34 (391.29, 455.21)	1.48 (1.38, 1.60)	280.98 (246.25, 326.09)	0.75 (0.66, 0.87)	-3.69 (-4.22, -3.16)
East Asia	12591.28 (10673.84, 14362.34)	2.23 (1.89, 2.54)	2879.25 (2324.03, 3611.90)	0.60 (0.49, 0.75)	-5.23 (-5.63, -4.83)
South Asia	5103.42 (3167.32, 6773.63)	1.18 (0.73, 1.57)	6170.26 (4793.75, 7457.25)	0.78 (0.61, 0.94)	-1.51 (-1.74, -1.28)
Southeast Asia	2963.26 (2162.23, 3610.11)	1.50 (1.10, 1.83)	3058.35 (2534.76, 3651.53)	1.10 (0.91, 1.32)	-1.18 (-1.33, -1.04)
High-income Asia Pacific	92.00 (82.47, 102.57)	0.14 (0.12, 0.15)	29.85 (27.33, 38.85)	0.06 (0.05, 0.08)	-2.60 (-2.78, -2.43)
Oceania	109.79 (72.21, 157.25)	4.13 (2.72, 5.92)	194.91 (138.69, 272.51)	3.46 (2.46, 4.84)	-0.75 (-0.87, -0.62)
Australasia	8.94 (8.25, 9.65)	0.11 (0.10, 0.12)	11.94 (10.96, 12.89)	0.11 (0.10, 0.12)	-0.05 (-0.55, 0.45)
Central Europe	246.05 (235.74, 256.59)	0.53 (0.50, 0.55)	83.16 (75.70, 90.70)	0.24 (0.22, 0.26)	-2.27 (-2.49, -2.05)
Eastern Europe	698.76 (673.87, 721.41)	0.81 (0.79, 0.84)	349.26 (318.65, 376.87)	0.53 (0.48, 0.57)	-2.53 (-2.97, -2.08)
Western Europe	343.84 (327.68, 359.91)	0.24 (0.23, 0.25)	195.71 (189.86, 201.47)	0.15 (0.15, 0.16)	-1.36 (-1.62, -1.10)
Andean Latin America	103.71 (88.15, 121.99)	0.67 (0.57, 0.79)	81.82 (66.09, 100.79)	0.30 (0.24, 0.37)	-2.46 (-2.62, -2.29)
Central Latin America	369.88 (356.86, 384.65)	0.54 (0.52, 0.56)	488.47 (441.11, 540.70)	0.48 (0.44, 0.53)	-0.69 (-0.93, -0.44)
High-income North America	194.88 (190.57, 199.26)	0.17 (0.17, 0.18)	273.85 (261.01, 286.18)	0.22 (0.21, 0.23)	0.78 (0.39, 1.17)
Southern Latin America	175.00 (165.22, 185.35)	0.92 (0.87, 0.97)	139.28 (131.17, 147.84)	0.54 (0.51, 0.57)	-1.58 (-1.80, -1.36)
Tropical Latin America	555.76 (538.56, 572.72)	0.86 (0.84, 0.89)	536.09 (519.15, 552.60)	0.61 (0.59, 0.63)	-2.18 (-2.69, -1.66)
Caribbean	65.37 (47.25, 83.85)	0.44 (0.32, 0.56)	92.93 (66.84, 132.23)	0.51 (0.37, 0.73)	0.40 (0.27, 0.54)
Central Sub-Saharan Africa	161.20 (84.46, 242.47)	0.78 (0.41, 1.17)	355.92 (217.30, 534.40)	0.66 (0.40, 0.99)	-0.58 (-0.64, -0.52)
Eastern Sub-Saharan Africa	643.37 (395.51, 797.95)	0.91 (0.56, 1.13)	1179.22 (825.88, 1605.48)	0.67 (0.47, 0.92)	-1.15 (-1.24, -1.05)
North Africa and Middle East	1591.89 (1215.49, 1851.12)	1.19 (0.91, 1.38)	2097.64 (1808.80, 2442.41)	0.82 (0.71, 0.96)	-1.01 (-1.12, -0.90)
Southern Sub-Saharan Africa	252.96 (220.28, 299.88)	1.17 (1.02, 1.39)	266.18 (228.06, 327.66)	0.78 (0.67, 0.96)	-1.58 (-2.30, -0.85)
Western Sub-Saharan Africa	518.33 (387.57, 654.26)	0.72 (0.54, 0.91)	1157.39 (923.03, 1452.72)	0.61 (0.48, 0.76)	-0.28 (-0.42, -0.14)
Countries					
Afghanistan	80.51 (54.15, 113.13)	2.56 (1.72, 3.59)	213.50 (151.07, 302.94)	1.75 (1.24, 2.48)	-0.97 (-1.42, -0.51)
Albania	3.98 (3.09, 4.94)	0.28 (0.22, 0.35)	1.34 (0.87, 2.35)	0.14 (0.09, 0.25)	-3.02 (-3.52, -2.51)

location	Number in 1990 (95% UI)	Rate in 1990 (95% UI)	Number in 2021 (95% UI)	Rate in 2021 (95% UI)	EAPC in ASMR between 1990 and 2021
Algeria	82.28 (54.62, 110.82)	0.81 (0.54, 1.10)	119.73 (91.93, 151.09)	0.70 (0.54, 0.89)	-0.66 (-0.78, -0.53)
American Samoa	0.57 (0.43, 0.75)	2.84 (2.14, 3.72)	0.36 (0.26, 0.48)	2.08 (1.51, 2.76)	-1.27 (-1.44, -1.10)
Andorra	0.06 (0.04, 0.08)	0.23 (0.16, 0.31)	0.04 (0.03, 0.06)	0.17 (0.11, 0.25)	-0.63 (-1.00, -0.26)
Angola	32.61 (16.72, 48.78)	0.83 (0.43, 1.25)	56.13 (36.24, 79.15)	0.46 (0.30, 0.65)	-1.86 (-2.05, -1.68)
Antigua and Barbuda	0.01 (0.01, 0.01)	0.05 (0.04, 0.05)	0.02 (0.02, 0.03)	0.06 (0.05, 0.07)	1.81 (1.19, 2.44)
Argentina	137.06 (128.11, 147.25)	1.12 (1.05, 1.21)	104.03 (96.56, 112.17)	0.59 (0.55, 0.64)	-1.91 (-2.18, -1.65)
Armenia	23.72 (21.33, 26.28)	1.65 (1.48, 1.83)	3.58 (3.13, 4.09)	0.33 (0.29, 0.38)	-5.78 (-6.40, -5.16)
Australia	7.27 (6.53, 8.01)	0.11 (0.10, 0.12)	10.03 (9.08, 10.97)	0.12 (0.10, 0.13)	0.27 (-0.19, 0.73)
Austria	3.88 (3.50, 4.27)	0.13 (0.12, 0.14)	3.26 (2.98, 3.54)	0.12 (0.11, 0.13)	-0.32 (-0.69, 0.06)
Azerbaijan	39.80 (31.77, 49.54)	1.25 (1.00, 1.56)	24.07 (17.14, 37.94)	0.57 (0.40, 0.90)	-4.56 (-5.19, -3.92)
Bahamas	0.21 (0.19, 0.25)	0.18 (0.16, 0.21)	0.47 (0.37, 0.58)	0.30 (0.24, 0.37)	1.11 (0.87, 1.35)
Bahrain	2.54 (2.04, 3.01)	0.99 (0.79, 1.17)	4.84 (3.83, 6.09)	0.69 (0.54, 0.87)	-1.63 (-1.94, -1.32)
Bangladesh	575.67 (332.76, 810.51)	1.36 (0.79, 1.92)	519.61 (322.77, 749.89)	0.76 (0.47, 1.09)	-1.90 (-2.08, -1.72)
Barbados	0.10 (0.09, 0.12)	0.09 (0.08, 0.11)	0.10 (0.07, 0.12)	0.10 (0.07, 0.12)	-0.04 (-0.31, 0.24)
Belarus	47.93 (41.26, 54.40)	1.22 (1.05, 1.38)	11.61 (9.34, 14.02)	0.40 (0.32, 0.48)	-5.19 (-5.67, -4.70)
Belgium	13.97 (12.46, 15.74)	0.38 (0.33, 0.42)	8.72 (7.78, 9.68)	0.25 (0.22, 0.28)	-1.34 (-1.66, -1.02)
Belize	0.19 (0.16, 0.27)	0.27 (0.22, 0.37)	1.06 (0.92, 1.22)	0.56 (0.49, 0.64)	2.15 (1.52, 2.79)
Benin	17.38 (11.65, 23.51)	1.02 (0.68, 1.38)	38.45 (26.00, 59.36)	0.73 (0.50, 1.13)	-0.84 (-1.14, -0.55)
Bermuda	0.04 (0.03, 0.05)	0.15 (0.13, 0.18)	0.03 (0.02, 0.04)	0.16 (0.13, 0.20)	-0.47 (-0.88, -0.05)
Bhutan	3.22 (1.39, 4.99)	1.20 (0.51, 1.85)	2.10 (1.19, 3.61)	0.61 (0.34, 1.04)	-2.89 (-3.14, -2.64)
Bolivia (Plurinational State of)	26.92 (18.07, 35.47)	1.09 (0.73, 1.44)	22.08 (14.46, 32.10)	0.45 (0.29, 0.65)	-3.14 (-3.33, -2.94)
Bosnia and Herzegovina	10.27 (8.52, 12.18)	0.54 (0.45, 0.64)	2.11 (1.48, 2.95)	0.21 (0.15, 0.29)	-3.89 (-4.31, -3.48)
Botswana	4.33 (2.29, 6.60)	0.84 (0.45, 1.28)	5.18 (3.31, 7.75)	0.49 (0.31, 0.73)	-1.84 (-2.09, -1.60)
Brazil	551.27 (533.78, 568.47)	0.88 (0.85, 0.91)	528.80 (512.40, 545.32)	0.62 (0.60, 0.64)	-2.17 (-2.68, -1.65)
Brunei Darussalam	0.87 (0.66, 1.11)	0.71 (0.54, 0.90)	0.71 (0.56, 0.91)	0.35 (0.27, 0.44)	-2.50 (-2.82, -2.17)
Bulgaria	15.74 (13.72, 17.46)	0.53 (0.46, 0.59)	7.15 (5.91, 8.57)	0.38 (0.31, 0.45)	-1.02 (-1.27, -0.77)
Burkina Faso	17.04 (11.44, 23.95)	0.53 (0.36, 0.75)	44.04 (29.67, 62.16)	0.51 (0.34, 0.72)	0.18 (0.01, 0.34)
Burundi	31.58 (17.48, 43.84)	1.52 (0.84, 2.11)	44.48 (23.93, 65.48)	0.84 (0.45, 1.24)	-2.48 (-2.90, -2.06)
Cabo Verde	2.42 (1.85, 3.15)	1.85 (1.41, 2.41)	1.05 (0.71, 1.50)	0.42 (0.28, 0.60)	-4.23 (-4.76, -3.70)
Cambodia	43.72 (27.55, 58.12)	1.14 (0.72, 1.51)	60.50 (41.80, 87.91)	0.84 (0.58, 1.21)	-1.32 (-1.45, -1.19)
Cameroon	44.38 (32.89, 58.29)	1.17 (0.86, 1.53)	115.60 (81.10, 154.09)	0.90 (0.63, 1.20)	-0.57 (-0.75, -0.40)
Canada	11.76 (10.65, 13.03)	0.11 (0.10, 0.12)	14.17 (12.68, 15.68)	0.12 (0.11, 0.13)	0.47 (0.25, 0.69)
Central African Republic	10.65 (5.09, 16.63)	1.02 (0.49, 1.60)	21.76 (11.28, 36.73)	1.00 (0.52, 1.68)	-0.22 (-0.31, -0.12)
Chad	20.49 (11.98, 29.18)	0.98 (0.57, 1.39)	59.87 (36.36, 87.89)	0.95 (0.58, 1.40)	0.34 (0.19, 0.49)
Chile	28.86 (26.90, 31.05)	0.50 (0.47, 0.54)	23.34 (21.63, 25.30)	0.33 (0.31, 0.36)	-1.19 (-1.40, -0.97)

location	Number in 1990 (95% UI)	Rate in 1990 (95% UI)	Number in 2021 (95% UI)	Rate in 2021 (95% UI)	EAPC in ASMR between 1990 and 2021
China	12451.91 (10557.05, 14235.21)	2.27 (1.93, 2.60)	2741.75 (2182.30, 3514.16)	0.59 (0.47, 0.76)	-5.35 (-5.76, -4.94)
Colombia	84.94 (78.56, 92.25)	0.60 (0.56, 0.66)	69.05 (57.76, 81.15)	0.34 (0.29, 0.40)	-2.11 (-2.48, -1.74)
Comoros	1.61 (0.77, 2.65)	0.93 (0.44, 1.54)	1.87 (1.08, 2.77)	0.60 (0.35, 0.89)	-2.07 (-2.78, -1.35)
Congo	8.88 (4.53, 14.52)	0.94 (0.48, 1.53)	14.68 (9.14, 23.25)	0.66 (0.41, 1.05)	-1.33 (-1.58, -1.09)
Cook Islands	0.13 (0.09, 0.18)	1.70 (1.19, 2.31)	0.04 (0.03, 0.06)	0.73 (0.50, 1.03)	-2.61 (-2.85, -2.38)
Costa Rica	4.05 (3.68, 4.49)	0.32 (0.29, 0.35)	5.61 (4.98, 6.23)	0.29 (0.26, 0.33)	-0.92 (-1.26, -0.59)
Coted'Ivoire	47.37 (34.10, 61.65)	1.00 (0.72, 1.30)	91.63 (60.40, 126.63)	0.82 (0.54, 1.13)	-0.23 (-0.46, -0.00)
Croatia	7.13 (6.31, 8.07)	0.39 (0.35, 0.44)	1.88 (1.60, 2.18)	0.15 (0.13, 0.17)	-2.68 (-2.87, -2.49)
Cuba	23.73 (20.34, 26.91)	0.49 (0.42, 0.55)	15.47 (13.28, 17.78)	0.43 (0.37, 0.50)	-1.03 (-1.26, -0.80)
Cyprus	0.53 (0.34, 0.69)	0.17 (0.11, 0.23)	0.49 (0.37, 0.65)	0.10 (0.07, 0.13)	-2.56 (-3.06, -2.06)
Czechia	17.18 (15.45, 18.93)	0.46 (0.42, 0.51)	4.47 (3.85, 5.22)	0.15 (0.13, 0.18)	-2.42 (-2.92, -1.91)
Democratic People's Republic of Korea	123.67 (75.99, 188.44)	1.48 (0.91, 2.26)	130.41 (83.70, 204.80)	1.30 (0.83, 2.04)	-0.89 (-1.09, -0.70)
Democratic Republic of the Congo	105.17 (53.48, 166.97)	0.73 (0.37, 1.17)	257.97 (135.88, 423.25)	0.71 (0.38, 1.17)	-0.12 (-0.23, -0.01)
Denmark	7.71 (7.08, 8.39)	0.40 (0.37, 0.44)	5.04 (4.65, 5.43)	0.28 (0.26, 0.30)	-1.33 (-1.67, -0.98)
Djibouti	0.93 (0.52, 1.42)	0.53 (0.30, 0.81)	1.94 (0.99, 3.17)	0.36 (0.18, 0.59)	-1.46 (-1.67, -1.24)
Dominica	0.05 (0.04, 0.07)	0.17 (0.13, 0.22)	0.07 (0.05, 0.09)	0.27 (0.20, 0.35)	1.81 (1.64, 1.98)
Dominican Republic	7.10 (5.46, 9.17)	0.23 (0.18, 0.30)	15.06 (10.58, 23.33)	0.33 (0.23, 0.51)	1.72 (1.41, 2.02)
Ecuador	28.60 (25.99, 31.65)	0.69 (0.63, 0.77)	30.13 (23.85, 37.35)	0.41 (0.33, 0.51)	-1.45 (-1.94, -0.95)
Egypt	395.12 (310.00, 473.19)	1.80 (1.41, 2.16)	359.04 (281.43, 447.04)	0.85 (0.67, 1.06)	-2.56 (-3.00, -2.11)
El Salvador	9.96 (7.74, 12.35)	0.48 (0.37, 0.59)	9.32 (6.94, 12.50)	0.36 (0.27, 0.48)	-0.68 (-1.01, -0.34)
Equatorial Guinea	1.34 (0.69, 2.14)	0.89 (0.45, 1.42)	2.66 (1.50, 4.41)	0.38 (0.22, 0.63)	-3.13 (-3.40, -2.85)
Eritrea	18.25 (11.34, 25.17)	1.41 (0.88, 1.94)	26.71 (15.51, 40.98)	0.95 (0.55, 1.46)	-1.27 (-1.41, -1.13)
Estonia	1.12 (0.97, 1.40)	0.20 (0.17, 0.25)	0.31 (0.26, 0.35)	0.08 (0.07, 0.09)	-4.10 (-4.55, -3.64)
Eswatini	2.46 (1.28, 3.75)	0.82 (0.43, 1.24)	5.61 (3.17, 8.37)	1.10 (0.62, 1.64)	1.49 (0.80, 2.18)
Ethiopia	172.67 (79.43, 226.52)	0.95 (0.43, 1.24)	216.98 (117.69, 307.36)	0.47 (0.25, 0.66)	-2.76 (-2.94, -2.57)
Fiji	6.66 (5.15, 8.62)	2.07 (1.60, 2.67)	4.07 (2.79, 5.63)	1.14 (0.78, 1.58)	-2.22 (-2.44, -2.00)
Finland	3.11 (2.54, 3.68)	0.17 (0.14, 0.20)	1.53 (1.38, 1.69)	0.09 (0.08, 0.10)	-1.70 (-1.92, -1.49)
France	38.17 (34.49, 42.50)	0.17 (0.16, 0.19)	19.86 (17.91, 21.83)	0.10 (0.09, 0.11)	-1.93 (-2.16, -1.70)
Gabon	2.55 (1.71, 3.69)	0.66 (0.44, 0.96)	2.73 (1.58, 4.41)	0.36 (0.21, 0.59)	-2.14 (-2.26, -2.02)
Gambia	3.90 (2.66, 5.34)	1.03 (0.71, 1.42)	10.28 (6.45, 15.46)	1.03 (0.65, 1.55)	-0.00 (-0.38, 0.37)
Georgia	6.56 (5.57, 7.77)	0.31 (0.26, 0.37)	2.75 (2.35, 3.17)	0.24 (0.21, 0.28)	-0.30 (-1.50, 0.91)
Germany	68.41 (56.24, 78.72)	0.23 (0.19, 0.26)	32.58 (29.15, 35.93)	0.13 (0.12, 0.14)	-1.70 (-1.95, -1.44)
Ghana	34.39 (25.11, 45.87)	0.60 (0.44, 0.80)	74.59 (53.30, 102.61)	0.52 (0.37, 0.72)	0.12 (-0.21, 0.44)
Greece	9.74 (9.04, 10.39)	0.26 (0.24, 0.28)	6.11 (5.62, 6.64)	0.22 (0.20, 0.24)	-0.21 (-0.62, 0.20)
Greenland	0.06 (0.04, 0.08)	0.22 (0.16, 0.29)	0.03 (0.02, 0.05)	0.17 (0.11, 0.23)	-1.12 (-1.38, -0.87)

location	Number in 1990 (95% UI)	Rate in 1990 (95% UI)	Number in 2021 (95% UI)	Rate in 2021 (95% UI)	EAPC in ASMR between 1990 and 2021
Grenada	0.08 (0.07, 0.09)	0.24 (0.20, 0.28)	0.10 (0.09, 0.12)	0.26 (0.21, 0.31)	0.12 (-0.12, 0.36)
Guam	0.62 (0.47, 0.76)	0.97 (0.75, 1.20)	0.44 (0.35, 0.54)	0.80 (0.63, 0.97)	-0.92 (-1.34, -0.49)
Guatemala	17.10 (14.35, 19.81)	0.58 (0.49, 0.67)	27.70 (23.82, 32.52)	0.41 (0.35, 0.48)	-1.67 (-2.40, -0.93)
Guinea	21.76 (12.44, 31.57)	1.06 (0.61, 1.54)	49.73 (31.20, 73.65)	0.96 (0.60, 1.43)	0.09 (-0.12, 0.30)
Guinea-Bissau	7.39 (4.51, 10.32)	1.99 (1.22, 2.78)	12.81 (8.00, 18.47)	1.52 (0.95, 2.19)	-0.49 (-0.76, -0.23)
Guyana	0.45 (0.37, 0.54)	0.13 (0.11, 0.16)	1.50 (1.11, 1.94)	0.48 (0.36, 0.63)	4.11 (3.44, 4.78)
Haiti	20.26 (5.43, 37.01)	0.83 (0.22, 1.52)	43.17 (14.19, 82.55)	0.79 (0.26, 1.50)	0.14 (-0.02, 0.30)
Honduras	28.79 (23.08, 35.85)	1.67 (1.34, 2.08)	32.84 (18.66, 57.24)	0.75 (0.42, 1.30)	-3.16 (-3.52, -2.80)
Hungary	42.44 (39.44, 45.56)	1.15 (1.07, 1.23)	13.13 (11.21, 15.13)	0.48 (0.41, 0.55)	-2.76 (-3.22, -2.29)
Iceland	0.19 (0.17, 0.20)	0.18 (0.16, 0.20)	0.23 (0.20, 0.25)	0.19 (0.17, 0.21)	0.69 (0.52, 0.86)
India	4076.69 (2504.69, 5431.87)	1.20 (0.73, 1.59)	4764.07 (3709.77, 5728.16)	0.78 (0.61, 0.94)	-1.56 (-1.84, -1.28)
Indonesia	1390.39 (937.22, 1845.02)	1.78 (1.20, 2.36)	1607.73 (1198.39, 2160.67)	1.41 (1.05, 1.90)	-0.55 (-0.66, -0.43)
Iran (Islamic Republic of)	164.78 (122.95, 199.35)	0.76 (0.57, 0.92)	278.61 (238.61, 309.77)	0.80 (0.69, 0.89)	0.70 (0.41, 0.99)
Iraq	34.64 (24.23, 45.53)	0.48 (0.34, 0.63)	46.42 (34.52, 66.05)	0.27 (0.20, 0.38)	-1.83 (-2.13, -1.52)
Ireland	5.17 (4.69, 5.64)	0.38 (0.34, 0.41)	3.94 (3.56, 4.30)	0.25 (0.23, 0.27)	-1.05 (-1.50, -0.60)
Israel	1.82 (1.60, 2.07)	0.10 (0.08, 0.11)	2.95 (2.70, 3.21)	0.09 (0.08, 0.10)	0.30 (-0.13, 0.73)
Italy	53.84 (52.14, 55.65)	0.25 (0.24, 0.26)	19.97 (19.06, 20.83)	0.13 (0.12, 0.13)	-2.15 (-2.39, -1.92)
Jamaica	1.61 (1.17, 2.54)	0.16 (0.12, 0.26)	3.51 (2.48, 4.76)	0.29 (0.21, 0.40)	0.69 (-0.16, 1.54)
Japan	51.97 (50.91, 53.15)	0.12 (0.11, 0.12)	15.58 (15.21, 16.00)	0.05 (0.05, 0.05)	-2.56 (-2.83, -2.29)
Jordan	9.57 (7.35, 12.03)	0.62 (0.48, 0.78)	17.29 (13.18, 21.83)	0.32 (0.25, 0.41)	-2.54 (-2.79, -2.29)
Kazakhstan	111.26 (88.10, 123.97)	1.64 (1.30, 1.83)	89.51 (70.40, 107.36)	1.28 (1.01, 1.54)	-2.43 (-3.12, -1.72)
Kenya	45.94 (24.39, 76.18)	0.52 (0.28, 0.87)	124.65 (71.19, 232.46)	0.58 (0.33, 1.07)	0.64 (0.37, 0.92)
Kiribati	1.73 (0.96, 2.52)	5.68 (3.14, 8.24)	2.25 (1.49, 3.39)	4.52 (3.01, 6.81)	-1.03 (-1.16, -0.90)
Kuwait	1.36 (1.16, 1.54)	0.16 (0.14, 0.18)	1.13 (0.93, 1.37)	0.05 (0.04, 0.06)	-4.09 (-4.71, -3.47)
Kyrgyzstan	81.51 (73.70, 88.89)	4.52 (4.09, 4.93)	34.50 (28.36, 40.93)	1.27 (1.04, 1.50)	-4.96 (-5.54, -4.38)
Lao People's Democratic Republic	32.82 (17.42, 46.47)	2.12 (1.13, 3.01)	45.08 (25.75, 67.00)	1.41 (0.80, 2.09)	-1.67 (-1.80, -1.54)
Latvia	2.11 (1.88, 2.43)	0.22 (0.20, 0.26)	0.69 (0.60, 0.78)	0.13 (0.11, 0.14)	-2.80 (-3.25, -2.35)
Lebanon	14.26 (9.35, 19.12)	1.24 (0.81, 1.66)	12.22 (9.97, 14.98)	0.53 (0.43, 0.65)	-2.71 (-2.96, -2.46)
Lesotho	3.72 (2.19, 6.18)	0.69 (0.41, 1.15)	10.02 (6.02, 14.78)	1.20 (0.72, 1.78)	3.01 (2.44, 3.59)
Liberia	9.72 (6.84, 13.86)	1.05 (0.74, 1.50)	21.63 (14.41, 31.68)	0.96 (0.64, 1.41)	0.11 (-0.31, 0.53)
Libya	14.31 (10.21, 18.87)	0.85 (0.61, 1.12)	30.14 (21.54, 42.26)	1.00 (0.72, 1.41)	1.13 (0.83, 1.44)
Lithuania	9.47 (8.58, 10.85)	0.68 (0.62, 0.78)	2.04 (1.82, 2.27)	0.25 (0.23, 0.28)	-3.56 (-3.91, -3.21)
Luxembourg	0.32 (0.29, 0.36)	0.22 (0.19, 0.24)	0.26 (0.23, 0.29)	0.12 (0.11, 0.13)	-2.41 (-2.77, -2.05)
Madagascar	96.94 (70.54, 126.37)	2.14 (1.56, 2.79)	226.97 (145.59, 342.31)	1.94 (1.24, 2.92)	-0.40 (-0.46, -0.35)
Malawi	22.08 (13.56, 31.30)	0.59 (0.36, 0.84)	49.56 (32.00, 71.42)	0.61 (0.39, 0.87)	-0.01 (-0.21, 0.19)

location	Number in 1990 (95% UI)	Rate in 1990 (95% UI)	Number in 2021 (95% UI)	Rate in 2021 (95% UI)	EAPC in ASMR between 1990 and 2021
Malaysia	52.53 (40.38, 64.94)	0.71 (0.54, 0.87)	88.02 (72.67, 106.38)	0.63 (0.52, 0.77)	-0.82 (-1.12, -0.52)
Maldives	2.45 (1.03, 3.66)	3.01 (1.27, 4.50)	1.69 (1.05, 2.29)	0.65 (0.40, 0.88)	-5.51 (-5.76, -5.25)
Mali	57.76 (42.67, 74.18)	1.93 (1.43, 2.48)	147.25 (99.28, 222.92)	1.65 (1.11, 2.50)	-0.28 (-0.41, -0.16)
Malta	0.17 (0.16, 0.19)	0.12 (0.11, 0.14)	0.11 (0.10, 0.13)	0.08 (0.07, 0.09)	-1.15 (-1.54, -0.75)
Marshall Islands	0.86 (0.60, 1.12)	5.04 (3.52, 6.52)	0.91 (0.63, 1.25)	3.82 (2.66, 5.26)	-0.71 (-0.82, -0.59)
Mauritania	6.71 (4.39, 9.14)	0.87 (0.57, 1.19)	7.93 (5.37, 11.42)	0.46 (0.31, 0.67)	-1.78 (-2.09, -1.48)
Mauritius	2.48 (2.22, 2.75)	0.50 (0.45, 0.55)	1.34 (1.16, 1.50)	0.29 (0.25, 0.33)	-2.00 (-2.37, -1.62)
Mexico	181.63 (177.45, 186.08)	0.51 (0.50, 0.52)	290.57 (263.95, 315.51)	0.56 (0.51, 0.61)	-0.04 (-0.41, 0.33)
Micronesia (Federated States of)	2.26 (1.38, 3.18)	5.64 (3.43, 7.93)	1.35 (0.97, 1.85)	3.19 (2.27, 4.35)	-1.89 (-2.00, -1.79)
Monaco	0.02 (0.02, 0.03)	0.26 (0.19, 0.34)	0.02 (0.01, 0.03)	0.25 (0.16, 0.36)	-0.29 (-0.61, 0.03)
Mongolia	12.37 (9.22, 15.78)	1.40 (1.04, 1.79)	7.78 (5.95, 10.28)	0.62 (0.47, 0.81)	-3.84 (-4.26, -3.41)
Montenegro	0.26 (0.21, 0.31)	0.10 (0.08, 0.13)	0.12 (0.10, 0.15)	0.06 (0.05, 0.08)	-1.79 (-2.11, -1.48)
Morocco	93.81 (49.95, 140.43)	0.90 (0.48, 1.35)	98.43 (64.59, 156.50)	0.67 (0.44, 1.07)	-1.05 (-1.27, -0.83)
Mozambique	24.92 (14.72, 36.07)	0.53 (0.31, 0.76)	77.68 (48.09, 116.41)	0.65 (0.40, 0.97)	1.27 (1.06, 1.48)
Myanmar	532.35 (306.48, 749.09)	3.10 (1.79, 4.36)	395.53 (291.03, 536.07)	1.76 (1.29, 2.38)	-2.22 (-2.44, -1.99)
Namibia	3.91 (2.23, 5.94)	0.70 (0.40, 1.06)	6.83 (4.14, 10.81)	0.65 (0.40, 1.03)	-0.54 (-0.96, -0.11)
Nauru	0.21 (0.15, 0.29)	5.18 (3.78, 7.15)	0.17 (0.12, 0.24)	3.75 (2.62, 5.19)	-1.22 (-1.40, -1.05)
Nepal	97.32 (38.94, 162.21)	1.33 (0.53, 2.22)	108.25 (64.82, 211.18)	0.81 (0.48, 1.58)	-1.57 (-1.73, -1.41)
Netherlands	23.09 (21.55, 24.59)	0.38 (0.36, 0.41)	14.02 (13.12, 14.99)	0.27 (0.25, 0.28)	-1.43 (-1.75, -1.10)
New Zealand	1.67 (1.54, 1.84)	0.12 (0.11, 0.13)	1.91 (1.77, 2.06)	0.11 (0.10, 0.11)	-1.35 (-2.25, -0.43)
Nicaragua	5.06 (4.28, 5.89)	0.34 (0.29, 0.40)	7.88 (6.28, 10.07)	0.28 (0.22, 0.35)	-0.48 (-0.67, -0.29)
Niger	30.18 (18.12, 41.88)	1.08 (0.65, 1.50)	65.56 (40.86, 96.51)	0.74 (0.46, 1.08)	-0.95 (-1.24, -0.66)
Nigeria	139.16 (91.75, 188.04)	0.41 (0.27, 0.55)	300.42 (217.61, 423.74)	0.33 (0.24, 0.47)	-0.62 (-0.70, -0.54)
Niue	0.02 (0.02, 0.04)	2.97 (2.01, 4.41)	0.01 (0.01, 0.02)	2.18 (1.61, 3.04)	-2.13 (-2.46, -1.80)
North Macedonia	2.55 (2.07, 3.07)	0.32 (0.26, 0.39)	1.66 (1.10, 2.89)	0.22 (0.14, 0.38)	-1.41 (-1.62, -1.21)
Northern Mariana Islands	0.61 (0.39, 0.86)	2.61 (1.67, 3.68)	0.26 (0.18, 0.36)	1.60 (1.10, 2.19)	-1.90 (-2.10, -1.69)
Norway	0.89 (0.85, 0.93)	0.06 (0.05, 0.06)	2.73 (2.63, 2.85)	0.15 (0.15, 0.16)	3.57 (2.48, 4.68)
Oman	5.07 (3.46, 7.05)	0.61 (0.42, 0.85)	6.39 (4.92, 8.18)	0.28 (0.21, 0.35)	-2.00 (-2.31, -1.69)
Pakistan	350.52 (189.39, 464.12)	0.86 (0.46, 1.14)	776.22 (532.71, 1012.88)	0.78 (0.54, 1.02)	-0.60 (-0.83, -0.37)
Palau	0.27 (0.19, 0.37)	3.90 (2.75, 5.28)	0.26 (0.20, 0.33)	4.36 (3.33, 5.53)	0.48 (0.36, 0.61)
Palestine	4.53 (2.97, 6.26)	0.59 (0.39, 0.82)	6.71 (5.37, 8.78)	0.31 (0.25, 0.40)	-2.18 (-2.49, -1.86)
Panama	2.55 (2.33, 2.87)	0.25 (0.23, 0.28)	3.46 (2.83, 4.14)	0.21 (0.17, 0.25)	-0.57 (-0.89, -0.25)
Papua New Guinea	80.38 (48.27, 120.99)	4.86 (2.92, 7.31)	163.36 (112.38, 235.00)	3.82 (2.63, 5.49)	-0.97 (-1.11, -0.84)
Paraguay	4.49 (3.67, 5.40)	0.29 (0.23, 0.34)	7.29 (5.52, 9.34)	0.24 (0.18, 0.31)	-0.85 (-1.14, -0.56)
Peru	48.20 (36.07, 62.48)	0.54 (0.41, 0.70)	29.62 (20.96, 41.71)	0.20 (0.14, 0.28)	-3.18 (-3.55, -2.80)

location	Number in 1990 (95% UI)	Rate in 1990 (95% UI)	Number in 2021 (95% UI)	Rate in 2021 (95% UI)	EAPC in ASMR between 1990 and 2021
Philippines	212.18 (190.61, 237.10)	0.82 (0.74, 0.91)	402.55 (341.61, 469.20)	0.85 (0.72, 0.99)	0.74 (0.43, 1.05)
Poland	40.46 (39.32, 41.46)	0.28 (0.27, 0.29)	13.33 (12.26, 14.31)	0.11 (0.10, 0.12)	-2.52 (-2.82, -2.22)
Portugal	14.84 (13.60, 16.17)	0.39 (0.36, 0.43)	5.40 (4.97, 5.88)	0.18 (0.17, 0.20)	-2.91 (-3.37, -2.46)
Puerto Rico	7.20 (6.54, 7.95)	0.51 (0.46, 0.56)	5.51 (4.57, 6.58)	0.53 (0.44, 0.64)	-0.29 (-0.57, -0.00)
Qatar	1.01 (0.76, 1.32)	0.43 (0.32, 0.56)	3.26 (2.33, 4.38)	0.20 (0.14, 0.26)	-2.79 (-3.22, -2.35)
Republic of Korea	33.98 (24.62, 44.00)	0.16 (0.12, 0.21)	11.65 (9.27, 20.10)	0.07 (0.06, 0.13)	-2.72 (-2.89, -2.56)
Republic of Moldova	23.92 (21.99, 25.82)	1.37 (1.26, 1.48)	5.34 (4.77, 6.04)	0.43 (0.38, 0.49)	-4.34 (-4.79, -3.89)
Romania	75.53 (67.89, 83.01)	0.87 (0.78, 0.96)	27.09 (23.71, 30.62)	0.50 (0.44, 0.57)	-1.22 (-1.54, -0.90)
Russian Federation	357.58 (344.88, 369.46)	0.61 (0.59, 0.64)	261.05 (243.38, 277.01)	0.56 (0.52, 0.60)	-1.01 (-1.45, -0.58)
Rwanda	55.15 (30.45, 75.34)	2.01 (1.11, 2.75)	43.13 (24.54, 73.19)	0.76 (0.43, 1.29)	-4.32 (-4.90, -3.73)
Saint Kitts and Nevis	0.04 (0.03, 0.05)	0.22 (0.16, 0.27)	0.04 (0.03, 0.05)	0.16 (0.12, 0.22)	-1.55 (-2.14, -0.95)
Saint Lucia	0.20 (0.17, 0.23)	0.35 (0.31, 0.40)	0.51 (0.42, 0.61)	0.77 (0.64, 0.93)	2.52 (2.30, 2.74)
Saint Vincent and the Grenadines	0.03 (0.03, 0.04)	0.07 (0.06, 0.08)	0.08 (0.07, 0.10)	0.20 (0.17, 0.24)	2.92 (2.14, 3.70)
Samoa	2.19 (1.38, 3.17)	3.26 (2.06, 4.74)	2.14 (1.41, 3.16)	2.67 (1.75, 3.93)	-0.59 (-0.76, -0.42)
San Marino	0.01 (0.01, 0.01)	0.08 (0.06, 0.10)	0.00 (0.00, 0.01)	0.04 (0.03, 0.06)	-1.35 (-1.67, -1.03)
Sao Tome and Principe	0.74 (0.50, 0.98)	1.72 (1.16, 2.29)	1.55 (0.89, 2.37)	1.70 (0.98, 2.60)	-0.24 (-0.76, 0.29)
Saudi Arabia	61.98 (40.10, 86.11)	0.93 (0.60, 1.30)	206.53 (135.56, 288.93)	1.12 (0.73, 1.56)	1.24 (0.88, 1.61)
Senegal	28.10 (20.45, 38.47)	1.02 (0.74, 1.39)	49.65 (35.17, 71.97)	0.77 (0.55, 1.12)	-0.19 (-0.64, 0.27)
Serbia	17.26 (13.54, 21.31)	0.48 (0.38, 0.59)	6.63 (5.08, 8.76)	0.22 (0.17, 0.30)	-2.28 (-2.41, -2.16)
Seychelles	0.29 (0.21, 0.36)	0.93 (0.68, 1.16)	0.23 (0.17, 0.30)	0.59 (0.45, 0.77)	-1.48 (-1.79, -1.17)
Sierra Leone	14.13 (9.89, 19.46)	0.88 (0.62, 1.22)	32.28 (21.04, 50.09)	0.87 (0.56, 1.34)	0.43 (0.16, 0.70)
Singapore	5.18 (4.66, 5.76)	0.34 (0.31, 0.38)	1.90 (1.65, 2.17)	0.10 (0.09, 0.11)	-4.18 (-4.44, -3.92)
Slovakia	5.74 (4.65, 6.90)	0.28 (0.23, 0.34)	2.47 (1.87, 3.13)	0.14 (0.11, 0.18)	-1.57 (-1.88, -1.25)
Slovenia	3.57 (3.22, 3.93)	0.47 (0.42, 0.51)	0.58 (0.49, 0.66)	0.10 (0.09, 0.12)	-4.61 (-4.86, -4.35)
Solomon Islands	2.52 (1.58, 3.64)	1.97 (1.23, 2.84)	4.90 (3.35, 6.87)	1.79 (1.23, 2.51)	-0.29 (-0.39, -0.18)
Somalia	38.54 (19.93, 60.50)	1.33 (0.69, 2.09)	77.54 (37.70, 128.95)	0.94 (0.45, 1.56)	-0.96 (-1.31, -0.62)
South Africa	230.43 (197.76, 276.47)	1.46 (1.26, 1.76)	211.10 (178.08, 268.69)	0.87 (0.73, 1.11)	-2.21 (-3.01, -1.41)
South Sudan	17.44 (9.48, 27.71)	0.76 (0.41, 1.20)	26.39 (15.79, 41.22)	0.73 (0.44, 1.15)	-0.29 (-0.80, 0.23)
Spain	56.42 (51.97, 61.56)	0.38 (0.35, 0.42)	26.05 (23.86, 28.10)	0.21 (0.19, 0.23)	-2.12 (-2.44, -1.80)
Sri Lanka	116.65 (93.58, 140.27)	1.58 (1.27, 1.90)	53.54 (35.20, 76.66)	0.66 (0.44, 0.95)	-3.63 (-4.06, -3.19)
Sudan	124.41 (42.22, 207.41)	1.63 (0.55, 2.72)	208.21 (109.77, 336.30)	1.13 (0.59, 1.82)	-1.13 (-1.30, -0.96)
Suriname	0.71 (0.53, 0.87)	0.43 (0.32, 0.53)	1.24 (0.94, 1.57)	0.58 (0.44, 0.73)	0.82 (0.53, 1.11)
Sweden	1.82 (1.68, 1.97)	0.06 (0.06, 0.07)	3.41 (3.06, 3.83)	0.11 (0.09, 0.12)	1.93 (1.28, 2.58)
Switzerland	3.95 (3.28, 4.52)	0.15 (0.12, 0.17)	2.39 (2.14, 2.65)	0.09 (0.08, 0.10)	-2.00 (-2.24, -1.76)
Syrian Arab Republic	69.75 (48.10, 92.59)	1.45 (1.00, 1.93)	67.47 (41.86, 118.95)	1.33 (0.82, 2.34)	0.17 (-0.24, 0.58)

location	Number in 1990 (95% UI)	Rate in 1990 (95% UI)	Number in 2021 (95% UI)	Rate in 2021 (95% UI)	EAPC in ASMR between 1990 and 2021
Taiwan (Province of China)	15.70 (14.24, 17.24)	0.17 (0.15, 0.19)	7.08 (6.28, 7.87)	0.09 (0.08, 0.10)	-2.89 (-3.30, -2.46)
Tajikistan	43.96 (31.27, 56.66)	2.08 (1.48, 2.68)	44.77 (27.80, 77.64)	1.07 (0.67, 1.86)	-3.94 (-4.59, -3.28)
Thailand	347.68 (264.54, 435.63)	1.34 (1.02, 1.68)	180.41 (134.58, 236.71)	0.85 (0.63, 1.12)	-2.80 (-3.82, -1.76)
Timor-Leste	3.85 (1.89, 5.88)	1.21 (0.59, 1.85)	5.09 (3.33, 7.26)	0.89 (0.58, 1.27)	-1.16 (-1.75, -0.56)
Togo	15.30 (10.43, 20.60)	1.12 (0.76, 1.50)	33.05 (22.25, 47.59)	0.98 (0.66, 1.41)	0.01 (-0.21, 0.23)
Tokelau	0.01 (0.01, 0.02)	2.56 (1.39, 4.04)	0.01 (0.01, 0.02)	2.40 (1.66, 3.35)	-1.27 (-1.68, -0.86)
Tonga	0.62 (0.43, 0.85)	1.69 (1.15, 2.31)	0.57 (0.40, 0.80)	1.46 (1.03, 2.06)	-0.28 (-0.37, -0.19)
Trinidad and Tobago	1.05 (0.94, 1.18)	0.21 (0.19, 0.24)	1.81 (1.36, 2.34)	0.36 (0.27, 0.47)	1.78 (1.54, 2.02)
Tunisia	20.29 (14.56, 26.22)	0.59 (0.42, 0.76)	26.04 (18.33, 37.18)	0.60 (0.42, 0.85)	-0.11 (-0.22, -0.01)
Turkey	344.10 (255.68, 440.32)	1.44 (1.07, 1.84)	232.01 (181.29, 294.62)	0.73 (0.57, 0.92)	-1.96 (-2.25, -1.67)
Turkmenistan	24.23 (20.09, 28.34)	1.58 (1.31, 1.85)	28.12 (21.13, 36.42)	1.35 (1.02, 1.75)	-1.58 (-2.25, -0.90)
Tuvalu	0.18 (0.10, 0.25)	4.96 (2.77, 6.85)	0.12 (0.08, 0.16)	2.39 (1.69, 3.28)	-2.54 (-2.71, -2.37)
Uganda	45.71 (23.64, 71.32)	0.71 (0.37, 1.11)	101.40 (55.68, 158.94)	0.59 (0.32, 0.92)	-1.48 (-1.78, -1.19)
Ukraine	256.63 (239.65, 271.38)	1.35 (1.26, 1.43)	68.23 (48.24, 88.88)	0.49 (0.35, 0.64)	-5.44 (-6.20, -4.67)
United Arab Emirates	13.76 (9.48, 19.65)	1.44 (0.99, 2.06)	30.86 (14.89, 42.26)	0.77 (0.37, 1.05)	-2.12 (-2.36, -1.88)
United Kingdom	35.43 (34.82, 36.15)	0.17 (0.17, 0.17)	36.41 (35.41, 37.32)	0.17 (0.16, 0.17)	0.68 (0.13, 1.23)
United Republic of Tanzania	52.00 (32.76, 72.46)	0.54 (0.34, 0.75)	106.83 (62.26, 162.88)	0.46 (0.27, 0.70)	-0.54 (-0.64, -0.44)
United States of America	183.06 (179.16, 187.14)	0.18 (0.18, 0.18)	259.64 (247.13, 271.65)	0.23 (0.22, 0.24)	0.79 (0.38, 1.20)
United States Virgin Islands	0.09 (0.07, 0.12)	0.23 (0.17, 0.30)	0.06 (0.04, 0.08)	0.25 (0.18, 0.34)	0.42 (0.10, 0.75)
Uruguay	9.07 (8.30, 9.96)	0.80 (0.73, 0.88)	11.90 (10.83, 12.86)	0.99 (0.91, 1.08)	0.62 (0.46, 0.77)
Uzbekistan	78.94 (68.47, 89.79)	0.92 (0.80, 1.05)	45.91 (37.28, 56.63)	0.33 (0.27, 0.41)	-4.91 (-5.71, -4.11)
Vanuatu	2.92 (1.66, 4.25)	4.99 (2.84, 7.25)	4.92 (2.75, 7.23)	3.95 (2.20, 5.80)	-1.17 (-1.30, -1.03)
Venezuela (Bolivarian Republic of)	35.80 (32.63, 39.74)	0.45 (0.41, 0.50)	42.04 (29.95, 56.38)	0.45 (0.32, 0.60)	0.20 (0.03, 0.37)
Viet Nam	221.59 (145.17, 310.74)	0.78 (0.51, 1.09)	212.38 (147.57, 305.82)	0.55 (0.38, 0.80)	-1.21 (-1.42, -0.99)
Yemen	52.95 (26.56, 83.87)	1.15 (0.58, 1.82)	126.86 (81.61, 186.61)	0.92 (0.59, 1.36)	-0.55 (-0.81, -0.29)
Zambia	19.16 (10.65, 27.13)	0.63 (0.35, 0.89)	52.06 (32.34, 79.59)	0.64 (0.40, 0.98)	-0.11 (-0.24, 0.02)
Zimbabwe	8.12 (5.99, 11.10)	0.20 (0.15, 0.28)	27.43 (18.52, 39.52)	0.43 (0.29, 0.62)	3.36 (2.49, 4.24)

**Abbreviation:** EAPC, estimated annual percentage change; ASMR, age-standardized rates for mortality; UI, uncertainty interval; SDI, socio-demographic index; GBD, global burden of disease.

**Supplementary Table SXII.** Asthma mortality in 1990 and 2021 in adolescents and young adults and EAPC in ASMR by location

location	Number in 1990 (95% UI)	Rate in 1990 (95% UI)	Number in 2021 (95% UI)	Rate in 2021 (95% UI)	EAPC in ASMR between 1990 and 2021
Global	29984.43 (25452.12, 33624.58)	1.37 (1.16, 1.53)	26898.84 (23361.17, 31987.51)	0.90 (0.79, 1.08)	-1.49 (-1.58, -1.39)
SDI regions					
High SDI	2515.94 (2444.65, 2589.41)	0.73 (0.70, 0.75)	1126.44 (1062.41, 1199.18)	0.32 (0.30, 0.34)	-3.03 (-3.39, -2.68)
High-middle SDI	2509.72 (2262.27, 2872.57)	0.55 (0.50, 0.63)	901.12 (821.56, 1019.87)	0.20 (0.19, 0.23)	-3.66 (-3.84, -3.48)
Middle SDI	8555.05 (7320.45, 9502.45)	1.14 (0.97, 1.26)	6591.80 (5876.35, 7726.74)	0.71 (0.63, 0.83)	-1.56 (-1.69, -1.42)
Low-middle SDI	10939.82 (8684.82, 12821.00)	2.41 (1.92, 2.83)	10390.56 (8895.02, 12841.71)	1.29 (1.11, 1.60)	-2.15 (-2.35, -1.95)
Low SDI	5432.45 (4355.33, 6390.20)	2.95 (2.36, 3.47)	7858.46 (6059.24, 10462.17)	1.75 (1.35, 2.33)	-1.81 (-1.89, -1.73)
GBD regions					
Central Asia	262.39 (237.14, 293.19)	0.92 (0.83, 1.03)	131.27 (111.28, 155.96)	0.35 (0.30, 0.42)	-4.91 (-5.60, -4.22)
East Asia	2668.66 (2132.26, 3467.74)	0.47 (0.38, 0.61)	678.50 (549.00, 827.04)	0.14 (0.11, 0.17)	-4.37 (-4.60, -4.13)
South Asia	10269.17 (8128.69, 12657.97)	2.38 (1.88, 2.93)	9461.52 (7791.60, 12506.55)	1.20 (0.99, 1.58)	-2.39 (-2.67, -2.11)
Southeast Asia	5543.59 (4171.84, 6417.11)	2.81 (2.12, 3.26)	5330.88 (4531.22, 6489.23)	1.92 (1.63, 2.34)	-1.14 (-1.22, -1.07)
High-income Asia Pacific	670.24 (629.45, 706.56)	0.99 (0.93, 1.05)	42.70 (37.88, 63.20)	0.08 (0.07, 0.13)	-8.85 (-9.19, -8.52)
Oceania	125.91 (85.32, 172.17)	4.74 (3.21, 6.48)	203.50 (138.31, 301.59)	3.61 (2.45, 5.35)	-0.99 (-1.09, -0.88)
Australasia	102.04 (97.45, 106.68)	1.25 (1.20, 1.31)	52.29 (49.28, 55.63)	0.50 (0.47, 0.53)	-3.00 (-3.35, -2.66)
Central Europe	171.19 (163.51, 181.94)	0.37 (0.35, 0.39)	20.07 (18.06, 22.78)	0.06 (0.05, 0.07)	-6.43 (-6.91, -5.93)
Eastern Europe	584.20 (566.11, 603.22)	0.68 (0.66, 0.70)	78.78 (72.87, 84.66)	0.12 (0.11, 0.13)	-6.54 (-6.90, -6.19)
Western Europe	898.15 (873.64, 922.71)	0.62 (0.61, 0.64)	212.65 (207.66, 218.02)	0.16 (0.16, 0.17)	-4.44 (-4.72, -4.17)
Andean Latin America	85.67 (72.12, 105.63)	0.55 (0.47, 0.68)	32.21 (24.65, 41.26)	0.12 (0.09, 0.15)	-5.03 (-5.25, -4.80)
Central Latin America	417.09 (402.79, 433.81)	0.61 (0.59, 0.64)	254.22 (221.37, 295.38)	0.25 (0.22, 0.29)	-3.11 (-3.28, -2.94)
High-income North America	708.14 (694.63, 719.99)	0.62 (0.61, 0.64)	630.49 (605.39, 655.43)	0.51 (0.49, 0.53)	-1.24 (-1.61, -0.87)
Southern Latin America	108.80 (100.71, 118.75)	0.57 (0.53, 0.62)	51.84 (48.07, 55.43)	0.20 (0.19, 0.21)	-3.57 (-3.74, -3.40)
Tropical Latin America	271.67 (259.18, 284.97)	0.42 (0.40, 0.44)	244.41 (235.36, 253.17)	0.28 (0.27, 0.29)	-2.25 (-2.62, -1.89)
Caribbean	282.21 (217.06, 337.68)	1.90 (1.46, 2.27)	276.18 (193.08, 403.58)	1.52 (1.06, 2.22)	-0.70 (-0.90, -0.50)
Central Sub-Saharan Africa	591.22 (389.05, 922.34)	2.85 (1.87, 4.44)	1018.83 (692.26, 1746.87)	1.88 (1.28, 3.23)	-1.40 (-1.46, -1.33)
Eastern Sub-Saharan Africa	2102.12 (1699.88, 2442.07)	2.97 (2.40, 3.44)	3203.26 (2374.97, 4592.64)	1.83 (1.36, 2.62)	-1.75 (-1.84, -1.67)
North Africa and Middle East	1452.42 (1127.16, 1780.82)	1.09 (0.84, 1.33)	1321.87 (1104.16, 1575.64)	0.52 (0.43, 0.62)	-2.33 (-2.37, -2.29)
Southern Sub-Saharan Africa	1000.64 (846.39, 1192.59)	4.63 (3.92, 5.52)	815.76 (717.83, 927.64)	2.40 (2.11, 2.73)	-2.28 (-3.22, -1.33)
Western Sub-Saharan Africa	1668.93 (1359.92, 2030.77)	2.33 (1.90, 2.84)	2837.63 (2215.39, 3702.18)	1.48 (1.16, 1.94)	-1.28 (-1.39, -1.16)
Countries					
Afghanistan	91.45 (59.53, 137.09)	2.90 (1.89, 4.35)	177.11 (114.64, 312.04)	1.45 (0.94, 2.55)	-1.99 (-2.39, -1.58)
Albania	7.27 (5.77, 9.42)	0.51 (0.41, 0.66)	1.18 (0.77, 2.04)	0.12 (0.08, 0.22)	-5.01 (-5.34, -4.68)

location	Number in 1990 (95% UI)	Rate in 1990 (95% UI)	Number in 2021 (95% UI)	Rate in 2021 (95% UI)	EAPC in ASMR between 1990 and 2021
Algeria	100.73 (67.90, 133.64)	1.00 (0.67, 1.32)	85.14 (63.62, 110.08)	0.50 (0.37, 0.65)	-2.45 (-2.60, -2.30)
American Samoa	0.55 (0.41, 0.76)	2.73 (2.02, 3.76)	0.26 (0.18, 0.34)	1.49 (1.05, 1.97)	-2.44 (-2.66, -2.22)
Andorra	0.14 (0.10, 0.19)	0.58 (0.41, 0.78)	0.06 (0.04, 0.08)	0.22 (0.15, 0.31)	-2.95 (-3.10, -2.80)
Angola	116.75 (77.31, 167.11)	2.98 (1.98, 4.27)	173.32 (115.34, 244.59)	1.42 (0.95, 2.01)	-2.35 (-2.54, -2.16)
Antigua and Barbuda	0.12 (0.11, 0.14)	0.48 (0.43, 0.53)	0.13 (0.11, 0.14)	0.37 (0.33, 0.41)	-0.39 (-0.89, 0.11)
Argentina	73.18 (65.93, 82.04)	0.60 (0.54, 0.67)	35.04 (31.85, 38.20)	0.20 (0.18, 0.22)	-3.68 (-3.87, -3.49)
Armenia	1.71 (1.37, 2.25)	0.12 (0.10, 0.16)	0.23 (0.20, 0.27)	0.02 (0.02, 0.02)	-5.95 (-6.77, -5.12)
Australia	79.62 (74.94, 84.29)	1.18 (1.11, 1.24)	39.09 (36.45, 41.98)	0.45 (0.42, 0.48)	-2.94 (-3.30, -2.59)
Austria	15.77 (14.58, 17.03)	0.53 (0.49, 0.57)	3.96 (3.66, 4.27)	0.14 (0.13, 0.15)	-4.61 (-4.80, -4.43)
Azerbaijan	26.95 (22.11, 33.35)	0.85 (0.70, 1.05)	13.13 (9.15, 21.42)	0.31 (0.22, 0.51)	-5.09 (-5.61, -4.58)
Bahamas	1.07 (0.94, 1.21)	0.91 (0.80, 1.02)	1.19 (0.94, 1.51)	0.77 (0.61, 0.97)	-1.46 (-1.80, -1.12)
Bahrain	1.91 (1.61, 2.48)	0.74 (0.63, 0.97)	2.04 (1.57, 2.59)	0.29 (0.22, 0.37)	-3.66 (-4.06, -3.26)
Bangladesh	1272.09 (989.35, 1652.77)	3.01 (2.34, 3.92)	828.95 (587.52, 1188.74)	1.20 (0.85, 1.73)	-2.87 (-3.03, -2.71)
Barbados	1.12 (1.03, 1.21)	1.02 (0.94, 1.11)	0.62 (0.47, 0.79)	0.62 (0.48, 0.80)	-1.99 (-2.37, -1.60)
Belarus	19.57 (16.76, 24.05)	0.50 (0.42, 0.61)	2.37 (1.83, 3.03)	0.08 (0.06, 0.10)	-7.18 (-7.63, -6.74)
Belgium	27.90 (25.64, 30.56)	0.75 (0.69, 0.82)	5.44 (4.96, 5.92)	0.16 (0.14, 0.17)	-5.67 (-5.88, -5.46)
Belize	0.63 (0.53, 0.72)	0.86 (0.73, 0.99)	1.74 (1.52, 2.00)	0.92 (0.80, 1.06)	-0.39 (-1.04, 0.26)
Benin	55.67 (40.64, 72.42)	3.27 (2.39, 4.25)	94.56 (59.57, 145.33)	1.80 (1.14, 2.77)	-1.81 (-2.08, -1.54)
Bermuda	0.16 (0.14, 0.19)	0.62 (0.53, 0.73)	0.04 (0.03, 0.05)	0.24 (0.19, 0.30)	-3.88 (-4.44, -3.32)
Bhutan	5.54 (3.21, 7.85)	2.06 (1.19, 2.91)	3.02 (1.73, 6.27)	0.87 (0.50, 1.81)	-3.37 (-3.57, -3.18)
Bolivia (Plurinational State of)	17.75 (11.95, 27.30)	0.72 (0.48, 1.11)	10.27 (6.48, 16.63)	0.21 (0.13, 0.34)	-4.24 (-4.42, -4.06)
Bosnia and Herzegovina	3.66 (2.64, 5.17)	0.19 (0.14, 0.27)	0.59 (0.40, 0.91)	0.06 (0.04, 0.09)	-4.63 (-5.06, -4.20)
Botswana	21.09 (11.89, 38.43)	4.10 (2.31, 7.46)	18.18 (10.41, 32.35)	1.71 (0.98, 3.04)	-2.72 (-3.02, -2.42)
Brazil	267.09 (254.55, 280.27)	0.43 (0.41, 0.45)	239.02 (229.85, 247.39)	0.28 (0.27, 0.29)	-2.25 (-2.62, -1.88)
Brunei Darussalam	2.78 (2.30, 3.33)	2.25 (1.86, 2.70)	1.30 (1.03, 1.66)	0.64 (0.51, 0.81)	-4.30 (-4.65, -3.96)
Bulgaria	6.76 (5.93, 7.49)	0.23 (0.20, 0.25)	0.80 (0.66, 0.95)	0.04 (0.03, 0.05)	-5.88 (-6.28, -5.49)
Burkina Faso	55.09 (41.26, 71.89)	1.73 (1.29, 2.25)	114.71 (79.60, 167.70)	1.33 (0.92, 1.94)	-0.68 (-0.90, -0.46)
Burundi	101.04 (73.61, 133.13)	4.87 (3.55, 6.42)	115.09 (80.77, 165.50)	2.18 (1.53, 3.14)	-3.08 (-3.43, -2.73)
Cabo Verde	5.95 (4.52, 7.41)	4.55 (3.46, 5.67)	2.07 (1.45, 2.92)	0.83 (0.58, 1.17)	-5.01 (-5.50, -4.51)
Cambodia	85.77 (60.42, 109.02)	2.23 (1.57, 2.83)	94.24 (63.08, 140.50)	1.30 (0.87, 1.94)	-2.03 (-2.16, -1.90)
Cameroon	136.57 (107.29, 173.56)	3.59 (2.82, 4.56)	263.18 (181.87, 372.02)	2.04 (1.41, 2.89)	-1.60 (-1.73, -1.47)
Canada	50.14 (46.89, 53.43)	0.45 (0.42, 0.48)	26.66 (24.57, 29.05)	0.22 (0.21, 0.24)	-2.61 (-2.98, -2.24)
Central African Republic	41.78 (25.05, 59.24)	4.01 (2.41, 5.69)	72.29 (41.95, 131.67)	3.31 (1.92, 6.03)	-0.77 (-0.89, -0.64)
Chad	66.80 (44.57, 88.16)	3.18 (2.12, 4.20)	153.32 (104.35, 207.90)	2.44 (1.66, 3.30)	-0.61 (-0.70, -0.51)
Chile	26.25 (24.41, 27.99)	0.46 (0.43, 0.49)	11.23 (10.28, 12.24)	0.16 (0.15, 0.17)	-3.76 (-3.94, -3.58)

location	Number in 1990 (95% UI)	Rate in 1990 (95% UI)	Number in 2021 (95% UI)	Rate in 2021 (95% UI)	EAPC in ASMR between 1990 and 2021
China	2543.43 (2019.89, 3339.34)	0.46 (0.37, 0.61)	606.88 (483.05, 759.24)	0.13 (0.10, 0.16)	-4.56 (-4.80, -4.31)
Colombia	65.63 (61.15, 70.93)	0.47 (0.44, 0.50)	25.98 (21.69, 30.65)	0.13 (0.11, 0.15)	-4.72 (-5.00, -4.42)
Comoros	6.08 (2.23, 9.06)	3.52 (1.29, 5.25)	5.34 (3.60, 8.00)	1.72 (1.16, 2.58)	-3.11 (-3.89, -2.32)
Congo	29.62 (17.81, 45.56)	3.13 (1.88, 4.81)	39.36 (25.30, 57.51)	1.78 (1.14, 2.60)	-2.02 (-2.27, -1.76)
Cook Islands	0.12 (0.08, 0.18)	1.60 (1.09, 2.27)	0.03 (0.02, 0.05)	0.56 (0.37, 0.84)	-3.21 (-3.36, -3.06)
Costa Rica	4.66 (4.21, 5.13)	0.36 (0.33, 0.40)	2.12 (1.84, 2.41)	0.11 (0.10, 0.13)	-4.84 (-5.36, -4.31)
Coted'Ivoire	153.22 (115.21, 203.25)	3.24 (2.44, 4.30)	224.28 (146.69, 319.72)	2.00 (1.31, 2.85)	-1.21 (-1.39, -1.02)
Croatia	5.54 (5.03, 6.11)	0.31 (0.28, 0.34)	0.39 (0.33, 0.46)	0.03 (0.03, 0.04)	-7.61 (-8.04, -7.18)
Cuba	64.29 (58.98, 69.87)	1.32 (1.21, 1.43)	19.27 (16.48, 21.93)	0.54 (0.46, 0.61)	-3.78 (-4.14, -3.42)
Cyprus	1.95 (1.55, 2.58)	0.63 (0.50, 0.84)	0.97 (0.73, 1.28)	0.19 (0.14, 0.25)	-4.62 (-5.16, -4.08)
Czechia	9.09 (8.46, 9.74)	0.24 (0.23, 0.26)	0.79 (0.68, 0.91)	0.03 (0.02, 0.03)	-7.10 (-7.97, -6.23)
Democratic People's Republic of Korea	73.20 (43.42, 117.56)	0.88 (0.52, 1.41)	62.89 (36.95, 98.45)	0.63 (0.37, 0.98)	-1.37 (-1.50, -1.23)
Democratic Republic of the Congo	389.77 (240.05, 657.86)	2.72 (1.68, 4.59)	719.91 (440.19, 1373.06)	1.99 (1.22, 3.80)	-1.05 (-1.16, -0.95)
Denmark	12.58 (11.64, 13.52)	0.66 (0.61, 0.71)	2.87 (2.61, 3.12)	0.16 (0.14, 0.17)	-5.28 (-5.62, -4.93)
Djibouti	3.40 (2.22, 4.92)	1.94 (1.26, 2.81)	5.80 (3.04, 10.05)	1.07 (0.56, 1.86)	-2.12 (-2.35, -1.90)
Dominica	0.29 (0.25, 0.35)	1.00 (0.86, 1.20)	0.28 (0.22, 0.36)	1.10 (0.83, 1.38)	0.41 (0.32, 0.50)
Dominican Republic	56.72 (47.57, 66.92)	1.85 (1.55, 2.18)	53.57 (38.90, 78.79)	1.18 (0.86, 1.73)	-0.80 (-1.14, -0.45)
Ecuador	25.34 (22.15, 29.26)	0.61 (0.54, 0.71)	6.27 (4.99, 7.70)	0.09 (0.07, 0.11)	-6.07 (-6.61, -5.53)
Egypt	296.14 (232.87, 370.49)	1.35 (1.06, 1.69)	176.87 (137.75, 221.58)	0.42 (0.33, 0.52)	-3.86 (-4.27, -3.44)
El Salvador	19.60 (16.33, 23.43)	0.94 (0.78, 1.12)	9.29 (6.71, 12.27)	0.36 (0.26, 0.47)	-3.38 (-3.64, -3.11)
Equatorial Guinea	5.05 (3.19, 7.51)	3.34 (2.11, 4.97)	6.54 (3.51, 11.03)	0.94 (0.50, 1.59)	-4.67 (-4.93, -4.41)
Eritrea	59.61 (43.13, 78.17)	4.60 (3.33, 6.03)	67.58 (43.43, 96.85)	2.41 (1.55, 3.46)	-2.12 (-2.25, -2.00)
Estonia	2.35 (2.08, 2.57)	0.41 (0.37, 0.45)	0.15 (0.13, 0.16)	0.04 (0.03, 0.04)	-9.02 (-9.49, -8.54)
Eswatini	11.36 (6.75, 21.88)	3.77 (2.24, 7.26)	17.18 (9.68, 27.60)	3.38 (1.90, 5.42)	0.05 (-0.60, 0.70)
Ethiopia	509.40 (328.31, 635.92)	2.79 (1.80, 3.48)	499.24 (380.71, 637.44)	1.08 (0.82, 1.38)	-3.58 (-3.76, -3.39)
Fiji	26.49 (21.25, 32.60)	8.21 (6.59, 10.11)	15.62 (11.58, 20.37)	4.38 (3.25, 5.71)	-2.28 (-2.49, -2.08)
Finland	8.60 (7.85, 9.47)	0.47 (0.43, 0.52)	1.80 (1.65, 1.96)	0.11 (0.10, 0.12)	-4.98 (-5.26, -4.70)
France	131.25 (123.08, 140.05)	0.60 (0.56, 0.64)	28.21 (26.09, 30.57)	0.14 (0.13, 0.15)	-5.38 (-5.80, -4.96)
Gabon	8.24 (5.82, 11.12)	2.14 (1.51, 2.89)	7.40 (4.27, 12.27)	0.99 (0.57, 1.64)	-2.71 (-2.87, -2.54)
Gambia	12.36 (8.66, 16.98)	3.28 (2.30, 4.50)	24.29 (15.90, 36.64)	2.43 (1.59, 3.66)	-1.06 (-1.41, -0.70)
Georgia	15.34 (13.00, 17.62)	0.72 (0.61, 0.83)	1.16 (0.99, 1.36)	0.10 (0.09, 0.12)	-7.35 (-8.46, -6.23)
Germany	251.87 (234.03, 271.62)	0.85 (0.79, 0.91)	31.47 (28.89, 34.28)	0.12 (0.11, 0.14)	-6.24 (-6.50, -5.99)
Ghana	123.37 (90.54, 157.94)	2.15 (1.58, 2.75)	202.69 (144.20, 278.78)	1.42 (1.01, 1.95)	-1.01 (-1.20, -0.83)
Greece	10.11 (9.39, 10.79)	0.27 (0.25, 0.29)	2.07 (1.89, 2.26)	0.07 (0.07, 0.08)	-4.61 (-4.92, -4.31)
Greenland	0.44 (0.36, 0.54)	1.67 (1.34, 2.06)	0.13 (0.09, 0.18)	0.66 (0.43, 0.89)	-3.84 (-4.16, -3.51)

location	Number in 1990 (95% UI)	Rate in 1990 (95% UI)	Number in 2021 (95% UI)	Rate in 2021 (95% UI)	EAPC in ASMR between 1990 and 2021
Grenada	0.41 (0.35, 0.46)	1.22 (1.06, 1.37)	0.30 (0.25, 0.35)	0.74 (0.62, 0.88)	-1.93 (-2.30, -1.55)
Guam	0.38 (0.29, 0.50)	0.60 (0.46, 0.79)	0.22 (0.16, 0.27)	0.39 (0.30, 0.49)	-1.80 (-2.29, -1.31)
Guatemala	52.06 (46.75, 58.97)	1.76 (1.58, 2.00)	22.39 (18.94, 26.11)	0.33 (0.28, 0.38)	-6.28 (-6.80, -5.75)
Guinea	72.17 (47.38, 97.72)	3.51 (2.31, 4.76)	132.01 (88.65, 189.36)	2.55 (1.72, 3.66)	-0.71 (-0.90, -0.52)
Guinea-Bissau	23.37 (16.12, 31.23)	6.30 (4.35, 8.42)	33.34 (22.15, 47.51)	3.95 (2.63, 5.63)	-1.19 (-1.43, -0.95)
Guyana	4.34 (3.61, 4.98)	1.27 (1.06, 1.46)	4.66 (3.47, 6.02)	1.50 (1.12, 1.94)	0.18 (-0.27, 0.63)
Haiti	102.16 (35.22, 156.16)	4.20 (1.45, 6.42)	160.39 (63.00, 287.48)	2.92 (1.15, 5.24)	-0.91 (-1.08, -0.75)
Honduras	27.60 (20.96, 35.41)	1.60 (1.21, 2.05)	27.24 (14.58, 58.40)	0.62 (0.33, 1.33)	-3.50 (-3.75, -3.24)
Hungary	10.84 (10.00, 11.67)	0.29 (0.27, 0.32)	1.11 (0.95, 1.27)	0.04 (0.03, 0.05)	-7.54 (-8.44, -6.62)
Iceland	0.47 (0.44, 0.51)	0.46 (0.42, 0.49)	0.17 (0.15, 0.20)	0.15 (0.13, 0.17)	-3.57 (-3.86, -3.27)
India	8133.01 (6386.12, 9973.43)	2.38 (1.87, 2.92)	7208.09 (5997.65, 9505.36)	1.18 (0.98, 1.56)	-2.47 (-2.80, -2.13)
Indonesia	2673.70 (1862.45, 3216.94)	3.43 (2.39, 4.12)	2800.54 (2188.58, 3730.31)	2.46 (1.92, 3.28)	-0.81 (-0.95, -0.67)
Iran (Islamic Republic of)	154.76 (119.54, 185.77)	0.71 (0.55, 0.86)	132.12 (108.43, 147.97)	0.38 (0.31, 0.43)	-1.80 (-1.91, -1.68)
Iraq	58.55 (43.95, 79.15)	0.81 (0.61, 1.10)	52.06 (38.54, 73.21)	0.30 (0.22, 0.42)	-3.30 (-3.68, -2.92)
Ireland	10.58 (9.85, 11.37)	0.77 (0.72, 0.83)	2.48 (2.25, 2.71)	0.16 (0.14, 0.17)	-5.20 (-5.54, -4.86)
Israel	9.84 (9.13, 10.62)	0.52 (0.48, 0.56)	5.07 (4.67, 5.49)	0.15 (0.14, 0.17)	-4.00 (-4.26, -3.74)
Italy	59.93 (58.04, 61.87)	0.28 (0.27, 0.29)	6.42 (6.17, 6.72)	0.04 (0.04, 0.04)	-6.88 (-7.46, -6.30)
Jamaica	6.32 (5.25, 7.10)	0.64 (0.53, 0.72)	8.03 (6.07, 10.61)	0.67 (0.51, 0.89)	-1.02 (-1.80, -0.23)
Japan	344.83 (338.51, 350.98)	0.77 (0.76, 0.78)	15.44 (15.07, 15.84)	0.05 (0.05, 0.05)	-9.99 (-10.42, -9.57)
Jordan	9.71 (7.47, 12.43)	0.63 (0.49, 0.81)	9.49 (7.08, 12.66)	0.18 (0.13, 0.24)	-4.82 (-5.25, -4.39)
Kazakhstan	70.26 (60.80, 84.97)	1.03 (0.90, 1.25)	34.04 (28.18, 39.80)	0.49 (0.40, 0.57)	-4.35 (-5.18, -3.51)
Kenya	133.90 (76.99, 264.47)	1.53 (0.88, 3.02)	294.46 (171.47, 728.57)	1.36 (0.79, 3.36)	0.00 (-0.28, 0.28)
Kiribati	2.18 (1.31, 3.94)	7.12 (4.31, 12.89)	2.71 (1.84, 4.78)	5.45 (3.70, 9.60)	-1.15 (-1.30, -1.00)
Kuwait	3.54 (3.14, 3.96)	0.42 (0.37, 0.47)	1.32 (1.09, 1.58)	0.06 (0.05, 0.07)	-6.99 (-7.98, -5.98)
Kyrgyzstan	16.13 (14.05, 18.65)	0.89 (0.78, 1.03)	4.48 (3.66, 5.36)	0.16 (0.13, 0.20)	-6.38 (-7.10, -5.65)
Lao People's Democratic Republic	66.51 (35.57, 92.03)	4.31 (2.30, 5.96)	79.13 (48.96, 127.52)	2.47 (1.53, 3.98)	-2.00 (-2.13, -1.88)
Latvia	4.57 (4.24, 4.94)	0.48 (0.44, 0.52)	0.29 (0.26, 0.33)	0.05 (0.05, 0.06)	-8.28 (-8.75, -7.82)
Lebanon	5.85 (3.34, 8.27)	0.51 (0.29, 0.72)	3.56 (2.83, 4.36)	0.15 (0.12, 0.19)	-3.95 (-4.15, -3.74)
Lesotho	14.26 (9.56, 23.14)	2.64 (1.77, 4.29)	31.18 (20.22, 46.21)	3.75 (2.43, 5.55)	2.35 (1.79, 2.92)
Liberia	32.37 (21.96, 61.94)	3.51 (2.38, 6.71)	48.73 (32.38, 70.14)	2.17 (1.44, 3.12)	-1.13 (-1.54, -0.72)
Libya	15.29 (11.20, 19.89)	0.91 (0.67, 1.18)	21.70 (15.17, 29.33)	0.72 (0.51, 0.98)	-0.37 (-0.68, -0.05)
Lithuania	6.61 (5.76, 7.22)	0.47 (0.41, 0.52)	0.33 (0.29, 0.38)	0.04 (0.04, 0.05)	-8.53 (-8.94, -8.12)
Luxembourg	1.15 (1.06, 1.24)	0.78 (0.72, 0.84)	0.32 (0.29, 0.36)	0.15 (0.13, 0.16)	-6.26 (-6.57, -5.94)
Madagascar	352.58 (297.36, 428.62)	7.78 (6.56, 9.46)	701.65 (479.62, 1090.97)	5.99 (4.10, 9.32)	-0.94 (-1.01, -0.88)
Malawi	79.67 (61.55, 99.91)	2.13 (1.65, 2.67)	140.78 (97.17, 206.65)	1.72 (1.19, 2.53)	-0.84 (-1.06, -0.62)

location	Number in 1990 (95% UI)	Rate in 1990 (95% UI)	Number in 2021 (95% UI)	Rate in 2021 (95% UI)	EAPC in ASMR between 1990 and 2021
Malaysia	112.02 (89.06, 137.81)	1.51 (1.20, 1.86)	90.03 (73.21, 108.62)	0.65 (0.53, 0.78)	-3.65 (-4.01, -3.29)
Maldives	1.85 (1.08, 2.58)	2.27 (1.33, 3.17)	1.02 (0.66, 1.39)	0.39 (0.25, 0.53)	-5.99 (-6.26, -5.71)
Mali	183.56 (139.08, 230.88)	6.15 (4.66, 7.73)	374.98 (239.76, 574.57)	4.21 (2.69, 6.45)	-1.10 (-1.23, -0.97)
Malta	0.51 (0.47, 0.55)	0.37 (0.34, 0.40)	0.10 (0.09, 0.11)	0.08 (0.07, 0.08)	-5.29 (-5.61, -4.98)
Marshall Islands	0.93 (0.69, 1.19)	5.43 (4.04, 6.92)	0.95 (0.61, 1.37)	3.99 (2.55, 5.75)	-0.84 (-0.93, -0.75)
Mauritania	22.76 (16.47, 28.85)	2.96 (2.14, 3.75)	17.98 (12.12, 26.14)	1.05 (0.71, 1.53)	-3.10 (-3.36, -2.84)
Mauritius	13.29 (12.32, 14.35)	2.67 (2.48, 2.89)	3.54 (3.18, 3.93)	0.78 (0.70, 0.86)	-4.23 (-4.46, -4.00)
Mexico	177.42 (173.61, 181.85)	0.50 (0.49, 0.51)	132.92 (120.54, 146.15)	0.26 (0.23, 0.28)	-2.00 (-2.20, -1.80)
Micronesia (Federated States of)	2.54 (1.72, 3.51)	6.34 (4.30, 8.75)	1.43 (0.97, 2.04)	3.36 (2.28, 4.79)	-2.11 (-2.15, -2.07)
Monaco	0.01 (0.01, 0.01)	0.08 (0.06, 0.11)	0.01 (0.00, 0.01)	0.06 (0.04, 0.09)	-0.92 (-1.14, -0.71)
Mongolia	6.56 (4.61, 9.24)	0.74 (0.52, 1.05)	3.00 (2.30, 3.97)	0.24 (0.18, 0.31)	-4.88 (-5.34, -4.42)
Montenegro	0.11 (0.08, 0.15)	0.04 (0.03, 0.06)	0.04 (0.03, 0.05)	0.02 (0.01, 0.02)	-3.12 (-3.62, -2.62)
Morocco	127.33 (75.64, 181.95)	1.22 (0.73, 1.75)	86.81 (60.45, 135.14)	0.59 (0.41, 0.92)	-2.52 (-2.73, -2.30)
Mozambique	95.75 (73.77, 131.37)	2.02 (1.56, 2.77)	242.28 (153.62, 372.91)	2.02 (1.28, 3.10)	0.48 (0.30, 0.66)
Myanmar	1072.82 (671.21, 1487.96)	6.25 (3.91, 8.67)	628.83 (470.12, 846.18)	2.80 (2.09, 3.76)	-2.93 (-3.15, -2.72)
Namibia	18.00 (11.61, 35.24)	3.22 (2.08, 6.30)	20.17 (11.44, 37.68)	1.93 (1.09, 3.61)	-2.00 (-2.36, -1.63)
Nauru	0.22 (0.14, 0.30)	5.51 (3.53, 7.48)	0.18 (0.11, 0.25)	3.79 (2.34, 5.46)	-1.33 (-1.69, -0.97)
Nepal	196.34 (123.50, 295.21)	2.69 (1.69, 4.04)	175.09 (114.67, 299.81)	1.31 (0.86, 2.24)	-2.25 (-2.39, -2.11)
Netherlands	19.86 (18.28, 21.34)	0.33 (0.30, 0.35)	4.40 (4.03, 4.82)	0.08 (0.08, 0.09)	-5.04 (-5.41, -4.67)
New Zealand	22.42 (21.43, 23.48)	1.62 (1.55, 1.70)	13.20 (12.54, 13.87)	0.73 (0.70, 0.77)	-3.17 (-3.61, -2.73)
Nicaragua	8.93 (7.66, 10.48)	0.60 (0.52, 0.71)	6.27 (4.97, 8.19)	0.22 (0.17, 0.29)	-3.58 (-3.76, -3.39)
Niger	96.43 (64.36, 128.48)	3.46 (2.31, 4.62)	170.18 (109.51, 252.98)	1.91 (1.23, 2.84)	-1.87 (-2.14, -1.60)
Nigeria	439.77 (310.66, 577.56)	1.29 (0.91, 1.69)	700.54 (479.39, 1076.40)	0.78 (0.53, 1.20)	-1.71 (-1.81, -1.61)
Niue	0.02 (0.02, 0.03)	2.77 (1.89, 4.12)	0.01 (0.01, 0.02)	1.99 (1.38, 2.89)	-2.19 (-2.52, -1.85)
North Macedonia	3.39 (2.81, 4.19)	0.43 (0.35, 0.53)	0.85 (0.52, 1.58)	0.11 (0.07, 0.21)	-5.22 (-5.57, -4.86)
Northern Mariana Islands	0.48 (0.31, 0.68)	2.06 (1.33, 2.92)	0.14 (0.10, 0.20)	0.85 (0.58, 1.21)	-3.31 (-3.64, -2.98)
Norway	5.71 (5.53, 5.89)	0.36 (0.35, 0.37)	1.98 (1.90, 2.05)	0.11 (0.11, 0.12)	-4.33 (-4.77, -3.90)
Oman	5.44 (3.79, 7.44)	0.66 (0.46, 0.90)	4.01 (2.96, 5.32)	0.17 (0.13, 0.23)	-3.74 (-4.05, -3.44)
Pakistan	662.19 (494.33, 875.66)	1.62 (1.21, 2.15)	1246.37 (874.62, 1965.91)	1.26 (0.88, 1.99)	-1.12 (-1.39, -0.85)
Palau	0.37 (0.26, 0.51)	5.27 (3.74, 7.33)	0.30 (0.23, 0.39)	5.06 (3.89, 6.65)	0.01 (-0.08, 0.10)
Palestine	3.89 (2.73, 5.45)	0.51 (0.36, 0.71)	3.70 (2.90, 4.82)	0.17 (0.13, 0.22)	-3.66 (-3.92, -3.40)
Panama	5.11 (4.69, 5.70)	0.51 (0.46, 0.56)	2.19 (1.82, 2.69)	0.13 (0.11, 0.16)	-4.75 (-5.04, -4.45)
Papua New Guinea	74.69 (44.78, 111.82)	4.51 (2.71, 6.76)	159.56 (101.34, 247.76)	3.73 (2.37, 5.79)	-0.73 (-0.84, -0.61)
Paraguay	4.58 (3.69, 5.74)	0.29 (0.24, 0.37)	5.39 (4.00, 7.08)	0.18 (0.13, 0.23)	-1.86 (-2.13, -1.58)
Peru	42.58 (32.45, 56.04)	0.48 (0.37, 0.63)	15.67 (11.01, 21.76)	0.11 (0.07, 0.15)	-5.04 (-5.41, -4.66)

location	Number in 1990 (95% UI)	Rate in 1990 (95% UI)	Number in 2021 (95% UI)	Rate in 2021 (95% UI)	EAPC in ASMR between 1990 and 2021
Philippines	646.20 (552.33, 715.97)	2.49 (2.13, 2.76)	1116.09 (945.69, 1294.24)	2.36 (2.00, 2.74)	0.65 (0.28, 1.02)
Poland	65.19 (63.87, 66.42)	0.45 (0.44, 0.46)	7.50 (6.91, 8.05)	0.06 (0.06, 0.07)	-7.08 (-7.80, -6.36)
Portugal	33.34 (31.18, 35.67)	0.88 (0.82, 0.94)	5.04 (4.61, 5.50)	0.17 (0.16, 0.19)	-6.01 (-6.51, -5.50)
Puerto Rico	23.39 (21.70, 25.23)	1.65 (1.53, 1.78)	7.18 (5.97, 8.55)	0.69 (0.58, 0.83)	-3.63 (-4.13, -3.12)
Qatar	1.00 (0.76, 1.36)	0.42 (0.32, 0.57)	1.53 (1.09, 2.09)	0.09 (0.07, 0.13)	-5.56 (-6.15, -4.97)
Republic of Korea	309.03 (267.72, 343.47)	1.47 (1.27, 1.63)	25.08 (20.34, 45.26)	0.16 (0.13, 0.28)	-7.95 (-8.31, -7.59)
Republic of Moldova	11.86 (10.70, 13.07)	0.68 (0.61, 0.75)	0.70 (0.61, 0.81)	0.06 (0.05, 0.06)	-9.01 (-9.40, -8.61)
Romania	37.23 (32.30, 43.31)	0.43 (0.37, 0.50)	3.17 (2.66, 3.73)	0.06 (0.05, 0.07)	-6.40 (-6.76, -6.04)
Russian Federation	472.24 (456.49, 490.72)	0.81 (0.78, 0.84)	64.91 (59.99, 69.91)	0.14 (0.13, 0.15)	-6.37 (-6.77, -5.97)
Rwanda	164.40 (118.39, 208.64)	6.00 (4.32, 7.61)	101.41 (63.95, 173.93)	1.79 (1.13, 3.07)	-5.03 (-5.54, -4.52)
Saint Kitts and Nevis	0.19 (0.17, 0.23)	1.12 (0.96, 1.32)	0.07 (0.05, 0.09)	0.29 (0.21, 0.38)	-5.02 (-5.81, -4.23)
Saint Lucia	1.02 (0.94, 1.11)	1.82 (1.66, 1.97)	0.93 (0.77, 1.12)	1.41 (1.17, 1.69)	-1.19 (-1.43, -0.96)
Saint Vincent and the Grenadines	0.50 (0.46, 0.54)	1.09 (0.99, 1.18)	0.36 (0.31, 0.42)	0.88 (0.76, 1.01)	-1.10 (-1.47, -0.73)
Samoa	2.15 (1.39, 3.59)	3.22 (2.08, 5.36)	1.85 (1.22, 2.80)	2.30 (1.52, 3.49)	-1.01 (-1.11, -0.90)
San Marino	0.01 (0.01, 0.01)	0.13 (0.10, 0.15)	0.00 (0.00, 0.01)	0.06 (0.03, 0.08)	-1.97 (-2.20, -1.73)
Sao Tome and Principe	2.12 (1.34, 2.79)	4.94 (3.12, 6.50)	3.21 (1.89, 5.34)	3.54 (2.08, 5.88)	-1.36 (-1.92, -0.81)
Saudi Arabia	83.49 (56.32, 116.15)	1.26 (0.85, 1.75)	154.49 (100.00, 217.80)	0.83 (0.54, 1.18)	-0.90 (-1.14, -0.67)
Senegal	93.26 (71.03, 119.91)	3.38 (2.57, 4.35)	120.02 (85.93, 175.16)	1.86 (1.33, 2.72)	-1.29 (-1.70, -0.88)
Serbia	14.69 (11.11, 18.84)	0.41 (0.31, 0.52)	2.74 (2.06, 3.75)	0.09 (0.07, 0.13)	-5.17 (-5.41, -4.93)
Seychelles	0.54 (0.46, 0.65)	1.72 (1.46, 2.07)	0.32 (0.25, 0.40)	0.83 (0.65, 1.03)	-2.13 (-2.35, -1.91)
Sierra Leone	46.71 (31.72, 67.85)	2.92 (1.99, 4.25)	80.43 (52.75, 124.38)	2.16 (1.41, 3.33)	-0.59 (-0.85, -0.33)
Singapore	13.59 (12.50, 14.75)	0.90 (0.83, 0.98)	0.88 (0.76, 1.01)	0.05 (0.04, 0.05)	-9.99 (-10.45, -9.54)
Slovakia	3.02 (2.47, 3.66)	0.15 (0.12, 0.18)	0.54 (0.40, 0.73)	0.03 (0.02, 0.04)	-5.14 (-5.59, -4.68)
Slovenia	1.66 (1.52, 1.82)	0.22 (0.20, 0.24)	0.07 (0.06, 0.09)	0.01 (0.01, 0.02)	-9.45 (-10.01, -8.88)
Solomon Islands	2.83 (1.48, 4.40)	2.21 (1.15, 3.43)	5.31 (3.74, 7.36)	1.94 (1.37, 2.69)	-0.27 (-0.40, -0.14)
Somalia	140.46 (83.55, 208.73)	4.84 (2.88, 7.20)	245.69 (147.09, 355.40)	2.96 (1.77, 4.29)	-1.56 (-1.80, -1.32)
South Africa	876.65 (731.46, 1032.61)	5.57 (4.65, 6.56)	545.54 (486.26, 624.60)	2.25 (2.01, 2.58)	-3.44 (-4.55, -2.32)
South Sudan	63.07 (39.08, 94.94)	2.73 (1.69, 4.11)	79.97 (47.74, 129.79)	2.22 (1.33, 3.61)	-0.93 (-1.46, -0.40)
Spain	84.11 (78.67, 89.21)	0.57 (0.53, 0.60)	15.83 (14.66, 17.16)	0.13 (0.12, 0.14)	-5.36 (-5.73, -4.98)
Sri Lanka	221.74 (170.53, 264.17)	3.00 (2.31, 3.57)	69.80 (46.62, 99.77)	0.87 (0.58, 1.24)	-4.75 (-5.13, -4.36)
Sudan	158.31 (59.21, 271.92)	2.08 (0.78, 3.57)	163.82 (86.75, 268.25)	0.89 (0.47, 1.45)	-2.74 (-2.91, -2.58)
Suriname	2.27 (1.76, 2.62)	1.40 (1.08, 1.61)	2.37 (1.85, 2.88)	1.10 (0.86, 1.34)	-1.25 (-1.51, -0.98)
Sweden	11.96 (11.41, 12.62)	0.41 (0.39, 0.43)	4.22 (3.75, 4.70)	0.13 (0.12, 0.14)	-2.94 (-3.27, -2.61)
Switzerland	14.16 (13.01, 15.55)	0.54 (0.49, 0.59)	2.90 (2.65, 3.16)	0.10 (0.10, 0.11)	-6.08 (-6.42, -5.73)
Syrian Arab Republic	73.98 (53.29, 93.98)	1.54 (1.11, 1.96)	47.57 (30.17, 80.60)	0.94 (0.59, 1.58)	-1.23 (-1.67, -0.79)

location	Number in 1990 (95% UI)	Rate in 1990 (95% UI)	Number in 2021 (95% UI)	Rate in 2021 (95% UI)	EAPC in ASMR between 1990 and 2021
Taiwan (Province of China)	52.03 (48.70, 55.45)	0.56 (0.53, 0.60)	8.73 (7.89, 9.62)	0.12 (0.10, 0.13)	-5.58 (-5.91, -5.25)
Tajikistan	13.40 (10.51, 17.01)	0.63 (0.50, 0.80)	13.76 (8.71, 24.34)	0.33 (0.21, 0.58)	-3.59 (-4.13, -3.04)
Thailand	260.84 (197.40, 369.37)	1.01 (0.76, 1.42)	176.90 (131.24, 232.90)	0.83 (0.62, 1.10)	-1.34 (-1.86, -0.81)
Timor-Leste	7.82 (4.40, 11.13)	2.46 (1.38, 3.50)	10.01 (7.00, 14.83)	1.75 (1.23, 2.60)	-1.19 (-1.85, -0.52)
Togo	47.33 (36.00, 61.98)	3.45 (2.63, 4.52)	77.07 (52.35, 114.94)	2.29 (1.56, 3.42)	-0.99 (-1.16, -0.83)
Tokelau	0.02 (0.01, 0.03)	3.20 (1.55, 5.50)	0.01 (0.01, 0.02)	2.43 (1.55, 3.73)	-1.88 (-2.29, -1.47)
Tonga	0.61 (0.46, 0.81)	1.65 (1.24, 2.18)	0.51 (0.35, 0.74)	1.31 (0.90, 1.91)	-0.52 (-0.65, -0.39)
Trinidad and Tobago	7.14 (6.59, 7.66)	1.42 (1.31, 1.53)	5.50 (4.06, 7.08)	1.10 (0.82, 1.42)	-1.27 (-1.64, -0.89)
Tunisia	24.51 (18.95, 30.76)	0.71 (0.55, 0.89)	16.90 (11.85, 24.10)	0.39 (0.27, 0.55)	-2.19 (-2.30, -2.09)
Turkey	162.60 (117.19, 218.13)	0.68 (0.49, 0.91)	60.11 (44.64, 78.78)	0.19 (0.14, 0.25)	-4.01 (-4.22, -3.79)
Turkmenistan	12.44 (9.04, 17.44)	0.81 (0.59, 1.14)	9.69 (6.03, 14.81)	0.47 (0.29, 0.71)	-3.00 (-3.73, -2.26)
Tuvalu	0.21 (0.13, 0.31)	5.88 (3.59, 8.55)	0.13 (0.08, 0.18)	2.58 (1.66, 3.72)	-2.81 (-2.92, -2.70)
Uganda	146.84 (91.18, 214.55)	2.29 (1.42, 3.34)	268.10 (157.67, 491.95)	1.56 (0.92, 2.86)	-2.17 (-2.53, -1.81)
Ukraine	67.01 (59.63, 73.69)	0.35 (0.31, 0.39)	10.04 (6.89, 13.28)	0.07 (0.05, 0.10)	-7.18 (-7.99, -6.36)
United Arab Emirates	14.04 (9.27, 23.19)	1.47 (0.97, 2.43)	19.58 (9.53, 27.15)	0.49 (0.24, 0.68)	-3.64 (-3.92, -3.36)
United Kingdom	185.58 (183.40, 187.53)	0.89 (0.88, 0.90)	86.67 (84.96, 88.44)	0.40 (0.39, 0.41)	-2.02 (-2.33, -1.70)
United Republic of Tanzania	174.64 (134.90, 217.36)	1.80 (1.39, 2.24)	286.50 (184.15, 439.63)	1.23 (0.79, 1.88)	-1.29 (-1.40, -1.18)
United States of America	657.54 (645.48, 668.85)	0.64 (0.63, 0.65)	603.68 (579.13, 629.19)	0.54 (0.52, 0.57)	-1.17 (-1.54, -0.79)
United States Virgin Islands	0.49 (0.40, 0.61)	1.25 (1.01, 1.54)	0.21 (0.16, 0.30)	0.91 (0.67, 1.30)	-0.67 (-0.92, -0.42)
Uruguay	9.37 (8.55, 10.33)	0.82 (0.75, 0.91)	5.57 (5.05, 6.08)	0.47 (0.42, 0.51)	-2.23 (-2.40, -2.06)
Uzbekistan	99.59 (85.13, 113.76)	1.16 (0.99, 1.33)	51.78 (41.89, 64.15)	0.38 (0.30, 0.47)	-5.62 (-6.50, -4.72)
Vanuatu	3.08 (1.74, 5.28)	5.25 (2.97, 9.01)	5.16 (3.22, 8.63)	4.14 (2.59, 6.92)	-1.13 (-1.27, -1.00)
Venezuela (Bolivarian Republic of)	56.09 (51.18, 62.13)	0.70 (0.64, 0.78)	25.80 (18.54, 33.92)	0.28 (0.20, 0.36)	-3.32 (-3.65, -2.98)
Viet Nam	372.46 (254.67, 497.52)	1.31 (0.89, 1.74)	252.99 (183.73, 347.00)	0.66 (0.48, 0.90)	-2.24 (-2.43, -2.05)
Yemen	59.09 (30.39, 94.92)	1.29 (0.66, 2.06)	100.72 (55.50, 167.79)	0.73 (0.40, 1.22)	-1.85 (-2.03, -1.66)
Zambia	69.80 (48.74, 89.29)	2.30 (1.61, 2.94)	146.56 (87.54, 248.86)	1.81 (1.08, 3.08)	-0.95 (-1.12, -0.79)
Zimbabwe	59.28 (45.64, 76.91)	1.50 (1.15, 1.94)	183.51 (123.87, 255.38)	2.90 (1.95, 4.03)	3.29 (2.51, 4.08)

**Abbreviation:** EAPC, estimated annual percentage change; ASMR, age-standardized rates for mortality; UI, uncertainty interval; SDI, socio-demographic index; GBD, global burden of disease.

**Supplementary Table SXIII.** Pneumoconiosis mortality in 1990 and 2021 in adolescents and young adults and EAPC in ASMR by location

location	Number in 1990 (95% UI)	Rate in 1990 (95% UI)	Number in 2021 (95% UI)	Rate in 2021 (95% UI)	EAPC in ASMR between 1990 and 2021
Global	702.66 (575.04, 854.62)	0.03 (0.03, 0.04)	386.26 (326.84, 454.50)	0.01 (0.01, 0.02)	-3.53 (-3.87, -3.19)
SDI regions					
High SDI	34.09 (29.63, 40.57)	0.01 (0.01, 0.01)	17.76 (14.90, 21.63)	0.01 (0.00, 0.01)	-2.64 (-2.90, -2.37)
High-middle SDI	209.41 (170.05, 257.61)	0.05 (0.04, 0.06)	97.48 (78.05, 124.85)	0.02 (0.02, 0.03)	-3.32 (-3.72, -2.91)
Middle SDI	395.26 (312.22, 503.12)	0.05 (0.04, 0.07)	176.56 (141.55, 221.45)	0.02 (0.02, 0.02)	-3.87 (-4.28, -3.45)
Low-middle SDI	49.43 (36.30, 63.33)	0.01 (0.01, 0.01)	65.89 (51.14, 84.50)	0.01 (0.01, 0.01)	-1.11 (-1.25, -0.97)
Low SDI	14.33 (7.63, 23.23)	0.01 (0.00, 0.01)	28.48 (15.41, 50.57)	0.01 (0.00, 0.01)	-0.79 (-0.89, -0.70)
GBD regions					
Central Asia	4.12 (2.99, 5.40)	0.01 (0.01, 0.02)	2.68 (2.09, 3.41)	0.01 (0.01, 0.01)	-3.51 (-4.14, -2.87)
East Asia	566.13 (455.06, 713.54)	0.10 (0.08, 0.13)	236.45 (183.72, 305.96)	0.05 (0.04, 0.06)	-3.09 (-3.50, -2.67)
South Asia	9.52 (3.70, 14.19)	0.00 (0.00, 0.00)	11.54 (6.40, 16.64)	0.00 (0.00, 0.00)	-1.44 (-1.69, -1.18)
Southeast Asia	3.13 (2.30, 3.94)	0.00 (0.00, 0.00)	3.46 (2.53, 4.71)	0.00 (0.00, 0.00)	-1.05 (-1.26, -0.83)
High-income Asia Pacific	1.97 (1.57, 2.49)	0.00 (0.00, 0.00)	0.58 (0.48, 0.73)	0.00 (0.00, 0.00)	-3.56 (-3.86, -3.26)
Oceania	0.00 (0.00, 0.01)	0.00 (0.00, 0.00)	0.01 (0.01, 0.03)	0.00 (0.00, 0.00)	0.92 (0.74, 1.09)
Australasia	0.06 (0.04, 0.10)	0.00 (0.00, 0.00)	0.15 (0.10, 0.22)	0.00 (0.00, 0.00)	2.98 (2.21, 3.75)
Central Europe	3.85 (3.48, 4.24)	0.01 (0.01, 0.01)	0.58 (0.50, 0.66)	0.00 (0.00, 0.00)	-5.83 (-6.17, -5.49)
Eastern Europe	4.05 (3.35, 4.88)	0.00 (0.00, 0.01)	2.11 (1.88, 2.37)	0.00 (0.00, 0.00)	-2.36 (-3.55, -1.15)
Western Europe	5.83 (5.25, 6.50)	0.00 (0.00, 0.00)	1.52 (1.38, 1.68)	0.00 (0.00, 0.00)	-4.19 (-4.40, -3.98)
Andean Latin America	3.64 (2.60, 5.01)	0.02 (0.02, 0.03)	3.90 (2.67, 5.60)	0.01 (0.01, 0.02)	-1.45 (-1.79, -1.10)
Central Latin America	11.88 (11.06, 12.72)	0.02 (0.02, 0.02)	7.20 (6.43, 8.16)	0.01 (0.01, 0.01)	-3.55 (-3.86, -3.23)
High-income North America	4.43 (4.17, 4.72)	0.00 (0.00, 0.00)	2.01 (1.85, 2.14)	0.00 (0.00, 0.00)	-2.85 (-3.08, -2.63)
Southern Latin America	2.80 (2.38, 3.25)	0.01 (0.01, 0.02)	1.80 (1.54, 2.10)	0.01 (0.01, 0.01)	-2.97 (-3.38, -2.56)
Tropical Latin America	19.65 (18.13, 21.21)	0.03 (0.03, 0.03)	25.23 (23.42, 27.31)	0.03 (0.03, 0.03)	-1.12 (-1.80, -0.43)
Caribbean	0.90 (0.70, 1.11)	0.01 (0.00, 0.01)	0.85 (0.60, 1.19)	0.00 (0.00, 0.01)	-1.67 (-2.25, -1.09)
Central Sub-Saharan Africa	2.04 (0.94, 3.67)	0.01 (0.00, 0.02)	4.94 (1.92, 10.93)	0.01 (0.00, 0.02)	-0.39 (-0.52, -0.25)
Eastern Sub-Saharan Africa	7.37 (3.82, 12.73)	0.01 (0.01, 0.02)	14.42 (7.53, 27.10)	0.01 (0.00, 0.02)	-1.00 (-1.10, -0.90)
North Africa and Middle East	36.74 (26.38, 48.09)	0.03 (0.02, 0.04)	45.58 (33.87, 63.33)	0.02 (0.01, 0.02)	-1.37 (-1.66, -1.08)
Southern Sub-Saharan Africa	7.11 (4.63, 10.00)	0.03 (0.02, 0.05)	6.49 (5.06, 8.15)	0.02 (0.01, 0.02)	-2.29 (-2.92, -1.65)
Western Sub-Saharan Africa	7.43 (3.55, 11.91)	0.01 (0.00, 0.02)	14.79 (6.58, 25.59)	0.01 (0.00, 0.01)	-0.93 (-1.03, -0.82)
Countries					
Afghanistan	0.11 (0.04, 0.39)	0.00 (0.00, 0.01)	0.80 (0.41, 1.79)	0.01 (0.00, 0.01)	2.70 (2.19, 3.21)
Albania	0.06 (0.03, 0.10)	0.00 (0.00, 0.01)	0.02 (0.01, 0.04)	0.00 (0.00, 0.00)	-3.07 (-3.55, -2.60)

location	Number in 1990 (95% UI)	Rate in 1990 (95% UI)	Number in 2021 (95% UI)	Rate in 2021 (95% UI)	EAPC in ASMR between 1990 and 2021
Algeria	0.23 (0.11, 0.58)	0.00 (0.00, 0.01)	0.81 (0.48, 1.49)	0.00 (0.00, 0.01)	2.71 (2.56, 2.87)
American Samoa	0.00 (0.00, 0.00)	0.00 (0.00, 0.00)	0.00 (0.00, 0.00)	0.00 (0.00, 0.00)	-0.03 (-0.41, 0.35)
Andorra	0.00 (0.00, 0.00)	0.00 (0.00, 0.00)	0.00 (0.00, 0.00)	0.00 (0.00, 0.00)	-1.85 (-2.28, -1.42)
Angola	0.35 (0.16, 0.60)	0.01 (0.00, 0.02)	0.71 (0.32, 1.20)	0.01 (0.00, 0.01)	-1.48 (-1.62, -1.34)
Antigua and Barbuda	0.00 (0.00, 0.00)	0.00 (0.00, 0.00)	0.00 (0.00, 0.00)	0.00 (0.00, 0.00)	-3.08 (-4.02, -2.13)
Argentina	0.48 (0.38, 0.60)	0.00 (0.00, 0.00)	0.47 (0.38, 0.57)	0.00 (0.00, 0.00)	-1.86 (-2.45, -1.26)
Armenia	0.16 (0.13, 0.20)	0.01 (0.01, 0.01)	0.02 (0.02, 0.02)	0.00 (0.00, 0.00)	-6.71 (-7.55, -5.86)
Australia	0.06 (0.04, 0.10)	0.00 (0.00, 0.00)	0.14 (0.09, 0.21)	0.00 (0.00, 0.00)	2.74 (2.00, 3.48)
Austria	0.03 (0.03, 0.03)	0.00 (0.00, 0.00)	0.01 (0.01, 0.02)	0.00 (0.00, 0.00)	-2.64 (-3.04, -2.24)
Azerbaijan	0.07 (0.04, 0.14)	0.00 (0.00, 0.00)	0.10 (0.05, 0.19)	0.00 (0.00, 0.00)	-1.68 (-2.22, -1.13)
Bahamas	0.01 (0.01, 0.01)	0.01 (0.01, 0.01)	0.01 (0.01, 0.01)	0.01 (0.01, 0.01)	-1.41 (-2.18, -0.64)
Bahrain	0.02 (0.02, 0.03)	0.01 (0.01, 0.01)	0.16 (0.12, 0.22)	0.02 (0.02, 0.03)	3.92 (3.12, 4.73)
Bangladesh	1.15 (0.38, 1.90)	0.00 (0.00, 0.00)	1.10 (0.49, 1.86)	0.00 (0.00, 0.00)	-1.89 (-2.11, -1.67)
Barbados	0.00 (0.00, 0.00)	0.00 (0.00, 0.00)	0.00 (0.00, 0.00)	0.00 (0.00, 0.00)	-1.68 (-2.29, -1.07)
Belarus	0.41 (0.26, 0.63)	0.01 (0.01, 0.02)	0.07 (0.05, 0.11)	0.00 (0.00, 0.00)	-6.07 (-6.56, -5.58)
Belgium	0.61 (0.49, 0.76)	0.02 (0.01, 0.02)	0.17 (0.14, 0.21)	0.00 (0.00, 0.01)	-4.08 (-4.39, -3.76)
Belize	0.03 (0.02, 0.04)	0.04 (0.02, 0.05)	0.05 (0.04, 0.07)	0.03 (0.02, 0.04)	-1.75 (-2.61, -0.88)
Benin	0.23 (0.10, 0.41)	0.01 (0.01, 0.02)	0.45 (0.17, 0.89)	0.01 (0.00, 0.02)	-1.53 (-1.81, -1.24)
Bermuda	0.00 (0.00, 0.00)	0.01 (0.01, 0.02)	0.00 (0.00, 0.00)	0.00 (0.00, 0.00)	-7.75 (-8.45, -7.05)
Bhutan	0.00 (0.00, 0.01)	0.00 (0.00, 0.00)	0.00 (0.00, 0.01)	0.00 (0.00, 0.00)	-1.57 (-1.73, -1.41)
Bolivia (Plurinational State of)	0.41 (0.25, 0.65)	0.02 (0.01, 0.03)	0.46 (0.26, 0.77)	0.01 (0.01, 0.02)	-2.26 (-2.67, -1.84)
Bosnia and Herzegovina	0.05 (0.02, 0.09)	0.00 (0.00, 0.00)	0.01 (0.01, 0.02)	0.00 (0.00, 0.00)	-3.66 (-4.06, -3.25)
Botswana	0.14 (0.06, 0.29)	0.03 (0.01, 0.06)	0.18 (0.09, 0.32)	0.02 (0.01, 0.03)	-1.61 (-1.83, -1.40)
Brazil	19.21 (17.74, 20.78)	0.03 (0.03, 0.03)	24.33 (22.51, 26.36)	0.03 (0.03, 0.03)	-1.14 (-1.83, -0.45)
Brunei Darussalam	0.00 (0.00, 0.00)	0.00 (0.00, 0.00)	0.00 (0.00, 0.00)	0.00 (0.00, 0.00)	-1.74 (-2.24, -1.24)
Bulgaria	0.36 (0.27, 0.48)	0.01 (0.01, 0.02)	0.09 (0.06, 0.13)	0.00 (0.00, 0.01)	-3.96 (-4.38, -3.54)
Burkina Faso	0.22 (0.07, 0.44)	0.01 (0.00, 0.01)	0.48 (0.16, 0.99)	0.01 (0.00, 0.01)	-0.68 (-0.86, -0.50)
Burundi	0.33 (0.15, 0.61)	0.02 (0.01, 0.03)	0.46 (0.19, 0.98)	0.01 (0.00, 0.02)	-2.48 (-3.02, -1.93)
Cabo Verde	0.04 (0.01, 0.07)	0.03 (0.01, 0.05)	0.02 (0.01, 0.03)	0.01 (0.00, 0.01)	-4.18 (-4.77, -3.59)
Cambodia	0.04 (0.02, 0.06)	0.00 (0.00, 0.00)	0.06 (0.03, 0.11)	0.00 (0.00, 0.00)	-0.63 (-0.81, -0.45)
Cameroon	0.63 (0.27, 1.03)	0.02 (0.01, 0.03)	1.50 (0.56, 2.85)	0.01 (0.00, 0.02)	-1.09 (-1.29, -0.90)
Canada	0.26 (0.22, 0.31)	0.00 (0.00, 0.00)	0.12 (0.10, 0.15)	0.00 (0.00, 0.00)	-2.91 (-3.20, -2.63)
Central African Republic	0.14 (0.05, 0.26)	0.01 (0.01, 0.02)	0.28 (0.10, 0.58)	0.01 (0.00, 0.03)	-0.41 (-0.55, -0.28)
Chad	0.27 (0.11, 0.51)	0.01 (0.01, 0.02)	0.61 (0.25, 1.14)	0.01 (0.00, 0.02)	-0.83 (-0.94, -0.72)
Chile	2.29 (1.91, 2.74)	0.04 (0.03, 0.05)	1.31 (1.07, 1.59)	0.02 (0.02, 0.02)	-3.04 (-3.41, -2.67)

location	Number in 1990 (95% UI)	Rate in 1990 (95% UI)	Number in 2021 (95% UI)	Rate in 2021 (95% UI)	EAPC in ASMR between 1990 and 2021
China	558.83 (447.32, 705.78)	0.10 (0.08, 0.13)	228.82 (175.17, 297.95)	0.05 (0.04, 0.06)	-3.14 (-3.56, -2.72)
Colombia	3.86 (3.23, 4.53)	0.03 (0.02, 0.03)	1.98 (1.57, 2.43)	0.01 (0.01, 0.01)	-3.61 (-3.86, -3.35)
Comoros	0.02 (0.01, 0.04)	0.01 (0.00, 0.02)	0.03 (0.01, 0.05)	0.01 (0.00, 0.02)	-1.71 (-2.35, -1.07)
Congo	0.12 (0.05, 0.21)	0.01 (0.01, 0.02)	0.19 (0.08, 0.39)	0.01 (0.00, 0.02)	-1.41 (-1.66, -1.15)
Cook Islands	0.00 (0.00, 0.00)	0.00 (0.00, 0.00)	0.00 (0.00, 0.00)	0.00 (0.00, 0.00)	-1.96 (-2.25, -1.67)
Costa Rica	0.04 (0.03, 0.04)	0.00 (0.00, 0.00)	0.04 (0.03, 0.05)	0.00 (0.00, 0.00)	-2.49 (-3.11, -1.86)
Coted'Ivoire	0.72 (0.33, 1.26)	0.02 (0.01, 0.03)	1.24 (0.51, 2.22)	0.01 (0.00, 0.02)	-0.84 (-1.01, -0.66)
Croatia	0.07 (0.05, 0.09)	0.00 (0.00, 0.00)	0.01 (0.01, 0.01)	0.00 (0.00, 0.00)	-5.97 (-6.34, -5.60)
Cuba	0.22 (0.16, 0.29)	0.00 (0.00, 0.01)	0.01 (0.01, 0.01)	0.00 (0.00, 0.00)	-9.71 (-10.91, -8.50)
Cyprus	0.00 (0.00, 0.00)	0.00 (0.00, 0.00)	0.00 (0.00, 0.00)	0.00 (0.00, 0.00)	-4.15 (-4.87, -3.43)
Czechia	0.84 (0.60, 1.13)	0.02 (0.02, 0.03)	0.08 (0.06, 0.11)	0.00 (0.00, 0.00)	-6.26 (-6.60, -5.91)
Democratic People's Republic of Korea	3.65 (2.04, 6.30)	0.04 (0.02, 0.08)	5.10 (2.38, 9.79)	0.05 (0.02, 0.10)	-0.14 (-0.44, 0.15)
Democratic Republic of the Congo	1.38 (0.58, 2.65)	0.01 (0.00, 0.02)	3.67 (1.15, 8.67)	0.01 (0.00, 0.02)	0.07 (-0.10, 0.23)
Denmark	0.05 (0.04, 0.06)	0.00 (0.00, 0.00)	0.02 (0.01, 0.02)	0.00 (0.00, 0.00)	-3.57 (-3.96, -3.17)
Djibouti	0.01 (0.01, 0.03)	0.01 (0.00, 0.01)	0.03 (0.01, 0.07)	0.01 (0.00, 0.01)	-1.08 (-1.25, -0.91)
Dominica	0.00 (0.00, 0.00)	0.00 (0.00, 0.00)	0.00 (0.00, 0.00)	0.00 (0.00, 0.00)	1.52 (1.27, 1.77)
Dominican Republic	0.07 (0.04, 0.10)	0.00 (0.00, 0.00)	0.18 (0.11, 0.30)	0.00 (0.00, 0.01)	0.89 (0.14, 1.66)
Ecuador	0.29 (0.24, 0.35)	0.01 (0.01, 0.01)	0.42 (0.31, 0.55)	0.01 (0.00, 0.01)	-0.37 (-1.03, 0.29)
Egypt	24.78 (16.58, 34.79)	0.11 (0.08, 0.16)	28.85 (19.42, 42.83)	0.07 (0.05, 0.10)	-1.81 (-2.23, -1.39)
El Salvador	0.01 (0.01, 0.02)	0.00 (0.00, 0.00)	0.01 (0.01, 0.02)	0.00 (0.00, 0.00)	-1.11 (-1.36, -0.85)
Equatorial Guinea	0.02 (0.01, 0.03)	0.01 (0.01, 0.02)	0.04 (0.02, 0.07)	0.01 (0.00, 0.01)	-3.06 (-3.56, -2.56)
Eritrea	0.22 (0.11, 0.41)	0.02 (0.01, 0.03)	0.33 (0.15, 0.66)	0.01 (0.01, 0.02)	-1.29 (-1.47, -1.12)
Estonia	0.00 (0.00, 0.00)	0.00 (0.00, 0.00)	0.00 (0.00, 0.00)	0.00 (0.00, 0.00)	0.25 (-1.79, 2.32)
Eswatini	0.26 (0.06, 0.66)	0.09 (0.02, 0.22)	0.29 (0.11, 0.58)	0.06 (0.02, 0.11)	-1.27 (-1.63, -0.91)
Ethiopia	1.51 (0.67, 3.07)	0.01 (0.00, 0.02)	2.14 (1.07, 4.31)	0.00 (0.00, 0.01)	-2.28 (-2.47, -2.09)
Fiji	0.00 (0.00, 0.00)	0.00 (0.00, 0.00)	0.00 (0.00, 0.00)	0.00 (0.00, 0.00)	-1.84 (-2.07, -1.61)
Finland	0.07 (0.06, 0.09)	0.00 (0.00, 0.01)	0.02 (0.01, 0.02)	0.00 (0.00, 0.00)	-4.01 (-4.26, -3.76)
France	1.53 (1.24, 1.87)	0.01 (0.01, 0.01)	0.42 (0.35, 0.50)	0.00 (0.00, 0.00)	-4.13 (-4.32, -3.95)
Gabon	0.03 (0.02, 0.06)	0.01 (0.00, 0.02)	0.04 (0.02, 0.08)	0.01 (0.00, 0.01)	-1.87 (-2.03, -1.70)
Gambia	0.06 (0.03, 0.11)	0.02 (0.01, 0.03)	0.13 (0.06, 0.26)	0.01 (0.01, 0.03)	-0.84 (-1.22, -0.46)
Georgia	0.01 (0.01, 0.01)	0.00 (0.00, 0.00)	0.03 (0.03, 0.04)	0.00 (0.00, 0.00)	9.53 (6.23, 12.93)
Germany	1.18 (0.90, 1.50)	0.00 (0.00, 0.01)	0.30 (0.23, 0.39)	0.00 (0.00, 0.00)	-4.02 (-4.20, -3.83)
Ghana	0.72 (0.26, 1.30)	0.01 (0.00, 0.02)	1.56 (0.67, 2.98)	0.01 (0.00, 0.02)	-0.37 (-0.56, -0.19)
Greece	0.01 (0.01, 0.01)	0.00 (0.00, 0.00)	0.00 (0.00, 0.00)	0.00 (0.00, 0.00)	-1.96 (-2.17, -1.75)
Greenland	0.00 (0.00, 0.00)	0.00 (0.00, 0.00)	0.00 (0.00, 0.00)	0.00 (0.00, 0.00)	-2.26 (-2.66, -1.87)

location	Number in 1990 (95% UI)	Rate in 1990 (95% UI)	Number in 2021 (95% UI)	Rate in 2021 (95% UI)	EAPC in ASMR between 1990 and 2021
Grenada	0.01 (0.01, 0.01)	0.03 (0.02, 0.04)	0.00 (0.00, 0.01)	0.01 (0.01, 0.02)	-3.17 (-4.17, -2.16)
Guam	0.00 (0.00, 0.00)	0.00 (0.00, 0.00)	0.00 (0.00, 0.00)	0.00 (0.00, 0.00)	1.49 (0.97, 2.02)
Guatemala	0.41 (0.33, 0.50)	0.01 (0.01, 0.02)	0.37 (0.30, 0.46)	0.01 (0.00, 0.01)	-4.76 (-5.59, -3.93)
Guinea	0.29 (0.12, 0.51)	0.01 (0.01, 0.02)	0.60 (0.25, 1.10)	0.01 (0.00, 0.02)	-0.51 (-0.72, -0.29)
Guinea-Bissau	0.08 (0.03, 0.15)	0.02 (0.01, 0.04)	0.14 (0.06, 0.26)	0.02 (0.01, 0.03)	-0.68 (-1.02, -0.33)
Guyana	0.00 (0.00, 0.00)	0.00 (0.00, 0.00)	0.02 (0.01, 0.02)	0.01 (0.00, 0.01)	3.98 (2.08, 5.91)
Haiti	0.20 (0.05, 0.41)	0.01 (0.00, 0.02)	0.32 (0.09, 0.69)	0.01 (0.00, 0.01)	-0.89 (-1.12, -0.67)
Honduras	0.26 (0.17, 0.39)	0.02 (0.01, 0.02)	0.22 (0.11, 0.41)	0.01 (0.00, 0.01)	-4.33 (-4.68, -3.97)
Hungary	0.47 (0.37, 0.60)	0.01 (0.01, 0.02)	0.04 (0.03, 0.06)	0.00 (0.00, 0.00)	-7.41 (-7.78, -7.03)
Iceland	0.00 (0.00, 0.00)	0.00 (0.00, 0.00)	0.00 (0.00, 0.00)	0.00 (0.00, 0.00)	-1.97 (-2.31, -1.63)
India	7.49 (3.00, 11.18)	0.00 (0.00, 0.00)	8.89 (4.79, 13.13)	0.00 (0.00, 0.00)	-1.38 (-1.69, -1.08)
Indonesia	1.28 (0.84, 1.70)	0.00 (0.00, 0.00)	1.69 (1.13, 2.47)	0.00 (0.00, 0.00)	-0.26 (-0.39, -0.12)
Iran (Islamic Republic of)	0.53 (0.37, 0.70)	0.00 (0.00, 0.00)	2.60 (1.89, 3.11)	0.01 (0.01, 0.01)	5.61 (4.73, 6.50)
Iraq	2.01 (1.18, 2.95)	0.03 (0.02, 0.04)	3.14 (1.70, 5.44)	0.02 (0.01, 0.03)	-1.51 (-1.80, -1.22)
Ireland	0.01 (0.01, 0.01)	0.00 (0.00, 0.00)	0.00 (0.00, 0.00)	0.00 (0.00, 0.00)	-2.94 (-3.29, -2.59)
Israel	0.01 (0.01, 0.01)	0.00 (0.00, 0.00)	0.01 (0.00, 0.01)	0.00 (0.00, 0.00)	-1.46 (-1.95, -0.98)
Italy	0.96 (0.88, 1.05)	0.00 (0.00, 0.00)	0.14 (0.12, 0.15)	0.00 (0.00, 0.00)	-5.73 (-6.07, -5.39)
Jamaica	0.19 (0.14, 0.26)	0.02 (0.01, 0.03)	0.14 (0.09, 0.20)	0.01 (0.01, 0.02)	-3.69 (-4.94, -2.42)
Japan	0.96 (0.90, 1.02)	0.00 (0.00, 0.00)	0.28 (0.26, 0.30)	0.00 (0.00, 0.00)	-3.28 (-3.68, -2.87)
Jordan	0.04 (0.02, 0.10)	0.00 (0.00, 0.01)	0.22 (0.12, 0.42)	0.00 (0.00, 0.01)	1.57 (1.16, 1.99)
Kazakhstan	2.96 (1.90, 4.20)	0.04 (0.03, 0.06)	1.50 (1.02, 2.08)	0.02 (0.01, 0.03)	-3.60 (-4.52, -2.68)
Kenya	0.60 (0.30, 1.16)	0.01 (0.00, 0.01)	1.59 (0.70, 3.88)	0.01 (0.00, 0.02)	0.30 (0.07, 0.53)
Kiribati	0.00 (0.00, 0.00)	0.00 (0.00, 0.00)	0.00 (0.00, 0.00)	0.00 (0.00, 0.00)	0.23 (-0.21, 0.68)
Kuwait	0.01 (0.01, 0.01)	0.00 (0.00, 0.00)	0.02 (0.01, 0.02)	0.00 (0.00, 0.00)	0.07 (-1.03, 1.18)
Kyrgyzstan	0.09 (0.04, 0.16)	0.00 (0.00, 0.01)	0.13 (0.07, 0.24)	0.00 (0.00, 0.01)	0.41 (-0.19, 1.01)
Lao People's Democratic Republic	0.02 (0.01, 0.04)	0.00 (0.00, 0.00)	0.05 (0.02, 0.08)	0.00 (0.00, 0.00)	-0.44 (-0.56, -0.31)
Latvia	0.01 (0.01, 0.01)	0.00 (0.00, 0.00)	0.01 (0.00, 0.01)	0.00 (0.00, 0.00)	-0.20 (-1.88, 1.51)
Lebanon	0.43 (0.25, 0.66)	0.04 (0.02, 0.06)	0.55 (0.37, 0.81)	0.02 (0.02, 0.03)	-1.39 (-1.57, -1.21)
Lesotho	0.14 (0.04, 0.32)	0.03 (0.01, 0.06)	0.30 (0.10, 0.58)	0.04 (0.01, 0.07)	1.79 (1.35, 2.22)
Liberia	0.13 (0.05, 0.23)	0.01 (0.01, 0.02)	0.27 (0.09, 0.64)	0.01 (0.00, 0.03)	-0.20 (-0.60, 0.21)
Libya	0.04 (0.02, 0.08)	0.00 (0.00, 0.00)	0.21 (0.11, 0.41)	0.01 (0.00, 0.01)	4.87 (4.49, 5.24)
Lithuania	0.01 (0.01, 0.01)	0.00 (0.00, 0.00)	0.01 (0.00, 0.01)	0.00 (0.00, 0.00)	1.13 (-0.96, 3.26)
Luxembourg	0.00 (0.00, 0.00)	0.00 (0.00, 0.00)	0.00 (0.00, 0.00)	0.00 (0.00, 0.00)	-4.18 (-4.58, -3.77)
Madagascar	1.23 (0.66, 1.99)	0.03 (0.01, 0.04)	2.74 (1.32, 5.46)	0.02 (0.01, 0.05)	-0.69 (-0.79, -0.58)
Malawi	0.27 (0.12, 0.51)	0.01 (0.00, 0.01)	0.70 (0.32, 1.44)	0.01 (0.00, 0.02)	0.42 (0.20, 0.64)

location	Number in 1990 (95% UI)	Rate in 1990 (95% UI)	Number in 2021 (95% UI)	Rate in 2021 (95% UI)	EAPC in ASMR between 1990 and 2021
Malaysia	0.02 (0.01, 0.03)	0.00 (0.00, 0.00)	0.07 (0.04, 0.10)	0.00 (0.00, 0.00)	2.29 (1.58, 3.01)
Maldives	0.02 (0.01, 0.03)	0.02 (0.01, 0.03)	0.02 (0.01, 0.03)	0.01 (0.00, 0.01)	-3.77 (-4.04, -3.49)
Mali	0.68 (0.25, 1.29)	0.02 (0.01, 0.04)	1.64 (0.62, 3.37)	0.02 (0.01, 0.04)	-0.70 (-0.81, -0.60)
Malta	0.00 (0.00, 0.00)	0.00 (0.00, 0.00)	0.00 (0.00, 0.00)	0.00 (0.00, 0.00)	-2.81 (-3.13, -2.48)
Marshall Islands	0.00 (0.00, 0.00)	0.00 (0.00, 0.00)	0.00 (0.00, 0.00)	0.00 (0.00, 0.00)	0.31 (-0.07, 0.69)
Mauritania	0.11 (0.05, 0.18)	0.01 (0.01, 0.02)	0.11 (0.05, 0.20)	0.01 (0.00, 0.01)	-2.35 (-2.67, -2.02)
Mauritius	0.00 (0.00, 0.00)	0.00 (0.00, 0.00)	0.01 (0.00, 0.01)	0.00 (0.00, 0.00)	4.75 (3.01, 6.52)
Mexico	6.85 (6.42, 7.35)	0.02 (0.02, 0.02)	4.19 (3.69, 4.72)	0.01 (0.01, 0.01)	-3.46 (-3.82, -3.09)
Micronesia (Federated States of)	0.00 (0.00, 0.00)	0.00 (0.00, 0.00)	0.00 (0.00, 0.00)	0.00 (0.00, 0.00)	-1.07 (-1.22, -0.92)
Monaco	0.00 (0.00, 0.00)	0.00 (0.00, 0.00)	0.00 (0.00, 0.00)	0.00 (0.00, 0.00)	-1.73 (-2.29, -1.17)
Mongolia	0.10 (0.06, 0.17)	0.01 (0.01, 0.02)	0.19 (0.12, 0.29)	0.02 (0.01, 0.02)	0.49 (0.08, 0.90)
Montenegro	0.01 (0.00, 0.02)	0.00 (0.00, 0.01)	0.00 (0.00, 0.01)	0.00 (0.00, 0.00)	-2.20 (-3.20, -1.18)
Morocco	0.25 (0.09, 0.71)	0.00 (0.00, 0.01)	0.61 (0.30, 1.33)	0.00 (0.00, 0.01)	2.09 (1.70, 2.48)
Mozambique	0.30 (0.13, 0.60)	0.01 (0.00, 0.01)	1.04 (0.45, 2.24)	0.01 (0.00, 0.02)	1.50 (1.31, 1.69)
Myanmar	0.42 (0.21, 0.72)	0.00 (0.00, 0.00)	0.33 (0.20, 0.55)	0.00 (0.00, 0.00)	-2.14 (-2.36, -1.93)
Namibia	0.10 (0.05, 0.20)	0.02 (0.01, 0.04)	0.15 (0.06, 0.29)	0.01 (0.01, 0.03)	-1.23 (-1.65, -0.81)
Nauru	0.00 (0.00, 0.00)	0.00 (0.00, 0.00)	0.00 (0.00, 0.00)	0.00 (0.00, 0.00)	0.36 (-0.22, 0.95)
Nepal	0.16 (0.04, 0.27)	0.00 (0.00, 0.00)	0.19 (0.08, 0.33)	0.00 (0.00, 0.00)	-1.53 (-1.68, -1.37)
Netherlands	0.13 (0.10, 0.16)	0.00 (0.00, 0.00)	0.03 (0.03, 0.04)	0.00 (0.00, 0.00)	-4.17 (-4.47, -3.86)
New Zealand	0.00 (0.00, 0.00)	0.00 (0.00, 0.00)	0.01 (0.00, 0.01)	0.00 (0.00, 0.00)	14.64 (11.66, 17.70)
Nicaragua	0.07 (0.05, 0.09)	0.00 (0.00, 0.01)	0.10 (0.07, 0.15)	0.00 (0.00, 0.01)	-1.17 (-1.39, -0.95)
Niger	0.35 (0.14, 0.70)	0.01 (0.00, 0.03)	0.68 (0.26, 1.53)	0.01 (0.00, 0.02)	-1.50 (-1.73, -1.27)
Nigeria	2.02 (0.90, 3.48)	0.01 (0.00, 0.01)	3.88 (1.43, 6.96)	0.00 (0.00, 0.01)	-1.27 (-1.40, -1.15)
Niue	0.00 (0.00, 0.00)	0.00 (0.00, 0.00)	0.00 (0.00, 0.00)	0.00 (0.00, 0.00)	-0.42 (-0.78, -0.06)
North Macedonia	0.02 (0.01, 0.03)	0.00 (0.00, 0.00)	0.01 (0.00, 0.01)	0.00 (0.00, 0.00)	-3.69 (-4.12, -3.26)
Northern Mariana Islands	0.00 (0.00, 0.00)	0.00 (0.00, 0.00)	0.00 (0.00, 0.00)	0.00 (0.00, 0.00)	3.12 (2.44, 3.80)
Norway	0.00 (0.00, 0.00)	0.00 (0.00, 0.00)	0.00 (0.00, 0.00)	0.00 (0.00, 0.00)	4.20 (2.23, 6.20)
Oman	0.00 (0.00, 0.01)	0.00 (0.00, 0.00)	0.01 (0.00, 0.02)	0.00 (0.00, 0.00)	-0.01 (-0.53, 0.51)
Pakistan	0.72 (0.23, 1.16)	0.00 (0.00, 0.00)	1.36 (0.74, 2.10)	0.00 (0.00, 0.00)	-1.21 (-1.42, -1.01)
Palau	0.00 (0.00, 0.00)	0.00 (0.00, 0.00)	0.00 (0.00, 0.00)	0.00 (0.00, 0.00)	-0.52 (-0.81, -0.24)
Palestine	0.13 (0.08, 0.20)	0.02 (0.01, 0.03)	0.27 (0.17, 0.44)	0.01 (0.01, 0.02)	-0.72 (-0.97, -0.47)
Panama	0.02 (0.01, 0.02)	0.00 (0.00, 0.00)	0.02 (0.01, 0.02)	0.00 (0.00, 0.00)	-2.31 (-2.57, -2.05)
Papua New Guinea	0.00 (0.00, 0.01)	0.00 (0.00, 0.00)	0.01 (0.00, 0.02)	0.00 (0.00, 0.00)	0.68 (0.49, 0.87)
Paraguay	0.43 (0.29, 0.61)	0.03 (0.02, 0.04)	0.90 (0.59, 1.31)	0.03 (0.02, 0.04)	-0.01 (-0.38, 0.35)
Peru	2.94 (1.92, 4.29)	0.03 (0.02, 0.05)	3.02 (1.86, 4.59)	0.02 (0.01, 0.03)	-1.37 (-1.75, -1.00)

location	Number in 1990 (95% UI)	Rate in 1990 (95% UI)	Number in 2021 (95% UI)	Rate in 2021 (95% UI)	EAPC in ASMR between 1990 and 2021
Philippines	0.37 (0.29, 0.45)	0.00 (0.00, 0.00)	0.39 (0.31, 0.53)	0.00 (0.00, 0.00)	-1.74 (-2.12, -1.36)
Poland	0.86 (0.75, 0.99)	0.01 (0.01, 0.01)	0.15 (0.13, 0.18)	0.00 (0.00, 0.00)	-6.56 (-7.29, -5.82)
Portugal	0.36 (0.31, 0.43)	0.01 (0.01, 0.01)	0.08 (0.07, 0.10)	0.00 (0.00, 0.00)	-4.07 (-4.55, -3.58)
Puerto Rico	0.08 (0.06, 0.10)	0.01 (0.00, 0.01)	0.03 (0.02, 0.04)	0.00 (0.00, 0.00)	-4.69 (-5.83, -3.53)
Qatar	0.01 (0.01, 0.03)	0.01 (0.00, 0.01)	0.07 (0.03, 0.13)	0.00 (0.00, 0.01)	-1.57 (-2.00, -1.14)
Republic of Korea	1.01 (0.60, 1.55)	0.00 (0.00, 0.01)	0.30 (0.20, 0.45)	0.00 (0.00, 0.00)	-3.78 (-4.08, -3.49)
Republic of Moldova	0.00 (0.00, 0.00)	0.00 (0.00, 0.00)	0.00 (0.00, 0.00)	0.00 (0.00, 0.00)	-0.17 (-1.81, 1.50)
Romania	0.85 (0.64, 1.11)	0.01 (0.01, 0.01)	0.11 (0.08, 0.15)	0.00 (0.00, 0.00)	-5.57 (-5.92, -5.22)
Russian Federation	0.92 (0.87, 0.98)	0.00 (0.00, 0.00)	1.63 (1.48, 1.82)	0.00 (0.00, 0.00)	2.23 (0.21, 4.28)
Rwanda	0.49 (0.21, 0.91)	0.02 (0.01, 0.03)	0.47 (0.20, 0.98)	0.01 (0.00, 0.02)	-3.75 (-4.40, -3.10)
Saint Kitts and Nevis	0.00 (0.00, 0.00)	0.01 (0.00, 0.01)	0.00 (0.00, 0.00)	0.00 (0.00, 0.00)	-4.02 (-5.19, -2.84)
Saint Lucia	0.00 (0.00, 0.01)	0.01 (0.01, 0.01)	0.00 (0.00, 0.00)	0.00 (0.00, 0.00)	-5.57 (-6.31, -4.83)
Saint Vincent and the Grenadines	0.00 (0.00, 0.00)	0.00 (0.00, 0.00)	0.00 (0.00, 0.00)	0.00 (0.00, 0.00)	-0.45 (-4.03, 3.26)
Samoa	0.00 (0.00, 0.00)	0.00 (0.00, 0.00)	0.00 (0.00, 0.00)	0.00 (0.00, 0.00)	0.23 (0.08, 0.38)
San Marino	0.00 (0.00, 0.00)	0.01 (0.00, 0.01)	0.00 (0.00, 0.00)	0.00 (0.00, 0.01)	-1.84 (-2.48, -1.19)
Sao Tome and Principe	0.01 (0.00, 0.02)	0.02 (0.01, 0.05)	0.02 (0.01, 0.05)	0.02 (0.01, 0.05)	-0.68 (-1.09, -0.27)
Saudi Arabia	0.06 (0.04, 0.11)	0.00 (0.00, 0.00)	0.48 (0.26, 0.83)	0.00 (0.00, 0.00)	4.95 (4.07, 5.84)
Senegal	0.42 (0.17, 0.71)	0.02 (0.01, 0.03)	0.60 (0.26, 1.14)	0.01 (0.00, 0.02)	-1.23 (-1.59, -0.86)
Serbia	0.04 (0.03, 0.06)	0.00 (0.00, 0.00)	0.01 (0.01, 0.02)	0.00 (0.00, 0.00)	-3.78 (-4.07, -3.49)
Seychelles	0.00 (0.00, 0.00)	0.00 (0.00, 0.00)	0.00 (0.00, 0.00)	0.00 (0.00, 0.00)	-1.63 (-1.94, -1.32)
Sierra Leone	0.23 (0.08, 0.42)	0.01 (0.01, 0.03)	0.41 (0.14, 0.89)	0.01 (0.00, 0.02)	-0.74 (-1.02, -0.47)
Singapore	0.01 (0.00, 0.01)	0.00 (0.00, 0.00)	0.00 (0.00, 0.00)	0.00 (0.00, 0.00)	-4.54 (-4.79, -4.30)
Slovakia	0.11 (0.07, 0.16)	0.01 (0.00, 0.01)	0.02 (0.02, 0.04)	0.00 (0.00, 0.00)	-4.39 (-4.59, -4.18)
Slovenia	0.06 (0.05, 0.07)	0.01 (0.01, 0.01)	0.00 (0.00, 0.01)	0.00 (0.00, 0.00)	-7.94 (-8.25, -7.64)
Solomon Islands	0.00 (0.00, 0.00)	0.00 (0.00, 0.00)	0.00 (0.00, 0.00)	0.00 (0.00, 0.00)	0.20 (0.08, 0.31)
Somalia	0.55 (0.20, 1.23)	0.02 (0.01, 0.04)	1.11 (0.33, 2.71)	0.01 (0.00, 0.03)	-1.05 (-1.40, -0.70)
South Africa	6.37 (4.27, 8.92)	0.04 (0.03, 0.06)	5.25 (4.20, 6.87)	0.02 (0.02, 0.03)	-2.75 (-3.46, -2.04)
South Sudan	0.22 (0.10, 0.40)	0.01 (0.00, 0.02)	0.33 (0.13, 0.66)	0.01 (0.00, 0.02)	-0.50 (-1.03, 0.02)
Spain	0.58 (0.49, 0.69)	0.00 (0.00, 0.00)	0.13 (0.11, 0.16)	0.00 (0.00, 0.00)	-4.38 (-4.72, -4.05)
Sri Lanka	0.27 (0.19, 0.38)	0.00 (0.00, 0.01)	0.09 (0.05, 0.14)	0.00 (0.00, 0.00)	-5.39 (-6.14, -4.63)
Sudan	0.26 (0.07, 0.63)	0.00 (0.00, 0.01)	1.14 (0.51, 2.24)	0.01 (0.00, 0.01)	2.40 (2.08, 2.73)
Suriname	0.04 (0.02, 0.06)	0.02 (0.01, 0.04)	0.04 (0.02, 0.05)	0.02 (0.01, 0.02)	-2.11 (-2.45, -1.76)
Sweden	0.01 (0.01, 0.01)	0.00 (0.00, 0.00)	0.01 (0.00, 0.01)	0.00 (0.00, 0.00)	-1.21 (-1.77, -0.65)
Switzerland	0.04 (0.03, 0.05)	0.00 (0.00, 0.00)	0.01 (0.01, 0.02)	0.00 (0.00, 0.00)	-4.41 (-4.70, -4.13)
Syrian Arab Republic	0.12 (0.06, 0.31)	0.00 (0.00, 0.01)	0.34 (0.16, 0.77)	0.01 (0.00, 0.02)	4.22 (3.82, 4.63)

location	Number in 1990 (95% UI)	Rate in 1990 (95% UI)	Number in 2021 (95% UI)	Rate in 2021 (95% UI)	EAPC in ASMR between 1990 and 2021
Taiwan (Province of China)	3.65 (2.93, 4.44)	0.04 (0.03, 0.05)	2.53 (2.03, 3.08)	0.03 (0.03, 0.04)	-1.11 (-1.79, -0.42)
Tajikistan	0.01 (0.01, 0.03)	0.00 (0.00, 0.00)	0.04 (0.01, 0.08)	0.00 (0.00, 0.00)	-0.39 (-0.89, 0.12)
Thailand	0.43 (0.26, 0.67)	0.00 (0.00, 0.00)	0.51 (0.31, 0.81)	0.00 (0.00, 0.00)	0.29 (-0.38, 0.97)
Timor-Leste	0.00 (0.00, 0.01)	0.00 (0.00, 0.00)	0.01 (0.00, 0.01)	0.00 (0.00, 0.00)	0.55 (-0.08, 1.19)
Togo	0.23 (0.08, 0.46)	0.02 (0.01, 0.03)	0.45 (0.16, 0.90)	0.01 (0.00, 0.03)	-0.57 (-0.75, -0.39)
Tokelau	0.00 (0.00, 0.00)	0.00 (0.00, 0.00)	0.00 (0.00, 0.00)	0.00 (0.00, 0.00)	-0.17 (-0.71, 0.39)
Tonga	0.00 (0.00, 0.00)	0.00 (0.00, 0.00)	0.00 (0.00, 0.00)	0.00 (0.00, 0.00)	1.50 (1.21, 1.79)
Trinidad and Tobago	0.01 (0.01, 0.02)	0.00 (0.00, 0.00)	0.01 (0.01, 0.02)	0.00 (0.00, 0.00)	-0.77 (-1.47, -0.08)
Tunisia	0.07 (0.03, 0.19)	0.00 (0.00, 0.01)	0.20 (0.11, 0.39)	0.00 (0.00, 0.01)	2.92 (2.66, 3.19)
Turkey	7.49 (4.71, 12.05)	0.03 (0.02, 0.05)	4.23 (2.92, 5.87)	0.01 (0.01, 0.02)	-2.57 (-2.85, -2.28)
Turkmenistan	0.09 (0.06, 0.12)	0.01 (0.00, 0.01)	0.10 (0.07, 0.16)	0.00 (0.00, 0.01)	-1.31 (-1.95, -0.66)
Tuvalu	0.00 (0.00, 0.00)	0.00 (0.00, 0.00)	0.00 (0.00, 0.00)	0.00 (0.00, 0.00)	-0.85 (-1.07, -0.63)
Uganda	0.63 (0.26, 1.16)	0.01 (0.00, 0.02)	1.36 (0.57, 2.71)	0.01 (0.00, 0.02)	-1.65 (-1.96, -1.34)
Ukraine	2.69 (2.02, 3.48)	0.01 (0.01, 0.02)	0.39 (0.26, 0.57)	0.00 (0.00, 0.00)	-7.49 (-8.54, -6.42)
United Arab Emirates	0.04 (0.02, 0.08)	0.00 (0.00, 0.01)	0.23 (0.12, 0.38)	0.01 (0.00, 0.01)	1.34 (1.02, 1.66)
United Kingdom	0.24 (0.23, 0.26)	0.00 (0.00, 0.00)	0.16 (0.15, 0.17)	0.00 (0.00, 0.00)	-0.79 (-1.37, -0.20)
United Republic of Tanzania	0.69 (0.33, 1.25)	0.01 (0.00, 0.01)	1.29 (0.60, 2.51)	0.01 (0.00, 0.01)	-1.06 (-1.23, -0.89)
United States of America	4.17 (3.92, 4.45)	0.00 (0.00, 0.00)	1.88 (1.73, 2.02)	0.00 (0.00, 0.00)	-2.86 (-3.08, -2.63)
United States Virgin Islands	0.00 (0.00, 0.01)	0.01 (0.01, 0.02)	0.00 (0.00, 0.00)	0.01 (0.00, 0.01)	-2.28 (-3.08, -1.46)
Uruguay	0.02 (0.02, 0.03)	0.00 (0.00, 0.00)	0.02 (0.02, 0.02)	0.00 (0.00, 0.00)	-1.33 (-1.61, -1.05)
Uzbekistan	0.62 (0.35, 1.00)	0.01 (0.00, 0.01)	0.56 (0.32, 0.87)	0.00 (0.00, 0.01)	-3.66 (-4.66, -2.64)
Vanuatu	0.00 (0.00, 0.00)	0.00 (0.00, 0.00)	0.00 (0.00, 0.00)	0.00 (0.00, 0.00)	-1.53 (-1.79, -1.26)
Venezuela (Bolivarian Republic of)	0.37 (0.30, 0.44)	0.00 (0.00, 0.01)	0.27 (0.19, 0.36)	0.00 (0.00, 0.00)	-1.96 (-2.27, -1.64)
Viet Nam	0.25 (0.15, 0.40)	0.00 (0.00, 0.00)	0.24 (0.14, 0.40)	0.00 (0.00, 0.00)	-1.35 (-1.53, -1.18)
Yemen	0.09 (0.04, 0.16)	0.00 (0.00, 0.00)	0.62 (0.33, 1.03)	0.00 (0.00, 0.01)	3.48 (2.96, 4.00)
Zambia	0.28 (0.13, 0.49)	0.01 (0.00, 0.02)	0.79 (0.33, 1.55)	0.01 (0.00, 0.02)	-0.23 (-0.44, -0.01)
Zimbabwe	0.09 (0.05, 0.14)	0.00 (0.00, 0.00)	0.33 (0.19, 0.55)	0.01 (0.00, 0.01)	2.86 (2.07, 3.65)

**Abbreviation:** EAPC, estimated annual percentage change; ASMR, age-standardized rates for mortality; UI, uncertainty interval; SDI, socio-demographic index; GBD, global burden of disease.

**Supplementary Table SXIV. Interstitial lung disease and pulmonary sarcoidosis mortality in 1990 and 2021 in adolescents and young adults and EAPC in ASMR by location**

location	Number in 1990 (95% UI)	Rate in 1990 (95% UI)	Number in 2021 (95% UI)	Rate in 2021 (95% UI)	EAPC in ASMR between 1990 and 2021
Global	2121.36 (1610.07, 2739.66)	0.10 (0.07, 0.12)	3518.76 (2858.24, 4111.76)	0.12 (0.10, 0.14)	0.61 (0.55, 0.67)
SDI regions					
High SDI	464.74 (449.73, 482.30)	0.13 (0.13, 0.14)	594.00 (542.77, 650.21)	0.17 (0.15, 0.18)	0.91 (0.82, 0.99)
High-middle SDI	333.16 (296.16, 383.76)	0.07 (0.07, 0.08)	323.68 (280.36, 379.75)	0.07 (0.06, 0.09)	-0.09 (-0.21, 0.03)
Middle SDI	551.42 (432.95, 767.92)	0.07 (0.06, 0.10)	974.60 (842.62, 1207.18)	0.11 (0.09, 0.13)	1.06 (0.96, 1.15)
Low-middle SDI	554.24 (287.89, 882.26)	0.12 (0.06, 0.19)	1103.44 (772.47, 1441.85)	0.14 (0.10, 0.18)	0.30 (0.14, 0.46)
Low SDI	214.94 (86.20, 352.54)	0.12 (0.05, 0.19)	518.90 (293.44, 776.45)	0.12 (0.07, 0.17)	-0.10 (-0.16, -0.04)
GBD regions					
Central Asia	64.67 (56.55, 74.66)	0.23 (0.20, 0.26)	50.54 (38.66, 69.35)	0.14 (0.10, 0.19)	-2.71 (-3.26, -2.15)
East Asia	165.71 (118.29, 263.15)	0.03 (0.02, 0.05)	138.68 (95.00, 200.39)	0.03 (0.02, 0.04)	-0.09 (-0.20, 0.02)
South Asia	650.44 (279.98, 1078.45)	0.15 (0.06, 0.25)	1288.91 (836.08, 1752.20)	0.16 (0.11, 0.22)	0.15 (-0.05, 0.35)
Southeast Asia	58.08 (24.13, 148.99)	0.03 (0.01, 0.08)	106.69 (49.24, 233.67)	0.04 (0.02, 0.08)	0.94 (0.88, 1.00)
High-income Asia Pacific	53.65 (48.91, 60.71)	0.08 (0.07, 0.09)	45.95 (42.72, 49.83)	0.09 (0.08, 0.10)	0.40 (0.07, 0.73)
Oceania	17.12 (11.56, 25.63)	0.64 (0.44, 0.96)	41.10 (25.36, 67.71)	0.73 (0.45, 1.20)	0.34 (0.21, 0.48)
Australasia	2.80 (2.60, 3.02)	0.03 (0.03, 0.04)	13.53 (12.36, 14.61)	0.13 (0.12, 0.14)	4.24 (3.26, 5.24)
Central Europe	68.78 (63.57, 74.97)	0.15 (0.14, 0.16)	39.56 (35.77, 43.30)	0.11 (0.10, 0.12)	-0.42 (-0.72, -0.11)
Eastern Europe	99.68 (87.50, 111.17)	0.12 (0.10, 0.13)	35.08 (30.62, 39.37)	0.05 (0.05, 0.06)	-3.95 (-4.70, -3.19)
Western Europe	81.15 (77.08, 85.48)	0.06 (0.05, 0.06)	173.75 (169.69, 178.09)	0.13 (0.13, 0.14)	3.65 (2.95, 4.35)
Andean Latin America	70.98 (49.37, 104.74)	0.46 (0.32, 0.68)	125.87 (96.82, 162.86)	0.46 (0.36, 0.60)	0.58 (0.35, 0.81)
Central Latin America	95.14 (90.20, 101.35)	0.14 (0.13, 0.15)	281.56 (254.31, 311.35)	0.28 (0.25, 0.31)	2.37 (2.11, 2.62)
High-income North America	289.40 (283.32, 296.14)	0.26 (0.25, 0.26)	271.76 (257.89, 284.36)	0.22 (0.21, 0.23)	-0.66 (-0.80, -0.52)
Southern Latin America	39.09 (36.42, 41.85)	0.20 (0.19, 0.22)	63.33 (59.56, 68.04)	0.25 (0.23, 0.26)	0.76 (0.47, 1.04)
Tropical Latin America	101.33 (97.25, 105.44)	0.16 (0.15, 0.16)	186.59 (178.43, 194.86)	0.21 (0.20, 0.22)	0.26 (-0.11, 0.63)
Caribbean	12.83 (9.11, 18.36)	0.09 (0.06, 0.12)	32.28 (22.89, 48.07)	0.18 (0.13, 0.26)	2.70 (2.53, 2.88)
Central Sub-Saharan Africa	16.79 (5.08, 33.87)	0.08 (0.02, 0.16)	48.87 (18.85, 100.86)	0.09 (0.03, 0.19)	0.29 (0.10, 0.48)
Eastern Sub-Saharan Africa	58.37 (16.99, 103.98)	0.08 (0.02, 0.15)	156.67 (61.04, 312.60)	0.09 (0.03, 0.18)	0.12 (0.01, 0.24)
North Africa and Middle East	65.14 (40.24, 105.23)	0.05 (0.03, 0.08)	192.86 (138.63, 267.98)	0.08 (0.05, 0.11)	2.16 (1.82, 2.50)
Southern Sub-Saharan Africa	34.25 (17.62, 48.04)	0.16 (0.08, 0.22)	37.71 (25.41, 52.05)	0.11 (0.07, 0.15)	-1.44 (-2.05, -0.83)
Western Sub-Saharan Africa	75.95 (23.27, 122.23)	0.11 (0.03, 0.17)	187.48 (72.90, 322.32)	0.10 (0.04, 0.17)	-0.15 (-0.33, 0.03)
Countries					
Afghanistan	0.14 (0.00, 0.70)	0.00 (0.00, 0.02)	2.13 (0.20, 9.01)	0.02 (0.00, 0.07)	5.97 (5.26, 6.69)
Albania	1.26 (0.74, 2.03)	0.09 (0.05, 0.14)	0.66 (0.29, 1.43)	0.07 (0.03, 0.15)	-1.17 (-1.67, -0.66)

location	Number in 1990 (95% UI)	Rate in 1990 (95% UI)	Number in 2021 (95% UI)	Rate in 2021 (95% UI)	EAPC in ASMR between 1990 and 2021
Algeria	0.41 (0.01, 1.48)	0.00 (0.00, 0.01)	3.37 (0.34, 10.80)	0.02 (0.00, 0.06)	6.25 (5.82, 6.67)
American Samoa	0.11 (0.06, 0.15)	0.53 (0.29, 0.75)	0.07 (0.04, 0.11)	0.39 (0.24, 0.65)	-1.14 (-1.35, -0.93)
Andorra	0.02 (0.02, 0.04)	0.10 (0.06, 0.15)	0.03 (0.01, 0.05)	0.11 (0.05, 0.19)	0.76 (0.31, 1.21)
Angola	3.01 (0.82, 6.19)	0.08 (0.02, 0.16)	8.61 (3.07, 16.54)	0.07 (0.03, 0.14)	-0.16 (-0.33, 0.01)
Antigua and Barbuda	0.01 (0.01, 0.01)	0.03 (0.02, 0.03)	0.02 (0.02, 0.02)	0.06 (0.05, 0.07)	3.62 (3.07, 4.18)
Argentina	28.15 (25.70, 30.71)	0.23 (0.21, 0.25)	35.84 (32.65, 39.57)	0.20 (0.19, 0.23)	0.08 (-0.27, 0.42)
Armenia	5.64 (4.50, 6.56)	0.39 (0.31, 0.46)	1.55 (1.38, 1.73)	0.14 (0.13, 0.16)	-2.60 (-3.64, -1.55)
Australia	2.26 (2.07, 2.46)	0.03 (0.03, 0.04)	11.60 (10.51, 12.61)	0.13 (0.12, 0.15)	4.57 (3.51, 5.64)
Austria	0.55 (0.50, 0.60)	0.02 (0.02, 0.02)	1.81 (1.64, 1.98)	0.06 (0.06, 0.07)	4.86 (4.14, 5.59)
Azerbaijan	7.58 (4.19, 11.66)	0.24 (0.13, 0.37)	6.72 (3.14, 13.39)	0.16 (0.07, 0.32)	-2.48 (-2.92, -2.05)
Bahamas	0.20 (0.17, 0.22)	0.17 (0.14, 0.19)	0.68 (0.52, 0.85)	0.44 (0.33, 0.55)	3.33 (3.00, 3.66)
Bahrain	0.30 (0.19, 0.55)	0.12 (0.07, 0.21)	1.21 (0.72, 1.75)	0.17 (0.10, 0.25)	1.49 (1.29, 1.68)
Bangladesh	73.22 (32.32, 123.37)	0.17 (0.08, 0.29)	126.75 (77.94, 209.27)	0.18 (0.11, 0.30)	0.24 (0.14, 0.35)
Barbados	0.09 (0.08, 0.10)	0.08 (0.07, 0.09)	0.17 (0.13, 0.22)	0.17 (0.13, 0.22)	3.03 (2.65, 3.41)
Belarus	4.11 (2.97, 5.45)	0.10 (0.08, 0.14)	1.09 (0.88, 1.33)	0.04 (0.03, 0.05)	-4.42 (-4.73, -4.10)
Belgium	1.96 (1.74, 2.23)	0.05 (0.05, 0.06)	4.89 (4.38, 5.49)	0.14 (0.12, 0.16)	3.82 (3.13, 4.51)
Belize	0.19 (0.13, 0.24)	0.26 (0.18, 0.33)	1.43 (1.23, 1.68)	0.76 (0.65, 0.89)	4.13 (3.64, 4.62)
Benin	2.26 (0.66, 4.24)	0.13 (0.04, 0.25)	5.65 (1.96, 11.43)	0.11 (0.04, 0.22)	-0.72 (-1.02, -0.41)
Bermuda	0.06 (0.05, 0.07)	0.23 (0.18, 0.27)	0.06 (0.05, 0.08)	0.37 (0.30, 0.46)	1.64 (1.31, 1.98)
Bhutan	0.35 (0.16, 0.63)	0.13 (0.06, 0.23)	0.47 (0.24, 0.81)	0.14 (0.07, 0.23)	-0.27 (-0.40, -0.14)
Bolivia (Plurinational State of)	10.67 (5.14, 20.49)	0.43 (0.21, 0.83)	18.46 (11.48, 29.07)	0.38 (0.23, 0.59)	-0.59 (-0.73, -0.44)
Bosnia and Herzegovina	1.96 (1.21, 2.96)	0.10 (0.06, 0.16)	0.62 (0.35, 1.05)	0.06 (0.03, 0.10)	-2.11 (-2.38, -1.84)
Botswana	0.47 (0.09, 1.32)	0.09 (0.02, 0.26)	0.75 (0.13, 2.04)	0.07 (0.01, 0.19)	-0.65 (-1.09, -0.20)
Brazil	99.97 (95.91, 104.16)	0.16 (0.15, 0.17)	183.10 (175.32, 190.86)	0.21 (0.21, 0.22)	0.26 (-0.12, 0.64)
Brunei Darussalam	0.14 (0.08, 0.22)	0.11 (0.07, 0.18)	0.19 (0.13, 0.29)	0.09 (0.07, 0.14)	-0.73 (-0.92, -0.53)
Bulgaria	1.62 (1.40, 1.83)	0.05 (0.05, 0.06)	1.46 (1.20, 1.76)	0.08 (0.06, 0.09)	1.74 (1.49, 2.00)
Burkina Faso	2.18 (0.53, 4.08)	0.07 (0.02, 0.13)	5.56 (1.90, 10.56)	0.06 (0.02, 0.12)	-0.10 (-0.30, 0.10)
Burundi	2.48 (0.59, 4.92)	0.12 (0.03, 0.24)	4.79 (1.84, 10.17)	0.09 (0.03, 0.19)	-1.30 (-1.71, -0.90)
Cabo Verde	0.37 (0.11, 0.78)	0.28 (0.09, 0.60)	0.24 (0.09, 0.55)	0.10 (0.03, 0.22)	-3.05 (-3.67, -2.43)
Cambodia	0.56 (0.09, 2.12)	0.01 (0.00, 0.05)	1.40 (0.29, 4.03)	0.02 (0.00, 0.06)	0.88 (0.80, 0.97)
Cameroon	6.74 (2.13, 11.90)	0.18 (0.06, 0.31)	18.57 (6.67, 34.70)	0.14 (0.05, 0.27)	-0.53 (-0.83, -0.23)
Canada	12.29 (11.16, 13.46)	0.11 (0.10, 0.12)	26.42 (23.85, 29.09)	0.22 (0.20, 0.25)	2.20 (1.89, 2.51)
Central African Republic	0.89 (0.21, 1.99)	0.09 (0.02, 0.19)	2.02 (0.67, 4.31)	0.09 (0.03, 0.20)	0.14 (-0.00, 0.28)
Chad	2.44 (0.66, 4.62)	0.12 (0.03, 0.22)	6.45 (2.29, 11.96)	0.10 (0.04, 0.19)	-0.10 (-0.32, 0.12)
Chile	10.00 (9.13, 10.85)	0.17 (0.16, 0.19)	25.41 (23.63, 27.32)	0.36 (0.33, 0.39)	1.98 (1.51, 2.45)

location	Number in 1990 (95% UI)	Rate in 1990 (95% UI)	Number in 2021 (95% UI)	Rate in 2021 (95% UI)	EAPC in ASMR between 1990 and 2021
China	162.38 (115.94, 258.00)	0.03 (0.02, 0.05)	132.06 (86.83, 194.04)	0.03 (0.02, 0.04)	-0.18 (-0.29, -0.06)
Colombia	9.51 (8.73, 10.35)	0.07 (0.06, 0.07)	29.16 (24.38, 35.36)	0.15 (0.12, 0.18)	2.54 (1.91, 3.17)
Comoros	0.19 (0.04, 0.40)	0.11 (0.02, 0.23)	0.28 (0.11, 0.61)	0.09 (0.03, 0.20)	-1.10 (-1.75, -0.45)
Congo	0.94 (0.25, 2.11)	0.10 (0.03, 0.22)	2.29 (0.80, 4.54)	0.10 (0.04, 0.21)	0.05 (-0.15, 0.25)
Cook Islands	0.04 (0.03, 0.07)	0.52 (0.33, 0.87)	0.02 (0.01, 0.04)	0.33 (0.15, 0.67)	-1.34 (-1.45, -1.23)
Costa Rica	2.32 (2.08, 2.56)	0.18 (0.16, 0.20)	6.81 (6.05, 7.64)	0.36 (0.32, 0.40)	2.11 (1.89, 2.34)
Coted'Ivoire	6.60 (1.96, 12.32)	0.14 (0.04, 0.26)	13.98 (4.68, 27.53)	0.12 (0.04, 0.25)	-0.03 (-0.35, 0.29)
Croatia	0.63 (0.57, 0.70)	0.03 (0.03, 0.04)	0.36 (0.30, 0.42)	0.03 (0.02, 0.03)	0.07 (-0.22, 0.37)
Cuba	1.47 (1.22, 1.74)	0.03 (0.02, 0.04)	1.54 (1.31, 1.81)	0.04 (0.04, 0.05)	1.05 (0.81, 1.29)
Cyprus	0.48 (0.28, 0.72)	0.15 (0.09, 0.23)	0.66 (0.42, 0.96)	0.13 (0.08, 0.19)	-0.74 (-1.06, -0.42)
Czechia	5.33 (4.88, 5.77)	0.14 (0.13, 0.16)	3.71 (3.19, 4.28)	0.13 (0.11, 0.14)	0.37 (-0.03, 0.77)
Democratic People's Republic of Korea	2.39 (0.97, 4.69)	0.03 (0.01, 0.06)	3.85 (1.73, 8.04)	0.04 (0.02, 0.08)	0.86 (0.80, 0.92)
Democratic Republic of the Congo	11.48 (3.43, 24.52)	0.08 (0.02, 0.17)	34.85 (13.43, 77.91)	0.10 (0.04, 0.22)	0.51 (0.25, 0.78)
Denmark	1.03 (0.92, 1.15)	0.05 (0.05, 0.06)	2.02 (1.82, 2.23)	0.11 (0.10, 0.12)	3.01 (2.42, 3.61)
Djibouti	0.12 (0.03, 0.25)	0.07 (0.02, 0.15)	0.34 (0.11, 0.83)	0.06 (0.02, 0.15)	-0.53 (-0.73, -0.33)
Dominica	0.01 (0.01, 0.02)	0.05 (0.03, 0.08)	0.03 (0.02, 0.04)	0.11 (0.06, 0.17)	3.18 (2.94, 3.41)
Dominican Republic	1.06 (0.61, 2.03)	0.03 (0.02, 0.07)	3.43 (1.68, 6.76)	0.08 (0.04, 0.15)	3.16 (2.86, 3.47)
Ecuador	6.29 (5.58, 7.01)	0.15 (0.14, 0.17)	33.01 (26.45, 40.94)	0.45 (0.36, 0.56)	4.77 (4.11, 5.42)
Egypt	7.40 (4.65, 11.27)	0.03 (0.02, 0.05)	10.39 (6.60, 16.10)	0.02 (0.02, 0.04)	-1.37 (-1.75, -0.99)
El Salvador	3.28 (2.30, 4.76)	0.16 (0.11, 0.23)	5.28 (3.34, 7.52)	0.20 (0.13, 0.29)	1.27 (0.97, 1.56)
Equatorial Guinea	0.13 (0.03, 0.30)	0.09 (0.02, 0.20)	0.56 (0.16, 1.27)	0.08 (0.02, 0.18)	-0.33 (-0.45, -0.22)
Eritrea	1.48 (0.31, 3.05)	0.11 (0.02, 0.24)	3.02 (1.07, 5.89)	0.11 (0.04, 0.21)	-0.24 (-0.38, -0.10)
Estonia	0.60 (0.47, 0.75)	0.11 (0.08, 0.13)	0.02 (0.02, 0.03)	0.01 (0.00, 0.01)	-11.23 (-13.11, -9.30)
Eswatini	0.26 (0.05, 0.72)	0.09 (0.02, 0.24)	0.52 (0.12, 1.25)	0.10 (0.02, 0.25)	0.75 (0.42, 1.08)
Ethiopia	12.03 (2.80, 21.82)	0.07 (0.02, 0.12)	27.28 (10.71, 55.05)	0.06 (0.02, 0.12)	-0.66 (-0.83, -0.50)
Fiji	0.85 (0.58, 1.26)	0.26 (0.18, 0.39)	0.95 (0.53, 1.48)	0.27 (0.15, 0.41)	0.20 (0.01, 0.40)
Finland	1.22 (0.95, 1.51)	0.07 (0.05, 0.08)	2.46 (2.25, 2.65)	0.15 (0.14, 0.16)	3.77 (3.20, 4.36)
France	11.49 (10.41, 12.77)	0.05 (0.05, 0.06)	20.60 (18.73, 22.63)	0.10 (0.09, 0.11)	2.73 (2.27, 3.19)
Gabon	0.34 (0.10, 0.66)	0.09 (0.03, 0.17)	0.54 (0.16, 1.29)	0.07 (0.02, 0.17)	-0.96 (-1.09, -0.83)
Gambia	0.53 (0.14, 1.00)	0.14 (0.04, 0.26)	1.47 (0.58, 3.12)	0.15 (0.06, 0.31)	0.02 (-0.36, 0.42)
Georgia	1.75 (1.42, 2.15)	0.08 (0.07, 0.10)	0.67 (0.58, 0.79)	0.06 (0.05, 0.07)	-0.39 (-1.72, 0.96)
Germany	17.32 (14.21, 20.49)	0.06 (0.05, 0.07)	21.39 (19.41, 23.70)	0.08 (0.08, 0.09)	2.08 (1.70, 2.46)
Ghana	8.14 (2.36, 15.11)	0.14 (0.04, 0.26)	20.62 (8.00, 37.35)	0.14 (0.06, 0.26)	0.11 (0.04, 0.18)
Greece	1.75 (1.59, 1.94)	0.05 (0.04, 0.05)	4.34 (3.93, 4.79)	0.16 (0.14, 0.17)	4.83 (4.12, 5.55)
Greenland	0.05 (0.02, 0.10)	0.18 (0.09, 0.38)	0.04 (0.02, 0.08)	0.21 (0.10, 0.41)	0.21 (0.02, 0.40)

location	Number in 1990 (95% UI)	Rate in 1990 (95% UI)	Number in 2021 (95% UI)	Rate in 2021 (95% UI)	EAPC in ASMR between 1990 and 2021
Grenada	0.03 (0.02, 0.04)	0.08 (0.06, 0.11)	0.07 (0.06, 0.09)	0.18 (0.15, 0.22)	3.09 (2.66, 3.53)
Guam	0.93 (0.67, 1.18)	1.46 (1.05, 1.86)	0.56 (0.43, 0.76)	1.01 (0.77, 1.37)	-0.93 (-1.13, -0.73)
Guatemala	8.78 (7.10, 10.74)	0.30 (0.24, 0.36)	23.94 (20.38, 27.53)	0.35 (0.30, 0.40)	0.40 (-0.21, 1.02)
Guinea	2.71 (0.76, 5.04)	0.13 (0.04, 0.25)	6.22 (2.41, 11.95)	0.12 (0.05, 0.23)	-0.20 (-0.46, 0.05)
Guinea-Bissau	0.73 (0.16, 1.56)	0.20 (0.04, 0.42)	1.44 (0.50, 2.69)	0.17 (0.06, 0.32)	-0.29 (-0.59, 0.00)
Guyana	0.36 (0.29, 0.44)	0.11 (0.09, 0.13)	0.91 (0.66, 1.26)	0.29 (0.21, 0.40)	4.17 (3.71, 4.63)
Haiti	4.12 (0.96, 9.01)	0.17 (0.04, 0.37)	13.35 (4.13, 29.11)	0.24 (0.08, 0.53)	1.54 (1.41, 1.68)
Honduras	5.63 (3.40, 9.37)	0.33 (0.20, 0.54)	13.03 (6.46, 25.04)	0.30 (0.15, 0.57)	-0.59 (-0.83, -0.35)
Hungary	6.33 (5.76, 7.00)	0.17 (0.16, 0.19)	3.93 (3.30, 4.65)	0.14 (0.12, 0.17)	-0.34 (-0.79, 0.12)
Iceland	0.03 (0.03, 0.04)	0.03 (0.03, 0.04)	0.16 (0.14, 0.18)	0.14 (0.12, 0.15)	5.68 (5.22, 6.14)
India	517.14 (220.15, 894.49)	0.15 (0.06, 0.26)	1002.81 (636.40, 1385.70)	0.16 (0.10, 0.23)	0.14 (-0.11, 0.38)
Indonesia	24.05 (4.74, 76.91)	0.03 (0.01, 0.10)	49.31 (11.91, 132.34)	0.04 (0.01, 0.12)	1.40 (1.27, 1.54)
Iran (Islamic Republic of)	0.30 (0.09, 0.61)	0.00 (0.00, 0.00)	1.46 (0.20, 2.74)	0.00 (0.00, 0.01)	4.85 (4.12, 5.59)
Iraq	3.96 (2.32, 5.98)	0.06 (0.03, 0.08)	8.86 (4.98, 15.28)	0.05 (0.03, 0.09)	-0.06 (-0.22, 0.10)
Ireland	1.43 (1.30, 1.57)	0.10 (0.09, 0.11)	3.74 (3.37, 4.19)	0.24 (0.22, 0.27)	3.69 (2.81, 4.58)
Israel	0.43 (0.38, 0.49)	0.02 (0.02, 0.03)	2.08 (1.86, 2.30)	0.06 (0.06, 0.07)	4.88 (4.13, 5.64)
Italy	4.73 (4.57, 4.91)	0.02 (0.02, 0.02)	19.94 (19.11, 20.75)	0.13 (0.12, 0.13)	6.49 (4.95, 8.05)
Jamaica	0.39 (0.29, 0.52)	0.04 (0.03, 0.05)	1.40 (1.00, 1.92)	0.12 (0.08, 0.16)	3.80 (3.32, 4.28)
Japan	42.92 (41.89, 44.06)	0.10 (0.09, 0.10)	36.37 (35.57, 37.14)	0.11 (0.11, 0.11)	0.43 (0.07, 0.80)
Jordan	2.77 (1.62, 4.52)	0.18 (0.11, 0.29)	8.48 (5.56, 11.79)	0.16 (0.10, 0.22)	-0.36 (-0.55, -0.18)
Kazakhstan	10.58 (8.69, 12.04)	0.16 (0.13, 0.18)	6.64 (5.37, 8.06)	0.10 (0.08, 0.12)	-2.54 (-3.21, -1.86)
Kenya	5.74 (1.68, 15.23)	0.07 (0.02, 0.17)	19.11 (5.44, 53.15)	0.09 (0.03, 0.25)	1.07 (0.98, 1.16)
Kiribati	0.27 (0.12, 0.47)	0.88 (0.40, 1.55)	0.47 (0.23, 0.81)	0.94 (0.47, 1.62)	-0.02 (-0.12, 0.08)
Kuwait	1.67 (1.38, 1.89)	0.20 (0.16, 0.22)	2.58 (2.17, 3.07)	0.12 (0.10, 0.14)	-0.80 (-1.89, 0.30)
Kyrgyzstan	3.73 (3.23, 4.24)	0.21 (0.18, 0.24)	1.31 (1.09, 1.56)	0.05 (0.04, 0.06)	-5.31 (-6.55, -4.06)
Lao People's Democratic Republic	0.38 (0.04, 1.45)	0.02 (0.00, 0.09)	1.04 (0.20, 2.96)	0.03 (0.01, 0.09)	0.80 (0.74, 0.85)
Latvia	1.24 (1.10, 1.41)	0.13 (0.12, 0.15)	0.05 (0.05, 0.06)	0.01 (0.01, 0.01)	-9.93 (-11.98, -7.84)
Lebanon	1.85 (0.76, 3.70)	0.16 (0.07, 0.32)	3.25 (2.19, 4.89)	0.14 (0.09, 0.21)	-0.31 (-0.53, -0.10)
Lesotho	0.30 (0.07, 0.78)	0.06 (0.01, 0.14)	0.65 (0.17, 1.37)	0.08 (0.02, 0.16)	1.89 (1.51, 2.28)
Liberia	1.38 (0.38, 2.74)	0.15 (0.04, 0.30)	3.13 (1.09, 6.64)	0.14 (0.05, 0.30)	0.22 (-0.25, 0.69)
Libya	0.08 (0.00, 0.27)	0.00 (0.00, 0.02)	0.91 (0.09, 3.03)	0.03 (0.00, 0.10)	8.00 (7.36, 8.65)
Lithuania	1.16 (0.92, 1.42)	0.08 (0.07, 0.10)	0.04 (0.03, 0.04)	0.00 (0.00, 0.01)	-10.83 (-12.80, -8.81)
Luxembourg	0.05 (0.04, 0.05)	0.03 (0.03, 0.04)	0.16 (0.14, 0.18)	0.07 (0.06, 0.08)	2.85 (2.08, 3.62)
Madagascar	9.05 (2.38, 16.03)	0.20 (0.05, 0.35)	29.64 (10.49, 63.29)	0.25 (0.09, 0.54)	0.56 (0.46, 0.66)
Malawi	2.30 (0.62, 4.39)	0.06 (0.02, 0.12)	6.86 (2.58, 14.94)	0.08 (0.03, 0.18)	0.94 (0.85, 1.02)

location	Number in 1990 (95% UI)	Rate in 1990 (95% UI)	Number in 2021 (95% UI)	Rate in 2021 (95% UI)	EAPC in ASMR between 1990 and 2021
Malaysia	5.57 (3.61, 8.70)	0.08 (0.05, 0.12)	13.78 (9.25, 20.07)	0.10 (0.07, 0.14)	0.85 (0.71, 0.98)
Maldives	0.40 (0.13, 0.77)	0.49 (0.16, 0.94)	1.13 (0.64, 1.98)	0.43 (0.25, 0.76)	-0.50 (-0.71, -0.29)
Mali	6.98 (1.64, 13.02)	0.23 (0.05, 0.44)	19.03 (6.06, 39.32)	0.21 (0.07, 0.44)	-0.36 (-0.45, -0.26)
Malta	0.09 (0.08, 0.10)	0.06 (0.06, 0.07)	0.24 (0.22, 0.27)	0.18 (0.16, 0.21)	4.63 (3.91, 5.35)
Marshall Islands	0.15 (0.08, 0.27)	0.90 (0.48, 1.55)	0.21 (0.10, 0.39)	0.88 (0.42, 1.66)	0.02 (-0.05, 0.09)
Mauritania	0.96 (0.27, 1.83)	0.13 (0.04, 0.24)	1.50 (0.59, 2.93)	0.09 (0.03, 0.17)	-1.16 (-1.44, -0.88)
Mauritius	1.04 (0.93, 1.16)	0.21 (0.19, 0.23)	3.65 (3.21, 4.04)	0.80 (0.71, 0.89)	4.77 (4.18, 5.37)
Mexico	54.83 (53.38, 56.40)	0.15 (0.15, 0.16)	177.01 (158.98, 196.58)	0.34 (0.31, 0.38)	2.69 (2.37, 3.01)
Micronesia (Federated States of)	0.41 (0.20, 0.68)	1.02 (0.50, 1.71)	0.34 (0.19, 0.58)	0.79 (0.44, 1.36)	-0.79 (-0.88, -0.71)
Monaco	0.02 (0.02, 0.03)	0.24 (0.18, 0.33)	0.03 (0.02, 0.04)	0.28 (0.18, 0.43)	0.45 (0.14, 0.76)
Mongolia	3.14 (1.74, 5.28)	0.36 (0.20, 0.60)	2.88 (1.82, 4.52)	0.23 (0.14, 0.36)	-2.12 (-2.45, -1.79)
Montenegro	0.04 (0.02, 0.06)	0.02 (0.01, 0.02)	0.02 (0.01, 0.04)	0.01 (0.01, 0.02)	-0.68 (-0.91, -0.44)
Morocco	0.41 (0.01, 1.49)	0.00 (0.00, 0.01)	2.60 (0.26, 8.58)	0.02 (0.00, 0.06)	6.00 (5.44, 6.56)
Mozambique	2.54 (0.67, 4.85)	0.05 (0.01, 0.10)	9.09 (3.03, 18.90)	0.08 (0.03, 0.16)	1.38 (1.29, 1.46)
Myanmar	6.50 (0.90, 25.60)	0.04 (0.01, 0.15)	9.65 (2.13, 26.58)	0.04 (0.01, 0.12)	0.24 (0.16, 0.32)
Namibia	0.44 (0.07, 1.28)	0.08 (0.01, 0.23)	0.84 (0.15, 2.34)	0.08 (0.01, 0.22)	-0.20 (-0.38, -0.01)
Nauru	0.04 (0.02, 0.07)	0.97 (0.46, 1.84)	0.04 (0.02, 0.08)	0.88 (0.42, 1.79)	-0.42 (-0.46, -0.39)
Nepal	11.24 (3.96, 21.54)	0.15 (0.05, 0.29)	22.69 (12.93, 39.58)	0.17 (0.10, 0.30)	0.44 (0.36, 0.52)
Netherlands	3.30 (2.98, 3.61)	0.05 (0.05, 0.06)	7.38 (6.79, 8.07)	0.14 (0.13, 0.15)	3.39 (2.78, 4.01)
New Zealand	0.54 (0.49, 0.59)	0.04 (0.04, 0.04)	1.93 (1.75, 2.11)	0.11 (0.10, 0.12)	2.69 (1.85, 3.53)
Nicaragua	1.18 (0.88, 1.79)	0.08 (0.06, 0.12)	3.07 (1.93, 4.48)	0.11 (0.07, 0.16)	1.63 (1.37, 1.89)
Niger	3.54 (0.89, 6.86)	0.13 (0.03, 0.25)	7.81 (2.82, 14.75)	0.09 (0.03, 0.17)	-1.11 (-1.37, -0.84)
Nigeria	22.37 (7.13, 37.93)	0.07 (0.02, 0.11)	58.76 (20.04, 118.39)	0.07 (0.02, 0.13)	-0.05 (-0.19, 0.09)
Niue	0.01 (0.00, 0.01)	0.82 (0.51, 1.32)	0.00 (0.00, 0.01)	0.87 (0.52, 1.46)	-0.74 (-1.05, -0.43)
North Macedonia	0.17 (0.12, 0.29)	0.02 (0.01, 0.04)	0.18 (0.07, 0.37)	0.02 (0.01, 0.05)	0.44 (0.20, 0.68)
Northern Mariana Islands	0.28 (0.18, 0.41)	1.20 (0.76, 1.77)	0.11 (0.06, 0.19)	0.69 (0.38, 1.15)	-1.99 (-2.51, -1.46)
Norway	0.83 (0.80, 0.87)	0.05 (0.05, 0.05)	2.45 (2.36, 2.56)	0.14 (0.13, 0.14)	3.79 (3.01, 4.57)
Oman	0.36 (0.20, 0.64)	0.04 (0.02, 0.08)	1.08 (0.54, 1.74)	0.05 (0.02, 0.08)	1.15 (0.69, 1.62)
Pakistan	48.49 (21.57, 74.35)	0.12 (0.05, 0.18)	136.18 (79.96, 211.59)	0.14 (0.08, 0.21)	0.36 (0.29, 0.42)
Palau	0.06 (0.04, 0.10)	0.86 (0.51, 1.39)	0.06 (0.04, 0.10)	1.05 (0.63, 1.75)	0.73 (0.64, 0.83)
Palestine	1.71 (1.07, 2.58)	0.22 (0.14, 0.34)	4.12 (2.66, 5.85)	0.19 (0.12, 0.27)	-0.57 (-0.83, -0.32)
Panama	1.30 (1.18, 1.43)	0.13 (0.12, 0.14)	3.96 (3.26, 4.85)	0.24 (0.20, 0.29)	2.65 (2.25, 3.06)
Papua New Guinea	11.23 (6.90, 18.04)	0.68 (0.42, 1.09)	33.52 (19.84, 56.77)	0.78 (0.46, 1.33)	0.40 (0.24, 0.55)
Paraguay	1.37 (0.96, 2.13)	0.09 (0.06, 0.14)	3.50 (2.20, 5.16)	0.11 (0.07, 0.17)	1.10 (0.95, 1.25)
Peru	54.02 (36.61, 79.74)	0.61 (0.41, 0.90)	74.40 (50.61, 106.31)	0.50 (0.34, 0.72)	-0.21 (-0.49, 0.07)

location	Number in 1990 (95% UI)	Rate in 1990 (95% UI)	Number in 2021 (95% UI)	Rate in 2021 (95% UI)	EAPC in ASMR between 1990 and 2021
Philippines	1.05 (0.65, 1.34)	0.00 (0.00, 0.01)	3.32 (1.69, 4.85)	0.01 (0.00, 0.01)	2.45 (2.13, 2.77)
Poland	16.01 (15.59, 16.39)	0.11 (0.11, 0.11)	14.55 (13.36, 15.67)	0.12 (0.11, 0.13)	0.73 (0.19, 1.27)
Portugal	2.45 (2.22, 2.72)	0.06 (0.06, 0.07)	4.43 (4.03, 4.86)	0.15 (0.14, 0.16)	3.08 (2.37, 3.79)
Puerto Rico	3.30 (2.96, 3.64)	0.23 (0.21, 0.26)	4.99 (4.01, 6.03)	0.48 (0.39, 0.58)	2.55 (2.19, 2.91)
Qatar	0.13 (0.08, 0.21)	0.05 (0.04, 0.09)	0.74 (0.35, 1.32)	0.04 (0.02, 0.08)	-0.57 (-0.97, -0.17)
Republic of Korea	9.95 (5.48, 17.02)	0.05 (0.03, 0.08)	8.77 (5.46, 12.33)	0.05 (0.03, 0.08)	0.76 (0.57, 0.96)
Republic of Moldova	0.56 (0.49, 0.65)	0.03 (0.03, 0.04)	0.02 (0.02, 0.03)	0.00 (0.00, 0.00)	-10.39 (-12.51, -8.23)
Romania	29.45 (25.02, 33.41)	0.34 (0.29, 0.38)	10.56 (8.91, 12.28)	0.20 (0.17, 0.23)	-1.18 (-1.54, -0.82)
Russian Federation	56.06 (44.13, 66.06)	0.10 (0.08, 0.11)	22.45 (20.45, 24.32)	0.05 (0.04, 0.05)	-3.55 (-4.60, -2.48)
Rwanda	4.17 (1.03, 8.31)	0.15 (0.04, 0.30)	5.67 (2.04, 13.36)	0.10 (0.04, 0.24)	-2.08 (-2.60, -1.56)
Saint Kitts and Nevis	0.02 (0.01, 0.02)	0.09 (0.06, 0.12)	0.03 (0.02, 0.04)	0.12 (0.09, 0.17)	0.92 (0.35, 1.49)
Saint Lucia	0.07 (0.06, 0.08)	0.12 (0.11, 0.14)	0.27 (0.22, 0.33)	0.41 (0.33, 0.50)	4.64 (4.28, 5.01)
Saint Vincent and the Grenadines	0.00 (0.00, 0.01)	0.01 (0.01, 0.01)	0.06 (0.05, 0.07)	0.14 (0.11, 0.16)	7.84 (5.96, 9.76)
Samoa	0.55 (0.32, 0.94)	0.82 (0.48, 1.40)	0.59 (0.33, 1.08)	0.74 (0.41, 1.35)	-0.22 (-0.31, -0.14)
San Marino	0.00 (0.00, 0.00)	0.02 (0.01, 0.03)	0.00 (0.00, 0.00)	0.02 (0.01, 0.03)	-0.10 (-0.59, 0.39)
Sao Tome and Principe	0.13 (0.03, 0.26)	0.30 (0.07, 0.61)	0.31 (0.09, 0.87)	0.34 (0.10, 0.96)	0.14 (-0.18, 0.47)
Saudi Arabia	17.41 (9.20, 30.41)	0.26 (0.14, 0.46)	90.33 (53.83, 138.04)	0.49 (0.29, 0.75)	2.69 (2.39, 2.98)
Senegal	3.91 (1.02, 7.23)	0.14 (0.04, 0.26)	7.77 (3.05, 14.99)	0.12 (0.05, 0.23)	-0.15 (-0.52, 0.23)
Serbia	2.15 (1.37, 3.19)	0.06 (0.04, 0.09)	1.29 (0.72, 2.07)	0.04 (0.02, 0.07)	-0.62 (-0.78, -0.46)
Seychelles	0.01 (0.00, 0.02)	0.03 (0.01, 0.08)	0.01 (0.00, 0.03)	0.02 (0.01, 0.07)	0.04 (-0.16, 0.24)
Sierra Leone	1.89 (0.47, 3.59)	0.12 (0.03, 0.22)	4.25 (1.42, 8.47)	0.11 (0.04, 0.23)	0.01 (-0.37, 0.39)
Singapore	0.63 (0.57, 0.71)	0.04 (0.04, 0.05)	0.62 (0.54, 0.70)	0.03 (0.03, 0.04)	-0.11 (-0.51, 0.29)
Slovakia	1.55 (1.09, 2.26)	0.08 (0.05, 0.11)	1.14 (0.61, 1.78)	0.07 (0.04, 0.10)	0.17 (-0.04, 0.37)
Slovenia	1.16 (1.05, 1.31)	0.15 (0.14, 0.17)	0.50 (0.42, 0.58)	0.09 (0.07, 0.10)	-1.47 (-1.79, -1.14)
Solomon Islands	0.39 (0.23, 0.63)	0.30 (0.18, 0.49)	0.96 (0.53, 1.72)	0.35 (0.19, 0.63)	0.50 (0.39, 0.61)
Somalia	3.17 (0.70, 6.73)	0.11 (0.02, 0.23)	7.24 (2.38, 15.30)	0.09 (0.03, 0.18)	-0.53 (-0.87, -0.20)
South Africa	32.23 (16.98, 44.13)	0.20 (0.11, 0.28)	33.33 (24.23, 49.75)	0.14 (0.10, 0.21)	-1.68 (-2.33, -1.02)
South Sudan	1.88 (0.46, 3.85)	0.08 (0.02, 0.17)	3.00 (1.02, 6.38)	0.08 (0.03, 0.18)	-0.03 (-0.47, 0.42)
Spain	16.21 (14.88, 17.48)	0.11 (0.10, 0.12)	22.89 (20.88, 24.60)	0.18 (0.17, 0.20)	2.05 (1.41, 2.69)
Sri Lanka	8.28 (5.07, 13.88)	0.11 (0.07, 0.19)	7.03 (4.11, 12.19)	0.09 (0.05, 0.15)	-1.27 (-1.54, -0.99)
Sudan	0.38 (0.01, 1.66)	0.01 (0.00, 0.02)	4.12 (0.38, 13.71)	0.02 (0.00, 0.07)	6.15 (5.58, 6.71)
Suriname	0.21 (0.14, 0.28)	0.13 (0.09, 0.17)	0.54 (0.32, 0.77)	0.25 (0.15, 0.36)	2.43 (2.15, 2.71)
Sweden	1.51 (1.38, 1.65)	0.05 (0.05, 0.06)	4.57 (4.08, 5.11)	0.14 (0.13, 0.16)	3.90 (3.56, 4.24)
Switzerland	1.18 (0.99, 1.38)	0.04 (0.04, 0.05)	2.35 (2.12, 2.63)	0.08 (0.08, 0.09)	2.86 (2.26, 3.47)
Syrian Arab Republic	1.83 (1.01, 3.43)	0.04 (0.02, 0.07)	2.70 (1.20, 5.24)	0.05 (0.02, 0.10)	1.77 (1.40, 2.15)

location	Number in 1990 (95% UI)	Rate in 1990 (95% UI)	Number in 2021 (95% UI)	Rate in 2021 (95% UI)	EAPC in ASMR between 1990 and 2021
Taiwan (Province of China)	0.94 (0.86, 1.04)	0.01 (0.01, 0.01)	2.77 (2.43, 3.11)	0.04 (0.03, 0.04)	3.91 (2.90, 4.93)
Tajikistan	6.76 (3.78, 11.26)	0.32 (0.18, 0.53)	11.68 (5.39, 23.90)	0.28 (0.13, 0.57)	-1.49 (-1.97, -1.01)
Thailand	5.36 (2.84, 8.15)	0.02 (0.01, 0.03)	8.34 (4.80, 12.36)	0.04 (0.02, 0.06)	2.03 (1.57, 2.48)
Timor-Leste	0.06 (0.01, 0.18)	0.02 (0.00, 0.06)	0.13 (0.03, 0.37)	0.02 (0.00, 0.06)	0.88 (0.20, 1.57)
Togo	2.08 (0.62, 3.83)	0.15 (0.05, 0.28)	4.72 (1.74, 9.54)	0.14 (0.05, 0.28)	-0.08 (-0.35, 0.19)
Tokelau	0.00 (0.00, 0.01)	0.75 (0.38, 1.35)	0.00 (0.00, 0.01)	0.96 (0.53, 1.58)	-0.17 (-0.59, 0.24)
Tonga	0.17 (0.11, 0.29)	0.47 (0.29, 0.78)	0.20 (0.11, 0.39)	0.53 (0.28, 0.99)	0.68 (0.56, 0.80)
Trinidad and Tobago	0.74 (0.66, 0.82)	0.15 (0.13, 0.16)	2.13 (1.59, 2.72)	0.43 (0.32, 0.55)	4.05 (3.83, 4.28)
Tunisia	0.12 (0.00, 0.40)	0.00 (0.00, 0.01)	0.75 (0.07, 2.64)	0.02 (0.00, 0.06)	6.38 (5.87, 6.89)
Turkey	19.67 (10.07, 32.62)	0.08 (0.04, 0.14)	28.30 (16.65, 40.75)	0.09 (0.05, 0.13)	0.92 (0.58, 1.26)
Turkmenistan	3.84 (3.21, 4.51)	0.25 (0.21, 0.29)	5.03 (3.76, 6.79)	0.24 (0.18, 0.33)	-1.01 (-1.72, -0.30)
Tuvalu	0.03 (0.02, 0.06)	0.93 (0.46, 1.63)	0.04 (0.02, 0.06)	0.73 (0.40, 1.23)	-0.92 (-0.99, -0.84)
Uganda	5.17 (1.60, 11.84)	0.08 (0.02, 0.18)	15.53 (5.63, 35.21)	0.09 (0.03, 0.20)	-0.26 (-0.47, -0.05)
Ukraine	35.94 (31.48, 39.95)	0.19 (0.17, 0.21)	11.40 (7.82, 15.31)	0.08 (0.06, 0.11)	-4.35 (-4.95, -3.74)
United Arab Emirates	4.09 (2.19, 6.75)	0.43 (0.23, 0.71)	13.51 (6.76, 22.82)	0.34 (0.17, 0.57)	-0.73 (-0.98, -0.48)
United Kingdom	13.02 (12.80, 13.26)	0.06 (0.06, 0.06)	44.97 (43.94, 46.03)	0.21 (0.20, 0.21)	5.26 (4.38, 6.15)
United Republic of Tanzania	5.89 (1.91, 10.94)	0.06 (0.02, 0.11)	16.44 (5.74, 36.24)	0.07 (0.02, 0.16)	0.49 (0.45, 0.53)
United States of America	277.05 (271.04, 283.48)	0.27 (0.27, 0.28)	245.30 (232.40, 256.97)	0.22 (0.21, 0.23)	-0.87 (-1.00, -0.73)
United States Virgin Islands	0.08 (0.05, 0.12)	0.20 (0.14, 0.31)	0.07 (0.04, 0.13)	0.32 (0.16, 0.57)	2.17 (1.92, 2.42)
Uruguay	0.94 (0.84, 1.03)	0.08 (0.07, 0.09)	2.07 (1.87, 2.28)	0.17 (0.16, 0.19)	2.76 (2.53, 2.99)
Uzbekistan	21.66 (17.66, 25.48)	0.25 (0.21, 0.30)	14.05 (11.23, 17.47)	0.10 (0.08, 0.13)	-4.19 (-4.99, -3.38)
Vanuatu	0.50 (0.25, 0.80)	0.86 (0.43, 1.36)	1.11 (0.54, 1.92)	0.89 (0.44, 1.54)	-0.23 (-0.35, -0.11)
Venezuela (Bolivarian Republic of)	8.31 (7.29, 9.24)	0.10 (0.09, 0.12)	19.30 (13.77, 25.78)	0.21 (0.15, 0.28)	3.23 (2.95, 3.50)
Viet Nam	4.75 (0.95, 13.46)	0.02 (0.00, 0.05)	7.77 (1.30, 22.35)	0.02 (0.00, 0.06)	0.59 (0.41, 0.76)
Yemen	0.12 (0.00, 0.54)	0.00 (0.00, 0.01)	1.78 (0.24, 5.68)	0.01 (0.00, 0.04)	6.78 (5.90, 7.66)
Zambia	2.12 (0.62, 3.97)	0.07 (0.02, 0.13)	8.24 (2.81, 18.58)	0.10 (0.03, 0.23)	1.15 (1.00, 1.31)
Zimbabwe	0.55 (0.09, 1.08)	0.01 (0.00, 0.03)	1.62 (0.32, 3.49)	0.03 (0.01, 0.06)	2.68 (2.17, 3.20)

**Abbreviation:** EAPC, estimated annual percentage change; ASMR, age-standardized rates for mortality; UI, uncertainty interval; SDI, socio-demographic index; GBD, global burden of disease.

**Supplementary Table SXV.** Upper respiratory infections mortality in 1990 and 2021 in adolescents and young adults and EAPC in ASMR by location

location	Number in 1990 (95% UI)	Rate in 1990 (95% UI)	Number in 2021 (95% UI)	Rate in 2021 (95% UI)	EAPC in ASMR between 1990 and 2021
Global	1805.97 (478.97, 3000.07)	0.08 (0.02, 0.14)	1244.68 (308.55, 2720.46)	0.04 (0.01, 0.09)	-2.43 (-2.62, -2.23)
SDI regions					
High SDI	95.31 (80.05, 113.30)	0.03 (0.02, 0.03)	22.81 (21.52, 24.60)	0.01 (0.01, 0.01)	-4.76 (-5.27, -4.24)
High-middle SDI	345.32 (142.54, 476.80)	0.08 (0.03, 0.11)	51.67 (42.68, 77.33)	0.01 (0.01, 0.02)	-6.79 (-7.19, -6.40)
Middle SDI	681.13 (204.65, 1061.37)	0.09 (0.03, 0.14)	141.31 (98.62, 205.61)	0.02 (0.01, 0.02)	-6.23 (-6.51, -5.95)
Low-middle SDI	266.43 (37.50, 556.90)	0.06 (0.01, 0.12)	301.01 (78.32, 571.76)	0.04 (0.01, 0.07)	-1.39 (-1.51, -1.26)
Low SDI	417.04 (12.10, 1084.46)	0.23 (0.01, 0.59)	727.26 (25.11, 1963.07)	0.16 (0.01, 0.44)	-1.28 (-1.38, -1.17)
GBD regions					
Central Asia	10.71 (7.79, 15.05)	0.04 (0.03, 0.05)	8.43 (6.31, 11.34)	0.02 (0.02, 0.03)	-2.23 (-2.62, -1.83)
East Asia	743.64 (151.36, 1150.77)	0.13 (0.03, 0.20)	48.79 (29.10, 109.86)	0.01 (0.01, 0.02)	-9.52 (-10.06, -8.97)
South Asia	156.90 (8.20, 335.36)	0.04 (0.00, 0.08)	125.91 (20.16, 243.70)	0.02 (0.00, 0.03)	-2.56 (-2.83, -2.29)
Southeast Asia	53.29 (13.54, 105.41)	0.03 (0.01, 0.05)	26.71 (15.68, 51.78)	0.01 (0.01, 0.02)	-3.44 (-3.50, -3.38)
High-income Asia Pacific	24.34 (16.44, 38.21)	0.04 (0.02, 0.06)	1.43 (1.17, 2.49)	0.00 (0.00, 0.00)	-8.79 (-9.21, -8.36)
Oceania	0.01 (0.00, 0.04)	0.00 (0.00, 0.00)	0.01 (0.00, 0.04)	0.00 (0.00, 0.00)	-2.40 (-2.63, -2.17)
Australasia	1.22 (1.06, 1.43)	0.01 (0.01, 0.02)	0.66 (0.53, 0.81)	0.01 (0.01, 0.01)	-2.77 (-3.81, -1.72)
Central Europe	13.09 (11.37, 15.12)	0.03 (0.02, 0.03)	1.91 (1.54, 2.53)	0.01 (0.00, 0.01)	-5.76 (-6.36, -5.16)
Eastern Europe	65.91 (61.01, 75.62)	0.08 (0.07, 0.09)	24.21 (21.98, 26.43)	0.04 (0.03, 0.04)	-3.17 (-3.48, -2.86)
Western Europe	33.07 (31.28, 34.88)	0.02 (0.02, 0.02)	8.16 (7.73, 8.56)	0.01 (0.01, 0.01)	-4.30 (-4.42, -4.18)
Andean Latin America	5.27 (2.53, 9.76)	0.03 (0.02, 0.06)	1.98 (1.33, 3.01)	0.01 (0.00, 0.01)	-5.19 (-5.41, -4.97)
Central Latin America	51.93 (47.11, 56.34)	0.08 (0.07, 0.08)	11.55 (9.85, 13.88)	0.01 (0.01, 0.01)	-6.37 (-6.60, -6.14)
High-income North America	26.18 (24.91, 27.45)	0.02 (0.02, 0.02)	12.68 (11.84, 13.53)	0.01 (0.01, 0.01)	-2.13 (-2.75, -1.51)
Southern Latin America	3.00 (2.57, 3.49)	0.02 (0.01, 0.02)	1.07 (0.94, 1.22)	0.00 (0.00, 0.00)	-4.72 (-5.35, -4.09)
Tropical Latin America	18.82 (17.31, 20.41)	0.03 (0.03, 0.03)	17.54 (16.35, 19.02)	0.02 (0.02, 0.02)	-1.15 (-1.71, -0.59)
Caribbean	6.37 (3.56, 10.67)	0.04 (0.02, 0.07)	3.96 (1.50, 7.92)	0.02 (0.01, 0.04)	-2.58 (-3.02, -2.14)
Central Sub-Saharan Africa	53.99 (2.55, 146.15)	0.26 (0.01, 0.70)	110.19 (6.37, 409.56)	0.20 (0.01, 0.76)	-0.76 (-0.90, -0.63)
Eastern Sub-Saharan Africa	256.24 (7.65, 656.43)	0.36 (0.01, 0.93)	443.80 (16.08, 1204.12)	0.25 (0.01, 0.69)	-1.38 (-1.48, -1.28)
North Africa and Middle East	20.12 (5.65, 49.70)	0.02 (0.00, 0.04)	16.25 (10.14, 28.13)	0.01 (0.00, 0.01)	-1.83 (-2.27, -1.39)
Southern Sub-Saharan Africa	87.32 (42.29, 159.00)	0.40 (0.20, 0.74)	80.39 (50.08, 125.19)	0.24 (0.15, 0.37)	-1.27 (-1.82, -0.71)
Western Sub-Saharan Africa	174.55 (5.64, 559.80)	0.24 (0.01, 0.78)	299.04 (14.58, 857.72)	0.16 (0.01, 0.45)	-1.52 (-1.62, -1.41)
Countries					
Afghanistan	0.02 (0.00, 0.18)	0.00 (0.00, 0.01)	0.27 (0.00, 2.18)	0.00 (0.00, 0.02)	5.85 (5.10, 6.60)
Albania	0.90 (0.41, 1.92)	0.06 (0.03, 0.13)	0.18 (0.08, 0.53)	0.02 (0.01, 0.06)	-4.65 (-4.93, -4.37)

location	Number in 1990 (95% UI)	Rate in 1990 (95% UI)	Number in 2021 (95% UI)	Rate in 2021 (95% UI)	EAPC in ASMR between 1990 and 2021
Algeria	0.01 (0.00, 0.08)	0.00 (0.00, 0.00)	0.04 (0.00, 0.25)	0.00 (0.00, 0.00)	4.26 (3.68, 4.83)
American Samoa	0.00 (0.00, 0.00)	0.00 (0.00, 0.00)	0.00 (0.00, 0.00)	0.00 (0.00, 0.00)	-4.04 (-4.68, -3.40)
Andorra	0.01 (0.00, 0.01)	0.02 (0.01, 0.04)	0.00 (0.00, 0.00)	0.01 (0.00, 0.01)	-3.38 (-3.51, -3.26)
Angola	10.02 (0.55, 34.36)	0.26 (0.01, 0.88)	12.61 (2.19, 27.23)	0.10 (0.02, 0.22)	-2.92 (-3.18, -2.67)
Antigua and Barbuda	0.00 (0.00, 0.00)	0.01 (0.01, 0.01)	0.00 (0.00, 0.00)	0.00 (0.00, 0.01)	-1.99 (-2.87, -1.09)
Argentina	0.73 (0.58, 0.93)	0.01 (0.00, 0.01)	0.37 (0.32, 0.44)	0.00 (0.00, 0.00)	-3.79 (-4.34, -3.23)
Armenia	0.24 (0.16, 0.34)	0.02 (0.01, 0.02)	0.05 (0.04, 0.07)	0.00 (0.00, 0.01)	-4.73 (-5.13, -4.33)
Australia	1.12 (0.96, 1.33)	0.02 (0.01, 0.02)	0.62 (0.49, 0.77)	0.01 (0.01, 0.01)	-2.83 (-3.81, -1.83)
Austria	0.57 (0.50, 0.63)	0.02 (0.02, 0.02)	0.14 (0.13, 0.16)	0.01 (0.00, 0.01)	-4.92 (-5.21, -4.63)
Azerbaijan	0.67 (0.24, 1.61)	0.02 (0.01, 0.05)	0.38 (0.16, 0.91)	0.01 (0.00, 0.02)	-3.99 (-4.44, -3.54)
Bahamas	0.08 (0.05, 0.10)	0.06 (0.04, 0.09)	0.04 (0.03, 0.05)	0.02 (0.02, 0.03)	-4.33 (-5.18, -3.47)
Bahrain	0.00 (0.00, 0.00)	0.00 (0.00, 0.00)	0.00 (0.00, 0.00)	0.00 (0.00, 0.00)	3.26 (2.12, 4.41)
Bangladesh	20.41 (0.74, 48.28)	0.05 (0.00, 0.11)	15.50 (1.43, 40.52)	0.02 (0.00, 0.06)	-2.42 (-2.57, -2.27)
Barbados	0.03 (0.02, 0.04)	0.03 (0.02, 0.04)	0.01 (0.01, 0.02)	0.01 (0.01, 0.02)	-3.29 (-3.85, -2.72)
Belarus	1.39 (0.94, 1.74)	0.04 (0.02, 0.04)	0.50 (0.38, 0.64)	0.02 (0.01, 0.02)	-3.19 (-3.67, -2.70)
Belgium	0.57 (0.51, 0.64)	0.02 (0.01, 0.02)	0.12 (0.11, 0.14)	0.00 (0.00, 0.00)	-5.16 (-5.34, -4.98)
Belize	0.03 (0.02, 0.05)	0.04 (0.03, 0.07)	0.03 (0.03, 0.04)	0.02 (0.01, 0.02)	-3.01 (-3.69, -2.33)
Benin	4.72 (0.12, 18.43)	0.28 (0.01, 1.08)	9.41 (0.30, 33.35)	0.18 (0.01, 0.64)	-1.61 (-1.76, -1.46)
Bermuda	0.00 (0.00, 0.00)	0.00 (0.00, 0.00)	0.00 (0.00, 0.00)	0.00 (0.00, 0.00)	-7.86 (-8.51, -7.21)
Bhutan	0.08 (0.00, 0.22)	0.03 (0.00, 0.08)	0.05 (0.01, 0.15)	0.01 (0.00, 0.04)	-3.04 (-3.30, -2.77)
Bolivia (Plurinational State of)	1.36 (0.22, 4.04)	0.06 (0.01, 0.16)	0.73 (0.26, 1.62)	0.01 (0.01, 0.03)	-4.26 (-4.34, -4.17)
Bosnia and Herzegovina	0.19 (0.04, 0.50)	0.01 (0.00, 0.03)	0.04 (0.02, 0.08)	0.00 (0.00, 0.01)	-3.83 (-4.36, -3.29)
Botswana	3.41 (0.37, 11.56)	0.66 (0.07, 2.25)	2.48 (0.63, 5.86)	0.23 (0.06, 0.55)	-3.05 (-3.35, -2.75)
Brazil	18.59 (17.17, 20.19)	0.03 (0.03, 0.03)	17.34 (16.16, 18.80)	0.02 (0.02, 0.02)	-1.12 (-1.69, -0.55)
Brunei Darussalam	0.01 (0.00, 0.03)	0.01 (0.00, 0.02)	0.00 (0.00, 0.01)	0.00 (0.00, 0.00)	-3.19 (-3.39, -2.98)
Bulgaria	1.33 (0.95, 1.77)	0.04 (0.03, 0.06)	0.25 (0.17, 0.36)	0.01 (0.01, 0.02)	-4.26 (-4.78, -3.74)
Burkina Faso	11.21 (0.18, 38.16)	0.35 (0.01, 1.20)	20.38 (0.57, 78.94)	0.24 (0.01, 0.91)	-1.29 (-1.47, -1.10)
Burundi	9.35 (0.27, 30.21)	0.45 (0.01, 1.46)	17.03 (0.31, 57.30)	0.32 (0.01, 1.09)	-1.47 (-1.64, -1.31)
Cabo Verde	0.23 (0.01, 0.81)	0.17 (0.01, 0.62)	0.11 (0.02, 0.31)	0.04 (0.01, 0.12)	-4.86 (-5.05, -4.67)
Cambodia	1.94 (0.19, 5.49)	0.05 (0.00, 0.14)	1.38 (0.28, 4.02)	0.02 (0.00, 0.06)	-3.57 (-3.77, -3.36)
Cameroon	9.14 (0.50, 25.78)	0.24 (0.01, 0.68)	19.54 (1.55, 54.60)	0.15 (0.01, 0.42)	-1.47 (-1.65, -1.30)
Canada	2.45 (2.15, 2.77)	0.02 (0.02, 0.02)	1.18 (1.02, 1.36)	0.01 (0.01, 0.01)	-2.42 (-3.14, -1.69)
Central African Republic	3.82 (0.15, 10.69)	0.37 (0.01, 1.03)	8.29 (0.22, 28.30)	0.38 (0.01, 1.30)	0.08 (-0.09, 0.25)
Chad	6.33 (0.12, 20.96)	0.30 (0.01, 1.00)	16.22 (0.46, 59.40)	0.26 (0.01, 0.94)	-0.48 (-0.66, -0.30)
Chile	2.04 (1.76, 2.36)	0.04 (0.03, 0.04)	0.58 (0.50, 0.68)	0.01 (0.01, 0.01)	-5.13 (-5.81, -4.45)

location	Number in 1990 (95% UI)	Rate in 1990 (95% UI)	Number in 2021 (95% UI)	Rate in 2021 (95% UI)	EAPC in ASMR between 1990 and 2021
China	729.48 (142.48, 1126.39)	0.13 (0.03, 0.21)	44.86 (25.84, 93.62)	0.01 (0.01, 0.02)	-9.73 (-10.29, -9.17)
Colombia	7.54 (6.71, 8.43)	0.05 (0.05, 0.06)	1.21 (0.98, 1.46)	0.01 (0.00, 0.01)	-7.41 (-7.70, -7.12)
Comoros	0.63 (0.01, 2.47)	0.36 (0.01, 1.43)	0.71 (0.05, 2.10)	0.23 (0.02, 0.68)	-2.25 (-3.02, -1.48)
Congo	1.93 (0.17, 5.42)	0.20 (0.02, 0.57)	2.74 (0.43, 6.99)	0.12 (0.02, 0.32)	-1.61 (-1.91, -1.31)
Cook Islands	0.00 (0.00, 0.00)	0.00 (0.00, 0.00)	0.00 (0.00, 0.00)	0.00 (0.00, 0.00)	-5.27 (-5.49, -5.04)
Costa Rica	0.13 (0.10, 0.16)	0.01 (0.01, 0.01)	0.05 (0.04, 0.06)	0.00 (0.00, 0.00)	-4.86 (-5.10, -4.62)
Coted'Ivoire	11.74 (0.44, 48.26)	0.25 (0.01, 1.02)	21.24 (1.15, 75.65)	0.19 (0.01, 0.67)	-0.68 (-0.89, -0.47)
Croatia	0.12 (0.10, 0.14)	0.01 (0.01, 0.01)	0.02 (0.01, 0.02)	0.00 (0.00, 0.00)	-5.63 (-6.15, -5.11)
Cuba	2.76 (2.03, 3.41)	0.06 (0.04, 0.07)	0.50 (0.41, 0.60)	0.01 (0.01, 0.02)	-5.52 (-6.30, -4.73)
Cyprus	0.03 (0.01, 0.08)	0.01 (0.00, 0.02)	0.01 (0.01, 0.02)	0.00 (0.00, 0.00)	-5.89 (-6.38, -5.39)
Czechia	2.20 (1.86, 2.61)	0.06 (0.05, 0.07)	0.33 (0.26, 0.43)	0.01 (0.01, 0.01)	-5.14 (-5.69, -4.59)
Democratic People's Republic of Korea	6.59 (1.58, 17.40)	0.08 (0.02, 0.21)	3.73 (0.83, 14.39)	0.04 (0.01, 0.14)	-2.89 (-3.09, -2.68)
Democratic Republic of the Congo	37.31 (1.54, 106.54)	0.26 (0.01, 0.74)	85.86 (3.06, 355.74)	0.24 (0.01, 0.99)	-0.23 (-0.40, -0.07)
Denmark	0.48 (0.41, 0.55)	0.03 (0.02, 0.03)	0.09 (0.08, 0.10)	0.00 (0.00, 0.01)	-5.78 (-6.14, -5.42)
Djibouti	0.30 (0.03, 1.01)	0.17 (0.01, 0.58)	0.68 (0.10, 1.94)	0.13 (0.02, 0.36)	-1.16 (-1.48, -0.85)
Dominica	0.02 (0.00, 0.04)	0.06 (0.02, 0.13)	0.01 (0.00, 0.01)	0.03 (0.02, 0.05)	-1.84 (-2.20, -1.48)
Dominican Republic	0.54 (0.21, 1.32)	0.02 (0.01, 0.04)	0.45 (0.22, 0.85)	0.01 (0.00, 0.02)	-2.02 (-2.41, -1.63)
Ecuador	2.08 (1.52, 2.98)	0.05 (0.04, 0.07)	0.65 (0.50, 0.83)	0.01 (0.01, 0.01)	-6.01 (-6.36, -5.66)
Egypt	7.36 (1.81, 19.88)	0.03 (0.01, 0.09)	6.34 (3.62, 11.10)	0.02 (0.01, 0.03)	-2.12 (-2.36, -1.88)
El Salvador	0.35 (0.09, 0.65)	0.02 (0.00, 0.03)	0.11 (0.05, 0.19)	0.00 (0.00, 0.01)	-4.63 (-4.85, -4.41)
Equatorial Guinea	0.45 (0.03, 1.17)	0.30 (0.02, 0.78)	0.32 (0.05, 0.74)	0.05 (0.01, 0.11)	-6.97 (-7.40, -6.54)
Eritrea	4.99 (0.17, 14.93)	0.39 (0.01, 1.15)	7.59 (0.49, 24.82)	0.27 (0.02, 0.89)	-1.01 (-1.13, -0.89)
Estonia	0.19 (0.14, 0.27)	0.03 (0.02, 0.05)	0.02 (0.02, 0.03)	0.01 (0.00, 0.01)	-6.90 (-7.49, -6.31)
Eswatini	1.64 (0.18, 5.19)	0.55 (0.06, 1.72)	1.75 (0.41, 4.32)	0.34 (0.08, 0.85)	-1.22 (-1.65, -0.79)
Ethiopia	86.29 (2.07, 246.46)	0.47 (0.01, 1.35)	102.72 (2.74, 356.99)	0.22 (0.01, 0.77)	-2.95 (-3.12, -2.77)
Fiji	0.00 (0.00, 0.00)	0.00 (0.00, 0.00)	0.00 (0.00, 0.00)	0.00 (0.00, 0.00)	-2.63 (-3.09, -2.16)
Finland	0.44 (0.35, 0.52)	0.02 (0.02, 0.03)	0.09 (0.08, 0.11)	0.01 (0.00, 0.01)	-4.80 (-4.94, -4.66)
France	5.85 (5.15, 6.69)	0.03 (0.02, 0.03)	1.26 (1.07, 1.46)	0.01 (0.01, 0.01)	-4.72 (-4.84, -4.61)
Gabon	0.47 (0.06, 1.23)	0.12 (0.02, 0.32)	0.36 (0.07, 0.84)	0.05 (0.01, 0.11)	-3.00 (-3.13, -2.88)
Gambia	1.14 (0.03, 4.72)	0.30 (0.01, 1.25)	2.52 (0.11, 8.89)	0.25 (0.01, 0.89)	-0.99 (-1.29, -0.69)
Georgia	0.29 (0.19, 0.42)	0.01 (0.01, 0.02)	0.12 (0.09, 0.15)	0.01 (0.01, 0.01)	-1.42 (-2.34, -0.50)
Germany	4.34 (3.38, 5.30)	0.01 (0.01, 0.02)	0.99 (0.81, 1.19)	0.00 (0.00, 0.00)	-4.80 (-5.09, -4.51)
Ghana	13.98 (0.63, 42.79)	0.24 (0.01, 0.75)	17.16 (1.88, 49.63)	0.12 (0.01, 0.35)	-2.24 (-2.48, -2.00)
Greece	5.46 (4.85, 6.20)	0.15 (0.13, 0.17)	1.30 (1.13, 1.50)	0.05 (0.04, 0.05)	-3.88 (-4.30, -3.45)
Greenland	0.00 (0.00, 0.00)	0.00 (0.00, 0.00)	0.00 (0.00, 0.00)	0.00 (0.00, 0.00)	-3.92 (-4.81, -3.03)

location	Number in 1990 (95% UI)	Rate in 1990 (95% UI)	Number in 2021 (95% UI)	Rate in 2021 (95% UI)	EAPC in ASMR between 1990 and 2021
Grenada	0.02 (0.01, 0.02)	0.05 (0.03, 0.06)	0.02 (0.02, 0.03)	0.06 (0.05, 0.07)	0.54 (-0.59, 1.68)
Guam	0.00 (0.00, 0.00)	0.00 (0.00, 0.00)	0.00 (0.00, 0.00)	0.00 (0.00, 0.00)	-4.27 (-4.91, -3.63)
Guatemala	3.50 (2.69, 4.41)	0.12 (0.09, 0.15)	1.21 (0.99, 1.45)	0.02 (0.01, 0.02)	-6.19 (-6.48, -5.90)
Guinea	6.53 (0.18, 26.02)	0.32 (0.01, 1.27)	14.18 (0.51, 52.16)	0.27 (0.01, 1.01)	-0.39 (-0.51, -0.26)
Guinea-Bissau	1.61 (0.05, 6.03)	0.43 (0.01, 1.63)	2.92 (0.11, 10.20)	0.35 (0.01, 1.21)	-0.61 (-0.67, -0.55)
Guyana	0.03 (0.03, 0.04)	0.01 (0.01, 0.01)	0.06 (0.04, 0.08)	0.02 (0.01, 0.02)	0.14 (-1.42, 1.72)
Haiti	1.93 (0.07, 5.61)	0.08 (0.00, 0.23)	2.40 (0.12, 6.20)	0.04 (0.00, 0.11)	-1.84 (-2.04, -1.64)
Honduras	1.80 (0.20, 3.77)	0.10 (0.01, 0.22)	1.39 (0.30, 3.30)	0.03 (0.01, 0.08)	-4.13 (-4.25, -4.01)
Hungary	2.40 (1.94, 2.97)	0.06 (0.05, 0.08)	0.26 (0.19, 0.35)	0.01 (0.01, 0.01)	-6.45 (-7.10, -5.79)
Iceland	0.01 (0.01, 0.01)	0.01 (0.01, 0.01)	0.01 (0.00, 0.01)	0.00 (0.00, 0.01)	-3.29 (-3.77, -2.81)
India	117.75 (6.45, 248.71)	0.03 (0.00, 0.07)	84.06 (13.41, 167.78)	0.01 (0.00, 0.03)	-2.77 (-3.09, -2.46)
Indonesia	18.37 (5.17, 43.66)	0.02 (0.01, 0.06)	9.99 (5.18, 24.97)	0.01 (0.00, 0.02)	-3.01 (-3.12, -2.89)
Iran (Islamic Republic of)	0.03 (0.00, 0.08)	0.00 (0.00, 0.00)	0.07 (0.00, 0.13)	0.00 (0.00, 0.00)	2.13 (0.88, 3.38)
Iraq	1.40 (0.32, 2.91)	0.02 (0.00, 0.04)	0.93 (0.28, 1.70)	0.01 (0.00, 0.01)	-4.41 (-4.63, -4.19)
Ireland	0.12 (0.11, 0.14)	0.01 (0.01, 0.01)	0.03 (0.03, 0.04)	0.00 (0.00, 0.00)	-4.77 (-5.12, -4.42)
Israel	0.13 (0.10, 0.16)	0.01 (0.01, 0.01)	0.06 (0.05, 0.07)	0.00 (0.00, 0.00)	-4.53 (-4.91, -4.15)
Italy	4.31 (4.11, 4.51)	0.02 (0.02, 0.02)	0.31 (0.29, 0.34)	0.00 (0.00, 0.00)	-7.77 (-8.03, -7.50)
Jamaica	0.10 (0.06, 0.14)	0.01 (0.01, 0.01)	0.08 (0.05, 0.11)	0.01 (0.00, 0.01)	-2.16 (-3.31, -0.99)
Japan	13.95 (13.40, 14.66)	0.03 (0.03, 0.03)	0.77 (0.72, 0.83)	0.00 (0.00, 0.00)	-8.54 (-8.85, -8.23)
Jordan	0.01 (0.00, 0.04)	0.00 (0.00, 0.00)	0.04 (0.02, 0.06)	0.00 (0.00, 0.00)	1.79 (1.00, 2.59)
Kazakhstan	1.77 (1.22, 2.42)	0.03 (0.02, 0.04)	0.83 (0.56, 1.16)	0.01 (0.01, 0.02)	-3.28 (-3.95, -2.61)
Kenya	16.29 (0.97, 40.83)	0.19 (0.01, 0.47)	31.72 (2.56, 93.42)	0.15 (0.01, 0.43)	-0.60 (-0.81, -0.38)
Kiribati	0.00 (0.00, 0.01)	0.01 (0.00, 0.02)	0.00 (0.00, 0.01)	0.00 (0.00, 0.01)	-2.23 (-2.46, -1.99)
Kuwait	0.00 (0.00, 0.00)	0.00 (0.00, 0.00)	0.01 (0.01, 0.01)	0.00 (0.00, 0.00)	15.14 (12.89, 17.43)
Kyrgyzstan	1.24 (0.82, 1.82)	0.07 (0.05, 0.10)	0.77 (0.52, 1.08)	0.03 (0.02, 0.04)	-3.71 (-4.42, -2.99)
Lao People's Democratic Republic	0.77 (0.08, 2.00)	0.05 (0.01, 0.13)	0.66 (0.14, 2.22)	0.02 (0.00, 0.07)	-3.02 (-3.11, -2.93)
Latvia	0.31 (0.24, 0.45)	0.03 (0.03, 0.05)	0.04 (0.03, 0.05)	0.01 (0.01, 0.01)	-5.62 (-6.23, -5.02)
Lebanon	0.10 (0.02, 0.29)	0.01 (0.00, 0.02)	0.07 (0.04, 0.12)	0.00 (0.00, 0.01)	-3.26 (-3.39, -3.13)
Lesotho	2.46 (0.20, 7.09)	0.46 (0.04, 1.31)	3.77 (1.02, 8.40)	0.45 (0.12, 1.01)	0.90 (0.47, 1.33)
Liberia	3.04 (0.06, 12.13)	0.33 (0.01, 1.31)	4.80 (0.13, 16.61)	0.21 (0.01, 0.74)	-1.47 (-1.67, -1.27)
Libya	0.00 (0.00, 0.01)	0.00 (0.00, 0.00)	0.01 (0.00, 0.04)	0.00 (0.00, 0.00)	5.50 (4.80, 6.20)
Lithuania	0.51 (0.40, 0.71)	0.04 (0.03, 0.05)	0.07 (0.06, 0.09)	0.01 (0.01, 0.01)	-5.17 (-5.62, -4.72)
Luxembourg	0.02 (0.02, 0.02)	0.01 (0.01, 0.01)	0.00 (0.00, 0.00)	0.00 (0.00, 0.00)	-7.30 (-7.60, -7.01)
Madagascar	14.98 (0.83, 41.35)	0.33 (0.02, 0.91)	32.10 (1.29, 103.50)	0.27 (0.01, 0.88)	-0.76 (-0.86, -0.65)
Malawi	12.19 (0.34, 34.27)	0.33 (0.01, 0.92)	23.34 (0.80, 75.99)	0.29 (0.01, 0.93)	-0.64 (-0.88, -0.41)

location	Number in 1990 (95% UI)	Rate in 1990 (95% UI)	Number in 2021 (95% UI)	Rate in 2021 (95% UI)	EAPC in ASMR between 1990 and 2021
Malaysia	1.01 (0.44, 1.94)	0.01 (0.01, 0.03)	0.66 (0.38, 1.18)	0.00 (0.00, 0.01)	-3.84 (-4.06, -3.61)
Maldives	0.01 (0.00, 0.03)	0.01 (0.00, 0.04)	0.01 (0.00, 0.02)	0.00 (0.00, 0.01)	-4.98 (-5.42, -4.55)
Mali	11.41 (0.22, 39.56)	0.38 (0.01, 1.32)	25.06 (0.63, 94.95)	0.28 (0.01, 1.07)	-0.97 (-1.01, -0.92)
Malta	0.03 (0.03, 0.04)	0.02 (0.02, 0.03)	0.01 (0.01, 0.01)	0.01 (0.01, 0.01)	-3.93 (-4.20, -3.66)
Marshall Islands	0.00 (0.00, 0.00)	0.00 (0.00, 0.00)	0.00 (0.00, 0.00)	0.00 (0.00, 0.00)	-2.08 (-2.29, -1.88)
Mauritania	1.93 (0.15, 6.07)	0.25 (0.02, 0.79)	1.77 (0.25, 4.99)	0.10 (0.01, 0.29)	-2.88 (-2.98, -2.79)
Mauritius	0.08 (0.07, 0.10)	0.02 (0.01, 0.02)	0.05 (0.04, 0.06)	0.01 (0.01, 0.01)	-1.85 (-2.65, -1.05)
Mexico	36.38 (34.08, 39.26)	0.10 (0.10, 0.11)	6.62 (5.90, 7.33)	0.01 (0.01, 0.01)	-6.88 (-7.18, -6.59)
Micronesia (Federated States of)	0.00 (0.00, 0.00)	0.00 (0.00, 0.00)	0.00 (0.00, 0.00)	0.00 (0.00, 0.00)	-3.59 (-3.82, -3.36)
Monaco	0.00 (0.00, 0.00)	0.00 (0.00, 0.00)	0.00 (0.00, 0.00)	0.00 (0.00, 0.00)	-2.35 (-2.55, -2.15)
Mongolia	0.36 (0.08, 0.84)	0.04 (0.01, 0.09)	0.20 (0.10, 0.32)	0.02 (0.01, 0.03)	-3.75 (-4.12, -3.39)
Montenegro	0.01 (0.00, 0.03)	0.00 (0.00, 0.01)	0.00 (0.00, 0.01)	0.00 (0.00, 0.00)	-3.85 (-4.38, -3.31)
Morocco	0.02 (0.00, 0.15)	0.00 (0.00, 0.00)	0.05 (0.00, 0.38)	0.00 (0.00, 0.00)	3.98 (3.22, 4.75)
Mozambique	21.00 (0.32, 64.43)	0.44 (0.01, 1.36)	45.75 (1.29, 137.95)	0.38 (0.01, 1.15)	-0.16 (-0.32, -0.01)
Myanmar	10.53 (1.44, 25.88)	0.06 (0.01, 0.15)	3.50 (1.00, 9.58)	0.02 (0.00, 0.04)	-5.05 (-5.33, -4.78)
Namibia	2.71 (0.31, 8.52)	0.48 (0.06, 1.52)	2.57 (0.54, 6.70)	0.25 (0.05, 0.64)	-2.39 (-2.62, -2.16)
Nauru	0.00 (0.00, 0.00)	0.00 (0.00, 0.00)	0.00 (0.00, 0.00)	0.00 (0.00, 0.00)	-2.74 (-3.21, -2.26)
Nepal	3.68 (0.12, 10.15)	0.05 (0.00, 0.14)	3.02 (0.28, 7.60)	0.02 (0.00, 0.06)	-2.72 (-2.82, -2.61)
Netherlands	1.21 (1.08, 1.37)	0.02 (0.02, 0.02)	0.27 (0.23, 0.31)	0.01 (0.00, 0.01)	-4.85 (-5.07, -4.62)
New Zealand	0.10 (0.08, 0.12)	0.01 (0.01, 0.01)	0.04 (0.03, 0.04)	0.00 (0.00, 0.00)	-1.43 (-4.70, 1.96)
Nicaragua	0.10 (0.04, 0.17)	0.01 (0.00, 0.01)	0.05 (0.03, 0.08)	0.00 (0.00, 0.00)	-5.04 (-5.20, -4.87)
Niger	9.06 (0.15, 31.13)	0.33 (0.01, 1.12)	21.06 (0.32, 73.85)	0.24 (0.00, 0.83)	-1.39 (-1.60, -1.18)
Nigeria	65.00 (2.11, 201.74)	0.19 (0.01, 0.59)	93.85 (5.16, 264.52)	0.10 (0.01, 0.29)	-2.22 (-2.39, -2.06)
Niue	0.00 (0.00, 0.00)	0.00 (0.00, 0.00)	0.00 (0.00, 0.00)	0.00 (0.00, 0.00)	-4.08 (-4.41, -3.75)
North Macedonia	0.22 (0.10, 0.43)	0.03 (0.01, 0.05)	0.07 (0.03, 0.18)	0.01 (0.00, 0.02)	-4.59 (-5.02, -4.15)
Northern Mariana Islands	0.00 (0.00, 0.00)	0.00 (0.00, 0.00)	0.00 (0.00, 0.00)	0.00 (0.00, 0.00)	-4.41 (-5.08, -3.75)
Norway	0.16 (0.15, 0.18)	0.01 (0.01, 0.01)	0.12 (0.11, 0.13)	0.01 (0.01, 0.01)	-1.29 (-2.53, -0.03)
Oman	9.72 (2.21, 24.35)	1.17 (0.27, 2.93)	7.12 (3.93, 13.29)	0.31 (0.17, 0.57)	-2.88 (-3.42, -2.34)
Pakistan	14.98 (0.67, 41.33)	0.04 (0.00, 0.10)	23.29 (3.24, 56.54)	0.02 (0.00, 0.06)	-1.69 (-2.00, -1.37)
Palau	0.00 (0.00, 0.00)	0.00 (0.00, 0.00)	0.00 (0.00, 0.00)	0.00 (0.00, 0.00)	-1.82 (-2.01, -1.62)
Palestine	0.02 (0.00, 0.05)	0.00 (0.00, 0.01)	0.04 (0.01, 0.06)	0.00 (0.00, 0.00)	-0.41 (-1.52, 0.71)
Panama	1.02 (0.76, 1.29)	0.10 (0.08, 0.13)	0.38 (0.30, 0.48)	0.02 (0.02, 0.03)	-4.84 (-5.23, -4.45)
Papua New Guinea	0.01 (0.00, 0.03)	0.00 (0.00, 0.00)	0.01 (0.00, 0.03)	0.00 (0.00, 0.00)	-2.69 (-2.98, -2.40)
Paraguay	0.23 (0.10, 0.45)	0.01 (0.01, 0.03)	0.21 (0.09, 0.32)	0.01 (0.00, 0.01)	-2.15 (-2.27, -2.03)
Peru	1.84 (0.58, 4.01)	0.02 (0.01, 0.05)	0.60 (0.31, 1.04)	0.00 (0.00, 0.01)	-5.52 (-5.82, -5.21)

location	Number in 1990 (95% UI)	Rate in 1990 (95% UI)	Number in 2021 (95% UI)	Rate in 2021 (95% UI)	EAPC in ASMR between 1990 and 2021
Philippines	6.52 (2.37, 9.74)	0.03 (0.01, 0.04)	6.00 (2.51, 8.77)	0.01 (0.01, 0.02)	-2.02 (-2.13, -1.91)
Poland	3.40 (3.18, 3.65)	0.02 (0.02, 0.03)	0.25 (0.22, 0.28)	0.00 (0.00, 0.00)	-9.75 (-11.57, -7.89)
Portugal	0.81 (0.72, 0.92)	0.02 (0.02, 0.02)	0.10 (0.09, 0.12)	0.00 (0.00, 0.00)	-6.28 (-6.51, -6.05)
Puerto Rico	0.25 (0.21, 0.32)	0.02 (0.02, 0.02)	0.06 (0.05, 0.08)	0.01 (0.00, 0.01)	-4.25 (-4.88, -3.61)
Qatar	0.00 (0.00, 0.01)	0.00 (0.00, 0.00)	0.04 (0.01, 0.08)	0.00 (0.00, 0.01)	9.23 (7.93, 10.55)
Republic of Korea	10.23 (2.46, 23.49)	0.05 (0.01, 0.11)	0.65 (0.40, 1.71)	0.00 (0.00, 0.01)	-9.01 (-9.60, -8.43)
Republic of Moldova	0.42 (0.31, 0.59)	0.02 (0.02, 0.03)	0.09 (0.07, 0.10)	0.01 (0.01, 0.01)	-4.78 (-5.29, -4.28)
Romania	0.88 (0.66, 1.15)	0.01 (0.01, 0.01)	0.19 (0.16, 0.24)	0.00 (0.00, 0.00)	-3.79 (-4.16, -3.43)
Russian Federation	54.99 (50.86, 61.08)	0.09 (0.09, 0.10)	18.18 (17.03, 19.49)	0.04 (0.04, 0.04)	-3.56 (-3.90, -3.21)
Rwanda	12.96 (0.45, 36.88)	0.47 (0.02, 1.35)	14.18 (0.48, 50.84)	0.25 (0.01, 0.90)	-3.02 (-3.37, -2.67)
Saint Kitts and Nevis	0.02 (0.01, 0.02)	0.09 (0.07, 0.11)	0.01 (0.00, 0.01)	0.03 (0.02, 0.05)	-4.45 (-5.53, -3.35)
Saint Lucia	0.03 (0.02, 0.03)	0.04 (0.04, 0.06)	0.02 (0.01, 0.02)	0.02 (0.02, 0.03)	-2.57 (-3.02, -2.12)
Saint Vincent and the Grenadines	0.02 (0.01, 0.02)	0.04 (0.03, 0.04)	0.02 (0.02, 0.03)	0.05 (0.04, 0.06)	-0.16 (-1.09, 0.79)
Samoa	0.00 (0.00, 0.00)	0.00 (0.00, 0.00)	0.00 (0.00, 0.00)	0.00 (0.00, 0.00)	-2.82 (-2.93, -2.71)
San Marino	0.00 (0.00, 0.01)	0.05 (0.03, 0.10)	0.00 (0.00, 0.00)	0.02 (0.01, 0.03)	-2.67 (-2.96, -2.38)
Sao Tome and Principe	0.07 (0.00, 0.25)	0.17 (0.00, 0.59)	0.09 (0.01, 0.28)	0.10 (0.01, 0.31)	-1.92 (-2.44, -1.39)
Saudi Arabia	0.04 (0.01, 0.09)	0.00 (0.00, 0.00)	0.07 (0.02, 0.15)	0.00 (0.00, 0.00)	-0.30 (-1.21, 0.62)
Senegal	8.52 (0.31, 33.14)	0.31 (0.01, 1.20)	12.43 (0.64, 43.97)	0.19 (0.01, 0.68)	-1.19 (-1.39, -0.99)
Serbia	0.43 (0.19, 0.89)	0.01 (0.01, 0.02)	0.10 (0.06, 0.17)	0.00 (0.00, 0.01)	-4.26 (-4.51, -4.02)
Seychelles	0.00 (0.00, 0.01)	0.01 (0.00, 0.02)	0.00 (0.00, 0.00)	0.00 (0.00, 0.01)	-3.12 (-3.45, -2.78)
Sierra Leone	4.94 (0.10, 18.35)	0.31 (0.01, 1.15)	9.19 (0.26, 30.07)	0.25 (0.01, 0.81)	-0.82 (-0.91, -0.73)
Singapore	0.15 (0.13, 0.17)	0.01 (0.01, 0.01)	0.01 (0.00, 0.01)	0.00 (0.00, 0.00)	-11.72 (-12.44, -10.99)
Slovakia	0.54 (0.27, 0.92)	0.03 (0.01, 0.05)	0.14 (0.08, 0.28)	0.01 (0.00, 0.02)	-4.03 (-4.32, -3.73)
Slovenia	0.25 (0.21, 0.29)	0.03 (0.03, 0.04)	0.03 (0.02, 0.03)	0.00 (0.00, 0.01)	-6.55 (-7.04, -6.05)
Solomon Islands	0.00 (0.00, 0.00)	0.00 (0.00, 0.00)	0.00 (0.00, 0.00)	0.00 (0.00, 0.00)	-1.24 (-1.31, -1.16)
Somalia	16.33 (0.18, 67.44)	0.56 (0.01, 2.33)	45.72 (0.26, 208.74)	0.55 (0.00, 2.52)	-0.11 (-0.22, 0.00)
South Africa	64.36 (33.61, 115.67)	0.41 (0.21, 0.74)	40.63 (26.61, 65.76)	0.17 (0.11, 0.27)	-2.64 (-3.38, -1.90)
South Sudan	6.36 (0.21, 32.51)	0.28 (0.01, 1.41)	12.49 (0.27, 46.18)	0.35 (0.01, 1.28)	0.47 (0.09, 0.85)
Spain	2.37 (2.11, 2.67)	0.02 (0.01, 0.02)	0.34 (0.29, 0.39)	0.00 (0.00, 0.00)	-6.10 (-6.32, -5.88)
Sri Lanka	0.77 (0.30, 1.29)	0.01 (0.00, 0.02)	0.17 (0.09, 0.30)	0.00 (0.00, 0.00)	-5.83 (-6.16, -5.49)
Sudan	0.02 (0.00, 0.19)	0.00 (0.00, 0.00)	0.11 (0.00, 0.78)	0.00 (0.00, 0.00)	3.99 (3.24, 4.75)
Suriname	0.02 (0.01, 0.03)	0.01 (0.00, 0.02)	0.01 (0.01, 0.02)	0.00 (0.00, 0.01)	-3.47 (-3.76, -3.18)
Sweden	0.51 (0.45, 0.59)	0.02 (0.02, 0.02)	0.17 (0.14, 0.20)	0.01 (0.00, 0.01)	-2.47 (-3.18, -1.75)
Switzerland	0.53 (0.42, 0.62)	0.02 (0.02, 0.02)	0.10 (0.09, 0.11)	0.00 (0.00, 0.00)	-6.18 (-6.43, -5.93)
Syrian Arab Republic	0.68 (0.23, 1.92)	0.01 (0.00, 0.04)	0.58 (0.17, 1.31)	0.01 (0.00, 0.03)	-0.47 (-1.24, 0.31)

location	Number in 1990 (95% UI)	Rate in 1990 (95% UI)	Number in 2021 (95% UI)	Rate in 2021 (95% UI)	EAPC in ASMR between 1990 and 2021
Taiwan (Province of China)	7.58 (6.88, 8.43)	0.08 (0.07, 0.09)	0.20 (0.17, 0.23)	0.00 (0.00, 0.00)	-11.64 (-12.25, -11.03)
Tajikistan	1.45 (0.44, 4.34)	0.07 (0.02, 0.21)	1.62 (0.67, 4.03)	0.04 (0.02, 0.10)	-2.44 (-2.80, -2.08)
Thailand	4.75 (1.06, 9.76)	0.02 (0.00, 0.04)	1.77 (0.72, 2.88)	0.01 (0.00, 0.01)	-2.50 (-2.80, -2.20)
Timor-Leste	0.13 (0.01, 0.39)	0.04 (0.00, 0.12)	0.12 (0.03, 0.34)	0.02 (0.00, 0.06)	-2.25 (-2.93, -1.56)
Togo	3.94 (0.11, 14.43)	0.29 (0.01, 1.05)	7.10 (0.27, 23.14)	0.21 (0.01, 0.69)	-0.91 (-1.06, -0.77)
Tokelau	0.00 (0.00, 0.00)	0.00 (0.00, 0.00)	0.00 (0.00, 0.00)	0.00 (0.00, 0.00)	-3.20 (-3.66, -2.73)
Tonga	0.00 (0.00, 0.00)	0.00 (0.00, 0.00)	0.00 (0.00, 0.00)	0.00 (0.00, 0.00)	-3.14 (-3.22, -3.06)
Trinidad and Tobago	0.30 (0.24, 0.37)	0.06 (0.05, 0.07)	0.12 (0.08, 0.16)	0.02 (0.02, 0.03)	-3.85 (-4.27, -3.42)
Tunisia	0.00 (0.00, 0.03)	0.00 (0.00, 0.00)	0.01 (0.00, 0.07)	0.00 (0.00, 0.00)	3.95 (3.31, 4.60)
Turkey	0.41 (0.11, 1.51)	0.00 (0.00, 0.01)	0.19 (0.10, 0.34)	0.00 (0.00, 0.00)	-2.77 (-3.19, -2.35)
Turkmenistan	0.70 (0.40, 1.03)	0.05 (0.03, 0.07)	0.48 (0.24, 0.84)	0.02 (0.01, 0.04)	-2.84 (-3.30, -2.37)
Tuvalu	0.00 (0.00, 0.00)	0.00 (0.00, 0.00)	0.00 (0.00, 0.00)	0.00 (0.00, 0.00)	-4.80 (-5.12, -4.48)
Uganda	13.32 (0.35, 42.83)	0.21 (0.01, 0.67)	33.50 (1.38, 117.57)	0.19 (0.01, 0.68)	-0.97 (-1.36, -0.57)
Ukraine	8.10 (6.26, 11.64)	0.04 (0.03, 0.06)	5.31 (3.65, 7.45)	0.04 (0.03, 0.05)	-1.33 (-1.75, -0.91)
United Arab Emirates	0.26 (0.05, 0.78)	0.03 (0.01, 0.08)	0.19 (0.07, 0.34)	0.00 (0.00, 0.01)	-5.91 (-6.65, -5.16)
United Kingdom	5.07 (4.90, 5.22)	0.02 (0.02, 0.02)	2.63 (2.53, 2.74)	0.01 (0.01, 0.01)	-1.67 (-2.06, -1.27)
United Republic of Tanzania	32.43 (1.10, 91.30)	0.33 (0.01, 0.94)	48.80 (2.20, 168.83)	0.21 (0.01, 0.72)	-1.67 (-1.85, -1.50)
United States of America	23.74 (22.50, 24.81)	0.02 (0.02, 0.02)	11.50 (10.71, 12.35)	0.01 (0.01, 0.01)	-2.10 (-2.71, -1.49)
United States Virgin Islands	0.00 (0.00, 0.00)	0.00 (0.00, 0.00)	0.00 (0.00, 0.00)	0.00 (0.00, 0.00)	-0.59 (-1.19, 0.03)
Uruguay	0.22 (0.18, 0.28)	0.02 (0.02, 0.02)	0.11 (0.10, 0.14)	0.01 (0.01, 0.01)	-3.11 (-3.72, -2.49)
Uzbekistan	3.99 (2.60, 6.12)	0.05 (0.03, 0.07)	3.98 (2.75, 5.38)	0.03 (0.02, 0.04)	-1.81 (-2.08, -1.54)
Vanuatu	0.00 (0.00, 0.00)	0.00 (0.00, 0.00)	0.00 (0.00, 0.00)	0.00 (0.00, 0.00)	-2.36 (-2.53, -2.18)
Venezuela (Bolivarian Republic of)	1.12 (0.81, 1.48)	0.01 (0.01, 0.02)	0.54 (0.38, 0.80)	0.01 (0.00, 0.01)	-3.37 (-3.72, -3.02)
Viet Nam	8.31 (1.37, 23.02)	0.03 (0.00, 0.08)	2.36 (0.79, 5.54)	0.01 (0.00, 0.01)	-5.35 (-5.53, -5.18)
Yemen	0.01 (0.00, 0.05)	0.00 (0.00, 0.00)	0.06 (0.00, 0.52)	0.00 (0.00, 0.00)	5.59 (4.68, 6.51)
Zambia	8.64 (0.55, 21.18)	0.28 (0.02, 0.70)	27.08 (1.24, 83.10)	0.33 (0.02, 1.03)	0.87 (0.67, 1.07)
Zimbabwe	12.74 (5.76, 24.99)	0.32 (0.15, 0.63)	29.18 (11.16, 57.51)	0.46 (0.18, 0.91)	2.44 (1.87, 3.00)

**Abbreviation:** EAPC, estimated annual percentage change; ASMR, age-standardized rates for mortality; UI, uncertainty interval; SDI, socio-demographic index; GBD, global burden of disease.

**Supplementary Table SXVI. Lower respiratory infections mortality in 1990 and 2021 in adolescents and young adults and EAPC in ASMR by location**

location	Number in 1990 (95% UI)	Rate in 1990 (95% UI)	Number in 2021 (95% UI)	Rate in 2021 (95% UI)	EAPC in ASMR between 1990 and 2021
Global	91049.70 (83055.95, 97174.74)	4.15 (3.79, 4.43)	90512.68 (82518.59, 99022.83)	3.04 (2.77, 3.33)	-0.97 (-1.10, -0.84)
SDI regions					
High SDI	5700.35 (5541.08, 5862.86)	1.64 (1.60, 1.69)	3277.82 (3019.31, 3583.94)	0.93 (0.85, 1.01)	-1.40 (-1.69, -1.10)
High-middle SDI	10584.19 (9878.83, 11254.46)	2.34 (2.18, 2.49)	8015.55 (7531.75, 8526.12)	1.82 (1.71, 1.94)	-0.82 (-1.32, -0.32)
Middle SDI	31614.16 (28888.93, 33398.89)	4.20 (3.84, 4.44)	23354.59 (21775.47, 25094.04)	2.52 (2.35, 2.71)	-1.57 (-1.72, -1.43)
Low-middle SDI	24479.83 (22121.73, 27649.55)	5.40 (4.88, 6.10)	27574.66 (24368.77, 31297.54)	3.44 (3.04, 3.90)	-1.36 (-1.53, -1.20)
Low SDI	18587.39 (16003.37, 21068.08)	10.08 (8.68, 11.43)	28212.86 (24012.25, 32652.91)	6.28 (5.35, 7.27)	-1.57 (-1.67, -1.48)
GBD regions					
Central Asia	1522.80 (1457.50, 1590.99)	5.35 (5.12, 5.59)	1278.80 (1145.69, 1417.45)	3.42 (3.06, 3.79)	-2.09 (-2.57, -1.60)
East Asia	14529.72 (11817.40, 16501.81)	2.57 (2.09, 2.92)	3852.80 (3229.02, 4623.93)	0.80 (0.67, 0.97)	-4.47 (-4.81, -4.12)
South Asia	17645.64 (15708.44, 21363.71)	4.09 (3.64, 4.95)	17794.11 (15346.27, 21857.94)	2.25 (1.94, 2.76)	-1.97 (-2.24, -1.70)
Southeast Asia	10053.31 (8945.14, 11287.07)	5.10 (4.54, 5.73)	8765.44 (7817.51, 9880.02)	3.16 (2.82, 3.56)	-1.42 (-1.53, -1.31)
High-income Asia Pacific	977.07 (908.20, 1026.23)	1.45 (1.35, 1.52)	221.96 (212.30, 234.81)	0.44 (0.42, 0.46)	-3.40 (-3.65, -3.16)
Oceania	222.02 (175.12, 291.85)	8.36 (6.59, 10.99)	336.14 (257.21, 568.04)	5.97 (4.57, 10.08)	-0.94 (-1.04, -0.84)
Australasia	55.79 (51.92, 59.60)	0.68 (0.64, 0.73)	30.48 (28.26, 32.89)	0.29 (0.27, 0.31)	-2.22 (-2.62, -1.81)
Central Europe	1487.65 (1436.03, 1534.78)	3.18 (3.07, 3.28)	799.12 (746.10, 850.84)	2.28 (2.13, 2.43)	-0.89 (-1.28, -0.51)
Eastern Europe	2078.51 (2029.22, 2128.31)	2.42 (2.37, 2.48)	3438.23 (3086.28, 3803.55)	5.20 (4.66, 5.75)	1.67 (0.24, 3.12)
Western Europe	1672.72 (1628.87, 1711.32)	1.16 (1.13, 1.19)	560.54 (543.57, 577.14)	0.43 (0.42, 0.44)	-3.15 (-3.51, -2.79)
Andean Latin America	1235.38 (1117.48, 1384.78)	7.99 (7.23, 8.96)	1139.48 (912.90, 1378.91)	4.21 (3.37, 5.09)	-1.71 (-1.92, -1.50)
Central Latin America	3080.65 (2999.10, 3167.29)	4.51 (4.39, 4.64)	3193.85 (2904.36, 3545.98)	3.16 (2.87, 3.51)	-0.70 (-1.09, -0.31)
High-income North America	2099.88 (2046.06, 2155.26)	1.85 (1.81, 1.90)	1136.34 (1077.34, 1199.34)	0.92 (0.87, 0.97)	-1.60 (-2.05, -1.14)
Southern Latin America	509.43 (483.46, 538.25)	2.67 (2.53, 2.82)	742.45 (688.84, 799.95)	2.88 (2.67, 3.10)	1.54 (1.12, 1.96)
Tropical Latin America	3643.06 (3506.64, 3769.39)	5.66 (5.45, 5.86)	3187.14 (3024.61, 3391.41)	3.61 (3.43, 3.84)	-1.26 (-1.63, -0.88)
Caribbean	581.79 (488.94, 683.32)	3.91 (3.29, 4.60)	576.93 (451.83, 714.68)	3.17 (2.48, 3.93)	-0.41 (-0.62, -0.20)
Central Sub-Saharan Africa	2442.06 (1720.19, 3316.55)	11.76 (8.29, 15.97)	5125.62 (3614.71, 6946.44)	9.48 (6.68, 12.84)	-0.60 (-0.65, -0.54)
Eastern Sub-Saharan Africa	9784.70 (8402.62, 10979.51)	13.80 (11.85, 15.49)	14093.79 (12042.43, 16384.27)	8.05 (6.87, 9.35)	-1.89 (-2.00, -1.77)
North Africa and Middle East	5290.22 (4734.71, 6214.92)	3.95 (3.54, 4.64)	6174.22 (5257.81, 7201.38)	2.43 (2.07, 2.83)	-1.10 (-1.22, -0.97)
Southern Sub-Saharan Africa	5120.96 (4601.02, 5581.43)	23.69 (21.29, 25.82)	5383.97 (4674.72, 6187.99)	15.82 (13.73, 18.18)	-0.85 (-1.89, 0.20)
Western Sub-Saharan Africa	7016.35 (5529.20, 8182.07)	9.80 (7.73, 11.43)	12681.28 (9550.55, 15746.03)	6.63 (4.99, 8.24)	-1.04 (-1.14, -0.95)
Countries					
Afghanistan	278.08 (207.48, 397.12)	8.83 (6.59, 12.61)	689.91 (507.07, 910.74)	5.65 (4.15, 7.45)	-1.07 (-1.31, -0.83)
Albania	55.63 (47.81, 64.40)	3.92 (3.37, 4.53)	12.40 (9.54, 15.74)	1.31 (1.01, 1.66)	-3.22 (-3.70, -2.73)

location	Number in 1990 (95% UI)	Rate in 1990 (95% UI)	Number in 2021 (95% UI)	Rate in 2021 (95% UI)	EAPC in ASMR between 1990 and 2021
Algeria	314.59 (239.67, 470.13)	3.11 (2.37, 4.65)	296.12 (225.10, 416.57)	1.74 (1.32, 2.45)	-1.69 (-1.78, -1.59)
American Samoa	1.53 (1.23, 1.92)	7.57 (6.08, 9.48)	1.25 (0.92, 1.60)	7.17 (5.27, 9.14)	-0.21 (-0.30, -0.13)
Andorra	0.16 (0.12, 0.21)	0.64 (0.47, 0.84)	0.07 (0.05, 0.10)	0.29 (0.19, 0.39)	-1.79 (-2.18, -1.40)
Angola	440.27 (325.80, 563.15)	11.25 (8.33, 14.39)	982.11 (717.77, 1300.51)	8.07 (5.90, 10.69)	-0.81 (-1.00, -0.63)
Antigua and Barbuda	0.67 (0.61, 0.73)	2.59 (2.35, 2.84)	0.51 (0.45, 0.58)	1.47 (1.30, 1.67)	-1.06 (-1.63, -0.49)
Argentina	293.29 (275.18, 312.03)	2.40 (2.25, 2.55)	611.73 (562.74, 662.11)	3.49 (3.21, 3.78)	2.63 (2.15, 3.10)
Armenia	41.48 (37.63, 45.07)	2.89 (2.62, 3.14)	15.34 (12.92, 17.74)	1.43 (1.20, 1.65)	-3.15 (-3.65, -2.64)
Australia	44.99 (41.65, 48.61)	0.66 (0.62, 0.72)	27.23 (25.06, 29.42)	0.31 (0.29, 0.34)	-1.94 (-2.30, -1.59)
Austria	19.19 (17.68, 20.59)	0.64 (0.59, 0.69)	6.01 (5.51, 6.51)	0.21 (0.20, 0.23)	-3.71 (-4.07, -3.34)
Azerbaijan	172.58 (140.27, 209.81)	5.43 (4.41, 6.60)	99.70 (69.18, 133.65)	2.35 (1.63, 3.16)	-3.66 (-4.17, -3.14)
Bahamas	5.45 (4.90, 6.03)	4.62 (4.15, 5.11)	4.95 (3.96, 6.34)	3.20 (2.56, 4.10)	-1.19 (-1.39, -0.98)
Bahrain	5.15 (4.34, 6.11)	2.01 (1.69, 2.38)	9.19 (7.39, 11.23)	1.31 (1.05, 1.60)	-1.07 (-1.26, -0.88)
Bangladesh	2129.04 (1735.22, 2509.53)	5.04 (4.11, 5.95)	1258.23 (952.47, 1644.11)	1.83 (1.38, 2.39)	-3.39 (-3.63, -3.14)
Barbados	2.91 (2.67, 3.17)	2.67 (2.45, 2.90)	1.56 (1.20, 2.04)	1.58 (1.21, 2.07)	-2.16 (-2.67, -1.64)
Belarus	69.22 (62.84, 76.25)	1.75 (1.59, 1.93)	90.89 (72.61, 115.18)	3.10 (2.48, 3.93)	0.69 (-0.35, 1.74)
Belgium	46.10 (43.29, 49.22)	1.24 (1.16, 1.32)	19.84 (18.19, 21.64)	0.57 (0.52, 0.62)	-2.96 (-3.32, -2.60)
Belize	2.26 (2.07, 2.47)	3.09 (2.83, 3.38)	6.13 (5.44, 6.89)	3.25 (2.88, 3.65)	-0.08 (-0.75, 0.60)
Benin	184.70 (143.44, 230.18)	10.85 (8.42, 13.52)	368.08 (252.15, 504.67)	7.02 (4.81, 9.63)	-1.31 (-1.46, -1.15)
Bermuda	0.34 (0.31, 0.38)	1.32 (1.20, 1.47)	0.13 (0.11, 0.16)	0.75 (0.61, 0.93)	-2.22 (-2.55, -1.88)
Bhutan	7.43 (4.19, 11.05)	2.76 (1.56, 4.10)	4.33 (2.41, 6.87)	1.25 (0.70, 1.98)	-2.75 (-2.86, -2.65)
Bolivia (Plurinational State of)	236.59 (189.12, 289.55)	9.59 (7.67, 11.74)	191.33 (134.57, 263.40)	3.89 (2.74, 5.36)	-2.78 (-2.94, -2.62)
Bosnia and Herzegovina	31.23 (26.32, 37.55)	1.64 (1.39, 1.98)	8.10 (5.73, 10.28)	0.80 (0.57, 1.02)	-2.03 (-2.36, -1.70)
Botswana	110.38 (65.27, 160.25)	21.44 (12.68, 31.13)	112.23 (71.07, 157.22)	10.53 (6.67, 14.76)	-1.92 (-2.25, -1.59)
Brazil	3601.91 (3467.34, 3727.68)	5.74 (5.53, 5.94)	3118.93 (2956.75, 3324.98)	3.66 (3.47, 3.90)	-1.27 (-1.65, -0.89)
Brunei Darussalam	4.66 (3.85, 5.41)	3.78 (3.12, 4.39)	2.88 (2.38, 3.40)	1.41 (1.16, 1.67)	-3.13 (-3.41, -2.86)
Bulgaria	160.21 (149.11, 171.60)	5.38 (5.01, 5.76)	64.05 (55.21, 72.38)	3.37 (2.91, 3.81)	-1.40 (-1.97, -0.83)
Burkina Faso	327.08 (245.74, 410.69)	10.26 (7.71, 12.88)	648.47 (475.25, 843.81)	7.49 (5.49, 9.75)	-0.68 (-0.86, -0.50)
Burundi	393.01 (289.07, 518.50)	18.96 (13.94, 25.01)	542.82 (396.27, 731.26)	10.30 (7.52, 13.87)	-2.30 (-2.51, -2.08)
Cabo Verde	12.40 (10.36, 15.01)	9.48 (7.92, 11.48)	13.58 (10.53, 18.26)	5.42 (4.20, 7.28)	-1.75 (-2.10, -1.41)
Cambodia	567.11 (455.54, 685.44)	14.73 (11.83, 17.80)	548.76 (397.73, 773.21)	7.58 (5.49, 10.68)	-2.07 (-2.22, -1.92)
Cameroon	412.63 (300.73, 553.00)	10.85 (7.91, 14.54)	1084.31 (692.41, 1556.69)	8.41 (5.37, 12.07)	-0.60 (-0.79, -0.41)
Canada	132.35 (123.20, 141.12)	1.19 (1.11, 1.27)	80.98 (73.64, 89.03)	0.68 (0.62, 0.75)	-1.70 (-2.14, -1.25)
Central African Republic	171.88 (128.81, 221.54)	16.51 (12.37, 21.27)	315.52 (222.40, 430.85)	14.45 (10.19, 19.73)	-0.47 (-0.59, -0.36)
Chad	236.48 (163.75, 324.06)	11.27 (7.80, 15.44)	646.76 (475.68, 848.27)	10.28 (7.56, 13.48)	-0.12 (-0.29, 0.05)
Chile	197.50 (182.85, 214.36)	3.45 (3.19, 3.74)	105.93 (96.56, 116.02)	1.50 (1.36, 1.64)	-2.26 (-2.86, -1.67)

location	Number in 1990 (95% UI)	Rate in 1990 (95% UI)	Number in 2021 (95% UI)	Rate in 2021 (95% UI)	EAPC in ASMR between 1990 and 2021
China	14036.40 (11377.09, 15975.42)	2.56 (2.08, 2.91)	3553.43 (2938.05, 4305.51)	0.77 (0.64, 0.93)	-4.67 (-5.03, -4.30)
Colombia	448.42 (422.14, 475.90)	3.19 (3.00, 3.39)	408.26 (357.91, 470.69)	2.03 (1.78, 2.34)	-0.65 (-1.15, -0.13)
Comoros	21.61 (9.25, 32.03)	12.51 (5.36, 18.54)	25.31 (17.75, 33.79)	8.17 (5.73, 10.91)	-2.13 (-2.86, -1.38)
Congo	111.26 (76.39, 148.73)	11.74 (8.06, 15.70)	188.78 (124.37, 271.39)	8.52 (5.61, 12.25)	-1.12 (-1.36, -0.88)
Cook Islands	0.97 (0.74, 1.28)	12.53 (9.63, 16.60)	0.39 (0.29, 0.51)	6.58 (4.94, 8.73)	-1.83 (-2.14, -1.53)
Costa Rica	21.16 (19.65, 22.84)	1.65 (1.53, 1.78)	30.79 (27.76, 33.61)	1.62 (1.46, 1.77)	-0.16 (-0.66, 0.33)
Coted'Ivoire	511.15 (395.71, 647.48)	10.81 (8.37, 13.69)	915.30 (593.91, 1305.37)	8.16 (5.30, 11.64)	-0.47 (-0.65, -0.29)
Croatia	35.84 (33.18, 38.53)	1.97 (1.83, 2.12)	11.53 (10.22, 12.61)	0.92 (0.82, 1.01)	-2.43 (-2.78, -2.08)
Cuba	113.30 (106.27, 120.67)	2.32 (2.18, 2.47)	68.15 (59.27, 77.10)	1.90 (1.65, 2.15)	-1.46 (-1.95, -0.97)
Cyprus	1.83 (1.56, 2.12)	0.59 (0.51, 0.69)	1.05 (0.85, 1.28)	0.21 (0.17, 0.25)	-3.58 (-4.13, -3.02)
Czechia	93.80 (88.15, 100.53)	2.53 (2.38, 2.71)	54.89 (49.17, 60.45)	1.86 (1.67, 2.05)	-0.64 (-1.08, -0.20)
Democratic People's Republic of Korea	281.94 (190.91, 410.76)	3.38 (2.29, 4.92)	224.72 (162.55, 319.55)	2.23 (1.62, 3.18)	-1.28 (-1.36, -1.21)
Democratic Republic of the Congo	1662.61 (1013.13, 2534.31)	11.61 (7.07, 17.69)	3545.93 (2280.11, 5163.73)	9.83 (6.32, 14.31)	-0.43 (-0.52, -0.35)
Denmark	20.05 (18.63, 21.38)	1.05 (0.98, 1.12)	6.23 (5.74, 6.71)	0.34 (0.32, 0.37)	-3.84 (-4.27, -3.40)
Djibouti	15.64 (10.73, 22.09)	8.92 (6.12, 12.60)	37.39 (24.44, 56.98)	6.91 (4.52, 10.54)	-0.92 (-1.29, -0.55)
Dominica	0.68 (0.59, 0.80)	2.33 (2.02, 2.73)	0.56 (0.43, 0.71)	2.17 (1.65, 2.76)	0.20 (0.01, 0.38)
Dominican Republic	81.98 (68.67, 95.65)	2.67 (2.24, 3.11)	92.24 (73.70, 115.62)	2.03 (1.62, 2.54)	0.31 (-0.10, 0.72)
Ecuador	195.61 (183.40, 207.56)	4.74 (4.44, 5.03)	202.72 (164.40, 247.77)	2.78 (2.25, 3.39)	-1.08 (-1.77, -0.40)
Egypt	1446.65 (1262.90, 1612.96)	6.60 (5.76, 7.36)	1376.33 (1119.45, 1676.66)	3.26 (2.65, 3.97)	-1.82 (-2.14, -1.50)
El Salvador	100.21 (86.29, 117.78)	4.80 (4.13, 5.64)	89.24 (69.04, 113.39)	3.44 (2.66, 4.37)	-0.61 (-0.98, -0.24)
Equatorial Guinea	20.00 (14.76, 26.22)	13.25 (9.78, 17.36)	46.97 (28.55, 71.15)	6.75 (4.10, 10.23)	-2.48 (-2.75, -2.21)
Eritrea	280.12 (159.84, 457.81)	21.62 (12.33, 35.33)	432.09 (224.77, 745.48)	15.43 (8.03, 26.62)	-0.99 (-1.11, -0.87)
Estonia	16.92 (15.61, 18.30)	2.98 (2.75, 3.22)	7.27 (6.31, 8.36)	1.84 (1.60, 2.11)	-2.39 (-3.25, -1.53)
Eswatini	49.27 (38.01, 61.71)	16.35 (12.61, 20.48)	91.35 (54.57, 128.89)	17.94 (10.72, 25.32)	1.08 (0.30, 1.86)
Ethiopia	3405.25 (2704.67, 4114.07)	18.64 (14.80, 22.52)	2830.75 (2261.93, 3411.19)	6.11 (4.88, 7.36)	-4.16 (-4.39, -3.94)
Fiji	34.05 (28.06, 40.48)	10.56 (8.70, 12.55)	21.01 (15.56, 26.54)	5.89 (4.36, 7.44)	-1.58 (-1.72, -1.44)
Finland	30.95 (28.61, 33.14)	1.70 (1.58, 1.83)	8.72 (8.04, 9.40)	0.52 (0.48, 0.56)	-3.60 (-3.90, -3.29)
France	218.02 (202.49, 233.32)	0.99 (0.92, 1.06)	67.28 (61.96, 73.01)	0.34 (0.31, 0.37)	-3.33 (-3.63, -3.04)
Gabon	36.03 (25.46, 48.07)	9.37 (6.62, 12.50)	46.31 (27.57, 72.54)	6.18 (3.68, 9.68)	-1.45 (-1.63, -1.27)
Gambia	50.33 (35.75, 66.79)	13.35 (9.48, 17.71)	120.49 (86.71, 161.85)	12.05 (8.67, 16.18)	-0.38 (-0.66, -0.10)
Georgia	116.21 (102.32, 132.13)	5.46 (4.81, 6.21)	30.65 (26.15, 35.90)	2.70 (2.30, 3.16)	-2.49 (-3.13, -1.84)
Germany	309.67 (288.77, 332.96)	1.04 (0.97, 1.12)	87.85 (80.69, 95.99)	0.35 (0.32, 0.38)	-2.78 (-3.03, -2.53)
Ghana	564.07 (418.27, 760.16)	9.83 (7.29, 13.24)	1289.80 (926.61, 1740.14)	9.02 (6.48, 12.17)	0.52 (0.17, 0.87)
Greece	37.30 (34.85, 39.75)	0.99 (0.93, 1.06)	16.02 (14.80, 17.34)	0.58 (0.53, 0.62)	-1.12 (-1.51, -0.74)
Greenland	0.82 (0.63, 1.08)	3.11 (2.38, 4.08)	0.22 (0.14, 0.32)	1.06 (0.69, 1.59)	-3.79 (-4.09, -3.49)

location	Number in 1990 (95% UI)	Rate in 1990 (95% UI)	Number in 2021 (95% UI)	Rate in 2021 (95% UI)	EAPC in ASMR between 1990 and 2021
Grenada	2.18 (1.96, 2.40)	6.53 (5.89, 7.19)	1.32 (1.12, 1.55)	3.25 (2.76, 3.83)	-1.95 (-2.20, -1.70)
Guam	2.67 (2.22, 3.19)	4.22 (3.50, 5.02)	1.73 (1.47, 2.07)	3.12 (2.66, 3.73)	-0.32 (-0.68, 0.04)
Guatemala	751.15 (708.16, 794.26)	25.43 (23.97, 26.89)	409.23 (353.74, 468.62)	6.01 (5.20, 6.88)	-4.68 (-5.05, -4.30)
Guinea	245.34 (173.26, 333.41)	11.94 (8.43, 16.23)	581.43 (430.10, 810.98)	11.25 (8.32, 15.70)	0.12 (-0.00, 0.23)
Guinea-Bissau	79.12 (62.00, 100.51)	21.34 (16.72, 27.10)	130.42 (94.67, 169.39)	15.46 (11.22, 20.07)	-0.76 (-0.84, -0.68)
Guyana	17.34 (14.45, 19.80)	5.09 (4.25, 5.82)	14.78 (11.28, 18.86)	4.76 (3.63, 6.07)	-0.53 (-1.10, 0.05)
Haiti	241.94 (151.93, 339.03)	9.94 (6.24, 13.93)	322.52 (206.32, 454.29)	5.88 (3.76, 8.28)	-1.10 (-1.29, -0.91)
Honduras	84.76 (70.17, 99.09)	4.91 (4.06, 5.74)	88.08 (51.00, 130.02)	2.00 (1.16, 2.96)	-3.11 (-3.43, -2.79)
Hungary	75.71 (69.49, 82.83)	2.05 (1.88, 2.24)	25.63 (22.53, 28.57)	0.93 (0.82, 1.04)	-2.52 (-3.20, -1.83)
Iceland	1.32 (1.22, 1.42)	1.27 (1.17, 1.37)	0.78 (0.68, 0.90)	0.65 (0.57, 0.75)	-2.08 (-2.48, -1.67)
India	14234.94 (12404.03, 17922.03)	4.17 (3.64, 5.26)	14434.55 (12443.30, 17949.97)	2.37 (2.04, 2.95)	-1.88 (-2.18, -1.57)
Indonesia	2627.92 (2131.03, 3238.93)	3.37 (2.73, 4.15)	1659.55 (1308.82, 2190.80)	1.46 (1.15, 1.92)	-2.74 (-3.00, -2.48)
Iran (Islamic Republic of)	523.04 (472.99, 608.39)	2.41 (2.18, 2.80)	646.31 (580.66, 712.45)	1.86 (1.67, 2.05)	-0.43 (-0.64, -0.21)
Iraq	195.47 (155.68, 246.60)	2.72 (2.17, 3.43)	231.93 (172.95, 333.95)	1.33 (0.99, 1.92)	-2.03 (-2.36, -1.71)
Ireland	23.56 (22.00, 25.21)	1.72 (1.60, 1.84)	9.46 (8.57, 10.41)	0.60 (0.55, 0.67)	-3.25 (-3.75, -2.74)
Israel	13.81 (12.90, 14.80)	0.72 (0.68, 0.77)	9.47 (8.69, 10.23)	0.28 (0.26, 0.31)	-2.60 (-3.00, -2.20)
Italy	178.74 (172.24, 185.71)	0.84 (0.81, 0.87)	45.64 (43.54, 47.74)	0.29 (0.28, 0.30)	-3.02 (-3.47, -2.58)
Jamaica	9.60 (8.79, 10.46)	0.98 (0.89, 1.06)	12.14 (9.19, 15.96)	1.02 (0.77, 1.34)	-1.31 (-2.31, -0.30)
Japan	539.37 (527.64, 550.55)	1.20 (1.18, 1.23)	134.39 (130.37, 138.19)	0.41 (0.40, 0.43)	-2.98 (-3.40, -2.55)
Jordan	52.53 (42.34, 65.54)	3.42 (2.75, 4.26)	81.05 (63.23, 100.46)	1.51 (1.18, 1.87)	-2.64 (-2.84, -2.43)
Kazakhstan	265.34 (249.88, 281.34)	3.91 (3.68, 4.14)	241.15 (214.00, 268.96)	3.46 (3.07, 3.86)	-0.74 (-1.62, 0.15)
Kenya	672.92 (501.17, 859.10)	7.68 (5.72, 9.81)	1406.32 (1074.92, 1848.99)	6.50 (4.96, 8.54)	-0.03 (-0.37, 0.30)
Kiribati	3.22 (2.61, 4.00)	10.55 (8.56, 13.09)	4.73 (3.62, 6.22)	9.52 (7.28, 12.52)	-0.46 (-0.53, -0.38)
Kuwait	21.36 (18.92, 23.88)	2.53 (2.24, 2.83)	37.23 (31.44, 44.33)	1.75 (1.48, 2.09)	-0.76 (-1.37, -0.15)
Kyrgyzstan	101.39 (93.86, 110.15)	5.62 (5.20, 6.11)	76.15 (62.95, 91.45)	2.80 (2.31, 3.36)	-3.20 (-3.65, -2.74)
Lao People's Democratic Republic	193.30 (136.66, 241.59)	12.51 (8.85, 15.64)	157.23 (112.93, 218.81)	4.90 (3.52, 6.82)	-3.05 (-3.20, -2.91)
Latvia	27.55 (25.64, 29.40)	2.89 (2.69, 3.08)	13.30 (11.53, 15.16)	2.47 (2.14, 2.82)	-1.29 (-2.11, -0.46)
Lebanon	50.50 (39.96, 66.42)	4.38 (3.47, 5.76)	55.00 (44.89, 67.82)	2.37 (1.93, 2.92)	-1.75 (-1.85, -1.64)
Lesotho	70.71 (49.46, 95.15)	13.11 (9.17, 17.63)	169.56 (120.27, 221.38)	20.38 (14.46, 26.61)	3.00 (2.31, 3.69)
Liberia	85.49 (64.77, 111.90)	9.27 (7.02, 12.13)	185.44 (127.31, 260.78)	8.26 (5.67, 11.61)	-0.02 (-0.25, 0.20)
Libya	45.74 (35.19, 64.18)	2.72 (2.09, 3.82)	78.74 (60.51, 106.42)	2.62 (2.02, 3.55)	0.82 (0.46, 1.17)
Lithuania	30.28 (27.61, 33.01)	2.17 (1.98, 2.37)	18.94 (16.43, 21.85)	2.35 (2.04, 2.71)	0.17 (-0.78, 1.13)
Luxembourg	1.57 (1.44, 1.72)	1.06 (0.97, 1.17)	0.47 (0.41, 0.52)	0.21 (0.19, 0.24)	-5.55 (-5.98, -5.12)
Madagascar	837.16 (700.68, 973.43)	18.48 (15.47, 21.49)	1544.90 (1167.50, 1982.52)	13.19 (9.97, 16.93)	-0.93 (-1.03, -0.84)
Malawi	463.80 (347.49, 577.54)	12.41 (9.30, 15.46)	744.90 (561.01, 965.08)	9.10 (6.86, 11.79)	-1.04 (-1.30, -0.78)

location	Number in 1990 (95% UI)	Rate in 1990 (95% UI)	Number in 2021 (95% UI)	Rate in 2021 (95% UI)	EAPC in ASMR between 1990 and 2021
Malaysia	465.15 (402.60, 547.79)	6.27 (5.42, 7.38)	777.13 (664.07, 889.53)	5.59 (4.78, 6.40)	-0.56 (-0.81, -0.30)
Maldives	3.39 (2.61, 4.03)	4.17 (3.21, 4.96)	2.86 (2.20, 3.52)	1.10 (0.85, 1.35)	-4.08 (-4.34, -3.82)
Mali	324.81 (248.26, 394.03)	10.88 (8.31, 13.20)	581.57 (408.06, 811.29)	6.53 (4.58, 9.11)	-1.41 (-1.53, -1.28)
Malta	1.59 (1.46, 1.71)	1.15 (1.06, 1.24)	0.68 (0.60, 0.75)	0.51 (0.45, 0.56)	-2.08 (-2.50, -1.65)
Marshall Islands	2.91 (2.43, 3.45)	16.94 (14.18, 20.09)	3.57 (2.66, 4.76)	15.03 (11.20, 20.07)	-0.21 (-0.32, -0.11)
Mauritania	77.62 (61.57, 94.70)	10.10 (8.01, 12.32)	91.37 (68.91, 123.72)	5.35 (4.04, 7.25)	-1.91 (-1.99, -1.83)
Mauritius	19.40 (18.01, 20.72)	3.90 (3.62, 4.17)	14.03 (12.84, 15.15)	3.08 (2.82, 3.33)	-0.40 (-0.94, 0.13)
Mexico	1292.47 (1258.15, 1332.78)	3.62 (3.53, 3.74)	1776.28 (1581.55, 1969.93)	3.45 (3.07, 3.82)	0.56 (-0.16, 1.29)
Micronesia (Federated States of)	7.01 (5.23, 8.93)	17.49 (13.05, 22.30)	5.41 (3.88, 7.30)	12.73 (9.13, 17.20)	-0.98 (-1.07, -0.89)
Monaco	0.13 (0.11, 0.17)	1.47 (1.16, 1.85)	0.10 (0.06, 0.14)	1.03 (0.69, 1.50)	-0.80 (-1.12, -0.48)
Mongolia	46.05 (35.54, 56.36)	5.21 (4.02, 6.38)	36.54 (29.10, 45.36)	2.90 (2.31, 3.59)	-2.08 (-2.45, -1.71)
Montenegro	3.49 (2.91, 4.22)	1.39 (1.16, 1.68)	1.52 (1.20, 1.90)	0.74 (0.58, 0.92)	-1.63 (-2.10, -1.15)
Morocco	345.09 (254.98, 504.83)	3.32 (2.45, 4.86)	256.07 (179.29, 421.90)	1.74 (1.22, 2.87)	-1.77 (-2.05, -1.49)
Mozambique	427.99 (321.56, 542.94)	9.02 (6.78, 11.45)	1129.99 (772.12, 1534.31)	9.40 (6.42, 12.76)	0.86 (0.60, 1.12)
Myanmar	1620.22 (1258.56, 2058.81)	9.44 (7.33, 11.99)	853.07 (641.03, 1132.44)	3.79 (2.85, 5.04)	-3.03 (-3.25, -2.80)
Namibia	95.15 (63.06, 133.63)	17.02 (11.28, 23.90)	130.88 (76.45, 203.73)	12.52 (7.32, 19.49)	-1.02 (-1.46, -0.58)
Nauru	0.80 (0.61, 1.02)	19.74 (15.14, 25.24)	0.79 (0.58, 1.09)	16.91 (12.50, 23.33)	-0.55 (-0.80, -0.29)
Nepal	354.92 (242.02, 507.64)	4.86 (3.31, 6.95)	248.15 (160.98, 356.25)	1.85 (1.20, 2.66)	-2.99 (-3.11, -2.88)
Netherlands	50.86 (47.67, 53.96)	0.84 (0.79, 0.89)	20.50 (19.11, 22.08)	0.39 (0.36, 0.42)	-2.77 (-3.22, -2.33)
New Zealand	10.80 (10.07, 11.60)	0.78 (0.73, 0.84)	3.25 (2.97, 3.54)	0.18 (0.16, 0.20)	-3.87 (-5.07, -2.65)
Nicaragua	42.98 (37.67, 47.97)	2.91 (2.55, 3.25)	44.48 (36.98, 54.16)	1.56 (1.30, 1.90)	-1.40 (-1.74, -1.05)
Niger	329.21 (239.64, 430.42)	11.83 (8.61, 15.46)	648.58 (460.36, 939.76)	7.27 (5.16, 10.54)	-1.61 (-1.77, -1.44)
Nigeria	2974.88 (2135.13, 3814.48)	8.71 (6.25, 11.17)	4246.12 (2651.45, 6157.03)	4.72 (2.95, 6.85)	-2.00 (-2.15, -1.85)
Niue	0.08 (0.06, 0.11)	10.02 (7.47, 14.06)	0.06 (0.05, 0.07)	10.10 (8.50, 12.34)	-1.08 (-1.41, -0.75)
North Macedonia	10.24 (8.49, 12.05)	1.29 (1.07, 1.52)	4.09 (3.10, 5.23)	0.53 (0.41, 0.68)	-2.51 (-2.82, -2.20)
Northern Mariana Islands	1.74 (1.15, 2.40)	7.43 (4.92, 10.23)	0.70 (0.56, 0.86)	4.26 (3.41, 5.19)	-1.85 (-2.04, -1.67)
Norway	13.13 (12.64, 13.69)	0.82 (0.79, 0.86)	3.53 (3.34, 3.71)	0.20 (0.19, 0.21)	-4.37 (-4.70, -4.03)
Oman	28.26 (21.29, 38.05)	3.41 (2.57, 4.59)	35.14 (28.12, 43.54)	1.52 (1.21, 1.88)	-1.20 (-1.67, -0.73)
Pakistan	919.30 (679.99, 1189.12)	2.25 (1.67, 2.91)	1848.85 (1268.86, 2541.40)	1.87 (1.28, 2.57)	-0.77 (-1.07, -0.48)
Palau	0.83 (0.61, 1.09)	11.87 (8.73, 15.64)	0.73 (0.59, 0.92)	12.43 (9.96, 15.63)	0.37 (0.24, 0.50)
Palestine	25.98 (19.68, 34.10)	3.38 (2.56, 4.44)	40.21 (33.10, 47.31)	1.84 (1.52, 2.17)	-1.50 (-1.83, -1.17)
Panama	24.21 (22.61, 25.89)	2.39 (2.23, 2.56)	28.83 (23.58, 34.02)	1.75 (1.43, 2.06)	-0.60 (-0.89, -0.32)
Papua New Guinea	105.43 (73.06, 169.07)	6.37 (4.41, 10.21)	203.96 (136.01, 418.46)	4.77 (3.18, 9.78)	-0.71 (-0.85, -0.58)
Paraguay	41.16 (33.83, 48.59)	2.63 (2.16, 3.10)	68.21 (51.23, 89.17)	2.23 (1.67, 2.91)	0.13 (-0.18, 0.44)
Peru	803.18 (698.76, 919.32)	9.05 (7.88, 10.36)	745.43 (565.43, 943.98)	5.02 (3.80, 6.35)	-1.58 (-1.85, -1.32)

location	Number in 1990 (95% UI)	Rate in 1990 (95% UI)	Number in 2021 (95% UI)	Rate in 2021 (95% UI)	EAPC in ASMR between 1990 and 2021
Philippines	2764.28 (2504.41, 2971.44)	10.67 (9.66, 11.46)	2957.30 (2444.78, 3458.16)	6.26 (5.17, 7.32)	-1.19 (-1.40, -0.99)
Poland	305.27 (294.03, 317.15)	2.11 (2.04, 2.20)	319.88 (293.12, 347.11)	2.64 (2.42, 2.87)	1.53 (1.01, 2.05)
Portugal	94.00 (87.42, 101.16)	2.48 (2.31, 2.67)	23.28 (21.25, 25.51)	0.79 (0.72, 0.86)	-4.36 (-4.97, -3.74)
Puerto Rico	57.49 (51.91, 63.04)	4.06 (3.67, 4.46)	11.25 (9.50, 13.36)	1.09 (0.92, 1.29)	-3.85 (-4.17, -3.53)
Qatar	4.47 (3.47, 5.73)	1.89 (1.47, 2.42)	12.57 (9.56, 16.75)	0.76 (0.58, 1.01)	-1.93 (-2.49, -1.36)
Republic of Korea	361.82 (296.13, 407.52)	1.72 (1.41, 1.94)	62.49 (52.79, 74.92)	0.39 (0.33, 0.47)	-4.34 (-4.75, -3.92)
Republic of Moldova	81.66 (75.74, 88.09)	4.69 (4.35, 5.05)	58.36 (52.23, 65.11)	4.71 (4.21, 5.25)	0.20 (-0.38, 0.79)
Romania	495.44 (462.23, 530.03)	5.70 (5.32, 6.10)	221.77 (196.98, 244.99)	4.12 (3.66, 4.55)	-1.21 (-1.69, -0.72)
Russian Federation	1396.65 (1372.37, 1423.74)	2.40 (2.36, 2.45)	2261.83 (2092.66, 2429.62)	4.87 (4.50, 5.23)	1.61 (-0.06, 3.31)
Rwanda	560.89 (424.54, 724.66)	20.47 (15.49, 26.44)	380.98 (252.10, 536.58)	6.72 (4.45, 9.46)	-4.58 (-5.00, -4.17)
Saint Kitts and Nevis	0.78 (0.69, 0.86)	4.53 (4.01, 5.00)	0.40 (0.30, 0.55)	1.76 (1.32, 2.42)	-3.82 (-4.45, -3.18)
Saint Lucia	1.65 (1.52, 1.78)	2.93 (2.70, 3.16)	1.45 (1.21, 1.71)	2.19 (1.83, 2.59)	-1.12 (-1.39, -0.85)
Saint Vincent and the Grenadines	1.36 (1.24, 1.48)	2.96 (2.71, 3.22)	1.15 (0.99, 1.34)	2.78 (2.39, 3.23)	-0.67 (-1.12, -0.22)
Samoa	6.22 (4.73, 8.21)	9.28 (7.07, 12.26)	6.99 (4.99, 9.56)	8.70 (6.21, 11.90)	-0.09 (-0.32, 0.13)
San Marino	0.05 (0.04, 0.06)	0.51 (0.42, 0.60)	0.01 (0.01, 0.02)	0.16 (0.09, 0.24)	-2.54 (-2.95, -2.12)
Sao Tome and Principe	5.76 (3.22, 7.89)	13.41 (7.50, 18.39)	10.16 (6.68, 14.71)	11.18 (7.35, 16.18)	-0.78 (-1.35, -0.21)
Saudi Arabia	324.83 (236.39, 434.89)	4.89 (3.56, 6.54)	740.29 (525.99, 1009.80)	4.00 (2.84, 5.45)	0.27 (-0.02, 0.56)
Senegal	263.14 (200.96, 320.36)	9.54 (7.28, 11.61)	401.64 (304.55, 530.28)	6.23 (4.72, 8.22)	-0.98 (-1.18, -0.77)
Serbia	62.35 (50.39, 76.60)	1.74 (1.40, 2.13)	20.12 (15.41, 25.36)	0.68 (0.52, 0.86)	-2.32 (-2.51, -2.13)
Seychelles	2.92 (2.56, 3.39)	9.36 (8.19, 10.85)	1.91 (1.56, 2.29)	4.97 (4.05, 5.97)	-0.99 (-1.34, -0.62)
Sierra Leone	165.40 (114.50, 220.42)	10.35 (7.17, 13.80)	365.01 (248.67, 518.02)	9.79 (6.67, 13.89)	0.28 (0.08, 0.49)
Singapore	71.21 (66.40, 75.99)	4.72 (4.40, 5.03)	22.21 (20.51, 24.10)	1.15 (1.07, 1.25)	-4.85 (-5.09, -4.61)
Slovakia	111.80 (95.23, 130.13)	5.46 (4.65, 6.36)	35.60 (28.85, 43.34)	2.08 (1.69, 2.53)	-2.09 (-2.34, -1.84)
Slovenia	22.86 (20.99, 25.12)	2.98 (2.74, 3.28)	7.92 (6.91, 9.07)	1.39 (1.21, 1.59)	-2.67 (-3.13, -2.20)
Solomon Islands	29.31 (17.61, 39.82)	22.85 (13.73, 31.05)	53.34 (39.46, 73.86)	19.50 (14.43, 27.00)	-0.54 (-0.65, -0.42)
Somalia	489.15 (354.00, 681.66)	16.87 (12.21, 23.51)	1093.80 (784.96, 1516.71)	13.19 (9.47, 18.29)	-0.72 (-0.84, -0.60)
South Africa	4357.66 (3878.14, 4799.01)	27.69 (24.65, 30.50)	3607.86 (3123.93, 4092.95)	14.88 (12.88, 16.88)	-1.83 (-3.01, -0.62)
South Sudan	233.75 (164.95, 322.58)	10.13 (7.15, 13.97)	362.21 (256.50, 505.68)	10.06 (7.13, 14.05)	-0.19 (-0.56, 0.17)
Spain	249.44 (230.65, 269.04)	1.68 (1.56, 1.81)	46.35 (41.94, 50.96)	0.37 (0.34, 0.41)	-4.51 (-4.75, -4.27)
Sri Lanka	373.08 (324.61, 424.58)	5.05 (4.39, 5.74)	179.93 (122.37, 239.55)	2.23 (1.52, 2.97)	-2.78 (-3.10, -2.46)
Sudan	390.39 (265.18, 555.76)	5.12 (3.48, 7.29)	540.30 (320.18, 786.45)	2.92 (1.73, 4.25)	-1.38 (-1.54, -1.21)
Suriname	6.17 (4.70, 7.17)	3.79 (2.89, 4.40)	5.87 (4.75, 7.19)	2.73 (2.21, 3.35)	-1.03 (-1.31, -0.75)
Sweden	31.02 (29.10, 32.87)	1.06 (0.99, 1.12)	7.94 (6.89, 9.10)	0.24 (0.21, 0.28)	-3.94 (-4.42, -3.45)
Switzerland	24.21 (22.72, 25.86)	0.92 (0.86, 0.98)	6.25 (5.83, 6.70)	0.22 (0.21, 0.24)	-4.83 (-5.14, -4.52)
Syrian Arab Republic	187.51 (146.72, 239.03)	3.91 (3.06, 4.98)	130.31 (94.34, 174.47)	2.56 (1.85, 3.43)	-0.62 (-0.96, -0.28)

location	Number in 1990 (95% UI)	Rate in 1990 (95% UI)	Number in 2021 (95% UI)	Rate in 2021 (95% UI)	EAPC in ASMR between 1990 and 2021
Taiwan (Province of China)	211.38 (198.74, 223.98)	2.29 (2.15, 2.43)	74.65 (67.77, 81.86)	0.99 (0.90, 1.09)	-2.12 (-2.36, -1.88)
Tajikistan	207.61 (178.62, 242.05)	9.82 (8.45, 11.45)	215.98 (162.73, 284.38)	5.18 (3.90, 6.82)	-3.30 (-3.86, -2.74)
Thailand	601.04 (436.67, 953.86)	2.32 (1.68, 3.68)	923.21 (705.18, 1161.39)	4.35 (3.33, 5.48)	1.94 (1.36, 2.53)
Timor-Leste	21.90 (15.39, 30.16)	6.88 (4.83, 9.47)	23.33 (15.87, 32.18)	4.08 (2.78, 5.63)	-1.49 (-2.23, -0.74)
Togo	166.52 (125.80, 214.55)	12.15 (9.18, 15.65)	352.61 (253.50, 461.96)	10.48 (7.53, 13.73)	-0.22 (-0.38, -0.07)
Tokelau	0.07 (0.05, 0.09)	11.92 (8.24, 16.30)	0.06 (0.05, 0.07)	12.22 (10.32, 15.08)	-1.02 (-1.46, -0.58)
Tonga	2.43 (1.88, 3.04)	6.58 (5.10, 8.25)	2.61 (1.93, 3.50)	6.70 (4.95, 9.00)	0.29 (0.20, 0.39)
Trinidad and Tobago	15.06 (14.04, 16.09)	3.00 (2.80, 3.21)	11.92 (9.07, 15.13)	2.39 (1.82, 3.04)	-1.26 (-1.63, -0.88)
Tunisia	68.77 (52.72, 99.19)	2.00 (1.53, 2.88)	68.03 (50.03, 94.84)	1.56 (1.15, 2.18)	-0.56 (-0.69, -0.43)
Turkey	811.53 (663.95, 991.75)	3.39 (2.78, 4.15)	481.23 (384.01, 588.15)	1.51 (1.21, 1.85)	-2.04 (-2.41, -1.68)
Turkmenistan	94.86 (86.20, 103.66)	6.18 (5.62, 6.75)	104.75 (81.43, 136.75)	5.04 (3.91, 6.57)	-1.23 (-1.85, -0.60)
Tuvalu	0.64 (0.51, 0.80)	17.87 (14.24, 22.27)	0.54 (0.41, 0.68)	10.80 (8.24, 13.66)	-1.60 (-1.74, -1.47)
Uganda	478.68 (324.52, 676.00)	7.46 (5.06, 10.54)	1208.00 (869.08, 1593.69)	7.02 (5.05, 9.27)	-0.92 (-1.36, -0.47)
Ukraine	456.23 (417.34, 496.51)	2.40 (2.20, 2.61)	987.64 (688.32, 1295.71)	7.16 (4.99, 9.40)	2.07 (1.08, 3.06)
United Arab Emirates	24.83 (18.32, 34.56)	2.60 (1.92, 3.62)	45.50 (32.30, 61.77)	1.13 (0.80, 1.54)	-2.04 (-2.36, -1.72)
United Kingdom	304.67 (300.50, 308.93)	1.46 (1.44, 1.48)	172.51 (167.62, 177.34)	0.79 (0.77, 0.82)	-2.76 (-3.51, -2.02)
United Republic of Tanzania	1108.74 (877.31, 1358.58)	11.44 (9.05, 14.02)	1590.87 (1174.51, 2064.74)	6.82 (5.03, 8.85)	-1.82 (-1.96, -1.67)
United States of America	1966.66 (1914.79, 2020.56)	1.92 (1.87, 1.98)	1055.13 (996.82, 1115.15)	0.95 (0.90, 1.00)	-1.59 (-2.06, -1.12)
United States Virgin Islands	0.93 (0.76, 1.11)	2.35 (1.92, 2.81)	0.40 (0.29, 0.50)	1.72 (1.27, 2.18)	0.02 (-0.30, 0.35)
Uruguay	18.61 (17.30, 19.99)	1.64 (1.52, 1.76)	24.75 (22.77, 26.97)	2.07 (1.90, 2.25)	1.43 (1.12, 1.74)
Uzbekistan	477.29 (448.33, 506.97)	5.56 (5.22, 5.91)	458.55 (397.49, 525.01)	3.34 (2.89, 3.82)	-2.16 (-2.77, -1.55)
Vanuatu	7.94 (5.87, 10.53)	13.56 (10.01, 17.98)	13.20 (10.13, 17.23)	10.59 (8.12, 13.82)	-0.80 (-0.92, -0.68)
Venezuela (Bolivarian Republic of)	315.29 (296.88, 333.04)	3.94 (3.71, 4.16)	318.66 (247.50, 402.97)	3.40 (2.64, 4.30)	0.22 (-0.32, 0.76)
Viet Nam	779.07 (566.94, 1050.21)	2.73 (1.99, 3.68)	654.91 (494.20, 922.20)	1.71 (1.29, 2.40)	-1.11 (-1.27, -0.94)
Yemen	142.57 (86.27, 211.51)	3.10 (1.88, 4.60)	316.97 (193.70, 479.63)	2.30 (1.41, 3.49)	-0.61 (-0.95, -0.26)
Zambia	389.00 (303.98, 471.31)	12.82 (10.02, 15.53)	751.19 (519.30, 1009.04)	9.28 (6.42, 12.47)	-1.33 (-1.61, -1.05)
Zimbabwe	437.79 (354.98, 543.44)	11.04 (8.95, 13.71)	1272.08 (910.47, 1710.20)	20.07 (14.37, 26.98)	3.12 (2.17, 4.08)

**Abbreviation:** EAPC, estimated annual percentage change; ASMR, age-standardized rates for mortality; UI, uncertainty interval; SDI, socio-demographic index; GBD, global burden of disease.

**Supplementary Table SXVII. 7** Tracheal, bronchus, and lung cancer mortality in 1990 and 2021 in adolescents and young adults and EAPC in ASMR by location

location	Number in 1990 (95% UI)	Rate in 1990 (95% UI)	Number in 2021 (95% UI)	Rate in 2021 (95% UI)	EAPC in ASMR between 1990 and 2021
Global	23309.08 (21547.97, 25180.14)	1.06 (0.98, 1.15)	22622.06 (20309.22, 24901.45)	0.76 (0.68, 0.84)	-1.45 (-1.61, -1.30)
SDI regions					
High SDI	4127.47 (4009.22, 4243.15)	1.19 (1.16, 1.22)	2154.70 (2043.80, 2282.90)	0.61 (0.58, 0.65)	-2.44 (-2.59, -2.30)
High-middle SDI	8318.29 (7486.27, 9201.60)	1.84 (1.65, 2.03)	6290.14 (5352.92, 7350.95)	1.43 (1.22, 1.67)	-1.38 (-1.58, -1.17)
Middle SDI	8545.74 (7672.25, 9511.79)	1.14 (1.02, 1.26)	9276.16 (7937.82, 10510.50)	1.00 (0.86, 1.13)	-0.81 (-1.02, -0.61)
Low-middle SDI	1906.63 (1709.07, 2143.67)	0.42 (0.38, 0.47)	3849.95 (3454.85, 4378.91)	0.48 (0.43, 0.55)	0.40 (0.33, 0.46)
Low SDI	387.61 (321.29, 480.59)	0.21 (0.17, 0.26)	1034.13 (845.89, 1269.74)	0.23 (0.19, 0.28)	0.34 (0.31, 0.38)
GBD regions					
Central Asia	462.33 (432.35, 491.15)	1.62 (1.52, 1.73)	281.31 (248.45, 320.54)	0.75 (0.66, 0.86)	-3.01 (-3.21, -2.81)
East Asia	10853.25 (9315.05, 12479.48)	1.92 (1.65, 2.21)	9844.57 (7941.57, 11842.94)	2.06 (1.66, 2.47)	-0.43 (-0.73, -0.13)
South Asia	1374.83 (1197.62, 1614.66)	0.32 (0.28, 0.37)	3046.27 (2665.93, 3532.18)	0.39 (0.34, 0.45)	0.58 (0.43, 0.72)
Southeast Asia	1618.86 (1410.14, 1802.85)	0.82 (0.72, 0.92)	2753.98 (2239.28, 3317.00)	0.99 (0.81, 1.20)	0.28 (0.03, 0.52)
High-income Asia Pacific	673.55 (628.02, 725.42)	1.00 (0.93, 1.07)	234.64 (213.34, 261.21)	0.46 (0.42, 0.52)	-2.45 (-2.63, -2.26)
Oceania	17.71 (12.20, 26.59)	0.67 (0.46, 1.00)	45.37 (32.84, 64.62)	0.81 (0.58, 1.15)	0.55 (0.45, 0.64)
Australasia	49.57 (44.29, 55.85)	0.61 (0.54, 0.68)	44.24 (38.03, 52.06)	0.42 (0.36, 0.50)	-1.42 (-1.67, -1.17)
Central Europe	859.52 (814.26, 910.24)	1.83 (1.74, 1.94)	320.57 (290.03, 348.25)	0.92 (0.83, 0.99)	-2.26 (-2.57, -1.95)
Eastern Europe	1456.58 (1406.20, 1520.83)	1.70 (1.64, 1.77)	575.46 (522.08, 632.29)	0.87 (0.79, 0.96)	-2.63 (-2.88, -2.37)
Western Europe	1665.40 (1587.78, 1748.60)	1.16 (1.10, 1.21)	771.56 (726.49, 820.02)	0.59 (0.56, 0.63)	-2.21 (-2.32, -2.09)
Andean Latin America	124.58 (107.67, 146.95)	0.81 (0.70, 0.95)	168.78 (131.05, 207.68)	0.62 (0.48, 0.77)	-1.01 (-1.24, -0.78)
Central Latin America	468.73 (453.23, 485.16)	0.69 (0.66, 0.71)	486.60 (427.99, 548.88)	0.48 (0.42, 0.54)	-1.17 (-1.26, -1.08)
High-income North America	1388.89 (1352.93, 1427.48)	1.23 (1.19, 1.26)	565.59 (545.06, 587.66)	0.46 (0.44, 0.48)	-3.76 (-4.01, -3.51)
Southern Latin America	239.47 (214.07, 265.17)	1.26 (1.12, 1.39)	172.78 (151.51, 198.24)	0.67 (0.59, 0.77)	-1.93 (-2.17, -1.68)
Tropical Latin America	430.32 (409.99, 453.19)	0.67 (0.64, 0.70)	550.69 (520.48, 584.94)	0.62 (0.59, 0.66)	-0.29 (-0.39, -0.19)
Caribbean	119.38 (109.36, 129.40)	0.80 (0.74, 0.87)	113.93 (95.17, 135.26)	0.63 (0.52, 0.74)	-0.86 (-0.98, -0.75)
Central Sub-Saharan Africa	55.47 (38.76, 80.06)	0.27 (0.19, 0.39)	142.00 (95.49, 218.37)	0.26 (0.18, 0.40)	-0.00 (-0.23, 0.23)
Eastern Sub-Saharan Africa	133.72 (114.33, 161.55)	0.19 (0.16, 0.23)	344.62 (279.01, 440.95)	0.20 (0.16, 0.25)	0.07 (-0.08, 0.21)
North Africa and Middle East	1049.97 (853.53, 1251.19)	0.78 (0.64, 0.93)	1699.33 (1471.92, 1974.63)	0.67 (0.58, 0.78)	-0.39 (-0.60, -0.17)
Southern Sub-Saharan Africa	191.67 (161.97, 221.76)	0.89 (0.75, 1.03)	224.71 (187.71, 269.73)	0.66 (0.55, 0.79)	-1.32 (-1.81, -0.83)
Western Sub-Saharan Africa	75.27 (61.33, 91.94)	0.11 (0.09, 0.13)	235.05 (175.20, 308.55)	0.12 (0.09, 0.16)	0.71 (0.58, 0.83)
Countries					
Afghanistan	13.27 (6.84, 21.45)	0.42 (0.22, 0.68)	72.24 (46.68, 102.52)	0.59 (0.38, 0.84)	2.00 (1.55, 2.46)
Albania	12.48 (8.95, 17.08)	0.88 (0.63, 1.20)	7.90 (5.18, 11.08)	0.83 (0.55, 1.17)	-0.67 (-1.04, -0.30)

location	Number in 1990 (95% UI)	Rate in 1990 (95% UI)	Number in 2021 (95% UI)	Rate in 2021 (95% UI)	EAPC in ASMR between 1990 and 2021
Algeria	24.47 (18.65, 31.40)	0.24 (0.18, 0.31)	42.71 (30.97, 58.84)	0.25 (0.18, 0.35)	-0.08 (-0.28, 0.11)
American Samoa	0.25 (0.18, 0.33)	1.22 (0.91, 1.64)	0.23 (0.16, 0.31)	1.34 (0.91, 1.78)	0.43 (0.31, 0.54)
Andorra	0.26 (0.18, 0.39)	1.05 (0.72, 1.56)	0.17 (0.11, 0.26)	0.67 (0.44, 1.00)	-1.01 (-1.38, -0.64)
Angola	12.84 (8.33, 18.72)	0.33 (0.21, 0.48)	41.33 (28.04, 58.84)	0.34 (0.23, 0.48)	0.45 (0.23, 0.67)
Antigua and Barbuda	0.09 (0.08, 0.10)	0.36 (0.32, 0.40)	0.07 (0.07, 0.08)	0.22 (0.19, 0.24)	-0.29 (-0.84, 0.27)
Argentina	179.79 (159.03, 203.88)	1.47 (1.30, 1.67)	122.06 (103.68, 142.06)	0.70 (0.59, 0.81)	-2.28 (-2.56, -2.00)
Armenia	34.38 (31.50, 37.18)	2.39 (2.19, 2.59)	9.63 (8.57, 10.83)	0.90 (0.80, 1.01)	-3.98 (-4.41, -3.54)
Australia	41.18 (36.05, 47.19)	0.61 (0.53, 0.70)	35.24 (29.74, 42.08)	0.41 (0.34, 0.49)	-1.42 (-1.65, -1.18)
Austria	26.57 (23.22, 30.10)	0.89 (0.77, 1.00)	13.43 (11.54, 15.66)	0.48 (0.41, 0.55)	-2.12 (-2.36, -1.87)
Azerbaijan	49.20 (40.32, 60.42)	1.55 (1.27, 1.90)	41.54 (28.89, 58.08)	0.98 (0.68, 1.37)	-2.56 (-3.05, -2.08)
Bahamas	0.81 (0.73, 0.89)	0.68 (0.62, 0.76)	1.34 (1.05, 1.71)	0.87 (0.68, 1.11)	0.50 (0.23, 0.78)
Bahrain	2.31 (1.84, 2.93)	0.90 (0.72, 1.14)	5.62 (4.30, 7.38)	0.80 (0.61, 1.05)	-0.66 (-0.97, -0.35)
Bangladesh	110.03 (71.64, 176.07)	0.26 (0.17, 0.42)	195.67 (129.82, 341.48)	0.28 (0.19, 0.50)	0.06 (-0.17, 0.29)
Barbados	0.46 (0.42, 0.51)	0.42 (0.38, 0.46)	0.34 (0.27, 0.44)	0.35 (0.28, 0.44)	-0.66 (-0.96, -0.36)
Belarus	50.54 (42.19, 60.19)	1.28 (1.07, 1.53)	20.16 (15.28, 26.24)	0.69 (0.52, 0.89)	-3.37 (-3.75, -2.98)
Belgium	53.89 (46.16, 62.19)	1.45 (1.24, 1.67)	26.25 (22.58, 30.70)	0.75 (0.64, 0.88)	-2.24 (-2.46, -2.02)
Belize	0.24 (0.22, 0.26)	0.32 (0.30, 0.36)	0.90 (0.77, 1.03)	0.47 (0.41, 0.55)	1.41 (0.85, 1.98)
Benin	2.97 (2.08, 4.06)	0.17 (0.12, 0.24)	10.58 (6.43, 16.31)	0.20 (0.12, 0.31)	0.63 (0.47, 0.80)
Bermuda	0.34 (0.28, 0.41)	1.31 (1.08, 1.60)	0.14 (0.10, 0.18)	0.80 (0.58, 1.05)	-1.46 (-1.60, -1.32)
Bhutan	0.53 (0.29, 0.81)	0.20 (0.11, 0.30)	1.00 (0.60, 1.57)	0.29 (0.17, 0.45)	0.99 (0.92, 1.07)
Bolivia (Plurinational State of)	16.76 (12.49, 22.27)	0.68 (0.51, 0.90)	27.73 (18.17, 39.80)	0.56 (0.37, 0.81)	-0.93 (-1.23, -0.62)
Bosnia and Herzegovina	26.68 (20.08, 35.12)	1.40 (1.06, 1.85)	9.46 (6.20, 13.26)	0.94 (0.62, 1.32)	-1.68 (-1.98, -1.38)
Botswana	2.12 (1.36, 3.25)	0.41 (0.26, 0.63)	5.13 (3.28, 7.49)	0.48 (0.31, 0.70)	0.26 (0.02, 0.50)
Brazil	424.71 (404.84, 447.26)	0.68 (0.65, 0.71)	537.18 (507.14, 573.13)	0.63 (0.59, 0.67)	-0.30 (-0.40, -0.19)
Brunei Darussalam	1.58 (1.10, 2.30)	1.28 (0.89, 1.86)	2.14 (1.57, 2.86)	1.05 (0.77, 1.40)	-0.75 (-1.06, -0.43)
Bulgaria	59.76 (49.51, 70.92)	2.01 (1.66, 2.38)	28.90 (22.31, 36.53)	1.52 (1.17, 1.92)	0.06 (-0.51, 0.64)
Burkina Faso	4.70 (3.12, 7.42)	0.15 (0.10, 0.23)	16.64 (10.78, 26.62)	0.19 (0.12, 0.31)	1.28 (0.99, 1.57)
Burundi	4.64 (3.26, 6.31)	0.22 (0.16, 0.30)	9.72 (6.13, 15.37)	0.18 (0.12, 0.29)	-1.14 (-1.61, -0.68)
Cabo Verde	1.10 (0.87, 1.41)	0.84 (0.67, 1.08)	1.82 (1.33, 2.58)	0.73 (0.53, 1.03)	-0.34 (-0.56, -0.11)
Cambodia	30.79 (22.14, 41.52)	0.80 (0.57, 1.08)	71.14 (47.11, 107.23)	0.98 (0.65, 1.48)	0.34 (0.19, 0.48)
Cameroon	9.07 (6.77, 11.84)	0.24 (0.18, 0.31)	40.15 (24.30, 58.42)	0.31 (0.19, 0.45)	1.10 (0.98, 1.22)
Canada	134.79 (123.03, 146.91)	1.21 (1.11, 1.32)	59.37 (53.22, 65.94)	0.50 (0.45, 0.56)	-4.06 (-4.54, -3.57)
Central African Republic	3.28 (1.99, 5.75)	0.32 (0.19, 0.55)	6.58 (3.48, 12.87)	0.30 (0.16, 0.59)	-0.33 (-0.44, -0.21)
Chad	2.75 (1.86, 4.02)	0.13 (0.09, 0.19)	11.92 (8.13, 17.12)	0.19 (0.13, 0.27)	1.67 (1.52, 1.82)
Chile	40.71 (35.37, 46.89)	0.71 (0.62, 0.82)	35.13 (29.23, 42.50)	0.50 (0.41, 0.60)	-1.23 (-1.36, -1.09)

location	Number in 1990 (95% UI)	Rate in 1990 (95% UI)	Number in 2021 (95% UI)	Rate in 2021 (95% UI)	EAPC in ASMR between 1990 and 2021
China	10611.56 (9037.34, 12245.12)	1.94 (1.65, 2.23)	9602.68 (7629.04, 11650.46)	2.08 (1.65, 2.52)	-0.43 (-0.74, -0.12)
Colombia	114.79 (104.51, 126.82)	0.82 (0.74, 0.90)	92.77 (76.04, 110.37)	0.46 (0.38, 0.55)	-1.77 (-1.98, -1.57)
Comoros	0.36 (0.20, 0.54)	0.21 (0.11, 0.31)	0.87 (0.57, 1.24)	0.28 (0.18, 0.40)	0.56 (0.09, 1.03)
Congo	4.17 (2.73, 5.93)	0.44 (0.29, 0.63)	10.23 (6.45, 15.65)	0.46 (0.29, 0.71)	0.18 (-0.03, 0.40)
Cook Islands	0.09 (0.06, 0.13)	1.17 (0.84, 1.66)	0.07 (0.04, 0.10)	1.13 (0.74, 1.72)	0.21 (0.01, 0.41)
Costa Rica	4.50 (3.92, 5.16)	0.35 (0.31, 0.40)	7.52 (6.31, 9.01)	0.40 (0.33, 0.47)	-0.05 (-0.30, 0.20)
Coted'Ivoire	4.71 (3.53, 6.40)	0.10 (0.07, 0.14)	14.08 (8.63, 21.19)	0.13 (0.08, 0.19)	0.81 (0.68, 0.94)
Croatia	29.48 (24.72, 34.81)	1.62 (1.36, 1.92)	10.11 (8.00, 12.48)	0.81 (0.64, 1.00)	-2.33 (-2.73, -1.93)
Cuba	62.33 (55.74, 69.21)	1.28 (1.14, 1.42)	28.60 (23.93, 33.61)	0.80 (0.67, 0.94)	-1.94 (-2.21, -1.67)
Cyprus	1.12 (0.77, 1.54)	0.36 (0.25, 0.50)	2.00 (1.43, 2.73)	0.40 (0.29, 0.54)	0.10 (-0.32, 0.52)
Czechia	53.97 (45.59, 64.38)	1.45 (1.23, 1.73)	23.40 (19.27, 28.79)	0.79 (0.65, 0.97)	-1.16 (-1.72, -0.59)
Democratic People's Republic of Korea	119.55 (77.80, 182.61)	1.43 (0.93, 2.19)	161.29 (88.57, 283.94)	1.60 (0.88, 2.82)	0.05 (-0.13, 0.23)
Democratic Republic of the Congo	32.94 (21.06, 52.03)	0.23 (0.15, 0.36)	77.53 (45.09, 137.74)	0.21 (0.12, 0.38)	-0.25 (-0.62, 0.12)
Denmark	22.87 (20.71, 25.14)	1.20 (1.09, 1.32)	10.86 (9.39, 12.36)	0.60 (0.52, 0.68)	-2.47 (-2.75, -2.19)
Djibouti	0.34 (0.23, 0.49)	0.19 (0.13, 0.28)	1.74 (1.06, 2.77)	0.32 (0.20, 0.51)	1.72 (1.51, 1.92)
Dominica	0.12 (0.10, 0.14)	0.40 (0.33, 0.48)	0.17 (0.12, 0.23)	0.64 (0.46, 0.87)	1.71 (1.59, 1.84)
Dominican Republic	17.32 (13.99, 21.50)	0.56 (0.46, 0.70)	35.77 (24.41, 47.37)	0.79 (0.54, 1.04)	1.74 (1.47, 2.00)
Ecuador	25.56 (22.68, 28.36)	0.62 (0.55, 0.69)	37.90 (29.21, 48.39)	0.52 (0.40, 0.66)	-0.74 (-1.19, -0.30)
Egypt	134.32 (110.06, 162.41)	0.61 (0.50, 0.74)	383.58 (292.70, 504.88)	0.91 (0.69, 1.20)	1.86 (1.46, 2.25)
El Salvador	10.86 (9.33, 12.52)	0.52 (0.45, 0.60)	14.17 (10.99, 18.20)	0.55 (0.42, 0.70)	0.18 (-0.04, 0.40)
Equatorial Guinea	0.48 (0.30, 0.79)	0.32 (0.20, 0.52)	2.96 (1.73, 4.72)	0.43 (0.25, 0.68)	1.19 (1.03, 1.34)
Eritrea	2.86 (2.03, 4.03)	0.22 (0.16, 0.31)	9.39 (5.93, 13.74)	0.34 (0.21, 0.49)	1.34 (1.17, 1.51)
Estonia	8.60 (7.18, 10.16)	1.51 (1.26, 1.79)	2.23 (1.67, 2.79)	0.56 (0.42, 0.71)	-3.98 (-4.33, -3.62)
Eswatini	1.03 (0.61, 1.73)	0.34 (0.20, 0.57)	3.54 (1.83, 5.59)	0.70 (0.36, 1.10)	2.64 (2.04, 3.24)
Ethiopia	55.97 (40.71, 72.13)	0.31 (0.22, 0.39)	99.42 (79.31, 121.79)	0.21 (0.17, 0.26)	-1.40 (-1.70, -1.09)
Fiji	1.41 (1.04, 1.91)	0.44 (0.32, 0.59)	1.49 (1.02, 2.12)	0.42 (0.29, 0.59)	-0.11 (-0.57, 0.35)
Finland	16.52 (14.24, 19.30)	0.91 (0.78, 1.06)	9.24 (7.79, 11.18)	0.55 (0.47, 0.67)	-1.46 (-1.70, -1.23)
France	325.60 (283.76, 378.83)	1.48 (1.29, 1.72)	178.66 (154.18, 206.24)	0.90 (0.78, 1.04)	-1.71 (-1.83, -1.59)
Gabon	1.75 (1.12, 2.66)	0.46 (0.29, 0.69)	3.37 (2.04, 5.17)	0.45 (0.27, 0.69)	-0.23 (-0.39, -0.08)
Gambia	0.28 (0.19, 0.38)	0.07 (0.05, 0.10)	0.89 (0.57, 1.34)	0.09 (0.06, 0.13)	0.38 (0.13, 0.64)
Georgia	45.68 (39.66, 52.78)	2.15 (1.86, 2.48)	12.37 (10.59, 14.54)	1.09 (0.93, 1.28)	-2.33 (-2.67, -2.00)
Germany	357.56 (308.89, 409.19)	1.20 (1.04, 1.38)	125.40 (108.69, 145.84)	0.50 (0.43, 0.58)	-3.05 (-3.20, -2.91)
Ghana	11.45 (8.03, 15.17)	0.20 (0.14, 0.26)	23.08 (16.08, 32.71)	0.16 (0.11, 0.23)	-1.18 (-1.57, -0.80)
Greece	55.43 (50.60, 60.74)	1.47 (1.35, 1.62)	23.02 (21.07, 25.08)	0.83 (0.76, 0.90)	-1.76 (-1.96, -1.57)
Greenland	0.93 (0.68, 1.24)	3.53 (2.57, 4.69)	0.27 (0.17, 0.38)	1.34 (0.81, 1.88)	-4.02 (-4.40, -3.63)

location	Number in 1990 (95% UI)	Rate in 1990 (95% UI)	Number in 2021 (95% UI)	Rate in 2021 (95% UI)	EAPC in ASMR between 1990 and 2021
Grenada	0.21 (0.18, 0.25)	0.63 (0.53, 0.75)	0.17 (0.14, 0.22)	0.43 (0.34, 0.54)	-0.68 (-0.99, -0.37)
Guam	0.92 (0.80, 1.05)	1.45 (1.26, 1.65)	0.96 (0.82, 1.12)	1.73 (1.48, 2.02)	0.76 (0.51, 1.00)
Guatemala	19.72 (18.43, 21.13)	0.67 (0.62, 0.72)	26.28 (22.52, 30.59)	0.39 (0.33, 0.45)	-2.12 (-2.38, -1.86)
Guinea	4.17 (3.03, 5.58)	0.20 (0.15, 0.27)	13.33 (8.39, 19.28)	0.26 (0.16, 0.37)	0.80 (0.75, 0.85)
Guinea-Bissau	1.04 (0.74, 1.43)	0.28 (0.20, 0.39)	3.06 (2.05, 4.44)	0.36 (0.24, 0.53)	1.13 (0.91, 1.36)
Guyana	0.89 (0.71, 1.08)	0.26 (0.21, 0.32)	1.13 (0.80, 1.54)	0.36 (0.26, 0.49)	1.22 (0.64, 1.81)
Haiti	12.59 (7.69, 17.11)	0.52 (0.32, 0.70)	24.27 (15.33, 36.13)	0.44 (0.28, 0.66)	-0.22 (-0.51, 0.07)
Honduras	13.52 (10.70, 17.12)	0.78 (0.62, 0.99)	27.02 (13.99, 44.56)	0.61 (0.32, 1.01)	-1.26 (-1.52, -1.01)
Hungary	118.94 (100.06, 141.07)	3.22 (2.71, 3.82)	28.62 (22.18, 36.28)	1.04 (0.81, 1.32)	-3.90 (-4.24, -3.55)
Iceland	0.89 (0.76, 1.02)	0.85 (0.74, 0.98)	1.02 (0.87, 1.22)	0.85 (0.72, 1.02)	0.58 (0.15, 1.02)
India	1099.36 (949.89, 1288.26)	0.32 (0.28, 0.38)	2305.96 (1992.47, 2670.07)	0.38 (0.33, 0.44)	0.53 (0.37, 0.69)
Indonesia	624.08 (470.81, 762.84)	0.80 (0.60, 0.98)	1158.66 (804.01, 1609.89)	1.02 (0.71, 1.41)	0.77 (0.59, 0.94)
Iran (Islamic Republic of)	138.84 (110.89, 164.09)	0.64 (0.51, 0.76)	298.84 (268.39, 337.17)	0.86 (0.77, 0.97)	1.21 (1.01, 1.42)
Iraq	32.86 (22.94, 46.77)	0.46 (0.32, 0.65)	79.73 (55.83, 115.71)	0.46 (0.32, 0.66)	0.56 (0.24, 0.88)
Ireland	11.38 (9.78, 13.17)	0.83 (0.71, 0.96)	10.95 (9.32, 13.01)	0.70 (0.60, 0.83)	0.16 (-0.11, 0.43)
Israel	11.82 (9.98, 13.70)	0.62 (0.52, 0.72)	12.77 (10.82, 15.01)	0.38 (0.33, 0.45)	-1.44 (-1.70, -1.18)
Italy	226.93 (214.78, 239.83)	1.06 (1.01, 1.12)	88.62 (82.46, 94.18)	0.56 (0.52, 0.60)	-1.97 (-2.23, -1.71)
Jamaica	4.21 (3.45, 5.12)	0.43 (0.35, 0.52)	6.61 (4.75, 8.89)	0.55 (0.40, 0.75)	-0.54 (-1.13, 0.05)
Japan	387.09 (376.32, 398.76)	0.86 (0.84, 0.89)	131.70 (127.40, 136.17)	0.41 (0.39, 0.42)	-1.98 (-2.34, -1.61)
Jordan	6.08 (4.60, 7.81)	0.40 (0.30, 0.51)	22.40 (16.20, 31.26)	0.42 (0.30, 0.58)	0.49 (0.30, 0.68)
Kazakhstan	166.12 (152.56, 181.36)	2.45 (2.25, 2.67)	54.02 (48.57, 59.65)	0.78 (0.70, 0.86)	-4.14 (-4.45, -3.83)
Kenya	4.94 (3.28, 7.38)	0.06 (0.04, 0.08)	21.16 (15.49, 29.45)	0.10 (0.07, 0.14)	1.99 (1.79, 2.19)
Kiribati	0.25 (0.19, 0.34)	0.83 (0.63, 1.12)	0.56 (0.37, 0.78)	1.13 (0.75, 1.57)	0.77 (0.61, 0.93)
Kuwait	2.67 (2.22, 3.22)	0.32 (0.26, 0.38)	8.28 (6.51, 10.50)	0.39 (0.31, 0.49)	-1.05 (-1.70, -0.40)
Kyrgyzstan	29.50 (25.09, 34.24)	1.64 (1.39, 1.90)	18.54 (14.40, 22.89)	0.68 (0.53, 0.84)	-3.13 (-3.40, -2.86)
Lao People's Democratic Republic	13.54 (8.52, 20.51)	0.88 (0.55, 1.33)	31.18 (20.22, 47.86)	0.97 (0.63, 1.49)	0.12 (0.01, 0.24)
Latvia	12.09 (10.55, 13.87)	1.27 (1.11, 1.45)	3.88 (3.08, 4.69)	0.72 (0.57, 0.87)	-2.77 (-3.07, -2.47)
Lebanon	8.26 (5.90, 11.13)	0.72 (0.51, 0.97)	15.73 (11.07, 21.50)	0.68 (0.48, 0.93)	0.16 (-0.11, 0.42)
Lesotho	1.20 (0.79, 1.92)	0.22 (0.15, 0.36)	5.39 (3.35, 8.11)	0.65 (0.40, 0.98)	4.55 (4.12, 4.98)
Liberia	1.68 (1.19, 2.43)	0.18 (0.13, 0.26)	4.77 (2.72, 8.10)	0.21 (0.12, 0.36)	1.29 (0.68, 1.91)
Libya	10.97 (7.38, 15.68)	0.65 (0.44, 0.93)	26.65 (17.52, 39.16)	0.89 (0.58, 1.31)	1.65 (1.34, 1.96)
Lithuania	17.05 (14.82, 19.51)	1.22 (1.06, 1.40)	5.46 (4.40, 6.69)	0.68 (0.55, 0.83)	-2.15 (-2.42, -1.89)
Luxembourg	2.05 (1.87, 2.28)	1.39 (1.26, 1.55)	1.10 (0.97, 1.23)	0.50 (0.44, 0.56)	-3.74 (-4.06, -3.42)
Madagascar	9.14 (6.84, 11.65)	0.20 (0.15, 0.26)	24.59 (17.48, 34.32)	0.21 (0.15, 0.29)	0.16 (0.04, 0.29)
Malawi	2.05 (1.55, 2.85)	0.05 (0.04, 0.08)	6.03 (4.16, 8.44)	0.07 (0.05, 0.10)	1.04 (0.82, 1.25)

location	Number in 1990 (95% UI)	Rate in 1990 (95% UI)	Number in 2021 (95% UI)	Rate in 2021 (95% UI)	EAPC in ASMR between 1990 and 2021
Malaysia	34.79 (27.43, 43.34)	0.47 (0.37, 0.58)	83.95 (64.91, 104.62)	0.60 (0.47, 0.75)	0.32 (0.09, 0.56)
Maldives	0.38 (0.22, 0.54)	0.46 (0.27, 0.67)	1.03 (0.73, 1.38)	0.40 (0.28, 0.53)	-0.84 (-1.13, -0.55)
Mali	3.82 (2.89, 4.97)	0.13 (0.10, 0.17)	11.82 (8.14, 16.55)	0.13 (0.09, 0.19)	0.29 (0.18, 0.40)
Malta	0.80 (0.68, 0.93)	0.58 (0.49, 0.67)	0.67 (0.56, 0.79)	0.50 (0.42, 0.59)	0.13 (-0.38, 0.65)
Marshall Islands	0.19 (0.13, 0.29)	1.12 (0.74, 1.69)	0.38 (0.22, 0.57)	1.59 (0.93, 2.42)	1.46 (1.33, 1.59)
Mauritania	1.72 (1.18, 2.36)	0.22 (0.15, 0.31)	3.66 (2.55, 5.42)	0.21 (0.15, 0.32)	0.05 (-0.12, 0.22)
Mauritius	3.18 (2.88, 3.53)	0.64 (0.58, 0.71)	2.65 (2.35, 2.94)	0.58 (0.52, 0.65)	-0.73 (-0.97, -0.49)
Mexico	219.59 (212.92, 226.74)	0.62 (0.60, 0.64)	219.36 (198.01, 241.31)	0.43 (0.38, 0.47)	-1.27 (-1.42, -1.12)
Micronesia (Federated States of)	0.51 (0.34, 0.75)	1.28 (0.84, 1.88)	0.65 (0.41, 0.97)	1.54 (0.96, 2.28)	0.76 (0.69, 0.83)
Monaco	0.20 (0.14, 0.26)	2.13 (1.56, 2.89)	0.28 (0.18, 0.41)	2.97 (1.90, 4.40)	0.83 (0.25, 1.41)
Mongolia	9.87 (6.24, 14.52)	1.12 (0.71, 1.64)	15.08 (9.68, 22.12)	1.19 (0.77, 1.75)	-0.56 (-0.89, -0.22)
Montenegro	4.58 (3.52, 5.86)	1.82 (1.40, 2.34)	2.93 (2.12, 3.89)	1.42 (1.03, 1.89)	-0.73 (-1.00, -0.46)
Morocco	26.48 (19.38, 35.79)	0.25 (0.19, 0.34)	29.18 (19.23, 49.65)	0.20 (0.13, 0.34)	-1.02 (-1.11, -0.94)
Mozambique	3.57 (2.59, 4.74)	0.08 (0.05, 0.10)	13.75 (9.04, 19.95)	0.11 (0.08, 0.17)	2.13 (1.88, 2.38)
Myanmar	163.15 (111.14, 222.54)	0.95 (0.65, 1.30)	195.37 (133.71, 269.66)	0.87 (0.59, 1.20)	-0.39 (-0.54, -0.24)
Namibia	0.83 (0.62, 1.09)	0.15 (0.11, 0.19)	2.04 (1.28, 3.08)	0.19 (0.12, 0.29)	0.51 (0.08, 0.95)
Nauru	0.08 (0.04, 0.11)	1.86 (1.02, 2.71)	0.10 (0.05, 0.13)	2.09 (1.10, 2.85)	0.39 (0.37, 0.42)
Nepal	17.73 (11.27, 26.74)	0.24 (0.15, 0.37)	35.70 (23.33, 55.73)	0.27 (0.17, 0.42)	0.27 (0.15, 0.38)
Netherlands	63.13 (57.21, 69.98)	1.05 (0.95, 1.16)	35.80 (31.47, 40.24)	0.68 (0.60, 0.76)	-1.90 (-2.22, -1.58)
New Zealand	8.39 (7.43, 9.40)	0.61 (0.54, 0.68)	8.99 (7.91, 10.24)	0.50 (0.44, 0.57)	-1.44 (-1.84, -1.03)
Nicaragua	4.32 (3.56, 5.18)	0.29 (0.24, 0.35)	7.19 (5.45, 9.15)	0.25 (0.19, 0.32)	-0.39 (-0.55, -0.24)
Niger	3.27 (2.18, 5.07)	0.12 (0.08, 0.18)	10.14 (6.34, 18.37)	0.11 (0.07, 0.21)	0.02 (-0.11, 0.16)
Nigeria	11.00 (7.93, 14.70)	0.03 (0.02, 0.04)	34.26 (22.11, 49.27)	0.04 (0.02, 0.05)	0.79 (0.65, 0.94)
Niue	0.01 (0.01, 0.01)	0.95 (0.67, 1.40)	0.01 (0.01, 0.01)	1.32 (0.97, 1.90)	0.64 (0.48, 0.79)
North Macedonia	9.28 (7.48, 11.10)	1.17 (0.94, 1.40)	6.34 (4.72, 8.03)	0.83 (0.62, 1.05)	-1.30 (-1.55, -1.05)
Northern Mariana Islands	0.45 (0.28, 0.64)	1.93 (1.20, 2.74)	0.23 (0.18, 0.31)	1.40 (1.08, 1.86)	-1.33 (-1.61, -1.04)
Norway	8.91 (8.28, 9.54)	0.56 (0.52, 0.60)	6.63 (6.01, 7.25)	0.37 (0.34, 0.41)	-1.34 (-1.79, -0.88)
Oman	1.19 (0.80, 1.70)	0.14 (0.10, 0.20)	2.58 (1.85, 3.96)	0.11 (0.08, 0.17)	-0.44 (-0.63, -0.25)
Pakistan	147.17 (116.35, 181.65)	0.36 (0.29, 0.45)	507.94 (373.41, 662.28)	0.51 (0.38, 0.67)	0.82 (0.54, 1.09)
Palau	0.15 (0.11, 0.22)	2.22 (1.52, 3.12)	0.18 (0.13, 0.23)	3.01 (2.23, 3.90)	1.03 (0.92, 1.14)
Palestine	5.89 (4.19, 8.16)	0.77 (0.55, 1.06)	15.07 (12.00, 19.00)	0.69 (0.55, 0.87)	-0.54 (-0.81, -0.27)
Panama	5.24 (4.83, 5.71)	0.52 (0.48, 0.56)	7.08 (5.83, 8.58)	0.43 (0.35, 0.52)	-0.58 (-0.84, -0.32)
Papua New Guinea	9.94 (5.71, 17.39)	0.60 (0.35, 1.05)	32.14 (20.95, 49.39)	0.75 (0.49, 1.15)	0.64 (0.53, 0.75)
Paraguay	5.61 (4.54, 6.84)	0.36 (0.29, 0.44)	13.51 (10.00, 18.36)	0.44 (0.33, 0.60)	0.71 (0.54, 0.88)
Peru	82.27 (67.37, 103.02)	0.93 (0.76, 1.16)	103.15 (73.69, 135.41)	0.69 (0.50, 0.91)	-1.09 (-1.41, -0.78)

location	Number in 1990 (95% UI)	Rate in 1990 (95% UI)	Number in 2021 (95% UI)	Rate in 2021 (95% UI)	EAPC in ASMR between 1990 and 2021
Philippines	251.21 (225.78, 276.41)	0.97 (0.87, 1.07)	447.07 (373.73, 519.15)	0.95 (0.79, 1.10)	-0.01 (-0.10, 0.08)
Poland	267.87 (257.74, 279.66)	1.85 (1.78, 1.94)	94.45 (85.85, 103.21)	0.78 (0.71, 0.85)	-3.16 (-3.66, -2.66)
Portugal	39.06 (34.17, 44.93)	1.03 (0.90, 1.19)	16.11 (13.41, 19.41)	0.55 (0.45, 0.66)	-2.15 (-2.55, -1.75)
Puerto Rico	11.26 (9.91, 12.72)	0.80 (0.70, 0.90)	5.18 (4.05, 6.53)	0.50 (0.39, 0.63)	-1.45 (-1.66, -1.25)
Qatar	1.77 (1.30, 2.49)	0.75 (0.55, 1.05)	7.53 (5.15, 10.80)	0.46 (0.31, 0.65)	-1.98 (-2.33, -1.63)
Republic of Korea	272.34 (225.47, 323.72)	1.29 (1.07, 1.54)	91.50 (70.14, 118.85)	0.57 (0.44, 0.74)	-3.22 (-3.41, -3.02)
Republic of Moldova	25.23 (22.59, 27.80)	1.45 (1.30, 1.60)	6.93 (5.86, 8.14)	0.56 (0.47, 0.66)	-2.90 (-3.31, -2.49)
Romania	161.29 (141.94, 184.03)	1.86 (1.63, 2.12)	59.16 (48.05, 71.65)	1.10 (0.89, 1.33)	-1.48 (-1.79, -1.16)
Russian Federation	935.70 (909.67, 964.12)	1.61 (1.56, 1.66)	401.01 (371.40, 429.01)	0.86 (0.80, 0.92)	-2.24 (-2.54, -1.94)
Rwanda	8.13 (5.57, 11.03)	0.30 (0.20, 0.40)	13.55 (8.28, 21.86)	0.24 (0.15, 0.39)	-1.60 (-2.20, -1.00)
Saint Kitts and Nevis	0.09 (0.08, 0.10)	0.53 (0.48, 0.59)	0.05 (0.03, 0.07)	0.22 (0.15, 0.31)	-3.19 (-3.83, -2.55)
Saint Lucia	0.31 (0.28, 0.33)	0.54 (0.50, 0.59)	0.36 (0.30, 0.43)	0.54 (0.45, 0.64)	0.18 (-0.05, 0.42)
Saint Vincent and the Grenadines	0.18 (0.16, 0.20)	0.39 (0.35, 0.44)	0.18 (0.15, 0.22)	0.44 (0.36, 0.53)	0.25 (-0.09, 0.59)
Samoa	0.11 (0.08, 0.16)	0.16 (0.11, 0.24)	0.18 (0.11, 0.27)	0.23 (0.14, 0.34)	1.10 (1.01, 1.18)
San Marino	0.08 (0.06, 0.10)	0.86 (0.65, 1.11)	0.05 (0.02, 0.07)	0.51 (0.26, 0.83)	-0.55 (-1.14, 0.04)
Sao Tome and Principe	0.24 (0.15, 0.33)	0.55 (0.35, 0.76)	0.65 (0.37, 1.11)	0.71 (0.41, 1.23)	1.02 (0.71, 1.33)
Saudi Arabia	11.61 (7.77, 16.43)	0.17 (0.12, 0.25)	53.19 (34.33, 81.45)	0.29 (0.19, 0.44)	1.87 (1.65, 2.08)
Senegal	5.92 (4.20, 8.29)	0.21 (0.15, 0.30)	16.77 (11.42, 24.88)	0.26 (0.18, 0.39)	1.13 (0.86, 1.40)
Serbia	64.65 (43.72, 94.95)	1.80 (1.22, 2.64)	27.93 (19.10, 39.11)	0.94 (0.64, 1.32)	-2.20 (-2.33, -2.07)
Seychelles	0.26 (0.21, 0.33)	0.83 (0.67, 1.05)	0.26 (0.19, 0.34)	0.68 (0.49, 0.89)	-0.97 (-1.35, -0.59)
Sierra Leone	2.67 (1.68, 4.05)	0.17 (0.10, 0.25)	8.28 (5.07, 12.73)	0.22 (0.14, 0.34)	1.35 (1.05, 1.66)
Singapore	12.55 (10.72, 14.77)	0.83 (0.71, 0.98)	9.30 (7.38, 11.65)	0.48 (0.38, 0.61)	-2.47 (-2.89, -2.05)
Slovakia	27.11 (19.67, 35.69)	1.32 (0.96, 1.74)	13.09 (9.28, 17.71)	0.76 (0.54, 1.04)	-1.40 (-1.69, -1.11)
Slovenia	9.69 (8.28, 11.20)	1.26 (1.08, 1.46)	3.62 (2.93, 4.47)	0.64 (0.51, 0.79)	-2.28 (-2.61, -1.95)
Solomon Islands	1.48 (0.80, 2.31)	1.15 (0.62, 1.80)	4.55 (3.16, 6.09)	1.66 (1.15, 2.23)	1.27 (1.18, 1.37)
Somalia	4.68 (2.81, 8.04)	0.16 (0.10, 0.28)	12.65 (6.77, 25.65)	0.15 (0.08, 0.31)	0.34 (-0.16, 0.83)
South Africa	176.67 (147.73, 206.61)	1.12 (0.94, 1.31)	171.74 (144.70, 208.63)	0.71 (0.60, 0.86)	-2.11 (-2.65, -1.57)
South Sudan	3.58 (2.04, 5.45)	0.15 (0.09, 0.24)	7.46 (4.85, 11.18)	0.21 (0.13, 0.31)	1.13 (0.86, 1.39)
Spain	240.93 (216.19, 269.46)	1.62 (1.46, 1.82)	66.58 (57.70, 77.08)	0.54 (0.46, 0.62)	-3.90 (-4.10, -3.70)
Sri Lanka	38.27 (31.12, 46.32)	0.52 (0.42, 0.63)	32.96 (22.46, 45.84)	0.41 (0.28, 0.57)	-1.38 (-1.80, -0.96)
Sudan	32.11 (21.23, 48.67)	0.42 (0.28, 0.64)	96.02 (56.12, 150.44)	0.52 (0.30, 0.81)	0.99 (0.87, 1.11)
Suriname	0.99 (0.72, 1.24)	0.61 (0.44, 0.76)	1.53 (1.11, 2.04)	0.71 (0.52, 0.95)	0.45 (0.24, 0.66)
Sweden	15.39 (13.20, 17.96)	0.52 (0.45, 0.61)	10.99 (9.16, 13.25)	0.34 (0.28, 0.41)	-0.91 (-1.07, -0.75)
Switzerland	21.59 (19.46, 24.10)	0.82 (0.74, 0.91)	13.73 (11.82, 15.72)	0.49 (0.43, 0.57)	-2.02 (-2.31, -1.72)
Syrian Arab Republic	44.88 (33.34, 58.66)	0.94 (0.70, 1.22)	34.85 (23.79, 47.58)	0.69 (0.47, 0.94)	-0.63 (-0.90, -0.36)

location	Number in 1990 (95% UI)	Rate in 1990 (95% UI)	Number in 2021 (95% UI)	Rate in 2021 (95% UI)	EAPC in ASMR between 1990 and 2021
Taiwan (Province of China)	122.14 (111.40, 132.40)	1.32 (1.21, 1.44)	80.61 (70.66, 91.84)	1.07 (0.94, 1.22)	-0.53 (-0.71, -0.35)
Tajikistan	22.10 (15.67, 30.08)	1.05 (0.74, 1.42)	26.23 (15.17, 44.70)	0.63 (0.36, 1.07)	-2.65 (-3.32, -1.98)
Thailand	309.46 (249.29, 385.19)	1.19 (0.96, 1.49)	440.58 (331.78, 580.15)	2.08 (1.57, 2.74)	0.70 (-0.05, 1.45)
Timor-Leste	1.55 (1.00, 2.27)	0.49 (0.32, 0.71)	2.84 (2.04, 3.98)	0.50 (0.36, 0.70)	-0.18 (-0.73, 0.38)
Togo	2.72 (1.80, 3.82)	0.20 (0.13, 0.28)	9.15 (5.03, 14.18)	0.27 (0.15, 0.42)	1.33 (1.22, 1.44)
Tokelau	0.00 (0.00, 0.01)	0.83 (0.53, 1.22)	0.01 (0.01, 0.01)	1.32 (1.01, 1.77)	1.17 (0.92, 1.41)
Tonga	0.28 (0.21, 0.37)	0.75 (0.56, 1.00)	0.42 (0.28, 0.63)	1.07 (0.72, 1.62)	1.30 (1.09, 1.51)
Trinidad and Tobago	2.55 (2.34, 2.80)	0.51 (0.47, 0.56)	2.98 (2.24, 3.88)	0.60 (0.45, 0.78)	0.58 (0.32, 0.84)
Tunisia	14.45 (10.92, 19.05)	0.42 (0.32, 0.55)	27.08 (18.42, 38.22)	0.62 (0.42, 0.88)	1.01 (0.88, 1.13)
Turkey	513.27 (372.35, 666.98)	2.15 (1.56, 2.79)	398.05 (300.15, 509.64)	1.25 (0.94, 1.60)	-1.90 (-2.20, -1.60)
Turkmenistan	14.94 (13.66, 16.28)	0.97 (0.89, 1.06)	14.82 (11.43, 19.44)	0.71 (0.55, 0.93)	-1.21 (-1.62, -0.79)
Tuvalu	0.04 (0.02, 0.05)	0.99 (0.66, 1.47)	0.06 (0.04, 0.09)	1.21 (0.82, 1.80)	0.53 (0.47, 0.59)
Uganda	8.34 (5.86, 11.90)	0.13 (0.09, 0.19)	38.01 (24.22, 55.80)	0.22 (0.14, 0.32)	0.93 (0.53, 1.34)
Ukraine	407.38 (363.88, 460.24)	2.14 (1.92, 2.42)	135.79 (93.70, 183.99)	0.99 (0.68, 1.33)	-3.55 (-3.97, -3.14)
United Arab Emirates	7.38 (4.84, 10.41)	0.77 (0.51, 1.09)	23.03 (15.32, 34.28)	0.57 (0.38, 0.85)	-1.22 (-1.44, -1.00)
United Kingdom	161.05 (158.00, 164.70)	0.77 (0.76, 0.79)	116.56 (113.35, 120.13)	0.54 (0.52, 0.55)	-0.89 (-1.13, -0.65)
United Republic of Tanzania	18.28 (13.34, 27.85)	0.19 (0.14, 0.29)	54.30 (36.64, 76.37)	0.23 (0.16, 0.33)	0.81 (0.73, 0.89)
United States of America	1253.13 (1218.90, 1289.14)	1.23 (1.19, 1.26)	505.94 (486.23, 526.71)	0.45 (0.44, 0.47)	-3.73 (-3.96, -3.50)
United States Virgin Islands	0.37 (0.28, 0.45)	0.92 (0.72, 1.15)	0.27 (0.20, 0.38)	1.19 (0.86, 1.66)	0.90 (0.66, 1.14)
Uruguay	18.96 (15.78, 22.75)	1.67 (1.39, 2.00)	15.58 (12.52, 19.35)	1.30 (1.05, 1.62)	-0.58 (-1.02, -0.14)
Uzbekistan	90.54 (75.52, 104.32)	1.05 (0.88, 1.22)	89.09 (71.11, 109.15)	0.65 (0.52, 0.79)	-1.90 (-2.16, -1.64)
Vanuatu	0.41 (0.23, 0.74)	0.70 (0.39, 1.26)	1.11 (0.68, 1.87)	0.89 (0.54, 1.50)	0.66 (0.59, 0.73)
Venezuela (Bolivarian Republic of)	76.18 (70.45, 82.00)	0.95 (0.88, 1.02)	85.21 (62.89, 111.76)	0.91 (0.67, 1.19)	-0.29 (-0.45, -0.13)
Viet Nam	145.86 (103.33, 201.75)	0.51 (0.36, 0.71)	282.46 (196.00, 403.55)	0.74 (0.51, 1.05)	0.84 (0.64, 1.03)
Yemen	16.30 (8.25, 30.49)	0.35 (0.18, 0.66)	55.38 (26.14, 97.12)	0.40 (0.19, 0.71)	0.86 (0.62, 1.10)
Zambia	6.77 (5.14, 8.83)	0.22 (0.17, 0.29)	31.69 (17.23, 62.59)	0.39 (0.21, 0.77)	2.01 (1.87, 2.15)
Zimbabwe	9.84 (7.54, 12.64)	0.25 (0.19, 0.32)	36.87 (24.76, 53.28)	0.58 (0.39, 0.84)	3.54 (2.77, 4.32)

**Abbreviation:** EAPC, estimated annual percentage change; ASMR, age-standardized rates for mortality; UI, uncertainty interval; SDI, socio-demographic index; GBD, global burden of disease.

**Supplementary Table SXVIII. Pulmonary arterial hypertension mortality in 1990 and 2021 in adolescents and young adults and EAPC in ASMR by location**

location	Number in 1990 (95% UI)	Rate in 1990 (95% UI)	Number in 2021 (95% UI)	Rate in 2021 (95% UI)	EAPC in ASMR between 1990 and 2021
Global	1822.64 (1425.73, 2308.76)	0.08 (0.07, 0.11)	1885.51 (1586.95, 2254.95)	0.06 (0.05, 0.08)	-0.83 (-0.93, -0.73)
SDI regions					
High SDI	268.96 (250.03, 286.26)	0.08 (0.07, 0.08)	184.28 (174.61, 195.04)	0.05 (0.05, 0.06)	-1.46 (-1.62, -1.30)
High-middle SDI	386.54 (333.67, 479.02)	0.09 (0.07, 0.11)	215.99 (188.47, 263.71)	0.05 (0.04, 0.06)	-1.80 (-1.95, -1.65)
Middle SDI	644.03 (510.72, 799.37)	0.09 (0.07, 0.11)	591.38 (488.35, 687.12)	0.06 (0.05, 0.07)	-0.74 (-0.90, -0.58)
Low-middle SDI	369.79 (226.55, 538.03)	0.08 (0.05, 0.12)	558.49 (439.88, 707.34)	0.07 (0.05, 0.09)	-0.44 (-0.57, -0.30)
Low SDI	151.43 (59.33, 264.14)	0.08 (0.03, 0.14)	333.64 (186.56, 546.34)	0.07 (0.04, 0.12)	-0.34 (-0.43, -0.25)
GBD regions					
Central Asia	70.86 (56.06, 86.93)	0.25 (0.20, 0.31)	79.15 (62.65, 103.34)	0.21 (0.17, 0.28)	-0.90 (-1.11, -0.69)
East Asia	407.54 (293.26, 586.04)	0.07 (0.05, 0.10)	244.36 (158.22, 331.45)	0.05 (0.03, 0.07)	-0.68 (-1.00, -0.35)
South Asia	282.97 (146.13, 460.76)	0.07 (0.03, 0.11)	447.62 (327.98, 582.15)	0.06 (0.04, 0.07)	-0.33 (-0.50, -0.16)
Southeast Asia	123.21 (89.55, 199.45)	0.06 (0.05, 0.10)	154.03 (111.76, 233.89)	0.06 (0.04, 0.08)	-0.34 (-0.44, -0.23)
High-income Asia Pacific	77.53 (73.32, 82.48)	0.11 (0.11, 0.12)	40.50 (37.65, 43.36)	0.08 (0.07, 0.09)	-1.30 (-1.39, -1.20)
Oceania					
Australasia	5.87 (4.94, 7.14)	0.07 (0.06, 0.09)	4.17 (3.72, 4.66)	0.04 (0.04, 0.04)	-2.24 (-2.81, -1.66)
Europe					
Central Europe	41.99 (37.45, 46.22)	0.09 (0.08, 0.10)	21.71 (19.66, 24.36)	0.06 (0.06, 0.07)	-1.06 (-1.30, -0.82)
Eastern Europe	84.87 (72.21, 107.30)	0.10 (0.08, 0.13)	27.09 (24.14, 30.04)	0.04 (0.04, 0.05)	-3.55 (-4.01, -3.08)
Western Europe	106.93 (97.79, 119.72)	0.07 (0.07, 0.08)	54.74 (52.15, 57.29)	0.04 (0.04, 0.04)	-2.01 (-2.52, -1.50)
Latin America and the Caribbean					
Andean Latin America	9.61 (6.67, 13.57)	0.06 (0.04, 0.09)	10.16 (7.64, 13.37)	0.04 (0.03, 0.05)	-1.42 (-1.74, -1.10)
Central Latin America	23.74 (19.68, 27.55)	0.03 (0.03, 0.04)	23.63 (20.84, 26.46)	0.02 (0.02, 0.03)	-1.74 (-1.95, -1.53)
High-income North America	83.64 (74.44, 90.97)	0.07 (0.07, 0.08)	75.86 (70.46, 81.29)	0.06 (0.06, 0.07)	-0.92 (-1.14, -0.70)
Southern Latin America	27.57 (23.94, 31.43)	0.14 (0.13, 0.16)	20.34 (18.40, 22.56)	0.08 (0.07, 0.09)	-1.94 (-2.13, -1.76)
Tropical Latin America	74.24 (70.04, 78.39)	0.12 (0.11, 0.12)	95.09 (90.01, 100.44)	0.11 (0.10, 0.11)	-0.50 (-0.95, -0.06)
Caribbean	18.65 (14.07, 23.59)	0.13 (0.09, 0.16)	14.56 (10.09, 21.84)	0.08 (0.06, 0.12)	-2.00 (-2.30, -1.70)
Africa					
Central Sub-Saharan Africa	10.79 (4.28, 21.37)	0.05 (0.02, 0.10)	25.80 (11.11, 49.66)	0.05 (0.02, 0.09)	-0.19 (-0.25, -0.12)
Eastern Sub-Saharan Africa	70.68 (24.99, 142.19)	0.10 (0.04, 0.20)	136.04 (53.15, 271.82)	0.08 (0.03, 0.16)	-1.01 (-1.09, -0.92)
North Africa and Middle East	243.79 (174.38, 317.53)	0.18 (0.13, 0.24)	298.29 (179.82, 376.08)	0.12 (0.07, 0.15)	-1.08 (-1.20, -0.96)
Southern Sub-Saharan Africa	11.29 (6.91, 16.10)	0.05 (0.03, 0.07)	16.27 (10.54, 21.88)	0.05 (0.03, 0.06)	-0.05 (-0.55, 0.45)
Western Sub-Saharan Africa	44.62 (14.07, 91.14)	0.06 (0.02, 0.13)	90.46 (34.57, 166.22)	0.05 (0.02, 0.09)	-1.05 (-1.17, -0.92)
Countries					
Afghanistan	4.34 (1.72, 8.86)	0.14 (0.05, 0.28)	28.23 (9.42, 48.78)	0.23 (0.08, 0.40)	2.80 (2.32, 3.28)
Albania	2.32 (1.17, 3.08)	0.16 (0.08, 0.22)	0.79 (0.35, 1.28)	0.08 (0.04, 0.14)	-2.09 (-2.26, -1.92)

location	Number in 1990 (95% UI)	Rate in 1990 (95% UI)	Number in 2021 (95% UI)	Rate in 2021 (95% UI)	EAPC in ASMR between 1990 and 2021
Algeria	7.30 (4.31, 13.01)	0.07 (0.04, 0.13)	18.05 (7.50, 27.46)	0.11 (0.04, 0.16)	1.89 (1.59, 2.20)
American Samoa	0.01 (0.01, 0.02)	0.05 (0.03, 0.09)	0.01 (0.00, 0.02)	0.05 (0.03, 0.09)	-0.11 (-0.23, 0.02)
Andorra	0.02 (0.01, 0.03)	0.07 (0.05, 0.11)	0.01 (0.01, 0.01)	0.04 (0.02, 0.06)	-1.99 (-2.28, -1.69)
Angola	2.29 (0.84, 4.62)	0.06 (0.02, 0.12)	6.27 (2.65, 12.42)	0.05 (0.02, 0.10)	-0.13 (-0.33, 0.07)
Antigua and Barbuda	0.01 (0.01, 0.01)	0.04 (0.03, 0.05)	0.00 (0.00, 0.00)	0.01 (0.01, 0.01)	-4.68 (-5.35, -4.01)
Argentina	22.16 (18.68, 25.78)	0.18 (0.15, 0.21)	14.53 (12.98, 16.47)	0.08 (0.07, 0.09)	-2.37 (-2.57, -2.17)
Armenia	1.84 (1.60, 2.13)	0.13 (0.11, 0.15)	0.26 (0.22, 0.30)	0.02 (0.02, 0.03)	-6.51 (-7.33, -5.68)
Australia	4.86 (3.95, 6.13)	0.07 (0.06, 0.09)	3.42 (2.99, 3.90)	0.04 (0.03, 0.04)	-2.24 (-2.76, -1.73)
Austria	1.35 (1.21, 1.51)	0.05 (0.04, 0.05)	0.80 (0.69, 0.91)	0.03 (0.02, 0.03)	-1.69 (-2.44, -0.93)
Azerbaijan	12.09 (7.04, 18.28)	0.38 (0.22, 0.58)	11.90 (6.20, 21.13)	0.28 (0.15, 0.50)	-1.76 (-2.00, -1.52)
Bahamas	0.66 (0.55, 0.79)	0.56 (0.47, 0.67)	0.31 (0.24, 0.40)	0.20 (0.15, 0.26)	-4.48 (-5.08, -3.88)
Bahrain	0.09 (0.06, 0.19)	0.04 (0.03, 0.07)	0.26 (0.12, 0.42)	0.04 (0.02, 0.06)	0.59 (-0.10, 1.27)
Bangladesh	34.16 (14.57, 66.51)	0.08 (0.03, 0.16)	52.79 (28.26, 90.50)	0.08 (0.04, 0.13)	0.01 (-0.10, 0.12)
Barbados	0.48 (0.40, 0.57)	0.44 (0.37, 0.52)	0.13 (0.10, 0.17)	0.13 (0.10, 0.17)	-5.21 (-5.83, -4.58)
Belarus	0.55 (0.45, 0.73)	0.01 (0.01, 0.02)	0.47 (0.37, 0.58)	0.02 (0.01, 0.02)	0.01 (-0.33, 0.36)
Belgium	3.23 (2.71, 4.31)	0.09 (0.07, 0.12)	1.49 (1.32, 1.66)	0.04 (0.04, 0.05)	-2.39 (-2.77, -2.01)
Belize	0.13 (0.11, 0.17)	0.18 (0.15, 0.23)	0.12 (0.10, 0.14)	0.06 (0.05, 0.08)	-4.27 (-4.95, -3.59)
Benin	0.82 (0.22, 1.90)	0.05 (0.01, 0.11)	2.16 (0.69, 4.49)	0.04 (0.01, 0.09)	-0.55 (-0.69, -0.41)
Bermuda	0.15 (0.13, 0.18)	0.58 (0.50, 0.70)	0.03 (0.02, 0.03)	0.15 (0.12, 0.19)	-5.53 (-6.04, -5.02)
Bhutan	0.15 (0.06, 0.32)	0.06 (0.02, 0.12)	0.23 (0.11, 0.47)	0.07 (0.03, 0.13)	0.09 (-0.18, 0.36)
Bolivia (Plurinational State of)	2.07 (1.15, 3.51)	0.08 (0.05, 0.14)	2.51 (1.60, 3.90)	0.05 (0.03, 0.08)	-1.72 (-1.76, -1.67)
Bosnia and Herzegovina	1.50 (0.96, 2.18)	0.08 (0.05, 0.11)	0.61 (0.39, 0.86)	0.06 (0.04, 0.09)	-1.42 (-1.66, -1.18)
Botswana	0.35 (0.18, 0.70)	0.07 (0.04, 0.14)	0.40 (0.19, 0.66)	0.04 (0.02, 0.06)	-1.92 (-2.15, -1.68)
Brazil	73.87 (69.69, 78.07)	0.12 (0.11, 0.12)	94.53 (89.42, 99.92)	0.11 (0.10, 0.12)	-0.47 (-0.92, -0.03)
Brunei Darussalam	0.27 (0.12, 0.40)	0.22 (0.10, 0.33)	0.22 (0.11, 0.30)	0.11 (0.05, 0.15)	-1.77 (-1.94, -1.61)
Bulgaria	1.65 (1.38, 1.96)	0.06 (0.05, 0.07)	0.64 (0.47, 0.86)	0.03 (0.02, 0.05)	-0.79 (-1.39, -0.20)
Burkina Faso	1.92 (0.46, 4.24)	0.06 (0.01, 0.13)	4.70 (1.64, 9.80)	0.05 (0.02, 0.11)	-0.24 (-0.38, -0.09)
Burundi	3.09 (0.97, 7.74)	0.15 (0.05, 0.37)	4.49 (1.55, 10.42)	0.09 (0.03, 0.20)	-2.19 (-2.43, -1.95)
Cabo Verde	0.11 (0.03, 0.25)	0.08 (0.02, 0.19)	0.11 (0.04, 0.23)	0.04 (0.01, 0.09)	-2.02 (-2.24, -1.81)
Cambodia	2.23 (1.02, 4.32)	0.06 (0.03, 0.11)	3.82 (2.16, 7.11)	0.05 (0.03, 0.10)	-0.34 (-0.37, -0.30)
Cameroon	2.44 (0.77, 5.29)	0.06 (0.02, 0.14)	7.05 (2.96, 13.82)	0.05 (0.02, 0.11)	-0.38 (-0.56, -0.20)
Canada	9.05 (8.16, 10.06)	0.08 (0.07, 0.09)	5.61 (5.01, 6.39)	0.05 (0.04, 0.05)	-3.51 (-4.36, -2.66)
Central African Republic	0.70 (0.28, 1.32)	0.07 (0.03, 0.13)	1.50 (0.59, 2.93)	0.07 (0.03, 0.13)	0.07 (-0.04, 0.18)
Chad	1.23 (0.29, 2.99)	0.06 (0.01, 0.14)	4.02 (1.27, 8.71)	0.06 (0.02, 0.14)	0.45 (0.29, 0.60)
Chile	4.35 (3.81, 4.99)	0.08 (0.07, 0.09)	5.00 (4.34, 5.76)	0.07 (0.06, 0.08)	-0.75 (-1.15, -0.35)

location	Number in 1990 (95% UI)	Rate in 1990 (95% UI)	Number in 2021 (95% UI)	Rate in 2021 (95% UI)	EAPC in ASMR between 1990 and 2021
China	401.49 (288.53, 578.61)	0.07 (0.05, 0.11)	236.07 (151.78, 321.04)	0.05 (0.03, 0.07)	-0.73 (-1.05, -0.41)
Colombia	5.98 (4.60, 7.60)	0.04 (0.03, 0.05)	5.52 (4.51, 6.67)	0.03 (0.02, 0.03)	-1.57 (-1.88, -1.25)
Comoros	0.18 (0.06, 0.37)	0.10 (0.03, 0.21)	0.20 (0.08, 0.43)	0.07 (0.03, 0.14)	-2.28 (-3.12, -1.44)
Congo	0.50 (0.25, 0.97)	0.05 (0.03, 0.10)	0.97 (0.51, 1.79)	0.04 (0.02, 0.08)	-0.59 (-0.78, -0.39)
Cook Islands	0.01 (0.00, 0.01)	0.09 (0.06, 0.15)	0.00 (0.00, 0.01)	0.05 (0.03, 0.09)	-1.63 (-1.78, -1.48)
Costa Rica	1.03 (0.90, 1.19)	0.08 (0.07, 0.09)	0.47 (0.41, 0.54)	0.02 (0.02, 0.03)	-5.19 (-5.76, -4.62)
Coted'Ivoire	2.94 (0.88, 6.65)	0.06 (0.02, 0.14)	6.39 (2.15, 12.10)	0.06 (0.02, 0.11)	-0.01 (-0.15, 0.12)
Croatia	0.58 (0.51, 0.66)	0.03 (0.03, 0.04)	0.11 (0.09, 0.13)	0.01 (0.01, 0.01)	-3.26 (-3.91, -2.60)
Cuba	2.15 (1.87, 2.55)	0.04 (0.04, 0.05)	0.61 (0.50, 0.71)	0.02 (0.01, 0.02)	-4.33 (-5.01, -3.65)
Cyprus	1.03 (0.53, 1.49)	0.33 (0.17, 0.48)	0.64 (0.37, 0.92)	0.13 (0.07, 0.18)	-3.64 (-4.08, -3.20)
Czechia	4.57 (3.51, 5.95)	0.12 (0.09, 0.16)	3.29 (2.60, 4.12)	0.11 (0.09, 0.14)	-0.10 (-0.41, 0.21)
Democratic People's Republic of Korea	4.36 (2.53, 7.73)	0.05 (0.03, 0.09)	6.08 (3.30, 10.71)	0.06 (0.03, 0.11)	0.50 (0.39, 0.60)
Democratic Republic of the Congo	7.03 (2.52, 13.89)	0.05 (0.02, 0.10)	16.59 (6.43, 32.39)	0.05 (0.02, 0.09)	-0.15 (-0.22, -0.07)
Denmark	1.08 (0.95, 1.22)	0.06 (0.05, 0.06)	0.55 (0.49, 0.61)	0.03 (0.03, 0.03)	-2.25 (-3.03, -1.46)
Djibouti	0.12 (0.05, 0.25)	0.07 (0.03, 0.14)	0.30 (0.11, 0.62)	0.05 (0.02, 0.11)	-1.06 (-1.34, -0.77)
Dominica	0.02 (0.01, 0.02)	0.05 (0.03, 0.07)	0.01 (0.01, 0.01)	0.03 (0.02, 0.05)	-1.91 (-2.10, -1.71)
Dominican Republic	1.90 (1.37, 2.58)	0.06 (0.04, 0.08)	1.79 (1.28, 2.91)	0.04 (0.03, 0.06)	-1.61 (-1.94, -1.29)
Ecuador	2.61 (1.92, 3.53)	0.06 (0.05, 0.09)	2.79 (2.14, 3.56)	0.04 (0.03, 0.05)	-1.24 (-1.96, -0.52)
Egypt	54.41 (36.00, 87.72)	0.25 (0.16, 0.40)	53.63 (37.55, 72.46)	0.13 (0.09, 0.17)	-1.94 (-2.12, -1.75)
El Salvador	1.59 (0.99, 2.13)	0.08 (0.05, 0.10)	0.93 (0.63, 1.43)	0.04 (0.02, 0.06)	-3.04 (-3.29, -2.79)
Equatorial Guinea	0.09 (0.04, 0.19)	0.06 (0.02, 0.12)	0.21 (0.09, 0.42)	0.03 (0.01, 0.06)	-2.60 (-2.77, -2.42)
Eritrea	1.65 (0.60, 3.60)	0.13 (0.05, 0.28)	2.46 (1.06, 4.83)	0.09 (0.04, 0.17)	-1.29 (-1.43, -1.15)
Estonia	0.04 (0.03, 0.05)	0.01 (0.01, 0.01)	0.02 (0.02, 0.03)	0.01 (0.01, 0.01)	0.19 (-1.75, 2.16)
Eswatini	0.17 (0.09, 0.33)	0.06 (0.03, 0.11)	0.30 (0.16, 0.45)	0.06 (0.03, 0.09)	0.39 (-0.07, 0.86)
Ethiopia	18.63 (5.83, 40.45)	0.10 (0.03, 0.22)	28.42 (8.97, 65.01)	0.06 (0.02, 0.14)	-2.10 (-2.26, -1.94)
Fiji	0.23 (0.13, 0.42)	0.07 (0.04, 0.13)	0.21 (0.12, 0.36)	0.06 (0.03, 0.10)	-0.74 (-0.80, -0.68)
Finland	0.50 (0.43, 0.59)	0.03 (0.02, 0.03)	0.31 (0.27, 0.35)	0.02 (0.02, 0.02)	-1.02 (-1.71, -0.33)
France	18.99 (16.14, 24.91)	0.09 (0.07, 0.11)	10.36 (9.36, 11.47)	0.05 (0.05, 0.06)	-1.62 (-1.94, -1.29)
Gabon	0.18 (0.08, 0.38)	0.05 (0.02, 0.10)	0.25 (0.11, 0.51)	0.03 (0.02, 0.07)	-1.26 (-1.41, -1.10)
Gambia	0.24 (0.06, 0.53)	0.06 (0.02, 0.14)	0.65 (0.24, 1.31)	0.06 (0.02, 0.13)	-0.10 (-0.34, 0.15)
Georgia	5.29 (3.94, 6.86)	0.25 (0.18, 0.32)	4.79 (3.82, 6.03)	0.42 (0.34, 0.53)	2.31 (1.24, 3.40)
Germany	26.99 (22.11, 31.88)	0.09 (0.07, 0.11)	12.08 (10.69, 13.62)	0.05 (0.04, 0.05)	-1.96 (-2.63, -1.29)
Ghana	4.35 (1.68, 10.04)	0.08 (0.03, 0.17)	6.37 (2.93, 11.69)	0.04 (0.02, 0.08)	-1.90 (-2.07, -1.72)
Greece	2.52 (2.27, 2.78)	0.07 (0.06, 0.07)	1.79 (1.58, 2.04)	0.06 (0.06, 0.07)	-0.20 (-1.00, 0.60)
Greenland	0.04 (0.02, 0.06)	0.15 (0.07, 0.21)	0.01 (0.00, 0.01)	0.04 (0.02, 0.06)	-5.80 (-6.39, -5.20)

location	Number in 1990 (95% UI)	Rate in 1990 (95% UI)	Number in 2021 (95% UI)	Rate in 2021 (95% UI)	EAPC in ASMR between 1990 and 2021
Grenada	0.13 (0.11, 0.15)	0.38 (0.32, 0.46)	0.03 (0.03, 0.04)	0.09 (0.07, 0.10)	-5.32 (-5.70, -4.93)
Guam	0.03 (0.01, 0.04)	0.04 (0.02, 0.07)	0.01 (0.01, 0.03)	0.02 (0.01, 0.05)	-0.78 (-1.15, -0.40)
Guatemala	1.93 (1.61, 2.45)	0.07 (0.05, 0.08)	1.01 (0.84, 1.21)	0.01 (0.01, 0.02)	-5.83 (-6.40, -5.26)
Guinea	1.25 (0.30, 2.87)	0.06 (0.01, 0.14)	3.22 (1.11, 6.77)	0.06 (0.02, 0.13)	0.24 (0.12, 0.35)
Guinea-Bissau	0.35 (0.12, 0.72)	0.10 (0.03, 0.19)	0.75 (0.31, 1.50)	0.09 (0.04, 0.18)	-0.07 (-0.13, -0.02)
Guyana	0.20 (0.15, 0.23)	0.06 (0.05, 0.07)	0.61 (0.44, 0.83)	0.20 (0.14, 0.27)	0.98 (-1.23, 3.24)
Haiti	6.04 (2.46, 10.63)	0.25 (0.10, 0.44)	8.66 (4.39, 15.50)	0.16 (0.08, 0.28)	-1.37 (-1.56, -1.19)
Honduras	0.84 (0.48, 1.29)	0.05 (0.03, 0.07)	1.20 (0.62, 1.99)	0.03 (0.01, 0.05)	-2.26 (-2.45, -2.08)
Hungary	4.33 (3.74, 5.07)	0.12 (0.10, 0.14)	1.11 (0.88, 1.40)	0.04 (0.03, 0.05)	-2.90 (-3.90, -1.89)
Iceland	0.05 (0.04, 0.05)	0.04 (0.04, 0.05)	0.04 (0.03, 0.04)	0.03 (0.03, 0.04)	-0.90 (-1.57, -0.23)
India	215.93 (114.09, 345.90)	0.06 (0.03, 0.10)	298.37 (218.75, 376.22)	0.05 (0.04, 0.06)	-0.64 (-0.85, -0.42)
Indonesia	45.45 (29.04, 81.26)	0.06 (0.04, 0.10)	58.89 (36.04, 107.47)	0.05 (0.03, 0.09)	-0.41 (-0.58, -0.23)
Iran (Islamic Republic of)	78.82 (48.02, 111.70)	0.36 (0.22, 0.51)	69.46 (47.46, 80.72)	0.20 (0.14, 0.23)	-1.71 (-1.82, -1.59)
Iraq	5.95 (2.93, 9.81)	0.08 (0.04, 0.14)	7.15 (3.26, 11.95)	0.04 (0.02, 0.07)	-2.18 (-2.37, -1.99)
Ireland	0.47 (0.43, 0.52)	0.03 (0.03, 0.04)	0.42 (0.37, 0.48)	0.03 (0.02, 0.03)	-0.80 (-1.72, 0.13)
Israel	2.30 (1.93, 3.05)	0.12 (0.10, 0.16)	1.78 (1.55, 2.04)	0.05 (0.05, 0.06)	-2.38 (-2.81, -1.96)
Italy	14.32 (13.66, 14.96)	0.07 (0.06, 0.07)	3.83 (3.62, 4.04)	0.02 (0.02, 0.03)	-3.93 (-4.52, -3.34)
Jamaica	0.76 (0.56, 0.98)	0.08 (0.06, 0.10)	0.34 (0.23, 0.47)	0.03 (0.02, 0.04)	-4.78 (-5.53, -4.04)
Japan	64.64 (62.56, 67.13)	0.14 (0.14, 0.15)	35.85 (33.60, 38.69)	0.11 (0.10, 0.12)	-0.98 (-1.07, -0.89)
Jordan	0.23 (0.12, 1.05)	0.01 (0.01, 0.07)	0.70 (0.31, 2.12)	0.01 (0.01, 0.04)	0.20 (-0.20, 0.60)
Kazakhstan	1.96 (1.56, 2.46)	0.03 (0.02, 0.04)	1.26 (0.89, 1.61)	0.02 (0.01, 0.02)	-1.89 (-2.47, -1.30)
Kenya	4.66 (1.64, 9.66)	0.05 (0.02, 0.11)	9.67 (4.11, 19.00)	0.04 (0.02, 0.09)	-0.34 (-0.49, -0.20)
Kiribati	0.03 (0.01, 0.05)	0.09 (0.04, 0.17)	0.05 (0.02, 0.08)	0.09 (0.05, 0.17)	0.02 (-0.06, 0.09)
Kuwait	0.16 (0.14, 0.19)	0.02 (0.02, 0.02)	0.75 (0.61, 0.91)	0.04 (0.03, 0.04)	2.81 (1.36, 4.27)
Kyrgyzstan	1.11 (0.88, 1.37)	0.06 (0.05, 0.08)	0.74 (0.55, 0.96)	0.03 (0.02, 0.04)	-3.43 (-3.90, -2.96)
Lao People's Democratic Republic	1.28 (0.42, 2.90)	0.08 (0.03, 0.19)	2.45 (1.09, 5.06)	0.08 (0.03, 0.16)	-0.29 (-0.36, -0.21)
Latvia	0.07 (0.06, 0.09)	0.01 (0.01, 0.01)	0.11 (0.09, 0.13)	0.02 (0.02, 0.02)	3.40 (1.13, 5.74)
Lebanon	3.13 (1.71, 4.67)	0.27 (0.15, 0.41)	2.16 (1.51, 2.80)	0.09 (0.07, 0.12)	-3.36 (-3.54, -3.17)
Lesotho	0.19 (0.10, 0.41)	0.04 (0.02, 0.08)	0.45 (0.26, 0.67)	0.05 (0.03, 0.08)	2.15 (1.71, 2.60)
Liberia	0.69 (0.15, 1.77)	0.07 (0.02, 0.19)	1.42 (0.50, 3.07)	0.06 (0.02, 0.14)	-0.28 (-0.46, -0.10)
Libya	1.19 (0.73, 2.22)	0.07 (0.04, 0.13)	3.54 (1.34, 6.83)	0.12 (0.04, 0.23)	2.49 (2.17, 2.81)
Lithuania	0.17 (0.15, 0.20)	0.01 (0.01, 0.01)	0.13 (0.11, 0.15)	0.02 (0.01, 0.02)	2.28 (0.16, 4.45)
Luxembourg	0.11 (0.10, 0.12)	0.07 (0.06, 0.08)	0.07 (0.06, 0.09)	0.03 (0.03, 0.04)	-3.48 (-4.33, -2.61)
Madagascar	8.83 (3.54, 17.97)	0.19 (0.08, 0.40)	21.44 (9.18, 44.45)	0.18 (0.08, 0.38)	-0.29 (-0.38, -0.21)
Malawi	2.75 (0.88, 5.47)	0.07 (0.02, 0.15)	5.86 (2.32, 11.11)	0.07 (0.03, 0.14)	-0.32 (-0.58, -0.06)

location	Number in 1990 (95% UI)	Rate in 1990 (95% UI)	Number in 2021 (95% UI)	Rate in 2021 (95% UI)	EAPC in ASMR between 1990 and 2021
Malaysia	2.49 (1.74, 4.59)	0.03 (0.02, 0.06)	3.90 (2.68, 7.26)	0.03 (0.02, 0.05)	-0.46 (-0.77, -0.15)
Maldives	0.15 (0.08, 0.24)	0.18 (0.10, 0.30)	0.23 (0.17, 0.40)	0.09 (0.06, 0.16)	-2.18 (-2.35, -2.02)
Mali	2.34 (0.59, 5.54)	0.08 (0.02, 0.19)	6.59 (2.07, 15.00)	0.07 (0.02, 0.17)	-0.15 (-0.19, -0.11)
Malta	0.03 (0.03, 0.04)	0.02 (0.02, 0.03)	0.03 (0.02, 0.03)	0.02 (0.02, 0.02)	-0.14 (-0.85, 0.57)
Marshall Islands	0.02 (0.01, 0.03)	0.10 (0.06, 0.19)	0.02 (0.01, 0.05)	0.10 (0.05, 0.21)	0.11 (-0.01, 0.24)
Mauritania	0.40 (0.16, 0.81)	0.05 (0.02, 0.11)	0.65 (0.28, 1.29)	0.04 (0.02, 0.08)	-1.00 (-1.08, -0.93)
Mauritius	0.55 (0.49, 0.63)	0.11 (0.10, 0.13)	2.09 (1.78, 2.36)	0.46 (0.39, 0.52)	7.47 (6.43, 8.52)
Mexico	9.42 (8.09, 11.13)	0.03 (0.02, 0.03)	12.68 (11.20, 14.19)	0.02 (0.02, 0.03)	-0.36 (-0.56, -0.15)
Micronesia (Federated States of)	0.04 (0.02, 0.07)	0.10 (0.05, 0.19)	0.04 (0.02, 0.07)	0.09 (0.05, 0.16)	-0.37 (-0.40, -0.34)
Monaco	0.01 (0.00, 0.01)	0.06 (0.04, 0.08)	0.00 (0.00, 0.01)	0.05 (0.03, 0.08)	-0.79 (-1.13, -0.45)
Mongolia	5.78 (2.49, 9.21)	0.65 (0.28, 1.04)	8.28 (4.42, 11.56)	0.66 (0.35, 0.92)	-0.01 (-0.24, 0.21)
Montenegro	0.04 (0.02, 0.15)	0.02 (0.01, 0.06)	0.02 (0.01, 0.08)	0.01 (0.00, 0.04)	-2.20 (-2.57, -1.83)
Morocco	8.53 (4.01, 15.23)	0.08 (0.04, 0.15)	16.61 (6.80, 29.30)	0.11 (0.05, 0.20)	1.67 (1.19, 2.16)
Mozambique	4.01 (1.12, 8.94)	0.08 (0.02, 0.19)	11.73 (4.33, 23.48)	0.10 (0.04, 0.20)	0.89 (0.70, 1.08)
Myanmar	16.99 (8.84, 35.64)	0.10 (0.05, 0.21)	17.19 (10.37, 33.29)	0.08 (0.05, 0.15)	-1.18 (-1.38, -0.97)
Namibia	0.28 (0.15, 0.52)	0.05 (0.03, 0.09)	0.46 (0.23, 0.78)	0.04 (0.02, 0.07)	-0.65 (-0.89, -0.40)
Nauru	0.00 (0.00, 0.01)	0.11 (0.06, 0.23)	0.00 (0.00, 0.01)	0.10 (0.05, 0.21)	-0.21 (-0.45, 0.02)
Nepal	5.25 (2.15, 11.28)	0.07 (0.03, 0.15)	9.58 (5.16, 17.51)	0.07 (0.04, 0.13)	0.08 (0.03, 0.14)
Netherlands	2.44 (2.22, 2.71)	0.04 (0.04, 0.04)	1.56 (1.39, 1.76)	0.03 (0.03, 0.03)	-1.80 (-2.67, -0.92)
New Zealand	1.01 (0.91, 1.12)	0.07 (0.07, 0.08)	0.75 (0.67, 0.83)	0.04 (0.04, 0.05)	-2.18 (-3.06, -1.30)
Nicaragua	0.45 (0.25, 0.77)	0.03 (0.02, 0.05)	0.32 (0.19, 1.11)	0.01 (0.01, 0.04)	-3.78 (-4.01, -3.54)
Niger	1.69 (0.36, 4.07)	0.06 (0.01, 0.15)	4.96 (1.16, 11.96)	0.06 (0.01, 0.13)	-0.29 (-0.39, -0.19)
Nigeria	20.08 (5.87, 41.60)	0.06 (0.02, 0.12)	33.62 (10.99, 70.22)	0.04 (0.01, 0.08)	-1.94 (-2.18, -1.69)
Niue	0.00 (0.00, 0.00)	0.08 (0.04, 0.14)	0.00 (0.00, 0.00)	0.10 (0.06, 0.18)	-0.36 (-0.83, 0.11)
North Macedonia	0.35 (0.24, 0.50)	0.04 (0.03, 0.06)	0.22 (0.09, 0.43)	0.03 (0.01, 0.06)	-1.86 (-2.08, -1.63)
Northern Mariana Islands	0.01 (0.01, 0.02)	0.04 (0.02, 0.07)	0.01 (0.00, 0.01)	0.04 (0.02, 0.06)	-0.64 (-0.86, -0.42)
Norway	0.83 (0.79, 0.87)	0.05 (0.05, 0.05)	0.30 (0.28, 0.32)	0.02 (0.02, 0.02)	-4.89 (-6.38, -3.37)
Oman	0.20 (0.10, 0.51)	0.02 (0.01, 0.06)	0.60 (0.22, 1.12)	0.03 (0.01, 0.05)	1.96 (1.00, 2.93)
Pakistan	27.48 (13.82, 51.09)	0.07 (0.03, 0.13)	86.66 (55.29, 131.04)	0.09 (0.06, 0.13)	0.70 (0.44, 0.95)
Palau	0.00 (0.00, 0.01)	0.06 (0.02, 0.12)	0.00 (0.00, 0.01)	0.05 (0.02, 0.11)	-0.40 (-0.51, -0.30)
Palestine	0.37 (0.16, 0.83)	0.05 (0.02, 0.11)	0.59 (0.25, 1.67)	0.03 (0.01, 0.08)	-1.73 (-2.04, -1.41)
Panama	0.46 (0.37, 0.55)	0.05 (0.04, 0.05)	0.28 (0.22, 0.35)	0.02 (0.01, 0.02)	-4.08 (-4.64, -3.52)
Papua New Guinea	1.55 (0.80, 3.16)	0.09 (0.05, 0.19)	4.70 (2.18, 8.24)	0.11 (0.05, 0.19)	0.38 (0.23, 0.54)
Paraguay	0.38 (0.24, 0.71)	0.02 (0.02, 0.05)	0.56 (0.33, 1.18)	0.02 (0.01, 0.04)	-0.71 (-0.85, -0.57)
Peru	4.94 (3.25, 7.16)	0.06 (0.04, 0.08)	4.86 (3.29, 6.79)	0.03 (0.02, 0.05)	-1.53 (-1.74, -1.33)

location	Number in 1990 (95% UI)	Rate in 1990 (95% UI)	Number in 2021 (95% UI)	Rate in 2021 (95% UI)	EAPC in ASMR between 1990 and 2021
Philippines	13.06 (7.29, 15.90)	0.05 (0.03, 0.06)	21.86 (14.40, 29.62)	0.05 (0.03, 0.06)	0.31 (-0.02, 0.64)
Poland	11.82 (10.47, 13.56)	0.08 (0.07, 0.09)	5.99 (5.36, 6.60)	0.05 (0.04, 0.05)	-1.61 (-1.97, -1.25)
Portugal	3.05 (2.79, 3.33)	0.08 (0.07, 0.09)	1.66 (1.47, 1.86)	0.06 (0.05, 0.06)	-1.77 (-2.42, -1.12)
Puerto Rico	3.73 (3.31, 4.21)	0.26 (0.23, 0.30)	0.46 (0.37, 0.55)	0.04 (0.04, 0.05)	-6.93 (-7.35, -6.51)
Qatar	0.07 (0.05, 0.15)	0.03 (0.02, 0.06)	0.44 (0.23, 0.68)	0.03 (0.01, 0.04)	0.72 (-0.13, 1.58)
Republic of Korea	11.31 (7.60, 16.44)	0.05 (0.04, 0.08)	3.63 (2.64, 5.41)	0.02 (0.02, 0.03)	-2.80 (-2.96, -2.65)
Republic of Moldova	0.01 (0.01, 0.01)	0.00 (0.00, 0.00)	0.02 (0.02, 0.03)	0.00 (0.00, 0.00)	5.11 (2.79, 7.47)
Romania	12.19 (10.12, 14.77)	0.14 (0.12, 0.17)	7.69 (6.54, 9.05)	0.14 (0.12, 0.17)	0.16 (-0.11, 0.43)
Russian Federation	75.99 (63.19, 98.84)	0.13 (0.11, 0.17)	18.99 (17.42, 20.52)	0.04 (0.04, 0.04)	-4.44 (-4.98, -3.90)
Rwanda	4.42 (1.59, 10.06)	0.16 (0.06, 0.37)	4.03 (1.48, 8.70)	0.07 (0.03, 0.15)	-3.53 (-3.93, -3.12)
Saint Kitts and Nevis	0.02 (0.01, 0.03)	0.10 (0.07, 0.17)	0.00 (0.00, 0.01)	0.02 (0.01, 0.03)	-6.60 (-7.10, -6.10)
Saint Lucia	0.15 (0.13, 0.18)	0.27 (0.23, 0.31)	0.06 (0.05, 0.07)	0.09 (0.07, 0.11)	-4.72 (-5.22, -4.20)
Saint Vincent and the Grenadines	0.02 (0.01, 0.02)	0.03 (0.03, 0.04)	0.01 (0.01, 0.01)	0.02 (0.02, 0.03)	-3.41 (-4.44, -2.38)
Samoa	0.05 (0.03, 0.08)	0.07 (0.04, 0.12)	0.06 (0.03, 0.10)	0.07 (0.04, 0.13)	0.21 (0.10, 0.32)
San Marino	0.00 (0.00, 0.00)	0.02 (0.02, 0.04)	0.00 (0.00, 0.00)	0.01 (0.01, 0.02)	-1.50 (-1.84, -1.16)
Sao Tome and Principe	0.02 (0.01, 0.04)	0.04 (0.01, 0.09)	0.04 (0.01, 0.09)	0.05 (0.01, 0.10)	0.21 (-0.37, 0.79)
Saudi Arabia	2.32 (1.38, 4.47)	0.03 (0.02, 0.07)	6.13 (2.62, 9.77)	0.03 (0.01, 0.05)	0.59 (0.06, 1.13)
Senegal	1.92 (0.57, 4.22)	0.07 (0.02, 0.15)	3.64 (1.23, 7.38)	0.06 (0.02, 0.11)	-0.44 (-0.63, -0.24)
Serbia	1.22 (0.86, 2.26)	0.03 (0.02, 0.06)	0.56 (0.32, 1.05)	0.02 (0.01, 0.04)	-1.78 (-1.88, -1.67)
Seychelles	0.02 (0.01, 0.04)	0.06 (0.04, 0.12)	0.02 (0.01, 0.03)	0.05 (0.03, 0.08)	-0.75 (-0.90, -0.59)
Sierra Leone	0.96 (0.23, 2.16)	0.06 (0.01, 0.14)	2.17 (0.73, 4.35)	0.06 (0.02, 0.12)	-0.10 (-0.19, 0.00)
Singapore	1.30 (1.15, 1.46)	0.09 (0.08, 0.10)	0.79 (0.67, 0.93)	0.04 (0.03, 0.05)	-2.41 (-2.80, -2.02)
Slovakia	0.68 (0.46, 0.97)	0.03 (0.02, 0.05)	0.33 (0.20, 0.50)	0.02 (0.01, 0.03)	-1.33 (-1.65, -1.01)
Slovenia	0.08 (0.06, 0.09)	0.01 (0.01, 0.01)	0.03 (0.02, 0.04)	0.01 (0.00, 0.01)	-2.12 (-2.43, -1.80)
Solomon Islands	0.06 (0.03, 0.09)	0.04 (0.02, 0.07)	0.14 (0.08, 0.23)	0.05 (0.03, 0.08)	0.57 (0.47, 0.67)
Somalia	4.12 (0.88, 9.60)	0.14 (0.03, 0.33)	9.67 (1.97, 23.99)	0.12 (0.02, 0.29)	-0.61 (-0.77, -0.45)
South Africa	8.31 (5.43, 10.62)	0.05 (0.03, 0.07)	8.64 (6.49, 10.56)	0.04 (0.03, 0.04)	-1.20 (-1.73, -0.67)
South Sudan	2.01 (0.57, 4.62)	0.09 (0.02, 0.20)	3.30 (0.81, 7.57)	0.09 (0.02, 0.21)	-0.09 (-0.67, 0.49)
Spain	13.61 (12.34, 14.99)	0.09 (0.08, 0.10)	6.92 (6.26, 7.65)	0.06 (0.05, 0.06)	-2.15 (-2.74, -1.55)
Sri Lanka	15.06 (8.59, 26.22)	0.20 (0.12, 0.35)	17.10 (9.12, 25.87)	0.21 (0.11, 0.32)	0.79 (0.46, 1.13)
Sudan	7.32 (3.56, 12.83)	0.10 (0.05, 0.17)	25.75 (9.22, 44.02)	0.14 (0.05, 0.24)	1.97 (1.55, 2.39)
Suriname	0.47 (0.22, 0.62)	0.29 (0.13, 0.38)	0.33 (0.18, 0.46)	0.15 (0.08, 0.21)	-2.81 (-3.11, -2.51)
Sweden	1.84 (1.67, 2.07)	0.06 (0.06, 0.07)	1.38 (1.15, 1.63)	0.04 (0.04, 0.05)	-1.03 (-1.49, -0.58)
Switzerland	2.61 (1.91, 3.61)	0.10 (0.07, 0.14)	0.91 (0.81, 1.03)	0.03 (0.03, 0.04)	-4.19 (-4.70, -3.68)
Syrian Arab Republic	1.22 (0.68, 4.63)	0.03 (0.01, 0.10)	1.26 (0.39, 7.35)	0.02 (0.01, 0.14)	-0.11 (-0.76, 0.54)

location	Number in 1990 (95% UI)	Rate in 1990 (95% UI)	Number in 2021 (95% UI)	Rate in 2021 (95% UI)	EAPC in ASMR between 1990 and 2021
Taiwan (Province of China)	1.69 (1.52, 1.85)	0.02 (0.02, 0.02)	2.22 (1.95, 2.53)	0.03 (0.03, 0.03)	4.50 (3.18, 5.84)
Tajikistan	12.08 (6.35, 19.39)	0.57 (0.30, 0.92)	18.95 (10.77, 30.21)	0.45 (0.26, 0.72)	-1.26 (-1.56, -0.95)
Thailand	10.44 (6.73, 15.87)	0.04 (0.03, 0.06)	9.27 (5.87, 13.68)	0.04 (0.03, 0.06)	-0.34 (-0.72, 0.03)
Timor-Leste	0.19 (0.09, 0.39)	0.06 (0.03, 0.12)	0.38 (0.18, 0.82)	0.07 (0.03, 0.14)	0.50 (-0.21, 1.20)
Togo	0.87 (0.28, 1.97)	0.06 (0.02, 0.14)	1.97 (0.76, 3.74)	0.06 (0.02, 0.11)	-0.16 (-0.27, -0.05)
Tokelau	0.00 (0.00, 0.00)	0.09 (0.05, 0.17)	0.00 (0.00, 0.00)	0.13 (0.08, 0.22)	-0.28 (-0.80, 0.23)
Tonga	0.02 (0.01, 0.03)	0.04 (0.03, 0.07)	0.02 (0.01, 0.03)	0.04 (0.03, 0.07)	0.13 (0.04, 0.22)
Trinidad and Tobago	0.93 (0.79, 1.07)	0.18 (0.16, 0.21)	0.53 (0.38, 0.73)	0.11 (0.08, 0.15)	-2.95 (-3.58, -2.31)
Tunisia	2.06 (1.24, 4.03)	0.06 (0.04, 0.12)	3.98 (1.55, 6.50)	0.09 (0.04, 0.15)	1.95 (1.60, 2.29)
Turkey	61.01 (38.83, 88.30)	0.26 (0.16, 0.37)	38.97 (27.92, 51.84)	0.12 (0.09, 0.16)	-1.96 (-2.14, -1.77)
Turkmenistan	1.57 (1.26, 2.00)	0.10 (0.08, 0.13)	3.13 (2.29, 4.21)	0.15 (0.11, 0.20)	0.74 (0.30, 1.18)
Tuvalu	0.00 (0.00, 0.01)	0.11 (0.06, 0.22)	0.00 (0.00, 0.01)	0.08 (0.05, 0.14)	-1.01 (-1.07, -0.96)
Uganda	5.23 (1.36, 12.60)	0.08 (0.02, 0.20)	10.57 (3.99, 21.80)	0.06 (0.02, 0.13)	-1.70 (-1.97, -1.43)
Ukraine	8.03 (6.90, 9.22)	0.04 (0.04, 0.05)	7.35 (5.24, 9.73)	0.05 (0.04, 0.07)	0.53 (0.15, 0.91)
United Arab Emirates	1.88 (0.70, 3.55)	0.20 (0.07, 0.37)	2.32 (1.17, 3.14)	0.06 (0.03, 0.08)	-4.51 (-5.07, -3.94)
United Kingdom	9.46 (8.42, 11.18)	0.05 (0.04, 0.05)	7.75 (7.49, 8.00)	0.04 (0.03, 0.04)	-0.76 (-0.93, -0.59)
United Republic of Tanzania	8.22 (2.59, 17.00)	0.08 (0.03, 0.18)	14.43 (5.01, 28.41)	0.06 (0.02, 0.12)	-1.22 (-1.36, -1.09)
United States of America	74.55 (65.52, 82.00)	0.07 (0.06, 0.08)	70.23 (64.96, 75.45)	0.06 (0.06, 0.07)	-0.64 (-0.80, -0.48)
United States Virgin Islands	0.08 (0.04, 0.10)	0.19 (0.10, 0.26)	0.03 (0.02, 0.04)	0.12 (0.08, 0.17)	-1.23 (-1.58, -0.88)
Uruguay	1.06 (0.89, 1.24)	0.09 (0.08, 0.11)	0.82 (0.72, 0.93)	0.07 (0.06, 0.08)	-1.18 (-1.32, -1.04)
Uzbekistan	29.15 (23.15, 35.83)	0.34 (0.27, 0.42)	29.83 (23.85, 36.58)	0.22 (0.17, 0.27)	-1.69 (-1.90, -1.49)
Vanuatu	0.05 (0.03, 0.09)	0.08 (0.04, 0.15)	0.11 (0.06, 0.20)	0.09 (0.05, 0.16)	-0.11 (-0.26, 0.03)
Venezuela (Bolivarian Republic of)	2.04 (1.64, 2.49)	0.03 (0.02, 0.03)	1.22 (0.90, 1.59)	0.01 (0.01, 0.02)	-3.32 (-3.83, -2.81)
Viet Nam	15.12 (8.73, 27.74)	0.05 (0.03, 0.10)	16.63 (9.33, 31.02)	0.04 (0.02, 0.08)	-0.65 (-0.78, -0.53)
Yemen	3.05 (1.30, 5.74)	0.07 (0.03, 0.12)	17.44 (4.26, 29.68)	0.13 (0.03, 0.22)	2.86 (2.24, 3.49)
Zambia	2.72 (1.01, 5.91)	0.09 (0.03, 0.19)	9.36 (2.53, 20.84)	0.12 (0.03, 0.26)	1.12 (0.84, 1.41)
Zimbabwe	1.98 (0.69, 3.89)	0.05 (0.02, 0.10)	6.04 (2.97, 10.15)	0.10 (0.05, 0.16)	2.72 (1.99, 3.46)

**Abbreviation:** EAPC, estimated annual percentage change; ASMR, age-standardized rates for mortality; UI, uncertainty interval; SDI, socio-demographic index; GBD, global burden of disease.

**Supplementary Table SXIX.** Tuberculosis mortality in 1990 and 2021 in adolescents and young adults and EAPC in ASMR by location

location	Number in 1990 (95% UI)	Rate in 1990 (95% UI)	Number in 2021 (95% UI)	Rate in 2021 (95% UI)	EAPC in ASMR between 1990 and 2021
Global	336050.94 (293355.72, 374907.41)	15.33 (13.38, 17.11)	202195.93 (184107.73, 224021.42)	6.80 (6.19, 7.53)	-2.91 (-3.17, -2.64)
SDI regions					
High SDI	2967.94 (2733.26, 3205.47)	0.86 (0.79, 0.92)	622.63 (509.93, 836.45)	0.18 (0.14, 0.24)	-5.07 (-5.37, -4.77)
High-middle SDI	17014.31 (14681.07, 19415.27)	3.76 (3.24, 4.29)	4667.69 (4210.71, 5285.98)	1.06 (0.96, 1.20)	-4.42 (-5.13, -3.70)
Middle SDI	91749.08 (81760.68, 100399.36)	12.19 (10.86, 13.34)	39305.41 (35290.35, 45694.82)	4.24 (3.80, 4.93)	-3.71 (-4.03, -3.39)
Low-middle SDI	148053.53 (128958.32, 167157.99)	32.65 (28.44, 36.87)	90310.78 (79447.66, 101231.60)	11.25 (9.90, 12.61)	-3.69 (-3.95, -3.43)
Low SDI	76074.77 (63507.96, 90262.76)	41.28 (34.46, 48.97)	67171.31 (56657.64, 80773.84)	14.96 (12.62, 17.99)	-3.47 (-3.70, -3.25)
GBD regions					
Central Asia	1948.78 (1831.38, 2086.54)	6.85 (6.44, 7.33)	1183.08 (1034.82, 1351.26)	3.16 (2.77, 3.61)	-4.59 (-5.95, -3.21)
East Asia	27515.76 (22626.96, 32537.46)	4.86 (4.00, 5.75)	3958.41 (3222.67, 5062.11)	0.83 (0.67, 1.06)	-6.26 (-6.58, -5.93)
South Asia	156582.93 (136598.14, 178624.31)	36.28 (31.65, 41.38)	90066.50 (80026.91, 103237.66)	11.39 (10.12, 13.05)	-4.11 (-4.41, -3.81)
Southeast Asia	55836.66 (47696.60, 62624.30)	28.34 (24.21, 31.79)	23366.26 (20136.87, 27384.86)	8.43 (7.26, 9.87)	-4.01 (-4.22, -3.79)
High-income Asia Pacific	1194.51 (1060.55, 1337.55)	1.77 (1.57, 1.98)	52.24 (46.69, 58.48)	0.10 (0.09, 0.12)	-9.34 (-9.68, -9.01)
Oceania	476.71 (291.73, 648.45)	17.95 (10.98, 24.41)	616.58 (481.60, 753.71)	10.94 (8.55, 13.38)	-1.61 (-1.70, -1.51)
Australasia	4.91 (4.60, 5.26)	0.06 (0.06, 0.06)	1.50 (1.37, 1.65)	0.01 (0.01, 0.02)	-5.14 (-5.47, -4.81)
Central Europe	788.47 (753.25, 823.11)	1.68 (1.61, 1.76)	122.30 (112.92, 132.97)	0.35 (0.32, 0.38)	-5.77 (-6.12, -5.42)
Eastern Europe	2325.16 (2281.73, 2368.66)	2.71 (2.66, 2.76)	1322.61 (1230.28, 1420.53)	2.00 (1.86, 2.15)	-1.79 (-3.61, 0.06)
Western Europe	413.04 (402.02, 424.06)	0.29 (0.28, 0.29)	56.87 (54.99, 58.91)	0.04 (0.04, 0.05)	-6.40 (-6.61, -6.20)
Andean Latin America	3986.56 (3411.62, 4624.69)	25.78 (22.06, 29.91)	940.89 (755.68, 1141.82)	3.47 (2.79, 4.22)	-6.96 (-7.41, -6.50)
Central Latin America	3045.16 (2952.02, 3135.92)	4.46 (4.32, 4.59)	1070.95 (951.36, 1203.03)	1.06 (0.94, 1.19)	-4.72 (-5.23, -4.21)
High-income North America	251.54 (246.44, 256.89)	0.22 (0.22, 0.23)	54.00 (51.76, 56.18)	0.04 (0.04, 0.05)	-5.68 (-6.65, -4.69)
Southern Latin America	444.94 (420.29, 473.11)	2.33 (2.20, 2.48)	164.37 (152.20, 178.21)	0.64 (0.59, 0.69)	-4.00 (-4.58, -3.43)
Tropical Latin America	2089.59 (2027.30, 2155.30)	3.25 (3.15, 3.35)	1028.88 (993.39, 1065.69)	1.17 (1.12, 1.21)	-3.82 (-4.16, -3.48)
Caribbean	1058.74 (860.56, 1999.97)	7.12 (5.79, 13.45)	663.27 (436.95, 1478.90)	3.64 (2.40, 8.12)	-1.91 (-2.18, -1.65)
Central Sub-Saharan Africa	9717.49 (6771.26, 13262.65)	46.80 (32.61, 63.88)	14558.88 (9887.96, 20818.59)	26.91 (18.28, 38.48)	-1.64 (-1.95, -1.33)
Eastern Sub-Saharan Africa	38323.85 (31225.81, 46560.50)	54.06 (44.05, 65.68)	33907.01 (26765.63, 42798.91)	19.35 (15.28, 24.43)	-3.49 (-3.66, -3.32)
North Africa and Middle East	6257.98 (5103.12, 9312.31)	4.68 (3.81, 6.96)	4129.11 (3173.49, 5646.53)	1.62 (1.25, 2.22)	-3.80 (-4.00, -3.59)
Southern Sub-Saharan Africa	8886.86 (7686.12, 10716.74)	41.11 (35.56, 49.58)	9336.81 (7847.18, 11049.19)	27.43 (23.06, 32.46)	-1.16 (-2.37, 0.05)
Western Sub-Saharan Africa	14901.31 (12081.08, 18133.08)	20.82 (16.88, 25.33)	15595.42 (11640.96, 20029.36)	8.16 (6.09, 10.48)	-3.09 (-3.33, -2.85)
Countries					
Afghanistan	1633.25 (1128.67, 2632.16)	51.86 (35.84, 83.57)	2253.40 (1640.54, 3378.40)	18.44 (13.42, 27.64)	-4.09 (-4.63, -3.55)
Albania	16.01 (12.89, 19.99)	1.13 (0.91, 1.41)	2.58 (1.78, 4.04)	0.27 (0.19, 0.43)	-5.53 (-5.97, -5.08)

location	Number in 1990 (95% UI)	Rate in 1990 (95% UI)	Number in 2021 (95% UI)	Rate in 2021 (95% UI)	EAPC in ASMR between 1990 and 2021
Algeria	528.70 (367.43, 785.55)	5.23 (3.64, 7.77)	204.44 (148.00, 301.35)	1.20 (0.87, 1.77)	-4.72 (-4.93, -4.51)
American Samoa	0.32 (0.24, 0.41)	1.57 (1.21, 2.00)	0.16 (0.12, 0.21)	0.91 (0.67, 1.21)	-1.96 (-2.45, -1.46)
Andorra	0.01 (0.01, 0.01)	0.04 (0.02, 0.06)	0.00 (0.00, 0.00)	0.01 (0.01, 0.02)	-3.84 (-4.01, -3.68)
Angola	2056.75 (1339.54, 2951.65)	52.57 (34.24, 75.44)	2487.68 (1583.80, 3564.88)	20.45 (13.02, 29.30)	-2.78 (-3.13, -2.42)
Antigua and Barbuda	0.18 (0.16, 0.19)	0.68 (0.62, 0.75)	0.04 (0.03, 0.04)	0.10 (0.09, 0.12)	-5.64 (-5.92, -5.36)
Argentina	266.61 (249.28, 285.05)	2.18 (2.04, 2.33)	118.14 (108.52, 128.42)	0.67 (0.62, 0.73)	-3.65 (-4.27, -3.02)
Armenia	29.56 (26.91, 31.94)	2.06 (1.87, 2.22)	6.14 (5.50, 6.85)	0.57 (0.51, 0.64)	-5.96 (-7.08, -4.82)
Australia	3.47 (3.21, 3.78)	0.05 (0.05, 0.06)	1.40 (1.27, 1.55)	0.02 (0.01, 0.02)	-4.18 (-4.54, -3.82)
Austria	7.53 (6.93, 8.14)	0.25 (0.23, 0.27)	0.96 (0.87, 1.07)	0.03 (0.03, 0.04)	-6.87 (-7.16, -6.59)
Azerbaijan	248.18 (196.96, 311.41)	7.81 (6.20, 9.80)	159.32 (104.53, 243.77)	3.76 (2.47, 5.75)	-4.42 (-5.26, -3.58)
Bahamas	3.43 (3.11, 3.79)	2.91 (2.63, 3.21)	1.35 (1.08, 1.72)	0.87 (0.70, 1.11)	-4.67 (-5.03, -4.31)
Bahrain	3.44 (2.69, 4.57)	1.34 (1.05, 1.78)	2.04 (1.56, 2.86)	0.29 (0.22, 0.41)	-5.21 (-5.58, -4.83)
Bangladesh	17138.26 (13508.26, 20549.86)	40.60 (32.00, 48.68)	4320.09 (3347.04, 5587.92)	6.28 (4.86, 8.12)	-5.94 (-6.13, -5.75)
Barbados	0.78 (0.73, 0.85)	0.72 (0.67, 0.78)	0.16 (0.12, 0.20)	0.16 (0.12, 0.20)	-5.60 (-6.08, -5.11)
Belarus	61.97 (58.08, 66.19)	1.57 (1.47, 1.68)	26.93 (22.00, 32.35)	0.92 (0.75, 1.10)	-2.40 (-4.26, -0.51)
Belgium	6.95 (6.37, 7.53)	0.19 (0.17, 0.20)	1.00 (0.90, 1.12)	0.03 (0.03, 0.03)	-6.43 (-6.64, -6.22)
Belize	3.64 (3.36, 3.93)	4.98 (4.60, 5.38)	3.09 (2.72, 3.47)	1.64 (1.44, 1.84)	-3.94 (-4.32, -3.57)
Benin	276.18 (214.29, 370.09)	16.22 (12.58, 21.73)	293.10 (190.30, 450.02)	5.59 (3.63, 8.58)	-3.48 (-3.67, -3.29)
Bermuda	0.03 (0.03, 0.04)	0.13 (0.12, 0.15)	0.00 (0.00, 0.00)	0.01 (0.01, 0.01)	-7.72 (-8.01, -7.43)
Bhutan	59.62 (29.15, 104.40)	22.12 (10.82, 38.74)	15.59 (7.37, 29.61)	4.50 (2.13, 8.54)	-5.63 (-5.87, -5.39)
Bolivia (Plurinational State of)	955.37 (709.71, 1310.57)	38.74 (28.78, 53.14)	272.25 (178.39, 393.29)	5.54 (3.63, 8.00)	-6.72 (-7.10, -6.33)
Bosnia and Herzegovina	47.81 (40.37, 57.14)	2.52 (2.13, 3.01)	4.93 (3.57, 6.42)	0.49 (0.35, 0.64)	-5.73 (-6.17, -5.29)
Botswana	230.04 (131.48, 346.06)	44.69 (25.54, 67.23)	165.96 (100.05, 245.06)	15.58 (9.39, 23.00)	-3.51 (-3.93, -3.09)
Brazil	2032.91 (1970.88, 2095.89)	3.24 (3.14, 3.34)	985.53 (949.82, 1021.62)	1.16 (1.11, 1.20)	-3.86 (-4.20, -3.51)
Brunei Darussalam	4.54 (3.55, 5.62)	3.69 (2.88, 4.56)	1.77 (1.45, 2.14)	0.87 (0.71, 1.05)	-5.07 (-5.59, -4.56)
Bulgaria	26.84 (24.93, 28.72)	0.90 (0.84, 0.96)	4.64 (3.97, 5.30)	0.24 (0.21, 0.28)	-4.83 (-5.24, -4.42)
Burkina Faso	521.07 (406.74, 658.44)	16.34 (12.76, 20.65)	893.28 (630.94, 1222.94)	10.32 (7.29, 14.13)	-1.05 (-1.25, -0.85)
Burundi	1660.98 (1203.92, 2295.94)	80.12 (58.08, 110.75)	1588.49 (1135.82, 2130.09)	30.13 (21.54, 40.40)	-3.55 (-3.75, -3.35)
Cabo Verde	14.08 (10.56, 19.32)	10.77 (8.08, 14.77)	5.78 (3.44, 10.40)	2.31 (1.37, 4.15)	-5.33 (-5.61, -5.04)
Cambodia	2048.86 (1436.80, 2619.20)	53.21 (37.32, 68.03)	986.37 (602.60, 1576.53)	13.62 (8.32, 21.77)	-4.97 (-5.26, -4.68)
Cameroon	654.87 (456.07, 876.91)	17.22 (11.99, 23.06)	968.09 (535.36, 1592.38)	7.51 (4.15, 12.35)	-2.61 (-3.00, -2.22)
Canada	17.32 (16.05, 18.71)	0.16 (0.14, 0.17)	4.24 (3.78, 4.71)	0.04 (0.03, 0.04)	-5.15 (-5.93, -4.36)
Central African Republic	893.84 (570.04, 1219.43)	85.84 (54.74, 117.10)	1497.88 (961.22, 2261.20)	68.61 (44.03, 103.57)	-0.88 (-1.03, -0.73)
Chad	537.67 (367.89, 736.82)	25.61 (17.53, 35.10)	1024.42 (682.16, 1452.18)	16.28 (10.84, 23.08)	-1.52 (-1.92, -1.13)
Chile	165.30 (154.14, 178.36)	2.89 (2.69, 3.11)	41.05 (37.30, 44.91)	0.58 (0.53, 0.63)	-5.02 (-5.52, -4.51)

location	Number in 1990 (95% UI)	Rate in 1990 (95% UI)	Number in 2021 (95% UI)	Rate in 2021 (95% UI)	EAPC in ASMR between 1990 and 2021
China	25597.59 (20934.31, 30307.59)	4.67 (3.82, 5.53)	2706.53 (2134.95, 3537.42)	0.59 (0.46, 0.77)	-7.20 (-7.56, -6.85)
Colombia	366.33 (346.44, 387.87)	2.61 (2.47, 2.76)	127.63 (109.96, 148.96)	0.64 (0.55, 0.74)	-4.82 (-5.33, -4.30)
Comoros	65.19 (27.60, 95.82)	37.74 (15.98, 55.47)	49.16 (32.65, 67.42)	15.87 (10.54, 21.76)	-3.64 (-4.35, -2.93)
Congo	374.45 (221.43, 538.42)	39.53 (23.37, 56.84)	401.03 (240.25, 626.81)	18.10 (10.84, 28.29)	-2.67 (-3.05, -2.29)
Cook Islands	0.09 (0.06, 0.12)	1.13 (0.78, 1.56)	0.02 (0.01, 0.02)	0.29 (0.20, 0.41)	-3.93 (-4.31, -3.56)
Costa Rica	17.20 (16.08, 18.38)	1.34 (1.25, 1.43)	6.07 (5.50, 6.58)	0.32 (0.29, 0.35)	-5.05 (-5.64, -4.45)
Coted'Ivoire	895.17 (661.91, 1145.86)	18.93 (13.99, 24.23)	936.12 (600.36, 1451.67)	8.35 (5.35, 12.95)	-2.45 (-2.78, -2.13)
Croatia	29.38 (27.47, 31.25)	1.62 (1.51, 1.72)	1.96 (1.75, 2.17)	0.16 (0.14, 0.17)	-7.59 (-7.90, -7.28)
Cuba	21.67 (20.42, 23.00)	0.44 (0.42, 0.47)	2.05 (1.79, 2.32)	0.06 (0.05, 0.06)	-6.96 (-7.20, -6.71)
Cyprus	0.55 (0.34, 0.85)	0.18 (0.11, 0.28)	0.16 (0.12, 0.21)	0.03 (0.02, 0.04)	-6.70 (-7.18, -6.22)
Czechia	13.39 (12.30, 14.54)	0.36 (0.33, 0.39)	1.55 (1.35, 1.76)	0.05 (0.05, 0.06)	-5.92 (-6.14, -5.70)
Democratic People's Republic of Korea	1662.46 (1123.92, 2460.54)	19.93 (13.47, 29.50)	1232.01 (796.99, 1941.76)	12.25 (7.92, 19.30)	-2.04 (-2.35, -1.72)
Democratic Republic of the Congo	6206.97 (4103.16, 8974.75)	43.33 (28.64, 62.65)	10045.64 (6612.16, 15511.78)	27.84 (18.32, 42.99)	-1.24 (-1.59, -0.90)
Denmark	2.12 (1.98, 2.29)	0.11 (0.10, 0.12)	0.33 (0.30, 0.36)	0.02 (0.02, 0.02)	-6.93 (-7.37, -6.48)
Djibouti	56.19 (35.09, 83.17)	32.05 (20.01, 47.44)	74.31 (39.70, 119.26)	13.74 (7.34, 22.05)	-2.59 (-3.17, -2.01)
Dominica	0.85 (0.73, 0.99)	2.90 (2.49, 3.40)	0.30 (0.23, 0.40)	1.17 (0.87, 1.55)	-3.77 (-4.16, -3.38)
Dominican Republic	378.44 (322.45, 440.45)	12.32 (10.50, 14.34)	189.88 (134.08, 297.69)	4.18 (2.95, 6.55)	-3.25 (-3.66, -2.83)
Ecuador	629.92 (592.18, 666.86)	15.27 (14.35, 16.16)	131.66 (106.50, 159.55)	1.80 (1.46, 2.18)	-7.07 (-7.48, -6.66)
Egypt	517.13 (409.44, 606.27)	2.36 (1.87, 2.77)	159.14 (121.17, 209.50)	0.38 (0.29, 0.50)	-5.30 (-5.77, -4.83)
El Salvador	145.92 (122.84, 167.73)	6.98 (5.88, 8.03)	33.81 (25.85, 44.64)	1.30 (1.00, 1.72)	-5.37 (-5.91, -4.83)
Equatorial Guinea	92.87 (60.71, 133.53)	61.50 (40.21, 88.43)	51.83 (25.75, 97.74)	7.45 (3.70, 14.05)	-7.65 (-8.16, -7.13)
Eritrea	959.87 (596.28, 1294.25)	74.07 (46.01, 99.87)	1077.52 (620.26, 1863.96)	38.48 (22.15, 66.57)	-2.49 (-2.68, -2.29)
Estonia	13.21 (12.31, 14.04)	2.33 (2.17, 2.47)	1.60 (1.41, 1.82)	0.40 (0.36, 0.46)	-6.16 (-7.51, -4.78)
Eswatini	100.98 (65.61, 145.93)	33.51 (21.77, 48.42)	176.25 (102.76, 259.26)	34.62 (20.18, 50.92)	0.74 (-0.24, 1.73)
Ethiopia	15587.56 (12369.76, 18345.66)	85.32 (67.71, 100.42)	5984.66 (4976.53, 7132.61)	12.91 (10.74, 15.39)	-6.62 (-6.87, -6.37)
Fiji	12.90 (10.32, 16.08)	4.00 (3.20, 4.99)	6.17 (4.64, 8.15)	1.73 (1.30, 2.29)	-2.67 (-2.83, -2.52)
Finland	7.60 (7.05, 8.10)	0.42 (0.39, 0.45)	1.04 (0.97, 1.12)	0.06 (0.06, 0.07)	-6.44 (-6.72, -6.14)
France	89.98 (84.13, 96.07)	0.41 (0.38, 0.44)	13.65 (12.58, 14.72)	0.07 (0.06, 0.07)	-6.29 (-6.61, -5.97)
Gabon	92.60 (53.57, 139.29)	24.08 (13.93, 36.21)	74.82 (39.88, 120.32)	9.98 (5.32, 16.05)	-2.85 (-3.21, -2.49)
Gambia	76.97 (54.22, 111.77)	20.41 (14.38, 29.64)	109.22 (71.13, 173.58)	10.92 (7.11, 17.36)	-2.31 (-2.60, -2.01)
Georgia	117.64 (103.39, 134.43)	5.53 (4.86, 6.31)	14.68 (12.65, 17.18)	1.29 (1.12, 1.51)	-4.99 (-5.97, -3.99)
Germany	83.57 (77.86, 89.26)	0.28 (0.26, 0.30)	10.55 (9.77, 11.34)	0.04 (0.04, 0.04)	-6.44 (-7.16, -5.71)
Ghana	1444.42 (1092.96, 1931.25)	25.16 (19.04, 33.64)	1319.87 (916.49, 1896.41)	9.23 (6.41, 13.26)	-2.74 (-2.97, -2.50)
Greece	9.51 (8.88, 10.24)	0.25 (0.24, 0.27)	1.84 (1.69, 2.00)	0.07 (0.06, 0.07)	-4.33 (-4.66, -3.99)
Greenland	0.25 (0.18, 0.43)	0.95 (0.69, 1.61)	0.06 (0.04, 0.09)	0.31 (0.20, 0.46)	-4.81 (-5.44, -4.17)

location	Number in 1990 (95% UI)	Rate in 1990 (95% UI)	Number in 2021 (95% UI)	Rate in 2021 (95% UI)	EAPC in ASMR between 1990 and 2021
Grenada	0.39 (0.35, 0.43)	1.17 (1.06, 1.29)	0.06 (0.05, 0.07)	0.14 (0.12, 0.17)	-6.19 (-6.60, -5.79)
Guam	1.34 (1.14, 1.59)	2.11 (1.79, 2.50)	0.98 (0.84, 1.14)	1.76 (1.51, 2.05)	-1.52 (-2.02, -1.03)
Guatemala	417.72 (395.44, 442.34)	14.14 (13.39, 14.97)	104.85 (90.89, 120.55)	1.54 (1.34, 1.77)	-7.80 (-8.62, -6.97)
Guinea	387.71 (297.44, 510.99)	18.87 (14.48, 24.87)	526.81 (353.49, 807.40)	10.20 (6.84, 15.63)	-1.68 (-1.89, -1.47)
Guinea-Bissau	193.09 (142.49, 252.11)	52.07 (38.42, 67.98)	194.44 (127.57, 270.96)	23.04 (15.12, 32.11)	-2.49 (-2.58, -2.39)
Guyana	35.44 (29.81, 40.20)	10.41 (8.76, 11.81)	11.62 (8.79, 15.02)	3.74 (2.83, 4.83)	-3.30 (-3.92, -2.68)
Haiti	537.21 (364.91, 1449.56)	22.07 (14.99, 59.55)	423.00 (231.22, 1216.98)	7.71 (4.21, 22.17)	-3.17 (-3.42, -2.92)
Honduras	200.83 (158.41, 254.68)	11.63 (9.18, 14.75)	90.16 (48.81, 138.61)	2.05 (1.11, 3.15)	-6.21 (-6.53, -5.88)
Hungary	51.60 (48.11, 55.45)	1.40 (1.30, 1.50)	3.19 (2.77, 3.60)	0.12 (0.10, 0.13)	-8.10 (-8.39, -7.80)
Iceland	0.15 (0.14, 0.16)	0.14 (0.13, 0.15)	0.03 (0.03, 0.04)	0.03 (0.03, 0.03)	-5.80 (-6.12, -5.47)
India	124408.93 (110865.64, 144219.83)	36.48 (32.51, 42.29)	69930.04 (61184.68, 86172.78)	11.47 (10.04, 14.14)	-4.18 (-4.52, -3.84)
Indonesia	29130.41 (23416.74, 33707.78)	37.33 (30.00, 43.19)	12815.62 (10290.08, 16453.56)	11.25 (9.04, 14.45)	-3.76 (-4.06, -3.45)
Iran (Islamic Republic of)	190.18 (134.10, 235.79)	0.88 (0.62, 1.09)	113.57 (95.89, 143.54)	0.33 (0.28, 0.41)	-2.65 (-2.98, -2.33)
Iraq	268.02 (185.94, 376.93)	3.73 (2.59, 5.25)	136.34 (101.35, 198.31)	0.78 (0.58, 1.14)	-5.46 (-5.90, -5.01)
Ireland	2.86 (2.64, 3.09)	0.21 (0.19, 0.23)	0.57 (0.50, 0.63)	0.04 (0.03, 0.04)	-6.05 (-6.42, -5.69)
Israel	2.65 (2.49, 2.83)	0.14 (0.13, 0.15)	0.79 (0.74, 0.85)	0.02 (0.02, 0.03)	-6.44 (-6.81, -6.06)
Italy	37.68 (36.45, 38.88)	0.18 (0.17, 0.18)	5.99 (5.71, 6.28)	0.04 (0.04, 0.04)	-4.96 (-5.38, -4.53)
Jamaica	3.80 (3.50, 4.11)	0.39 (0.36, 0.42)	2.02 (1.56, 2.62)	0.17 (0.13, 0.22)	-4.19 (-4.87, -3.50)
Japan	69.28 (67.91, 70.51)	0.15 (0.15, 0.16)	9.87 (9.61, 10.17)	0.03 (0.03, 0.03)	-5.45 (-5.74, -5.16)
Jordan	8.55 (6.22, 11.02)	0.56 (0.40, 0.72)	7.39 (5.72, 10.00)	0.14 (0.11, 0.19)	-5.26 (-5.66, -4.86)
Kazakhstan	507.17 (454.79, 565.73)	7.47 (6.70, 8.33)	142.61 (128.78, 156.32)	2.05 (1.85, 2.24)	-7.25 (-9.47, -4.97)
Kenya	2547.72 (1448.31, 3666.49)	29.09 (16.54, 41.87)	4718.41 (2781.49, 6369.73)	21.79 (12.85, 29.42)	-0.39 (-0.90, 0.13)
Kiribati	18.18 (14.35, 22.29)	59.53 (47.00, 73.02)	19.26 (13.20, 27.17)	38.73 (26.55, 54.63)	-1.42 (-1.51, -1.34)
Kuwait	8.33 (7.60, 9.24)	0.99 (0.90, 1.09)	6.03 (5.00, 7.12)	0.28 (0.24, 0.34)	-5.06 (-5.68, -4.44)
Kyrgyzstan	113.85 (101.08, 127.44)	6.31 (5.60, 7.07)	87.01 (73.23, 103.85)	3.20 (2.69, 3.82)	-3.89 (-5.53, -2.23)
Lao People's Democratic Republic	729.45 (470.78, 974.73)	47.21 (30.47, 63.09)	328.43 (200.35, 501.20)	10.24 (6.25, 15.62)	-5.38 (-5.66, -5.10)
Latvia	20.84 (19.54, 22.33)	2.18 (2.05, 2.34)	3.68 (3.28, 4.05)	0.68 (0.61, 0.75)	-4.48 (-5.52, -3.43)
Lebanon	18.04 (11.05, 26.76)	1.57 (0.96, 2.32)	4.44 (3.55, 5.65)	0.19 (0.15, 0.24)	-7.08 (-7.39, -6.77)
Lesotho	254.01 (146.61, 379.36)	47.08 (27.17, 70.31)	626.26 (396.09, 842.25)	75.29 (47.62, 101.25)	2.81 (2.13, 3.49)
Liberia	130.06 (96.04, 166.52)	14.10 (10.41, 18.05)	165.30 (93.68, 321.73)	7.36 (4.17, 14.33)	-3.04 (-3.42, -2.66)
Libya	29.12 (20.16, 41.95)	1.73 (1.20, 2.50)	25.95 (16.19, 39.08)	0.86 (0.54, 1.30)	-1.68 (-2.20, -1.16)
Lithuania	47.97 (44.32, 52.05)	3.44 (3.18, 3.74)	9.73 (8.58, 10.94)	1.21 (1.07, 1.36)	-3.53 (-4.70, -2.35)
Luxembourg	0.18 (0.16, 0.19)	0.12 (0.11, 0.13)	0.03 (0.03, 0.03)	0.01 (0.01, 0.01)	-8.13 (-8.45, -7.80)
Madagascar	2607.93 (2027.48, 3169.64)	57.57 (44.76, 69.98)	2622.46 (1811.82, 3851.95)	22.39 (15.47, 32.89)	-2.78 (-2.93, -2.63)
Malawi	1611.88 (1119.92, 2223.76)	43.14 (29.97, 59.51)	1585.51 (973.85, 2437.78)	19.38 (11.90, 29.79)	-2.72 (-3.12, -2.33)

location	Number in 1990 (95% UI)	Rate in 1990 (95% UI)	Number in 2021 (95% UI)	Rate in 2021 (95% UI)	EAPC in ASMR between 1990 and 2021
Malaysia	434.17 (334.61, 525.17)	5.85 (4.51, 7.08)	219.82 (183.56, 264.26)	1.58 (1.32, 1.90)	-4.70 (-5.05, -4.36)
Maldives	17.44 (13.45, 20.75)	21.47 (16.55, 25.53)	3.46 (2.67, 4.40)	1.33 (1.02, 1.69)	-9.62 (-10.38, -8.86)
Mali	641.44 (533.69, 777.57)	21.48 (17.88, 26.04)	649.53 (462.90, 954.12)	7.29 (5.20, 10.71)	-3.31 (-3.44, -3.18)
Malta	0.08 (0.08, 0.09)	0.06 (0.06, 0.07)	0.02 (0.02, 0.02)	0.02 (0.01, 0.02)	-5.03 (-5.33, -4.73)
Marshall Islands	8.71 (5.80, 11.16)	50.75 (33.79, 65.09)	7.56 (4.98, 10.66)	31.87 (20.98, 44.95)	-1.36 (-1.56, -1.16)
Mauritania	128.45 (91.69, 165.61)	16.71 (11.93, 21.54)	59.39 (40.37, 96.87)	3.48 (2.36, 5.67)	-4.90 (-5.00, -4.79)
Mauritius	5.42 (5.06, 5.82)	1.09 (1.02, 1.17)	1.46 (1.33, 1.57)	0.32 (0.29, 0.34)	-3.84 (-4.12, -3.56)
Mexico	1545.46 (1506.14, 1587.21)	4.33 (4.22, 4.45)	505.02 (458.33, 550.95)	0.98 (0.89, 1.07)	-4.48 (-5.04, -3.91)
Micronesia (Federated States of)	5.06 (3.31, 7.26)	12.62 (8.26, 18.11)	2.30 (1.55, 3.26)	5.42 (3.66, 7.68)	-2.73 (-2.83, -2.63)
Monaco	0.03 (0.02, 0.04)	0.36 (0.26, 0.47)	0.01 (0.01, 0.02)	0.12 (0.08, 0.18)	-3.66 (-3.82, -3.51)
Mongolia	179.36 (116.45, 261.41)	20.30 (13.18, 29.58)	136.45 (95.06, 215.87)	10.81 (7.53, 17.10)	-2.97 (-3.61, -2.32)
Montenegro	1.65 (1.19, 2.25)	0.66 (0.47, 0.90)	0.44 (0.32, 0.58)	0.21 (0.15, 0.28)	-4.45 (-4.96, -3.94)
Morocco	1165.59 (862.88, 2263.12)	11.21 (8.30, 21.77)	382.04 (251.39, 720.82)	2.60 (1.71, 4.91)	-4.64 (-4.88, -4.40)
Mozambique	2326.25 (1645.58, 3281.18)	49.05 (34.69, 69.18)	4127.28 (2639.73, 6014.35)	34.33 (21.95, 50.02)	-0.35 (-0.70, 0.01)
Myanmar	10219.11 (7874.47, 12748.56)	59.53 (45.87, 74.26)	2252.53 (1631.66, 3095.90)	10.02 (7.26, 13.77)	-6.17 (-6.56, -5.79)
Namibia	189.92 (124.46, 252.69)	33.96 (22.26, 45.19)	190.85 (115.68, 309.18)	18.26 (11.07, 29.58)	-2.29 (-2.95, -1.63)
Nauru	0.94 (0.55, 1.25)	23.23 (13.55, 30.98)	0.60 (0.39, 0.85)	12.97 (8.38, 18.20)	-1.83 (-2.50, -1.15)
Nepal	2625.61 (1824.10, 3472.47)	35.94 (24.97, 47.53)	760.11 (526.44, 1080.36)	5.67 (3.93, 8.06)	-6.05 (-6.29, -5.80)
Netherlands	7.24 (6.80, 7.71)	0.12 (0.11, 0.13)	1.20 (1.12, 1.28)	0.02 (0.02, 0.02)	-6.17 (-6.51, -5.84)
New Zealand	1.44 (1.33, 1.55)	0.10 (0.10, 0.11)	0.11 (0.10, 0.11)	0.01 (0.01, 0.01)	-9.28 (-10.18, -8.36)
Nicaragua	111.74 (99.46, 125.43)	7.57 (6.74, 8.50)	47.52 (38.09, 61.46)	1.67 (1.34, 2.16)	-5.33 (-5.69, -4.98)
Niger	772.40 (551.52, 1182.41)	27.75 (19.81, 42.48)	1008.55 (620.64, 1676.64)	11.31 (6.96, 18.80)	-3.26 (-3.50, -3.01)
Nigeria	7063.51 (5115.40, 9196.17)	20.69 (14.98, 26.93)	6150.35 (3732.63, 8870.30)	6.84 (4.15, 9.86)	-3.88 (-4.23, -3.52)
Niue	0.03 (0.02, 0.04)	3.38 (2.31, 4.92)	0.01 (0.01, 0.01)	1.33 (1.00, 1.83)	-3.31 (-3.44, -3.18)
North Macedonia	15.01 (12.38, 18.04)	1.89 (1.56, 2.27)	1.90 (1.38, 2.68)	0.25 (0.18, 0.35)	-6.35 (-6.81, -5.89)
Northern Mariana Islands	1.67 (1.08, 2.29)	7.14 (4.60, 9.77)	0.25 (0.20, 0.34)	1.53 (1.22, 2.06)	-5.26 (-5.58, -4.94)
Norway	0.57 (0.55, 0.59)	0.04 (0.03, 0.04)	0.18 (0.17, 0.19)	0.01 (0.01, 0.01)	-4.34 (-4.86, -3.82)
Oman	8.55 (4.64, 13.74)	1.03 (0.56, 1.66)	4.03 (2.84, 6.39)	0.17 (0.12, 0.28)	-5.07 (-5.50, -4.64)
Pakistan	12350.50 (7600.07, 16542.20)	30.27 (18.63, 40.54)	15040.68 (10494.83, 19063.23)	15.21 (10.61, 19.27)	-2.72 (-3.20, -2.24)
Palau	0.33 (0.23, 0.45)	4.74 (3.28, 6.46)	0.21 (0.16, 0.26)	3.51 (2.74, 4.48)	-0.63 (-0.78, -0.48)
Palestine	5.95 (3.70, 10.01)	0.78 (0.48, 1.30)	3.86 (2.62, 6.46)	0.18 (0.12, 0.30)	-4.60 (-4.82, -4.37)
Panama	52.80 (49.42, 56.08)	5.22 (4.89, 5.54)	25.05 (20.40, 29.37)	1.52 (1.24, 1.78)	-3.93 (-4.24, -3.62)
Papua New Guinea	373.21 (210.01, 523.66)	22.55 (12.69, 31.64)	522.40 (393.61, 646.71)	12.21 (9.20, 15.11)	-2.02 (-2.13, -1.92)
Paraguay	56.68 (48.43, 66.53)	3.62 (3.09, 4.24)	43.35 (33.05, 55.81)	1.42 (1.08, 1.82)	-3.05 (-3.20, -2.91)
Peru	2401.27 (1999.50, 2852.22)	27.07 (22.54, 32.15)	536.99 (400.18, 700.37)	3.61 (2.69, 4.71)	-7.13 (-7.77, -6.48)

location	Number in 1990 (95% UI)	Rate in 1990 (95% UI)	Number in 2021 (95% UI)	Rate in 2021 (95% UI)	EAPC in ASMR between 1990 and 2021
Philippines	5175.86 (4198.61, 6243.80)	19.97 (16.20, 24.09)	4188.37 (3534.60, 4900.59)	8.86 (7.48, 10.37)	-2.30 (-2.42, -2.18)
Poland	131.93 (129.55, 134.49)	0.91 (0.90, 0.93)	26.59 (24.59, 28.83)	0.22 (0.20, 0.24)	-4.91 (-5.51, -4.30)
Portugal	35.43 (32.98, 37.90)	0.94 (0.87, 1.00)	3.39 (3.08, 3.70)	0.11 (0.10, 0.13)	-8.28 (-8.96, -7.60)
Puerto Rico	19.38 (18.21, 20.74)	1.37 (1.29, 1.47)	1.55 (1.30, 1.81)	0.15 (0.13, 0.18)	-7.09 (-7.45, -6.72)
Qatar	7.40 (5.25, 10.49)	3.13 (2.22, 4.44)	7.34 (5.16, 10.52)	0.44 (0.31, 0.64)	-6.91 (-7.22, -6.60)
Republic of Korea	1108.17 (975.08, 1251.00)	5.26 (4.63, 5.94)	38.97 (33.43, 45.26)	0.24 (0.21, 0.28)	-10.16 (-10.51, -9.81)
Republic of Moldova	49.89 (47.32, 52.40)	2.86 (2.71, 3.01)	17.50 (15.66, 19.50)	1.41 (1.26, 1.57)	-2.93 (-4.38, -1.46)
Romania	381.31 (355.66, 409.81)	4.39 (4.09, 4.72)	65.13 (57.72, 72.45)	1.21 (1.07, 1.34)	-5.08 (-5.60, -4.56)
Russian Federation	1863.39 (1826.95, 1897.90)	3.20 (3.14, 3.26)	980.56 (917.63, 1048.96)	2.11 (1.97, 2.26)	-2.04 (-3.90, -0.14)
Rwanda	2014.69 (1405.24, 2650.59)	73.51 (51.28, 96.72)	768.94 (465.78, 1084.71)	13.56 (8.21, 19.13)	-6.62 (-7.23, -6.01)
Saint Kitts and Nevis	0.57 (0.53, 0.62)	3.30 (3.06, 3.59)	0.08 (0.06, 0.10)	0.34 (0.25, 0.46)	-6.47 (-7.35, -5.59)
Saint Lucia	2.15 (2.01, 2.30)	3.83 (3.58, 4.09)	0.60 (0.50, 0.71)	0.91 (0.76, 1.07)	-4.98 (-5.36, -4.60)
Saint Vincent and the Grenadines	1.65 (1.50, 1.81)	3.58 (3.26, 3.94)	0.26 (0.23, 0.30)	0.63 (0.55, 0.73)	-5.58 (-5.87, -5.29)
Samoa	3.05 (2.11, 4.27)	4.55 (3.15, 6.38)	2.14 (1.43, 3.11)	2.66 (1.78, 3.88)	-1.73 (-2.05, -1.40)
San Marino	0.01 (0.00, 0.01)	0.06 (0.05, 0.07)	0.00 (0.00, 0.00)	0.02 (0.01, 0.04)	-3.53 (-3.94, -3.13)
Sao Tome and Principe	3.29 (2.10, 4.55)	7.66 (4.89, 10.59)	2.72 (1.55, 4.53)	2.99 (1.70, 4.98)	-3.38 (-4.03, -2.73)
Saudi Arabia	392.78 (264.89, 540.76)	5.91 (3.99, 8.14)	307.25 (200.93, 504.03)	1.66 (1.08, 2.72)	-3.62 (-3.88, -3.35)
Senegal	604.54 (457.05, 747.67)	21.91 (16.56, 27.09)	502.54 (354.33, 726.46)	7.79 (5.50, 11.27)	-2.92 (-3.13, -2.72)
Serbia	42.78 (29.67, 58.38)	1.19 (0.83, 1.63)	5.25 (3.97, 6.92)	0.18 (0.13, 0.23)	-6.47 (-6.77, -6.17)
Seychelles	0.99 (0.84, 1.14)	3.16 (2.68, 3.64)	0.42 (0.34, 0.50)	1.10 (0.89, 1.31)	-3.92 (-4.31, -3.54)
Sierra Leone	273.56 (193.56, 376.83)	17.13 (12.12, 23.59)	431.45 (290.01, 675.17)	11.57 (7.78, 18.10)	-0.79 (-1.26, -0.31)
Singapore	12.52 (11.64, 13.39)	0.83 (0.77, 0.89)	1.62 (1.47, 1.79)	0.08 (0.08, 0.09)	-7.91 (-8.15, -7.67)
Slovakia	14.13 (11.47, 17.07)	0.69 (0.56, 0.83)	2.12 (1.66, 2.68)	0.12 (0.10, 0.16)	-5.17 (-5.47, -4.86)
Slovenia	4.03 (3.78, 4.27)	0.53 (0.49, 0.56)	0.25 (0.21, 0.28)	0.04 (0.04, 0.05)	-8.09 (-8.64, -7.55)
Solomon Islands	12.81 (6.35, 19.25)	9.99 (4.95, 15.01)	18.63 (13.57, 25.62)	6.81 (4.96, 9.37)	-0.95 (-1.09, -0.81)
Somalia	1834.17 (1011.19, 3143.90)	63.26 (34.88, 108.44)	4250.22 (2166.41, 7769.56)	51.26 (26.13, 93.71)	-0.83 (-1.06, -0.60)
South Africa	7253.24 (6205.19, 8840.57)	46.09 (39.43, 56.18)	5507.19 (4656.38, 6505.19)	22.71 (19.20, 26.83)	-2.66 (-4.10, -1.20)
South Sudan	788.96 (487.87, 1307.03)	34.18 (21.13, 56.62)	822.21 (524.85, 1301.98)	22.84 (14.58, 36.18)	-1.56 (-1.84, -1.27)
Spain	81.00 (75.58, 86.30)	0.55 (0.51, 0.58)	3.87 (3.54, 4.19)	0.03 (0.03, 0.03)	-9.18 (-9.43, -8.93)
Sri Lanka	442.21 (347.62, 529.35)	5.98 (4.70, 7.16)	83.77 (58.72, 119.48)	1.04 (0.73, 1.48)	-6.29 (-6.70, -5.87)
Sudan	530.60 (349.60, 799.76)	6.96 (4.59, 10.49)	268.81 (143.97, 425.69)	1.45 (0.78, 2.30)	-4.80 (-4.95, -4.65)
Suriname	4.43 (3.32, 5.31)	2.72 (2.04, 3.26)	1.92 (1.48, 2.43)	0.89 (0.69, 1.13)	-4.10 (-4.51, -3.69)
Sweden	1.05 (1.00, 1.11)	0.04 (0.03, 0.04)	0.21 (0.18, 0.23)	0.01 (0.01, 0.01)	-5.68 (-5.95, -5.42)
Switzerland	4.90 (4.57, 5.21)	0.19 (0.17, 0.20)	0.50 (0.46, 0.53)	0.02 (0.02, 0.02)	-8.35 (-8.65, -8.04)
Syrian Arab Republic	57.11 (42.78, 71.87)	1.19 (0.89, 1.50)	10.44 (6.93, 16.48)	0.21 (0.14, 0.32)	-5.74 (-6.49, -4.99)

location	Number in 1990 (95% UI)	Rate in 1990 (95% UI)	Number in 2021 (95% UI)	Rate in 2021 (95% UI)	EAPC in ASMR between 1990 and 2021
Taiwan (Province of China)	255.71 (238.21, 272.29)	2.77 (2.58, 2.95)	19.87 (17.98, 22.02)	0.26 (0.24, 0.29)	-8.33 (-8.69, -7.98)
Tajikistan	245.66 (202.97, 295.82)	11.62 (9.60, 13.99)	207.69 (145.65, 289.05)	4.98 (3.49, 6.93)	-4.59 (-5.37, -3.82)
Thailand	1846.48 (1348.90, 2834.75)	7.12 (5.20, 10.93)	516.63 (390.30, 714.14)	2.44 (1.84, 3.37)	-4.75 (-5.61, -3.87)
Timor-Leste	129.38 (88.40, 188.87)	40.65 (27.77, 59.34)	82.76 (56.95, 114.42)	14.48 (9.97, 20.03)	-3.67 (-4.31, -3.02)
Togo	282.33 (216.93, 366.15)	20.59 (15.82, 26.71)	354.27 (228.25, 585.41)	10.53 (6.78, 17.40)	-1.93 (-2.27, -1.59)
Tokelau	0.03 (0.02, 0.05)	5.75 (3.55, 8.59)	0.01 (0.01, 0.01)	1.79 (1.38, 2.23)	-3.94 (-4.01, -3.87)
Tonga	0.86 (0.61, 1.28)	2.34 (1.65, 3.46)	0.56 (0.39, 0.79)	1.43 (1.00, 2.03)	-1.24 (-1.36, -1.11)
Trinidad and Tobago	8.49 (7.90, 9.14)	1.69 (1.58, 1.82)	2.80 (2.17, 3.58)	0.56 (0.44, 0.72)	-3.61 (-4.00, -3.21)
Tunisia	54.54 (38.80, 86.00)	1.59 (1.13, 2.50)	19.99 (12.92, 33.70)	0.46 (0.30, 0.77)	-3.93 (-4.06, -3.80)
Turkey	685.31 (459.93, 974.00)	2.87 (1.92, 4.07)	72.93 (57.25, 92.70)	0.23 (0.18, 0.29)	-8.75 (-9.44, -8.06)
Turkmenistan	116.37 (108.64, 124.80)	7.58 (7.08, 8.13)	136.24 (106.38, 177.30)	6.55 (5.11, 8.52)	-1.93 (-3.04, -0.80)
Tuvalu	1.68 (1.13, 2.19)	46.47 (31.28, 60.76)	0.67 (0.47, 0.86)	13.45 (9.48, 17.31)	-3.77 (-3.99, -3.55)
Uganda	1708.19 (1048.35, 2836.61)	26.63 (16.34, 44.22)	2724.83 (1879.71, 3849.30)	15.84 (10.93, 22.38)	-2.64 (-3.25, -2.02)
Ukraine	267.90 (252.17, 285.66)	1.41 (1.33, 1.50)	282.61 (207.93, 367.27)	2.05 (1.51, 2.66)	-0.22 (-2.07, 1.66)
United Arab Emirates	7.56 (2.80, 17.40)	0.79 (0.29, 1.82)	7.58 (3.14, 13.03)	0.19 (0.08, 0.32)	-4.41 (-4.59, -4.23)
United Kingdom	31.04 (30.68, 31.43)	0.15 (0.15, 0.15)	10.49 (10.17, 10.82)	0.05 (0.05, 0.05)	-3.68 (-4.02, -3.34)
United Republic of Tanzania	3112.07 (2177.67, 4492.42)	32.12 (22.48, 46.37)	2876.78 (1867.43, 3999.29)	12.33 (8.00, 17.14)	-3.15 (-3.42, -2.88)
United States of America	233.96 (228.73, 238.96)	0.23 (0.22, 0.23)	49.69 (47.53, 51.81)	0.04 (0.04, 0.05)	-5.73 (-6.72, -4.72)
United States Virgin Islands	0.34 (0.27, 0.42)	0.87 (0.69, 1.05)	0.04 (0.03, 0.06)	0.18 (0.14, 0.24)	-5.96 (-6.49, -5.42)
Uruguay	13.01 (12.25, 13.78)	1.15 (1.08, 1.21)	5.17 (4.74, 5.59)	0.43 (0.40, 0.47)	-2.95 (-3.41, -2.48)
Uzbekistan	391.01 (372.71, 410.42)	4.56 (4.34, 4.78)	292.92 (253.27, 340.63)	2.13 (1.84, 2.48)	-4.09 (-5.65, -2.50)
Vanuatu	5.11 (3.02, 8.66)	8.71 (5.15, 14.79)	6.99 (4.24, 10.09)	5.61 (3.40, 8.10)	-1.67 (-1.79, -1.55)
Venezuela (Bolivarian Republic of)	187.16 (176.17, 196.75)	2.34 (2.20, 2.46)	130.86 (99.31, 171.56)	1.40 (1.06, 1.83)	-2.27 (-2.91, -1.63)
Viet Nam	5576.09 (4000.85, 7454.62)	19.55 (14.03, 26.14)	1854.02 (1365.68, 2586.76)	4.83 (3.56, 6.74)	-4.63 (-4.91, -4.34)
Yemen	134.41 (73.47, 250.80)	2.92 (1.60, 5.46)	128.25 (72.23, 241.09)	0.93 (0.52, 1.75)	-3.76 (-4.00, -3.52)
Zambia	1414.83 (1059.62, 1766.22)	46.63 (34.92, 58.21)	606.72 (347.23, 1121.25)	7.50 (4.29, 13.85)	-7.02 (-8.20, -5.82)
Zimbabwe	858.67 (693.30, 1080.48)	21.66 (17.49, 27.25)	2670.31 (1735.89, 3711.33)	42.13 (27.39, 58.56)	3.64 (2.59, 4.69)

**Abbreviation:** EAPC, estimated annual percentage change; ASMR, age-standardized rates for mortality; UI, uncertainty interval; SDI, socio-demographic index; GBD, global burden of disease.

**Supplementary Table SXX.** The distribution of global incidence and mortality by age for respiratory diseases in adolescents and young adults in 2021

Age(years)	Chronic obstructive pulmonary disease	Asthma	Pneumoconiosis	Interstitial lung disease and pulmonary sarcoidosis	Upper respiratory infections	Lower respiratory infections	Tracheal, bronchus, and lung cancer	Pulmonary arterial hypertension	Tuberculosis
<b>Incident cases (thousand)</b>									
15 to 19	133.98 (96.92, 169.49)	2126.03 (1245.21, 3284.41)	0.68 (0.33, 1.13)	1.77 (0.68, 3.49)	1001950.96 (693721.78, 1350610.33)	10177.40 (8485.56, 12033.79)	0.81 (0.74, 0.88)	1.34 (0.87, 2.04)	625.12 (415.06, 897.53)
20 to 24	174.82 (125.82, 227.00)	1436.57 (717.85, 2443.91)	1.07 (0.65, 1.60)	4.73 (2.87, 7.26)	940675.83 (672590.44, 1281388.77)	10053.25 (8373.06, 12041.12)	1.40 (1.29, 1.52)	1.59 (1.03, 2.35)	780.42 (487.01, 1138.76)
25 to 29	193.00 (132.48, 241.26)	1172.86 (697.35, 1709.69)	0.94 (0.44, 1.74)	6.81 (3.71, 10.56)	898335.72 (651682.48, 1221892.87)	11385.98 (10089.24, 12767.63)	2.84 (2.57, 3.11)	1.85 (1.03, 2.86)	691.35 (424.84, 1034.36)
30 to 34	212.26 (149.58, 266.30)	1079.85 (599.80, 1654.14)	1.26 (0.76, 2.01)	9.08 (4.87, 13.99)	892348.64 (627673.67, 1254869.38)	12593.79 (11278.29, 14190.73)	7.53 (6.72, 8.38)	2.32 (1.48, 3.42)	651.87 (413.23, 953.13)
35 to 39	220.61 (166.79, 259.11)	1037.31 (640.50, 1561.53)	1.82 (0.88, 3.23)	11.93 (6.97, 18.69)	811973.40 (561161.33, 1087301.52)	12956.53 (11245.74, 14904.23)	15.42 (13.76, 17.14)	2.69 (1.79, 3.89)	581.73 (339.88, 844.88)
<b>Mortality cases (thousand)</b>									
15 to 19	1.53 (1.34, 1.76)	2.88 (2.43, 3.56)	0.01 (0.01, 0.02)	0.25 (0.20, 0.29)	0.24 (0.04, 0.59)	14.20 (12.50, 16.10)	0.74 (0.68, 0.81)	0.26 (0.21, 0.33)	18.43 (16.47, 20.74)
20 to 24	2.11 (1.85, 2.40)	4.28 (3.67, 5.17)	0.02 (0.02, 0.03)	0.39 (0.31, 0.47)	0.24 (0.05, 0.56)	14.72 (13.05, 16.34)	1.32 (1.22, 1.43)	0.33 (0.26, 0.42)	30.75 (27.19, 34.21)
25 to 29	3.05 (2.69, 3.44)	4.88 (4.18, 5.90)	0.04 (0.04, 0.05)	0.58 (0.47, 0.69)	0.21 (0.05, 0.48)	16.96 (15.38, 18.81)	2.41 (2.19, 2.63)	0.42 (0.35, 0.51)	41.31 (36.77, 46.00)
30 to 34	5.15 (4.60, 5.69)	6.30 (5.43, 7.50)	0.10 (0.09, 0.13)	0.92 (0.70, 1.09)	0.28 (0.08, 0.60)	19.91 (18.18, 21.76)	6.20 (5.52, 6.85)	0.40 (0.34, 0.48)	51.19 (45.95, 57.20)
35 to 39	8.08 (7.20, 8.95)	8.56 (7.37, 10.30)	0.20 (0.17, 0.25)	1.38 (1.10, 1.68)	0.27 (0.09, 0.58)	24.73 (22.82, 26.77)	11.95 (10.64, 13.27)	0.48 (0.41, 0.56)	60.52 (54.05, 67.49)
<b>Incidence rate (per 100000)</b>									
15 to 19	21.47 (15.53, 27.16)	340.72 (199.56, 526.36)	0.11 (0.05, 0.18)	0.28 (0.11, 0.56)	160574.24 (111176.95, 216450.94)	1631.05 (1359.91, 1928.55)	0.13 (0.12, 0.14)	0.21 (0.14, 0.33)	100.18 (66.52, 143.84)
20 to 24	29.28 (21.07, 38.01)	240.57 (120.21, 409.26)	0.18 (0.11, 0.27)	0.79 (0.48, 1.22)	157525.41 (112631.88, 214581.15)	1683.52 (1402.15, 2016.40)	0.24 (0.22, 0.25)	0.27 (0.17, 0.39)	130.69 (81.55, 190.70)
25 to 29	32.80 (22.52, 41.01)	199.35 (118.53, 290.59)	0.16 (0.08, 0.30)	1.16 (0.63, 1.80)	152689.06 (110765.70, 207683.68)	1935.26 (1714.86, 2170.10)	0.48 (0.44, 0.53)	0.31 (0.18, 0.49)	117.51 (72.21, 175.81)
30 to 34	35.11 (24.75, 44.05)	178.64 (99.23, 273.65)	0.21 (0.13, 0.33)	1.50 (0.81, 2.31)	147622.48 (103836.93, 207594.80)	2083.41 (1865.78, 2347.59)	1.25 (1.11, 1.39)	0.38 (0.25, 0.57)	107.84 (68.36, 157.68)
35 to 39	39.33 (29.74, 46.20)	184.95 (114.20, 278.41)	0.33 (0.16, 0.58)	2.13 (1.24, 3.33)	144771.34 (100052.64, 193861.16)	2310.09 (2005.07, 2657.36)	2.75 (2.45, 3.06)	0.48 (0.32, 0.69)	103.72 (60.60, 150.64)
<b>Mortality rate (per 100000)</b>									
15 to 19	0.25 (0.22, 0.28)	0.46 (0.39, 0.57)	0.00 (0.00, 0.00)	0.04 (0.03, 0.05)	0.04 (0.01, 0.09)	2.28 (2.00, 2.58)	0.12 (0.11, 0.13)	0.04 (0.03, 0.05)	2.95 (2.64, 3.32)
20 to 24	0.35 (0.31, 0.40)	0.72 (0.61, 0.87)	0.00 (0.00, 0.00)	0.07 (0.05, 0.08)	0.04 (0.01, 0.09)	2.46 (2.19, 2.74)	0.22 (0.20, 0.24)	0.05 (0.04, 0.07)	5.15 (4.55, 5.73)
25 to 29	0.52 (0.46, 0.58)	0.83 (0.71, 1.00)	0.01 (0.01, 0.01)	0.10 (0.08, 0.12)	0.04 (0.01, 0.08)	2.88 (2.61, 3.20)	0.41 (0.37, 0.45)	0.07 (0.06, 0.09)	7.02 (6.25, 7.82)
30 to 34	0.85 (0.76, 0.94)	1.04 (0.90, 1.24)	0.02 (0.01, 0.02)	0.15 (0.12, 0.18)	0.05 (0.01, 0.10)	3.29 (3.01, 3.60)	1.03 (0.91, 1.13)	0.07 (0.06, 0.08)	8.47 (7.60, 9.46)
35 to 39	1.44 (1.28, 1.60)	1.53 (1.31, 1.84)	0.04 (0.03, 0.04)	0.25 (0.20, 0.30)	0.05 (0.02, 0.10)	4.41 (4.07, 4.77)	2.13 (1.90, 2.37)	0.09 (0.07, 0.10)	10.79 (9.64, 12.03)

