

Supplementary material

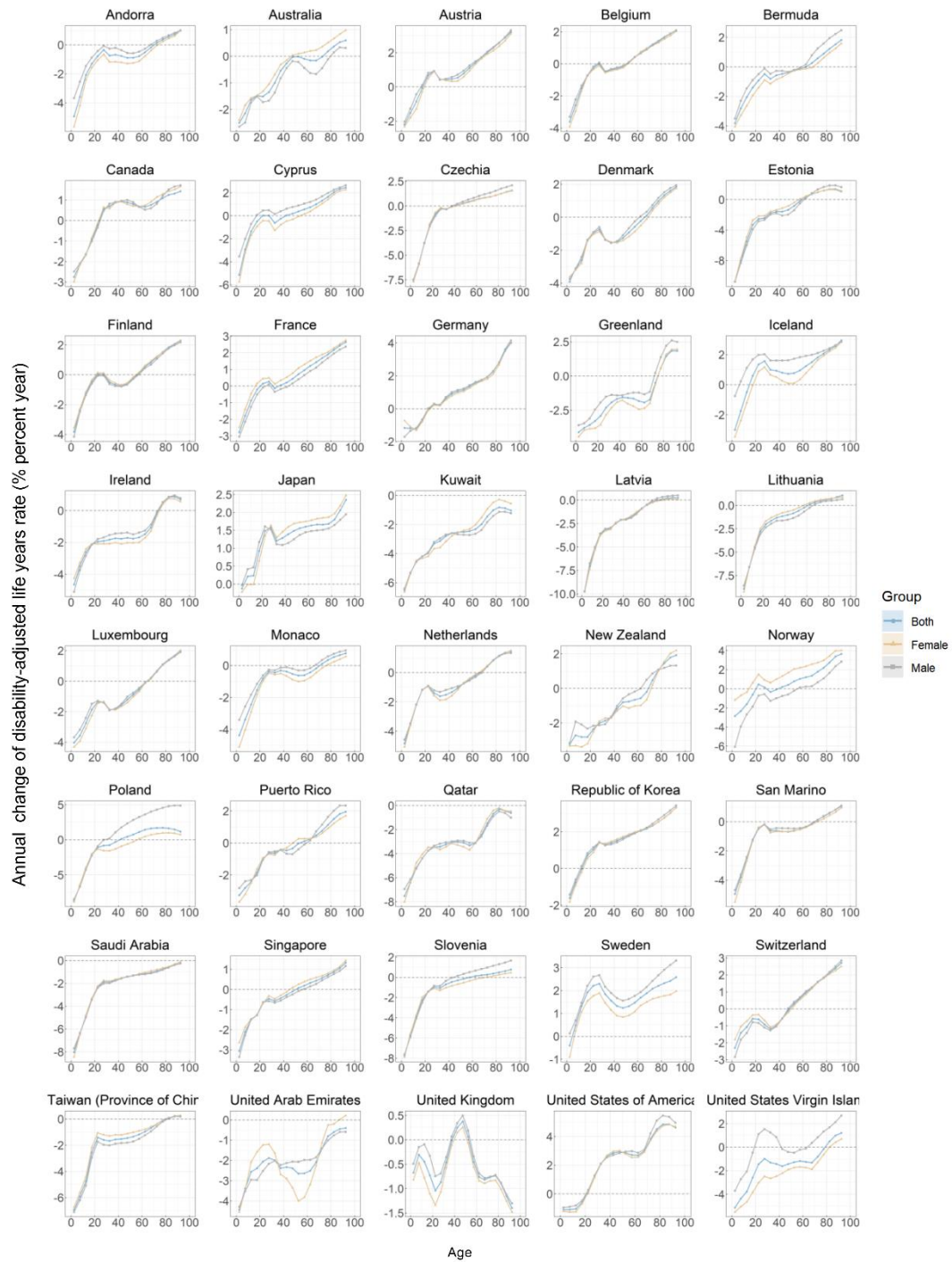


Figure S1 The local drifts of neural tube defects rate in High SDI countries, 1992-2021. The dots indicate the values of local drift (annual percentage change in disability-adjusted life years rate) for neural tube defects in 19 age groups (0-4 to 90-94 years). SDI=Socio-demographic Index.

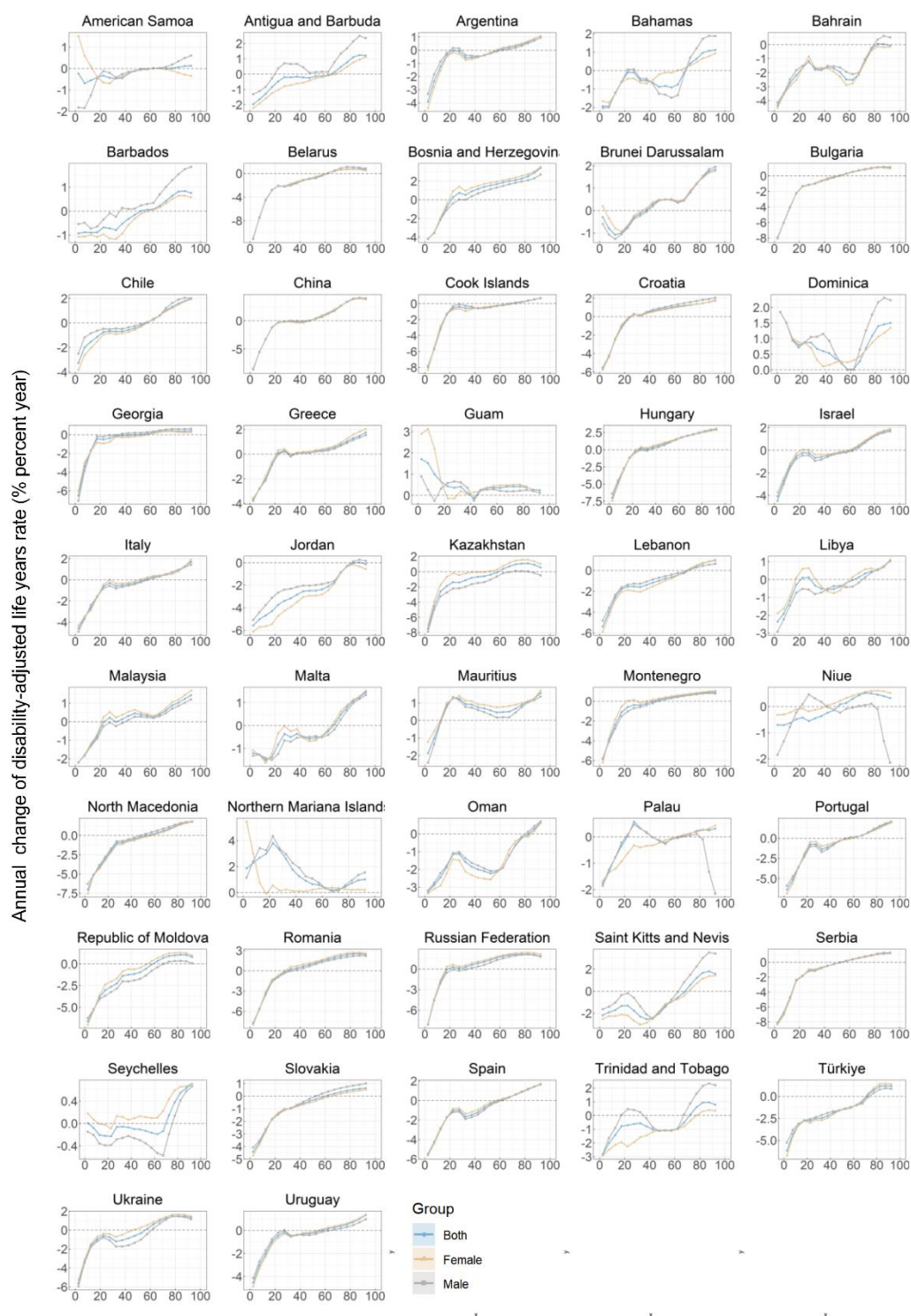


Figure S2 The local drifts of neural tube defects rate in High-middle SDI countries, 1992-2021.

The dots indicate the values of local drift (annual percentage change in disability-adjusted life years rate) for neural tube defects in 19 age groups (0-4 to 90-94 years). SDI=Socio-demographic Index.

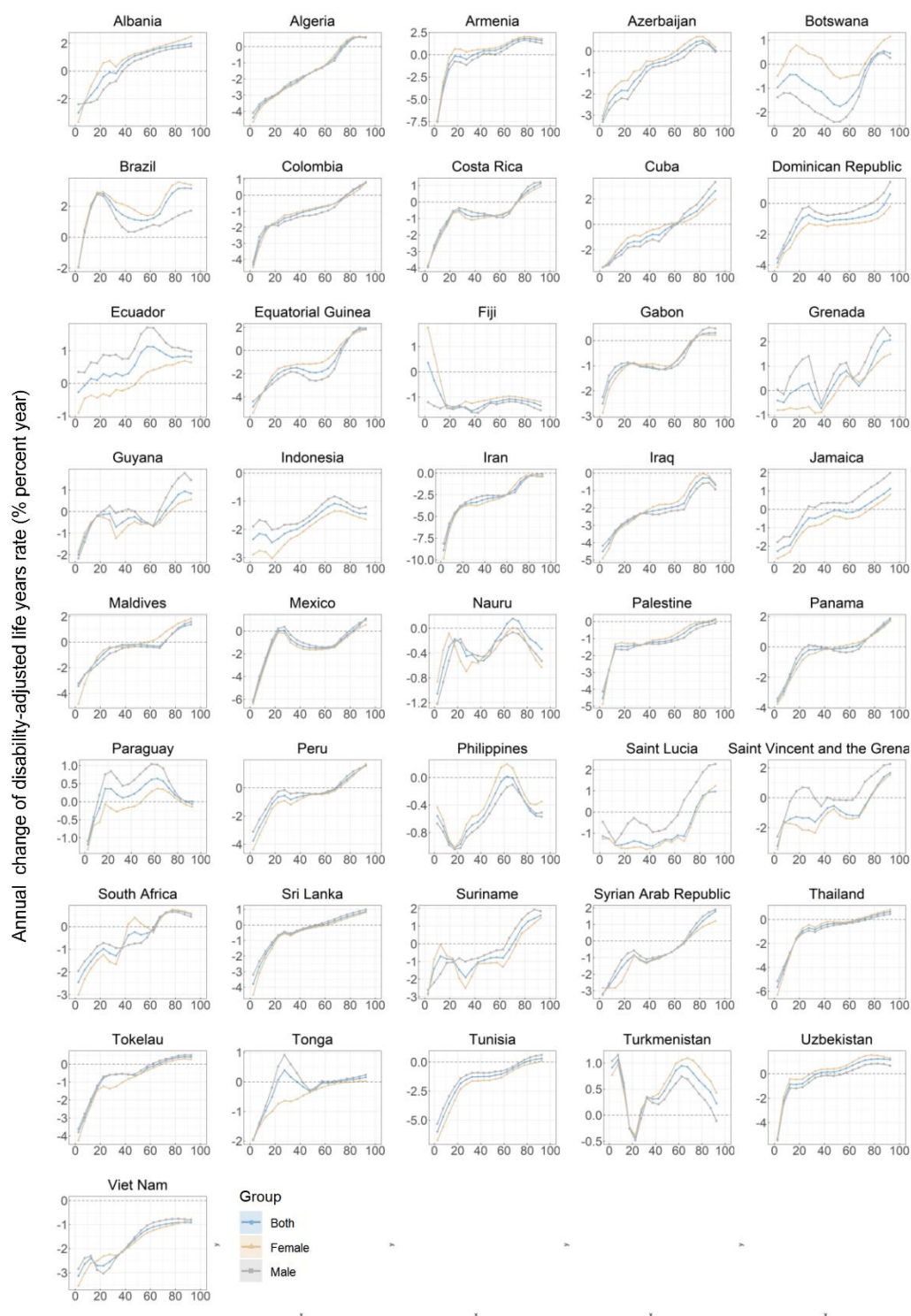


Figure S3 The local drifts of neural tube defects disability-adjusted life years rate in Middle SDI countries, 1992-2021.

The dots indicate the values of local drift (annual percentage change in disability-adjusted life years rate) for neural tube defects in 19 age groups (0-4 to 90-94 years). SDI=Socio-demographic Index.

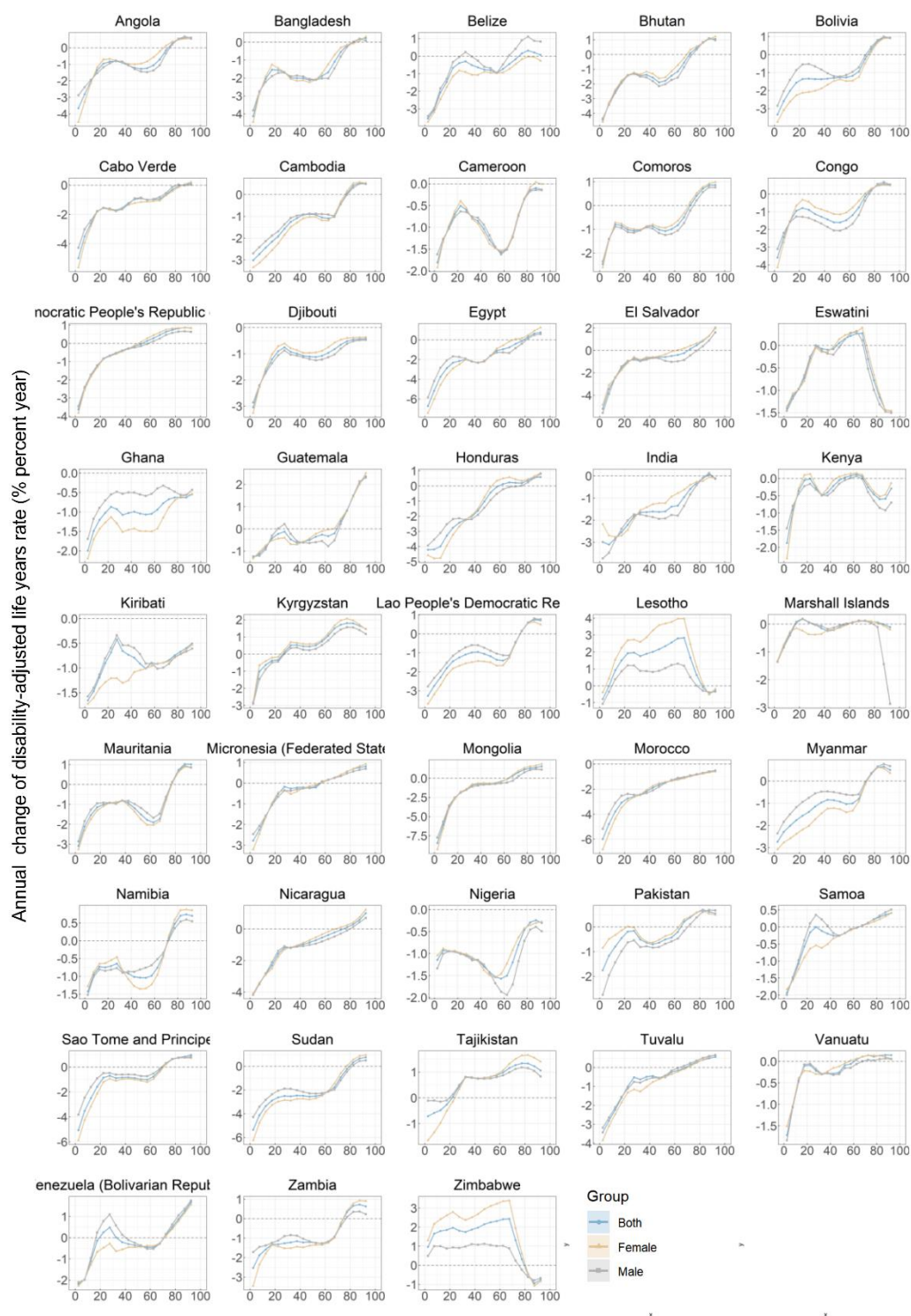


Figure S4 The local drifts of neural tube defects disability-adjusted life years rate in Low-middle SDI countries, 1992-2021.

The dots indicate the values of local drift (annual percentage change in disability-adjusted life years rate) for neural tube defects in 19 age groups (0-4 to 90-94 years). SDI=Socio-demographic Index.

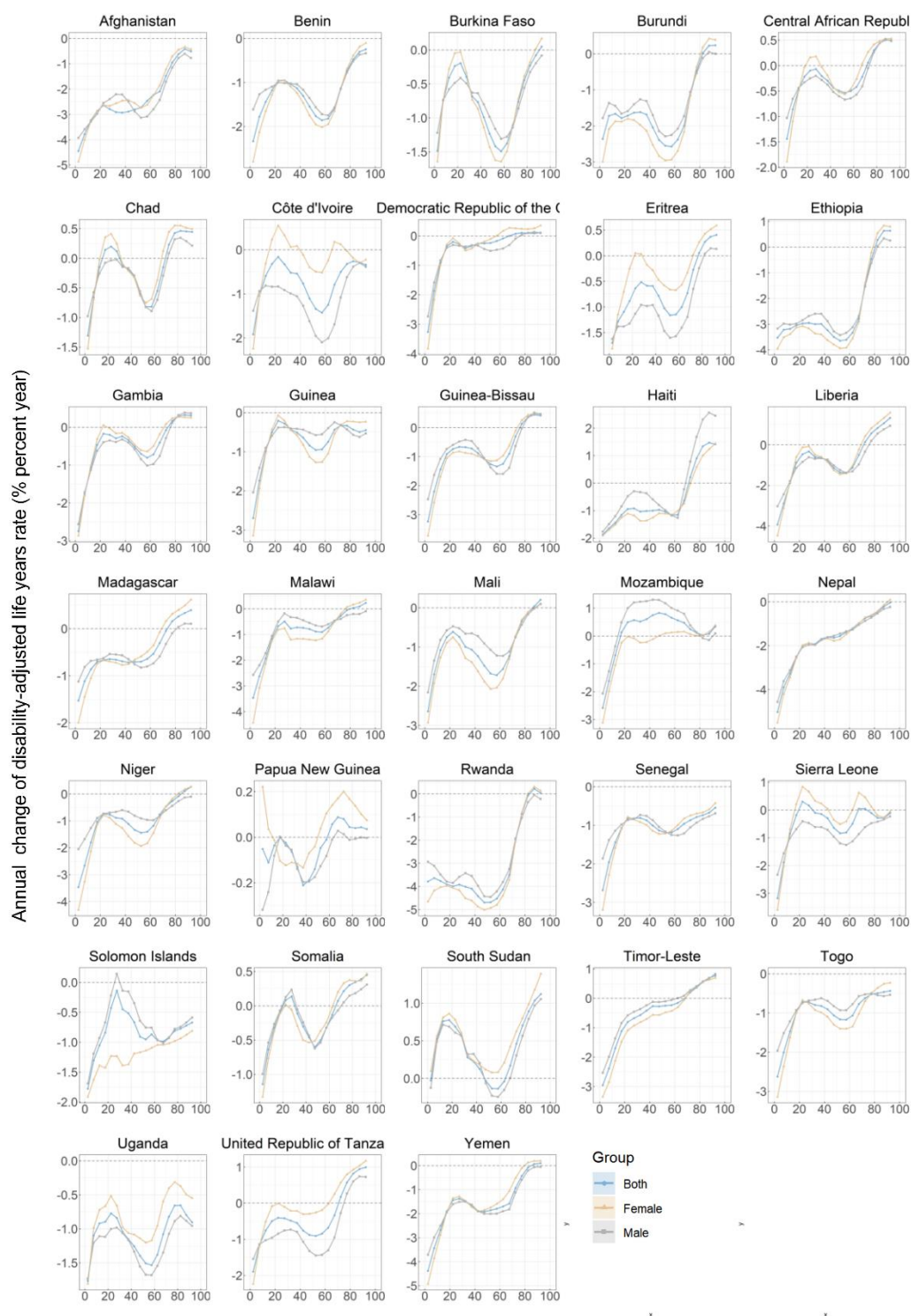


Figure S5 The local drifts of neural tube defects disability-adjusted life years rate in Low SDI countries, 1992-2021.

The dots indicate the values of local drift (annual percentage change in disability-adjusted life years rate) for neural tube defects in 19 age groups (0-4 to 90-94 years). SDI=Socio-demographic Index.

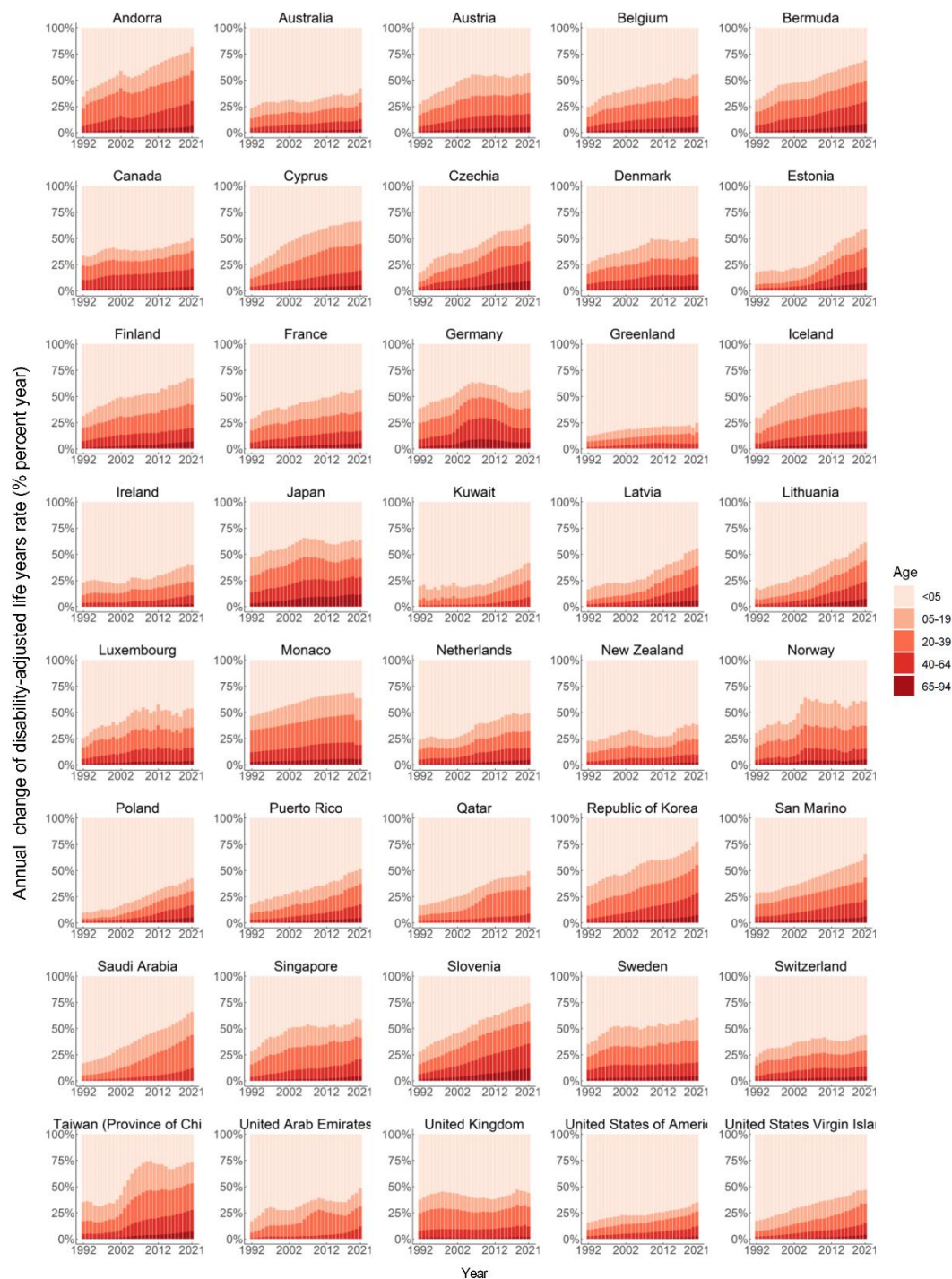


Figure S6 Age distribution of disability-adjusted life years from neural tube defects in High SDI countries, 1992-2021.

Age distribution of disability-adjusted life years is represented as temporal change in the relative proportion of disability-adjusted life years across age groups (<5, 5-19, 20-39, 40-64, 65-94 years) during 1992-2021. SDI=Socio-demographic Index.

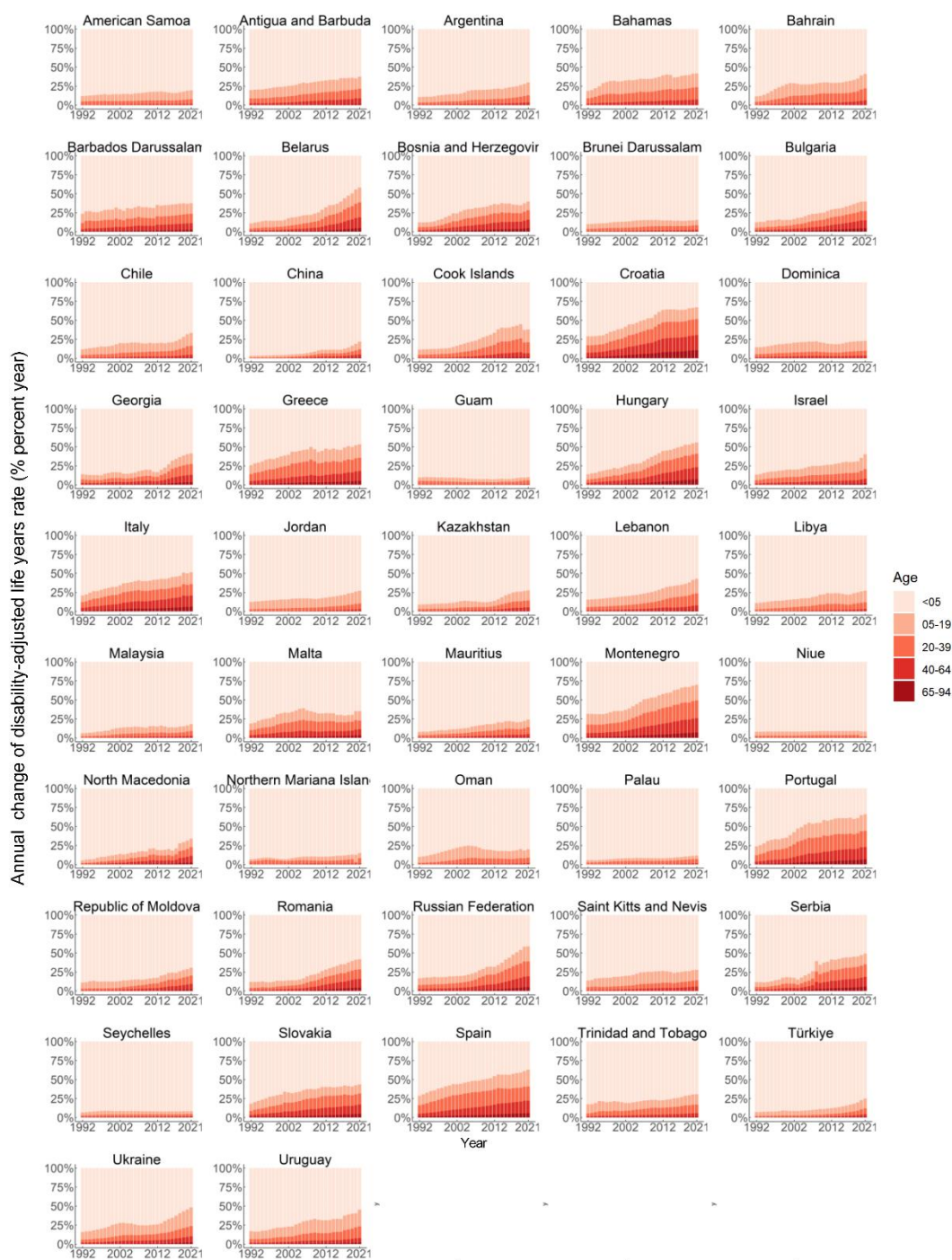


Figure S7 Age distribution of disability-adjusted life years from neural tube defects in High-middle SDI countries, 1992-2021.

Age distribution of disability-adjusted life years is represented as temporal change in the relative proportion of disability-adjusted life years across age groups (<5, 5-19, 20-39, 40-64, 65-94 years) during 1992-2021. SDI=Socio-demographic Index.

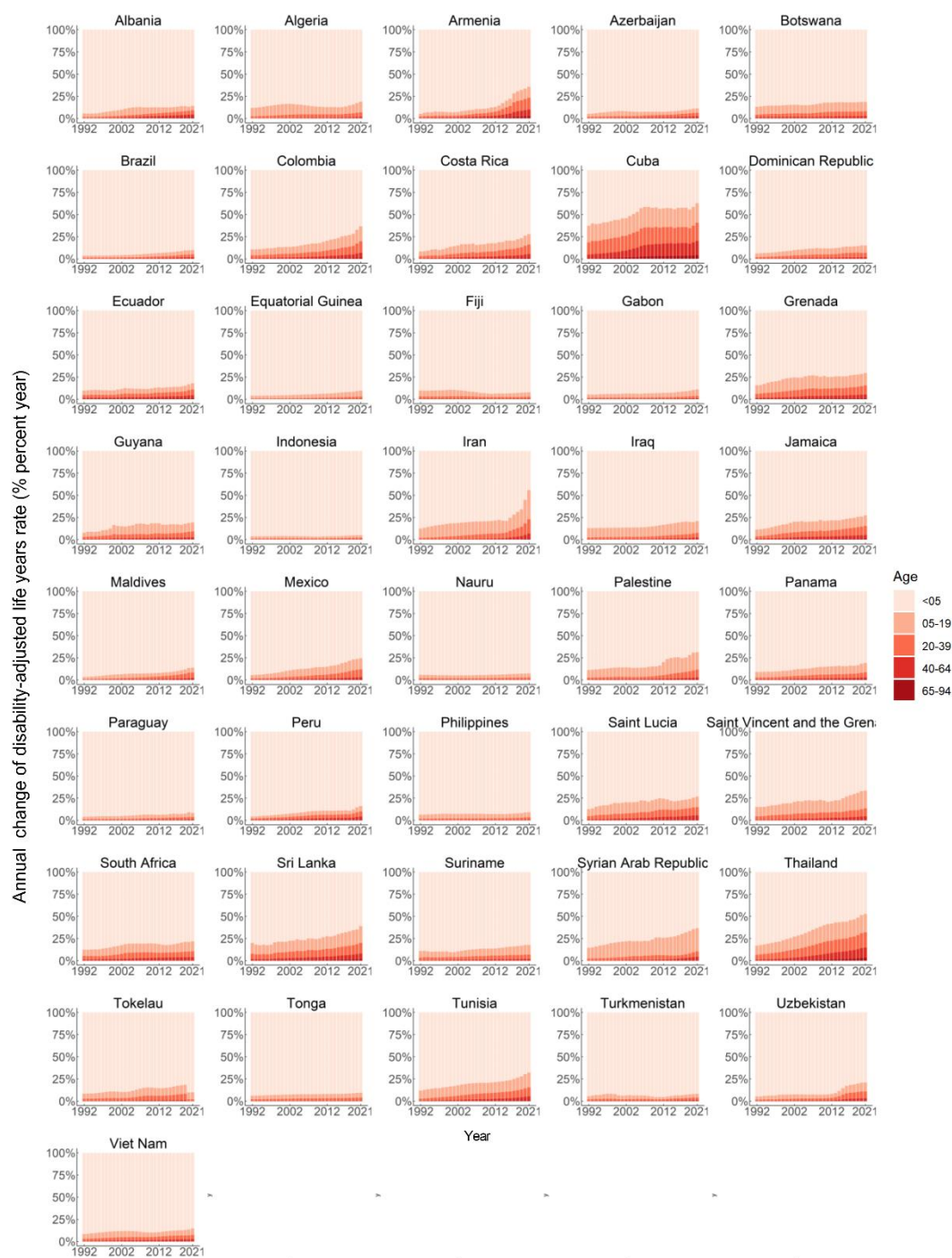


Figure S8 Age distribution of disability-adjusted life years from neural tube defects in Middle SDI countries, 1992-2021.

Age distribution of disability-adjusted life years is represented as temporal change in the relative proportion of disability-adjusted life years across age groups (<5, 5-19, 20-39, 40-64, 65-94 years) during 1992-2021. SDI=Socio-demographic Index.

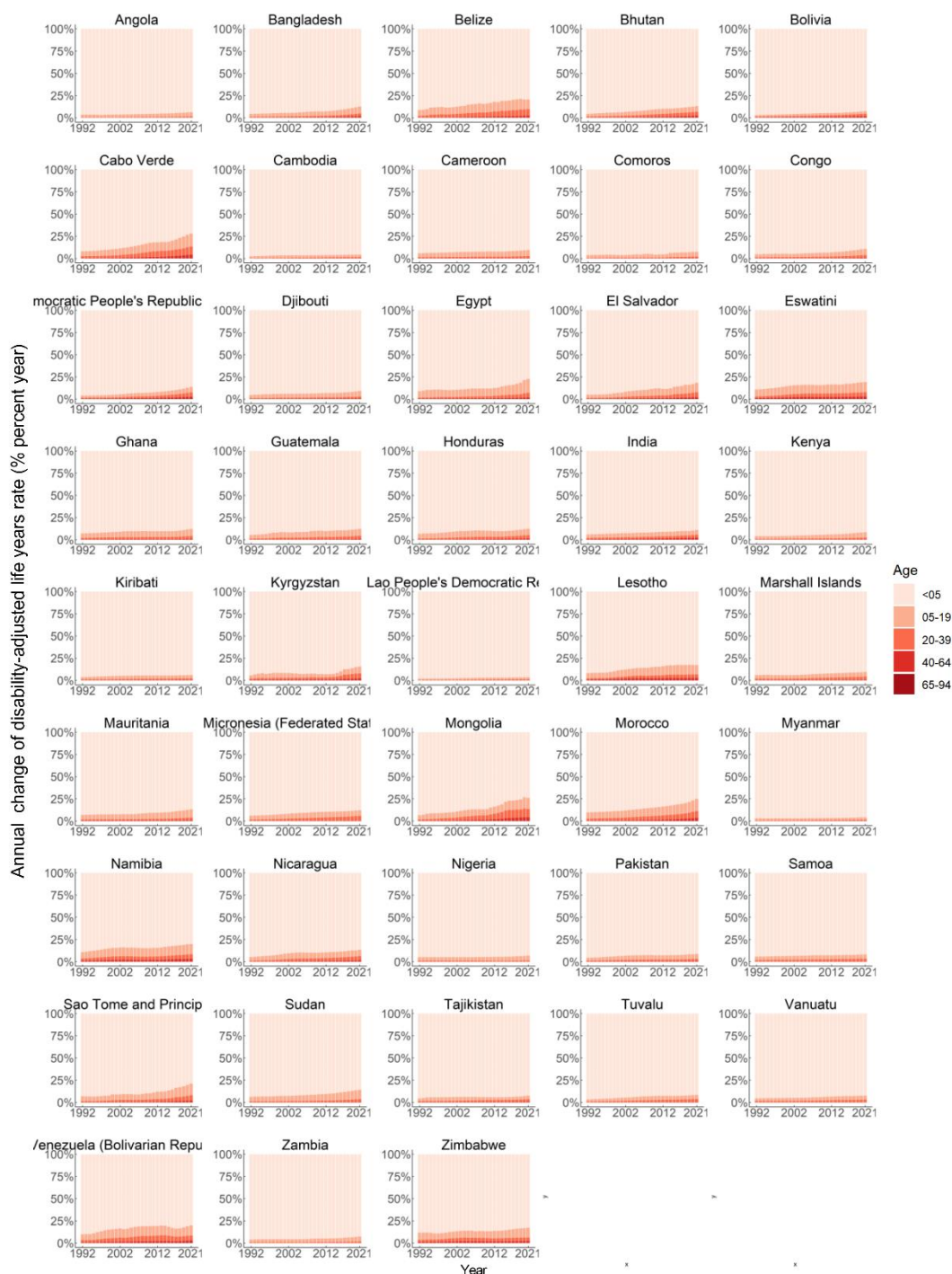


Figure S9 Age distribution of disability-adjusted life years from neural tube defects in Low-middle SDI countries, 1992-2021.

Age distribution of disability-adjusted life years is represented as temporal change in the relative proportion of disability-adjusted life years across age groups (<5, 5-19, 20-39, 40-64, 65-94 years) during 1992-2021. SDI=Socio-demographic Index.

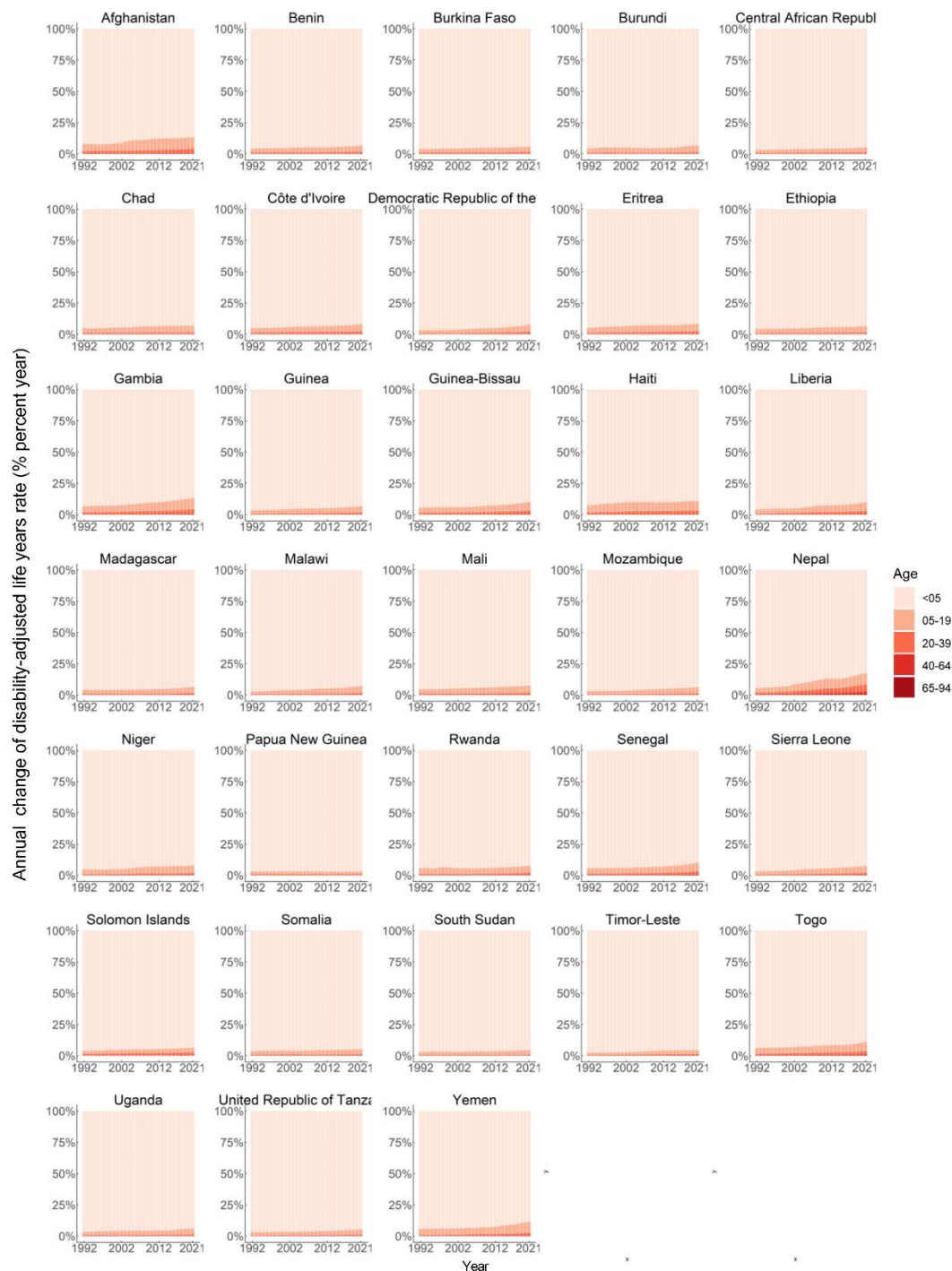


Figure S10 Age distribution of disability-adjusted life years from neural tube defects in Low SDI countries, 1992-2021.

Age distribution of disability-adjusted life years is represented as temporal change in the relative proportion of disability-adjusted life years across age groups (<5, 5-19, 20-39, 40-64, 65-94 years) during 1992-2021. SDI=Socio-demographic Index.

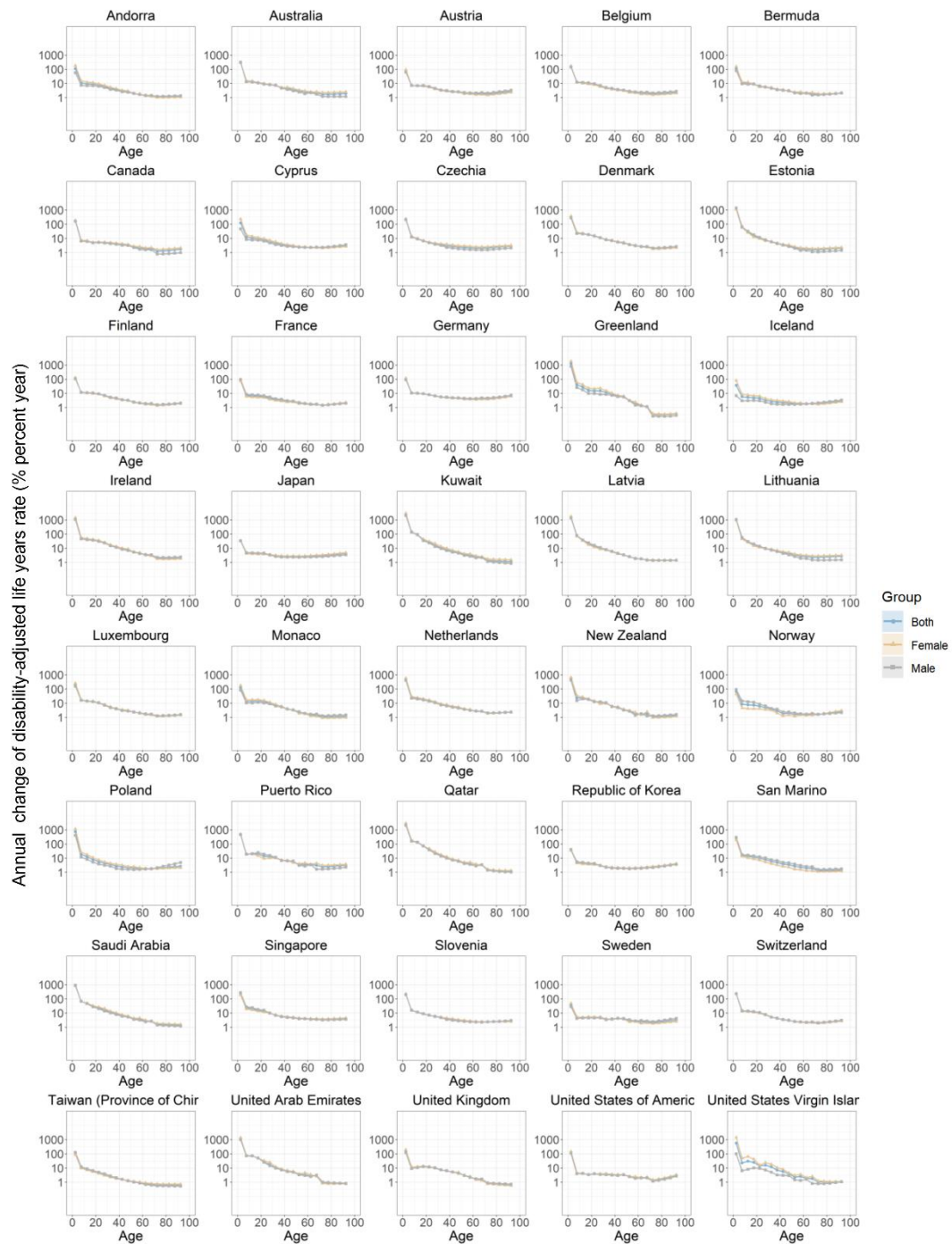


Figure S11 Age effects on neural tube defects disability-adjusted life years rate in High SDI countries.

Age effects indicate age-associated natural history and are shown by the fitted longitudinal age curves of disability-adjusted life years rate (per 100000 person-years) adjusted for period deviations, with the dots denoting disability-adjusted life years rate. SDI=Socio-demographic Index.



Figure S12 Age effects on neural tube defects disability-adjusted life years rate in High-middle SDI countries.

Age effects indicate age-associated natural history and are shown by the fitted longitudinal age curves of disability-adjusted life years rate (per 100000 person-years) adjusted for period deviations, with the dots denoting disability-adjusted life years rate. SDI=Socio-demographic Index.

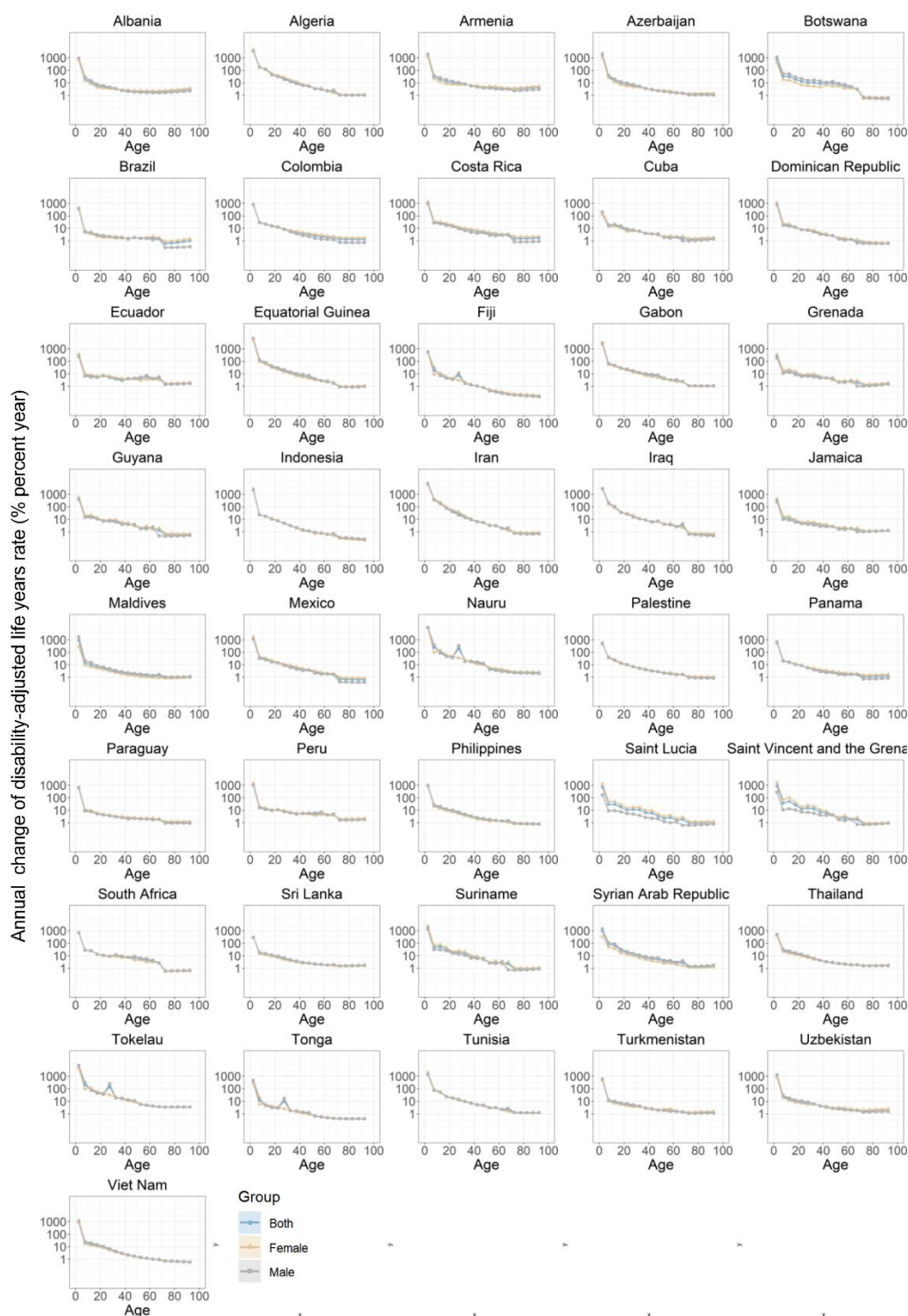


Figure S13 Age effects on neural tube defects disability-adjusted life years rate in Middle SDI countries.

Age effects indicate age-associated natural history and are shown by the fitted longitudinal age curves of disability-adjusted life years rate (per 100000 person-years) adjusted for period deviations, with the dots denoting disability-adjusted life years rate. SDI=Socio-demographic Index.

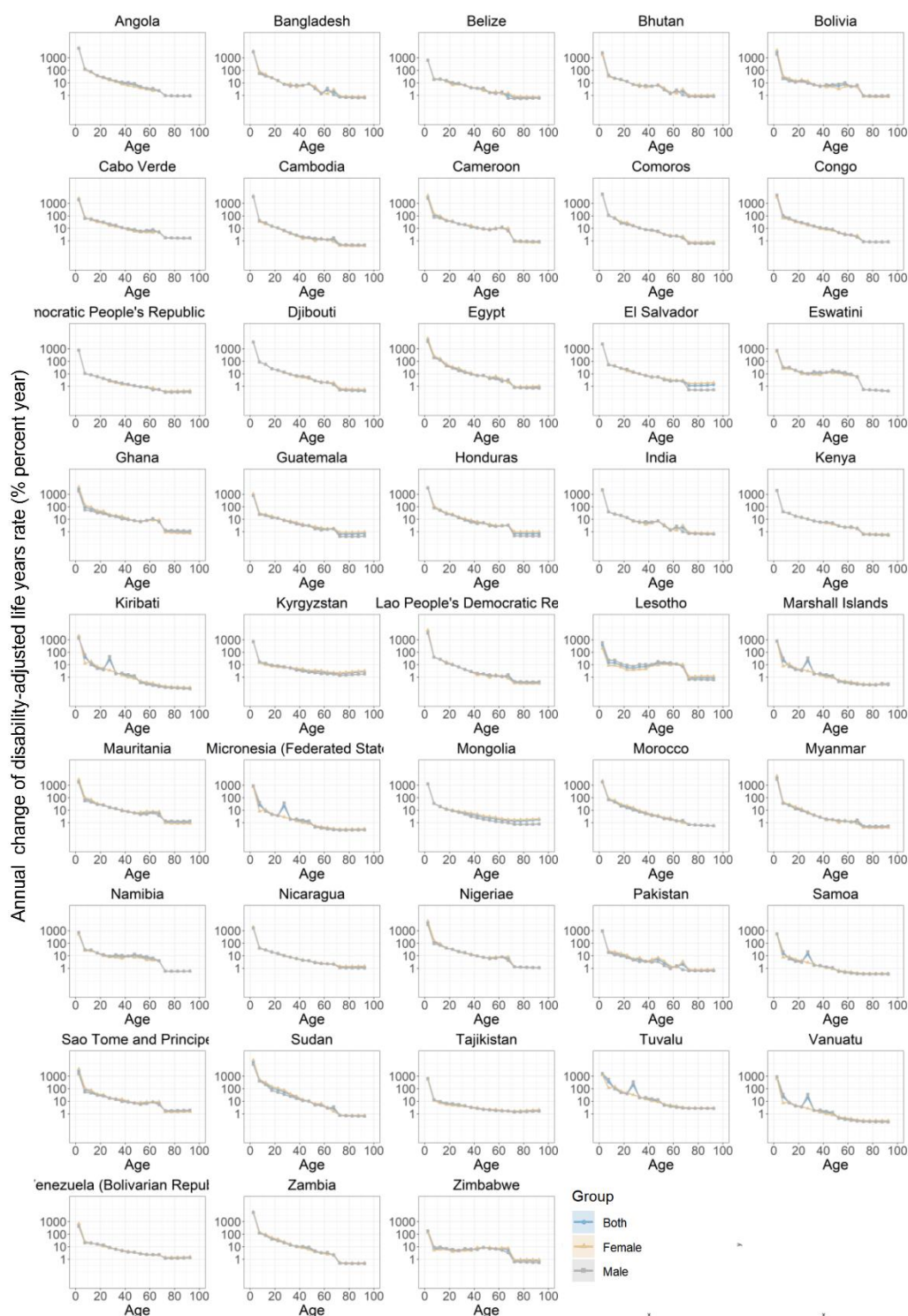


Figure S14 Age effects on neural tube defects disability-adjusted life years rate in Low-middle SDI countries.

Age effects indicate age-associated natural history and are shown by the fitted longitudinal age curves of disability-adjusted life years rate (per 100000 person-years) adjusted for period deviations, with the dots denoting disability-adjusted life years rate. SDI=Socio-demographic Index.

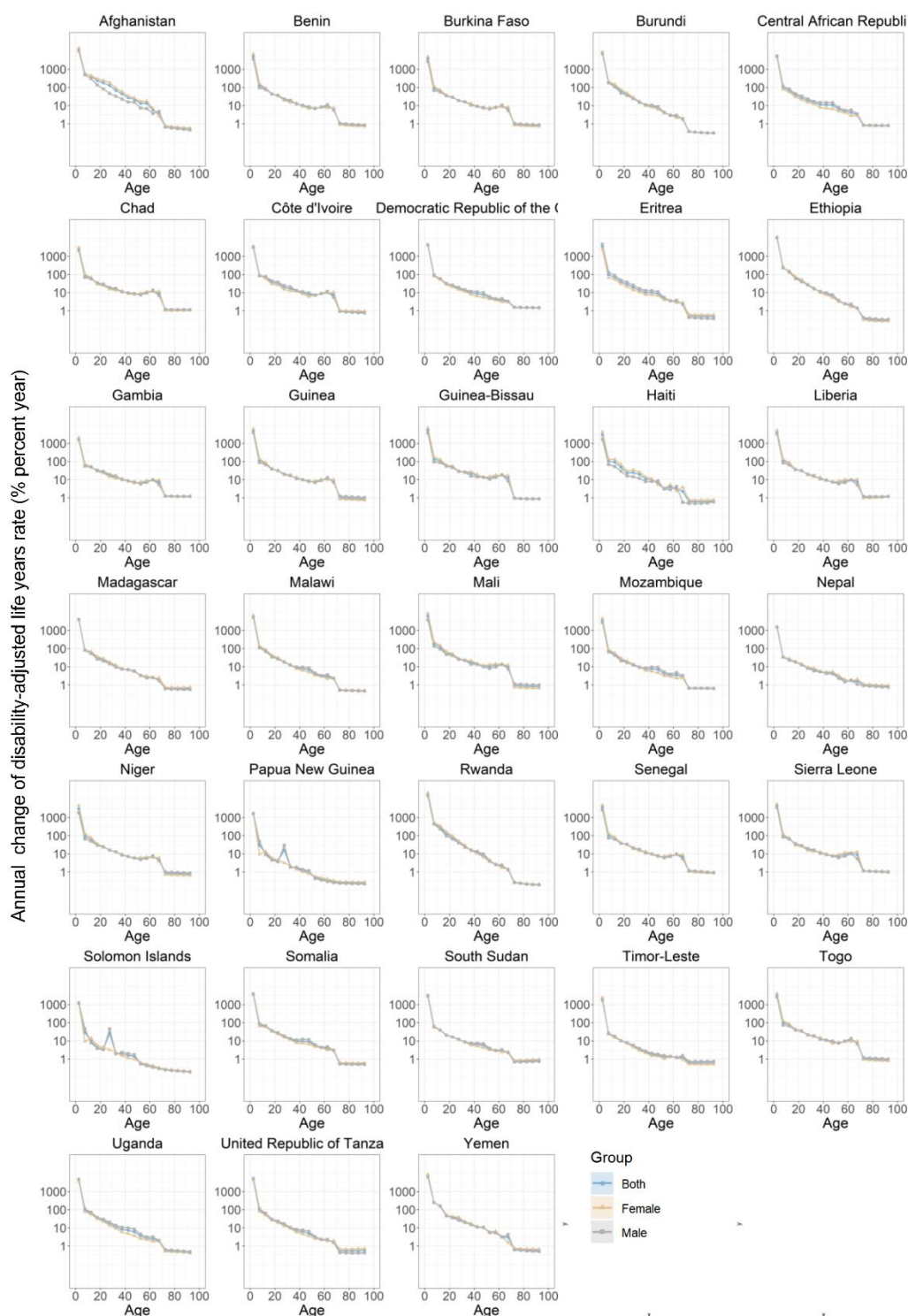


Figure S15 Age effects on neural tube defects disability-adjusted life years rate in Low SDI countries.

Age effects indicate age-associated natural history and are shown by the fitted longitudinal age curves of disability-adjusted life years rate (per 100000 person-years) adjusted for period deviations, with the dots denoting disability-adjusted life years rate. SDI=Socio-demographic Index.

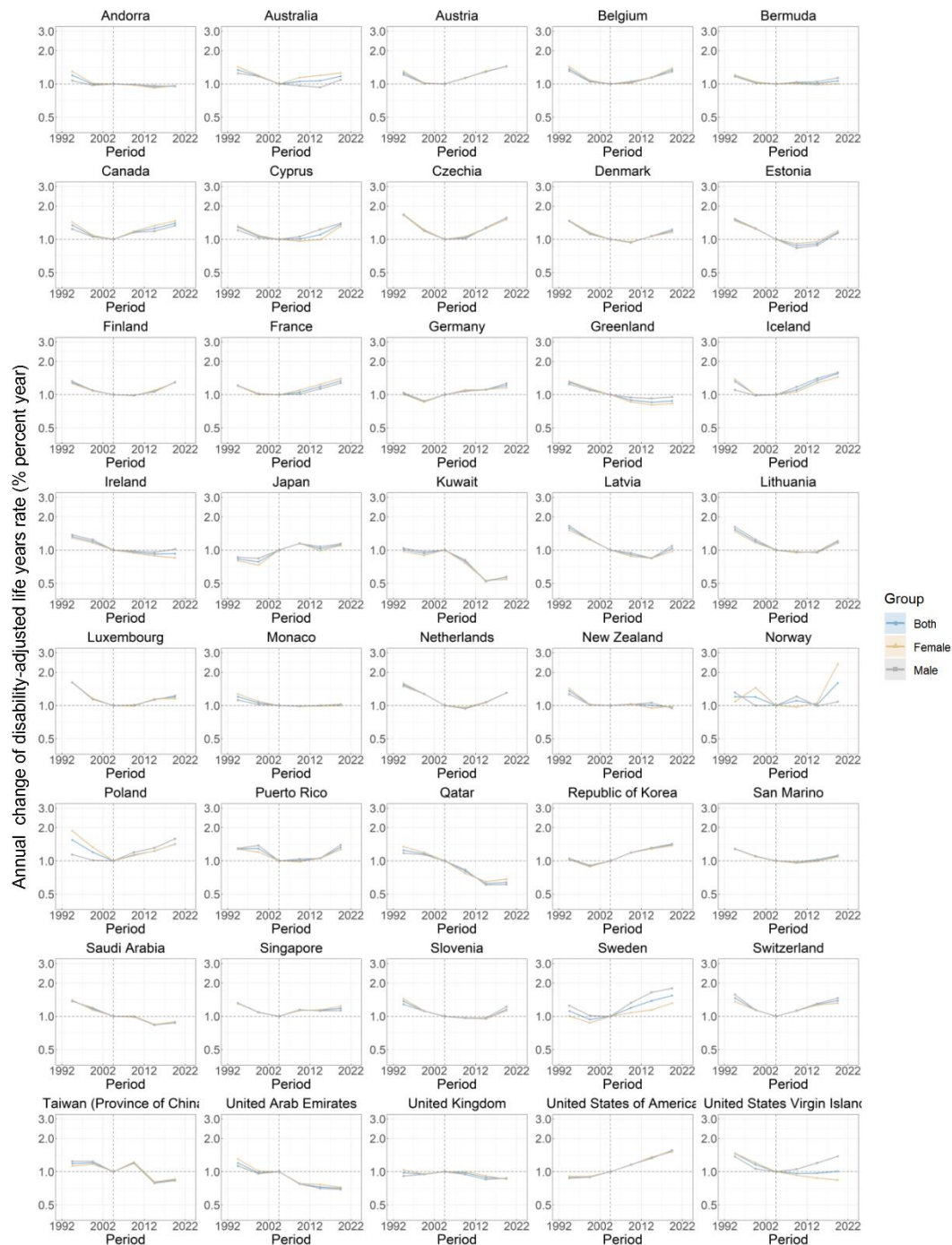


Figure S16 Period effects on neural tube defects disability-adjusted life years rate in High SDI countries.

Period effects are shown by the relative risk of disability-adjusted life years rate (disability-adjusted life years rate ratio) for each period from 1992-1996 to 2017-2021, with the dots representing rate ratios for a given period relative to the referent period (2002-2006). SDI=Socio-demographic Index.

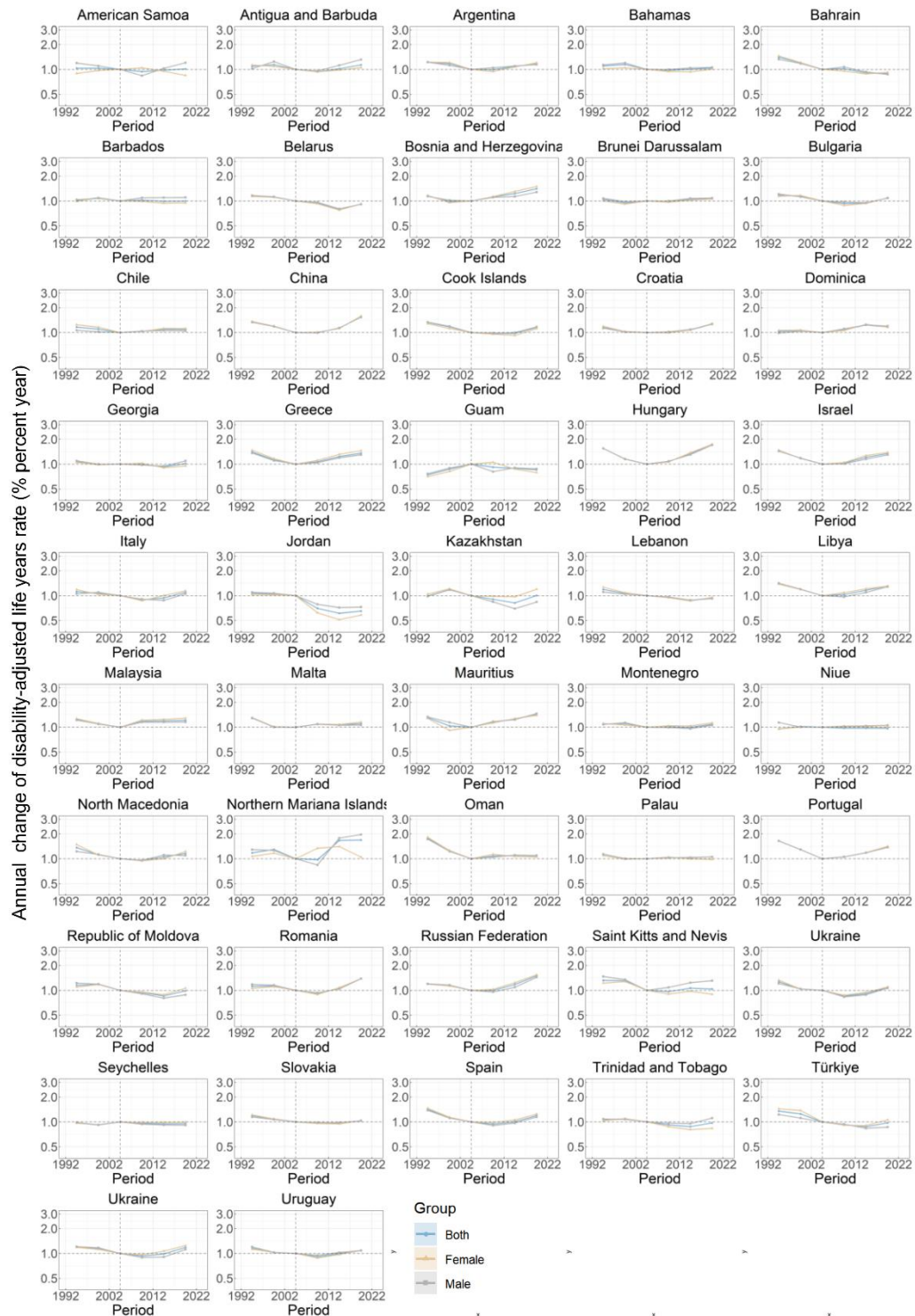


Figure S17 Period effects on neural tube defects disability-adjusted life years rate in High-middle SDI countries.

Period effects are shown by the relative risk of disability-adjusted life years rate (disability-adjusted life years rate ratio) for each period from 1992-1996 to 2017-2021, with the dots representing rate ratios for a given period relative to the referent period (2002-2006). SDI=Socio-demographic Index.

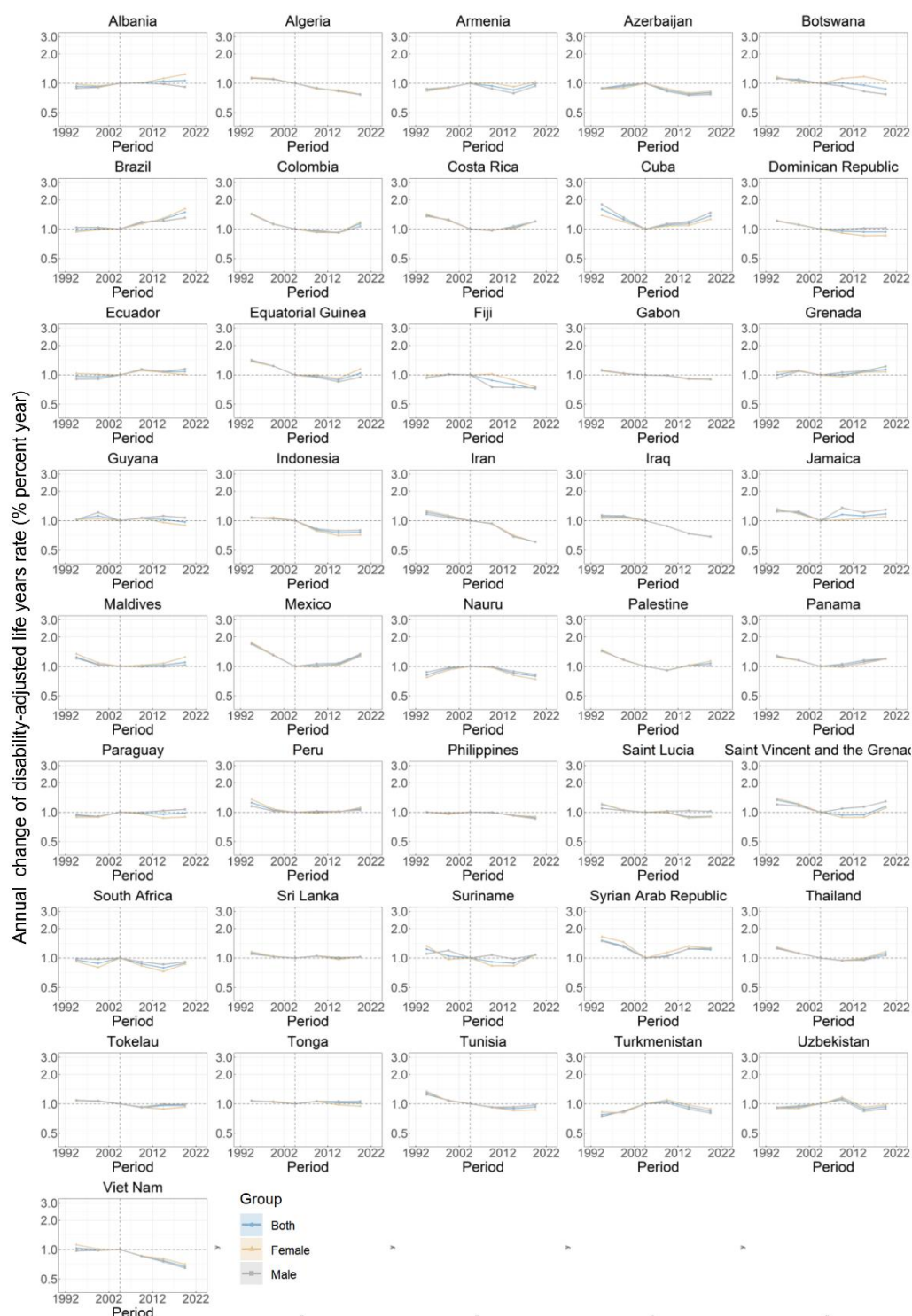


Figure S18 Period effects on neural tube defects disability-adjusted life years rate in Middle SDI countries.

Period effects are shown by the relative risk of disability-adjusted life years rate (disability-adjusted life years rate ratio) for each period from 1992-1996 to 2017-2021, with the dots representing rate ratios for a given period relative to the referent period (2002-2006). SDI=Socio-demographic Index.

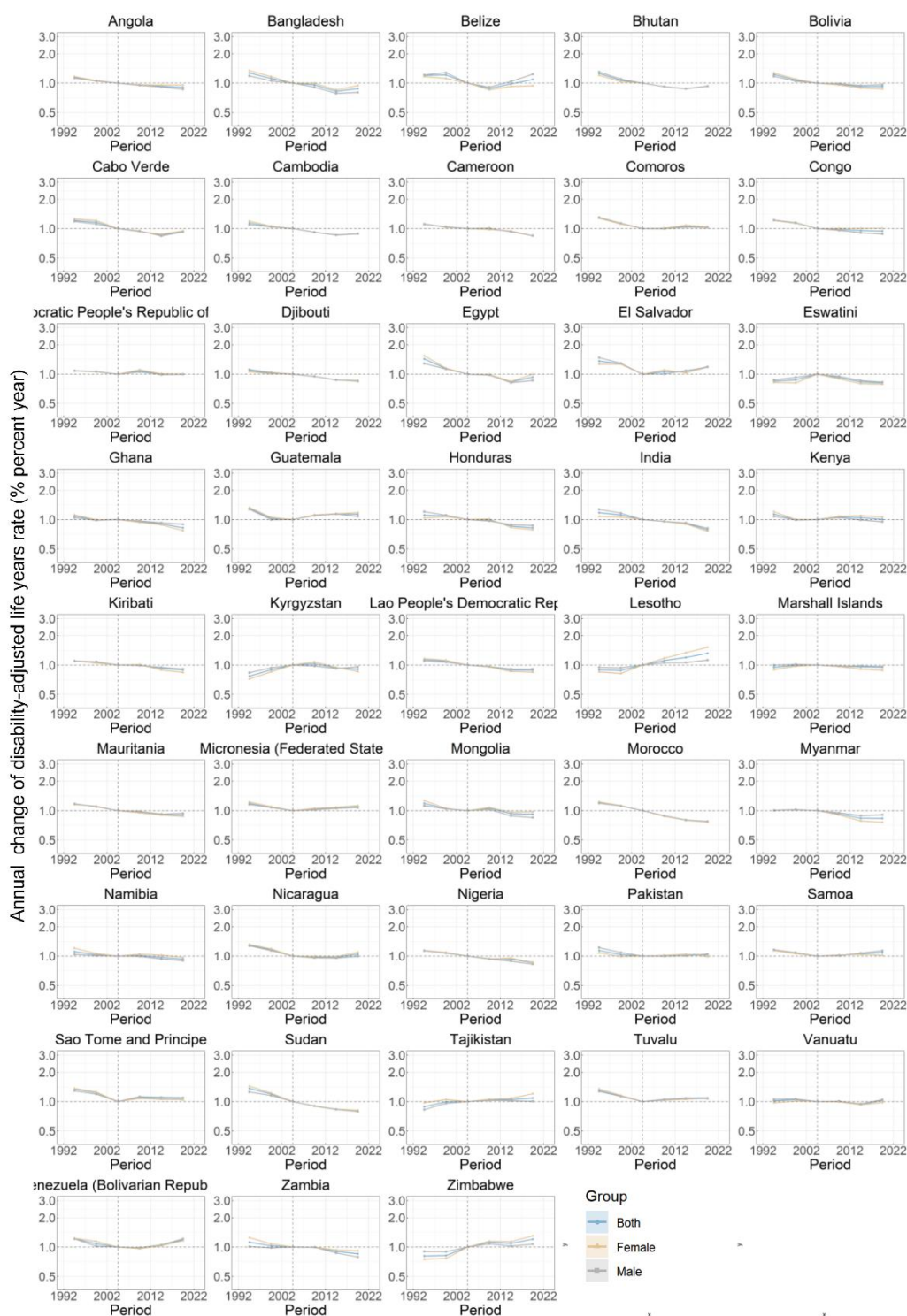


Figure S19 Period effects on neural tube defects disability-adjusted life years rate in Low-middle SDI countries.

Period effects are shown by the relative risk of disability-adjusted life years rate (disability-adjusted life years rate ratio) for each period from 1992-1996 to 2017-2021, with the dots representing rate ratios for a given period relative to the referent period (2002-2006). SDI=Socio-demographic Index.

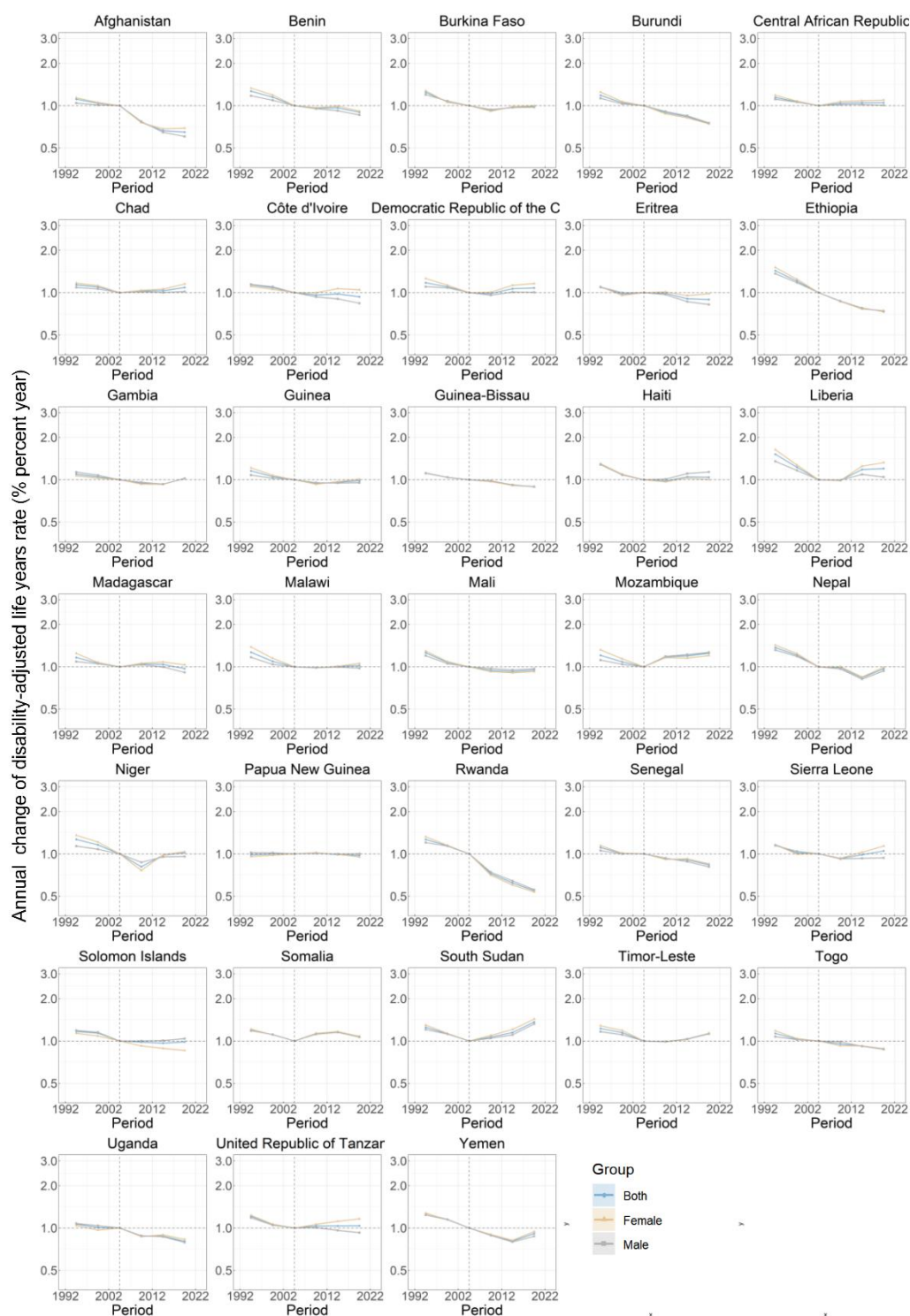


Figure S20 Period effects on neural tube defects disability-adjusted life years rate in Low SDI countries.

Period effects are shown by the relative risk of disability-adjusted life years rate (disability-adjusted life years rate ratio) for each period from 1992-1996 to 2017-2021, with the dots representing rate ratios for a given period relative to the referent period (2002-2006). SDI=Socio-demographic Index.

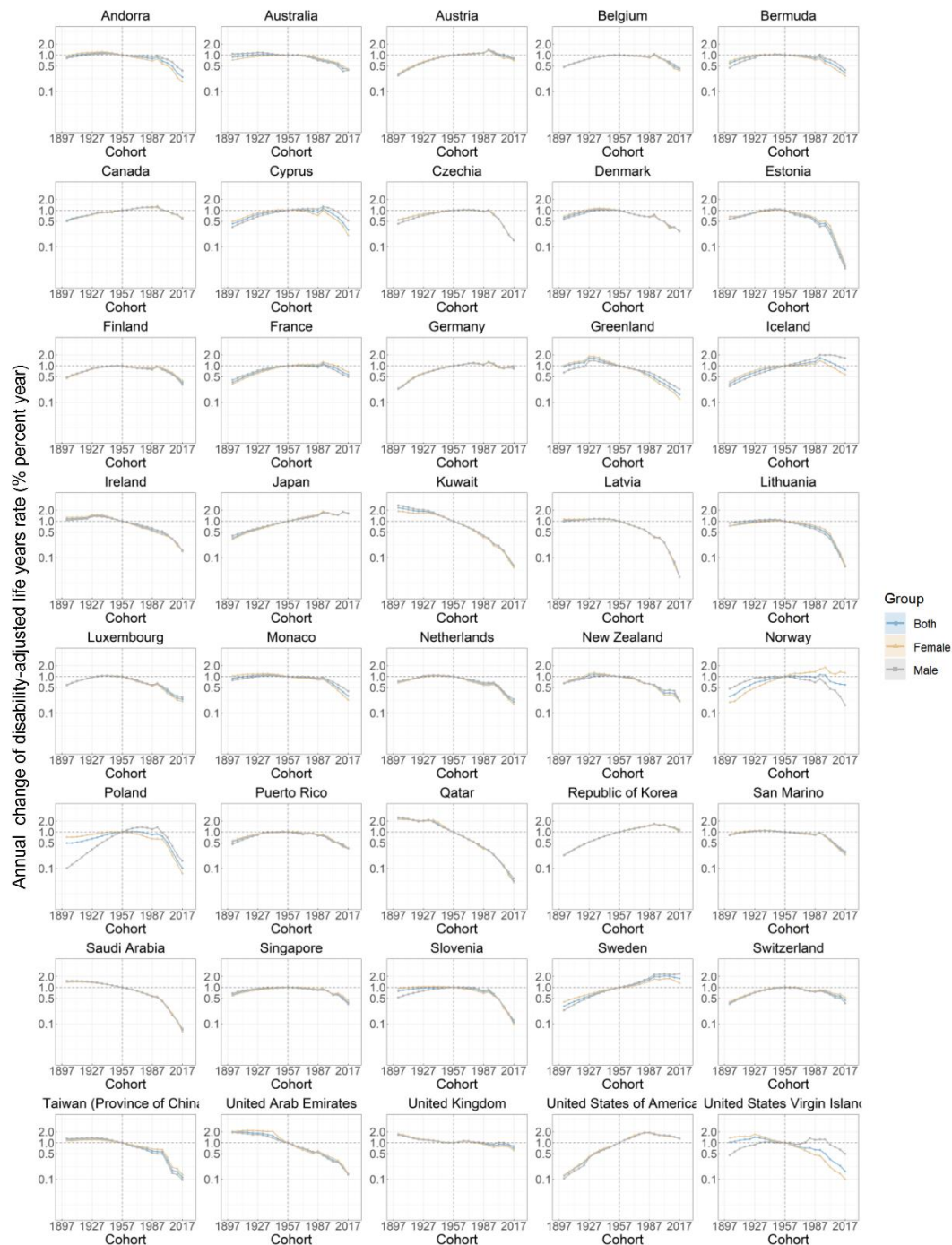


Figure S21 Cohort effects on neural tube defects disability-adjusted life years rate in High SDI countries.

Cohort effects are shown by the relative risk of disability-adjusted life years rate (disability-adjusted life years rate ratio) for each birth cohort from 1902 to 2017, with the dots represent rate ratios for a given cohort relative to the referent 1957 cohort. SDI=Socio-demographic Index.

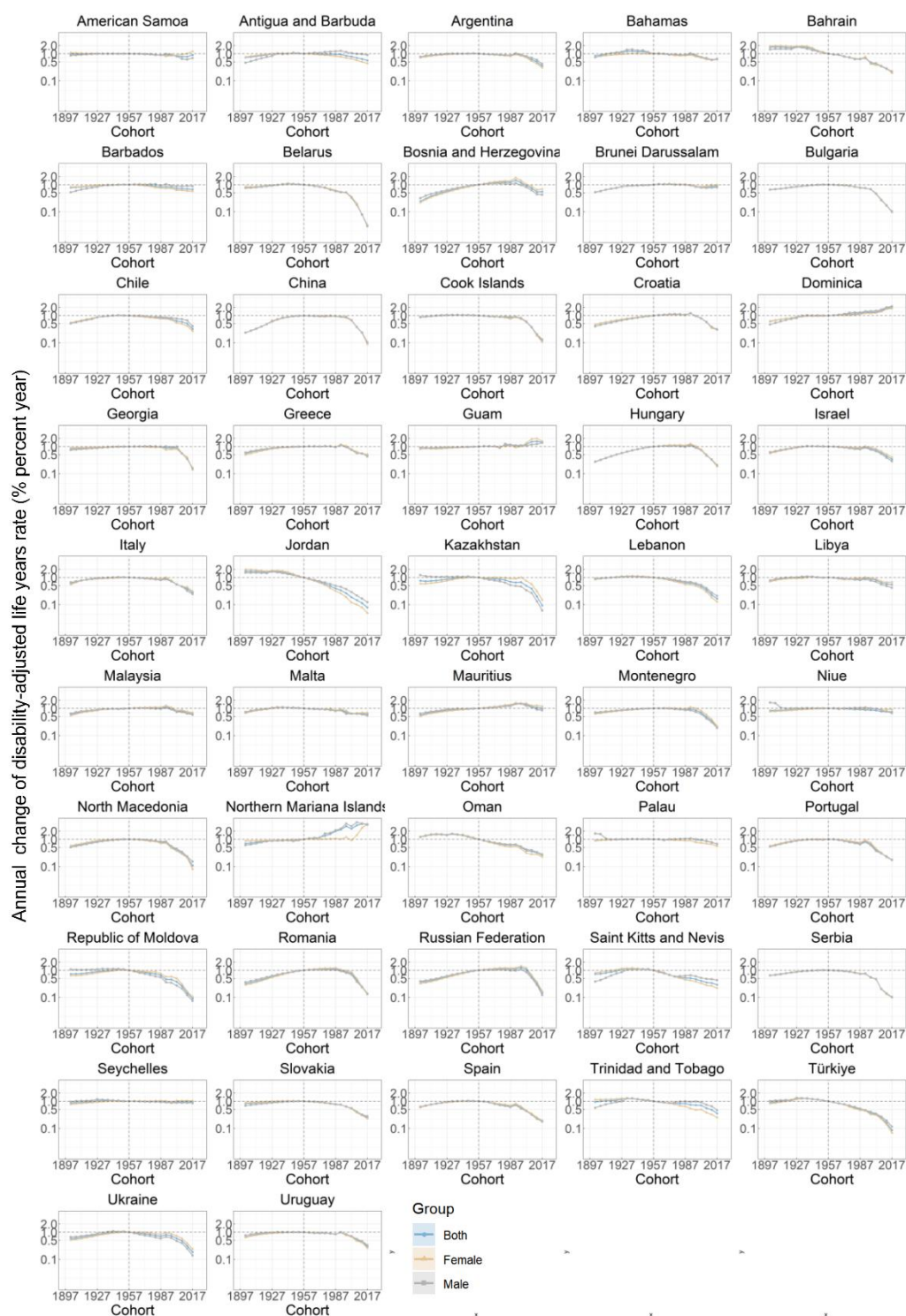


Figure S22 Cohort effects on neural tube defects disability-adjusted life years rate in High-middle SDI countries.

Cohort effects are shown by the relative risk of disability-adjusted life years rate (disability-adjusted life years rate ratio) for each birth cohort from 1902 to 2017, with the dots represent rate ratios for a given cohort relative to the referent 1957 cohort. SDI=Socio-demographic Index.

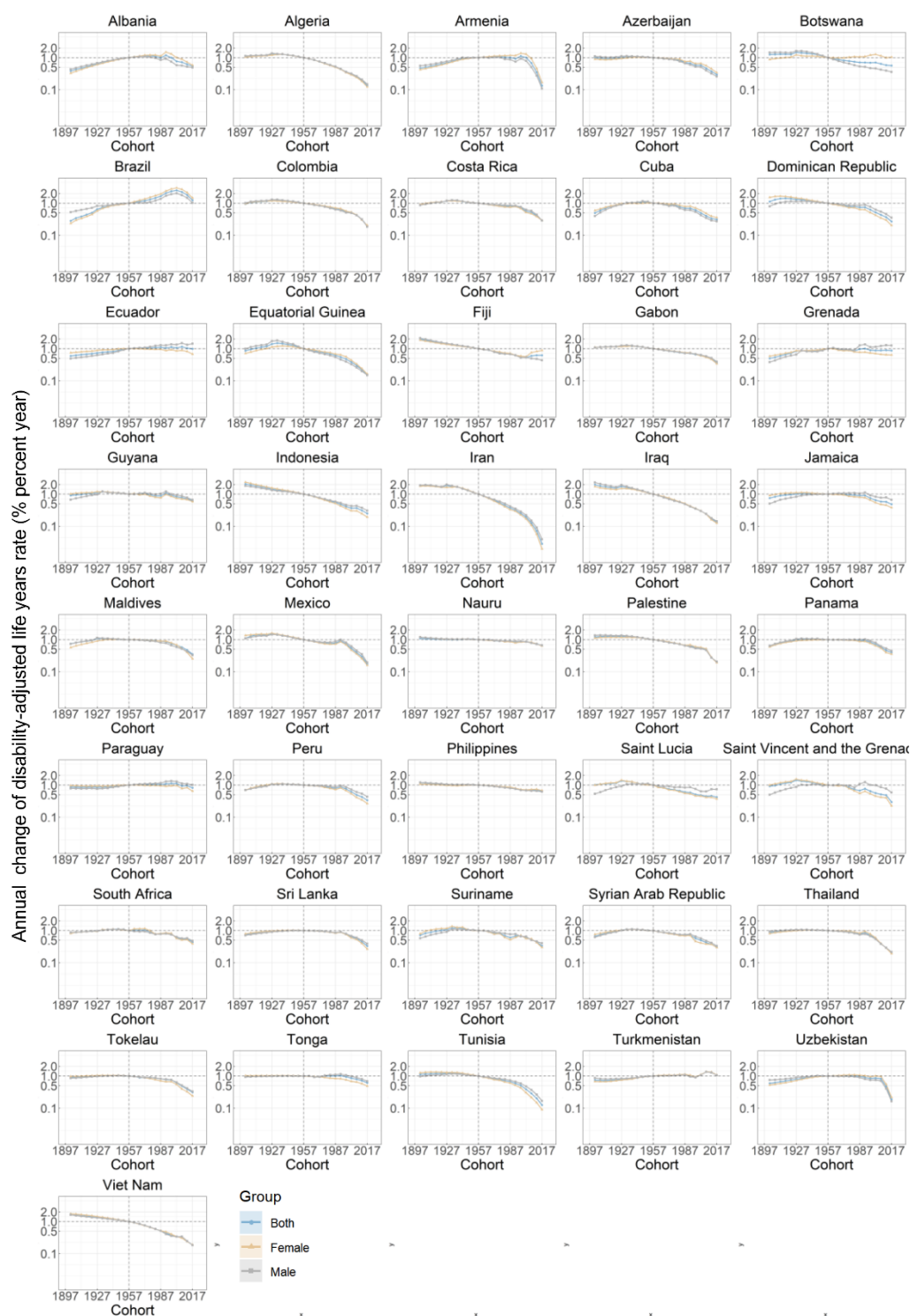


Figure S23 Cohort effects on neural tube defects disability-adjusted life years rate in Middle SDI countries.

Cohort effects are shown by the relative risk of disability-adjusted life years rate (disability-adjusted life years rate ratio) for each birth cohort from 1902 to 2017, with the dots represent rate ratios for a given cohort relative to the referent 1957 cohort. SDI=Socio-demographic Index.

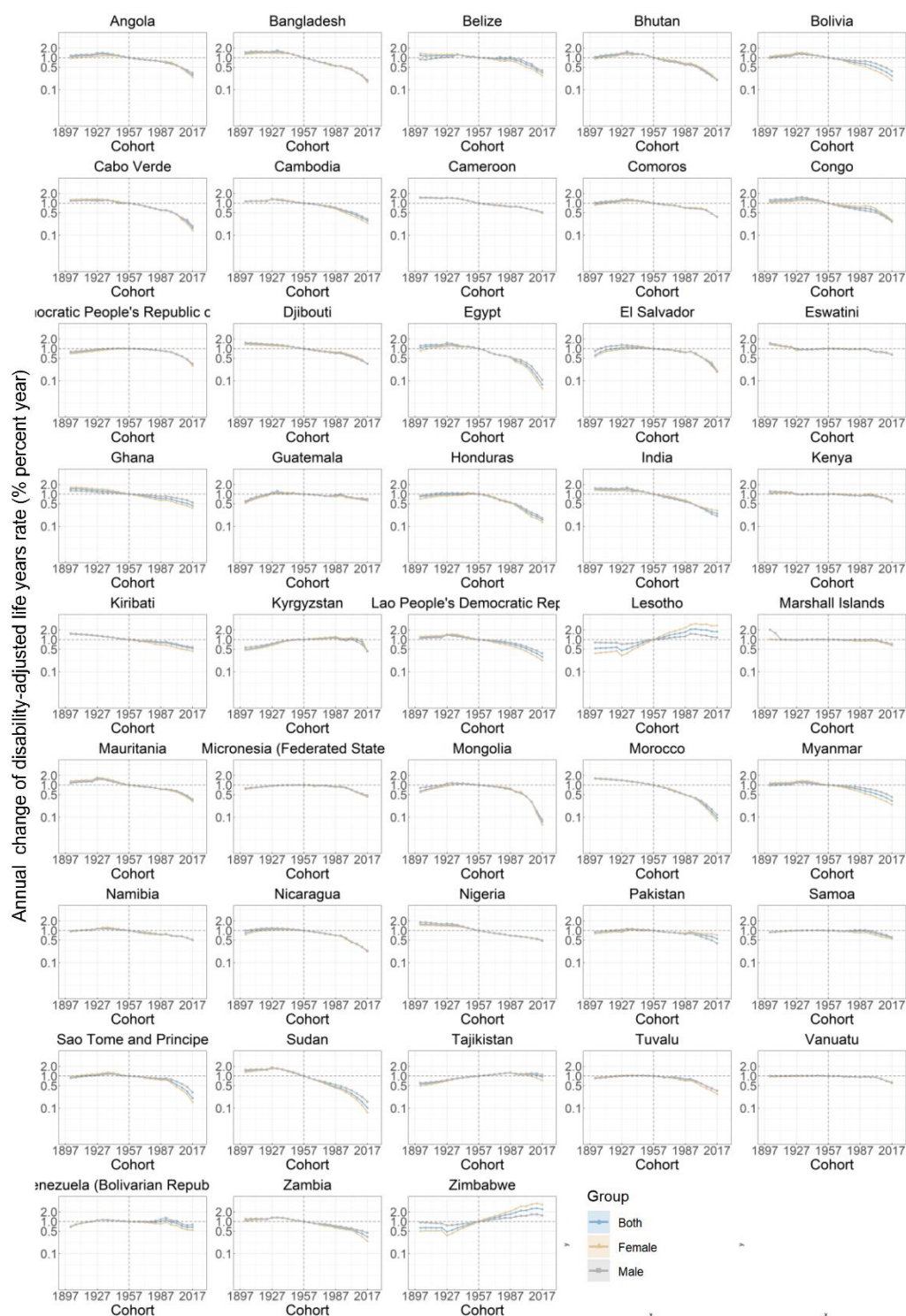


Figure S24 Cohort effects on neural tube defects disability-adjusted life years rate in Low-middle SDI countries.

Cohort effects are shown by the relative risk of disability-adjusted life years rate (disability-adjusted life years rate ratio) for each birth cohort from 1902 to 2017, with the dots represent rate ratios for a given cohort relative to the referent 1957 cohort. SDI=Socio-demographic Index.

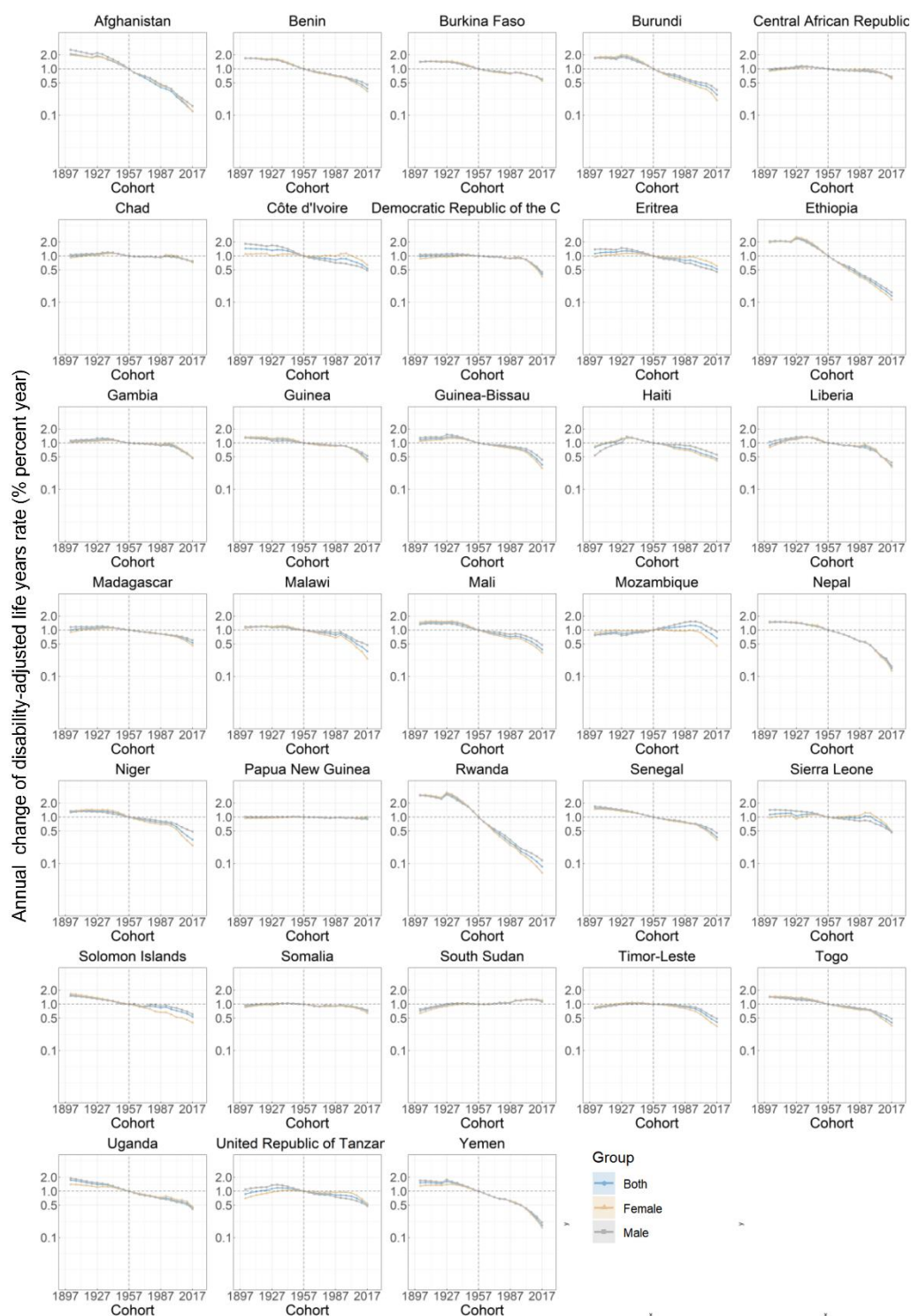


Figure S25 Cohort effects on neural tube defects disability-adjusted life years rate in Low SDI countries.

Cohort effects are shown by the relative risk of disability-adjusted life years rate (disability-adjusted life years rate ratio) for each birth cohort from 1902 to 2017, with the dots represent rate ratios for a given cohort relative to the referent 1957 cohort. SDI=Socio-demographic Index.

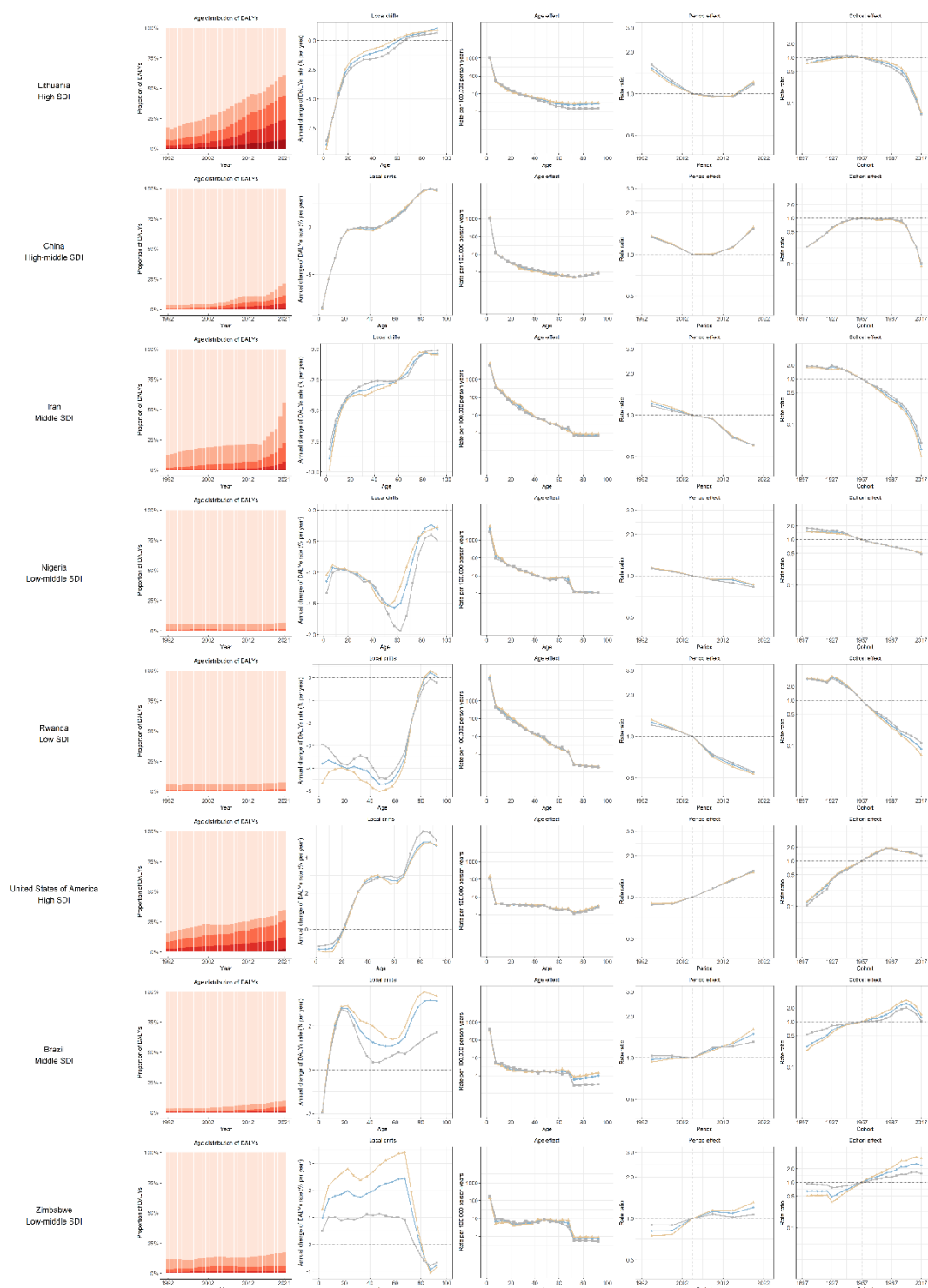


Figure S26 Age-period-cohort effects on exemplar countries across SDI quintiles. Local drifts indicate the annual percentage change of incidence rate (% per year) across five-year age groups (from 0-4 to 90-94 years). Age effects are represented by the fitted longitudinal age curves of disability-adjusted life years rate (per 100,000 person-years) adjusted for period deviations. Period effects are represented by the relative risk of disability-adjusted life years rate (incidence rate ratio) and computed as the ratio of age-specific rates in each period compared to the referent 2002-2006 period. Cohort effects are represented by the relative risk of disability-adjusted life years rate (rate ratio) and computed as the ratio of age-specific rates

in each cohort compared to the referent 1957 cohort. SDI=Socio-demographic Index.

Table S1 204 countries and territories by sociodemographic index

High SDI (N=40)	High-middle SDI (N=47)	Middle SDI (N=41)	Low-middle SDI (N=43)	Low SDI (N=33)
Andorra	American Samoa	Albania	Angola	Afghanistan
Australia	Antigua and Barbuda	Algeria	Bangladesh	Benin
Austria	Argentina	Armenia	Belize	Burkina Faso
Belgium	Bahamas	Azerbaijan	Bhutan	Burundi
Bermuda	Bahrain	Botswana	Bolivia	Central African Republic
Canada	Barbados	Brazil	Cabo Verde	Chad
Cyprus	Belarus	Colombia	Cambodia	Côte d'Ivoire
Czechia	Bosnia and Herzegovina	Costa Rica	Cameroon	Democratic Republic of the Congo
Denmark	Brunei Darussalam	Cuba	Comoros	Eritrea
Estonia	Bulgaria	Dominican Republic	Congo	Ethiopia
Finland	Chile	Ecuador	Democratic People's Republic of Korea	Gambia
France	China	Equatorial Guinea	Djibouti	Guinea
Germany	Cook Islands	Fiji	Egypt	Guinea-Bissau
Greenland	Croatia	Gabon	El Salvador	Haiti
Iceland	Dominica	Grenada	Eswatini	Liberia
Ireland	Georgia	Guyana	Ghana	Madagascar
Japan	Greece	Indonesia	Guatemala	Malawi

Kuwait	Guam	Iran	Honduras	Mali
Latvia	Hungary	Iraq	India	Mozambique
Lithuania	Israel	Jamaica	Kenya	Nepal
Luxembourg	Italy	Maldives	Kiribati	Niger
Monaco	Jordan	Mexico	Kyrgyzstan	Papua New Guinea
Netherlands	Kazakhstan	Nauru	Lao People's Democratic Republic	Rwanda
New Zealand	Lebanon	Palestine	Lesotho	Senegal
Norway	Libya	Panama	Marshall Islands	Sierra Leone
Poland	Malaysia	Paraguay	Mauritania	Solomon Islands
Puerto Rico	Malta	Peru	Micronesia (Federated States of)	Somalia
Qatar	Mauritius	Philippines	Mongolia	South Sudan
Republic of Korea	Montenegro	Saint Lucia	Morocco	Timor-Leste
San Marino	Niue	Saint Vincent and the Grenadines	Myanmar	Togo
Saudi Arabia	North Macedonia	South Africa	Namibia	Uganda
Singapore	Northern Mariana Islands	Sri Lanka	Nicaragua	United Republic of Tanzania
Slovenia	Oman	Suriname	Nigeria	Yemen
Sweden	Palau	Syrian Arab Republic	Pakistan	
Switzerland	Portugal	Thailand	Samoa	
Taiwan (Province of China)	Republic of Moldova	Tokelau	Sao Tome and Principe	

United Arab Emirates	Romania	Tonga	Sudan
United Kingdom	Russian Federation	Tunisia	Tajikistan
United States of America	Saint Kitts and Nevis	Turkmenistan	Tuvalu
United States Virgin Islands	Serbia	Uzbekistan	Vanuatu
	Seychelles	Viet Nam	Venezuela (Bolivarian Republic of)
	Slovakia		Zambia
	Spain		Zimbabwe
	Trinidad and Tobago		
	Türkiye		
	Ukraine		
	Uruguay		

SDI: sociodemographic index

Table S2 Time trends in neural tube defects disability-adjusted life years rate for both sexes in 204 countries, 1992-2021

SDI		Disability-adjusted life years		All-age disability-adjusted life years rate		Age-standardized disability-adjusted life years rate		Net drift of disability-adjusted
Quintil	Country	Number in 2021	Percent change 1992-2021, %	Rate in 2021	Percent change 1992-2021, %	Rate in 2021	Percent change 1992-2021, %	life years rate from APC model, % per year
High SDI	Andorra	2.8 (2.07, 3.65)	-65.19	3.27 (2.41, 4.26)	-74.98	5.32 (3.86, 7.09)	-75.37	-0.704 (-9.852, 9.373)
High SDI	Australia	2731.93 (2145.04, 3454.99)	-47.49	10.59 (8.32, 13.4)	-64.77	15.95 (12.08, 20.41)	-59.27	-0.522 (-0.965, -0.076)
High SDI	Austria	568.5 (467.26, 705.28)	-49.94	6.33 (5.2, 7.85)	-56.41	10.32 (8.46, 12.57)	-53.8	0.91 (0.109, 1.717)
High SDI	Belgium	887.37 (697.61, 1110.4)	-59.17	7.74 (6.08, 9.68)	-64.29	12.15 (9.46, 15.15)	-63.66	0.09 (-0.529, 0.713)
High SDI	Bermuda	2.92 (1.92, 4.43)	-66.89	4.59 (3.03, 6.98)	-68.59	7.48 (4.43, 12.82)	-60.97	-0.354 (-9.035, 9.155)
High SDI	Canada	3365.3 (2738.83, 4003.96)	-53.06	8.98 (7.31, 10.69)	-64.88	14.96 (11.76, 18.21)	-57.46	0.469 (0.049, 0.891)
High SDI	Cyprus	86.45 (65.49, 113.36)	-52.74	6.37 (4.82, 8.35)	-71.92	8.84 (6.63, 11.62)	-66.66	0.216 (-2.922, 3.455)
High SDI	Czechia	530.52 (401.05, 682.5)	-82.75	4.99 (3.77, 6.42)	-83.3	7.21 (5.19, 9.42)	-85.28	-0.216 (-0.844, 0.417)
High SDI	Denmark	625.92 (515.46, 751.27)	-61.46	10.7 (8.81, 12.84)	-65.96	16.51 (13.44, 19.81)	-64.54	-0.745 (-1.473, -0.012)
High SDI	Estonia	67 (48.94, 86.43)	-92.36	5.11 (3.73, 6.59)	-91.01	7.69 (5.46, 10.08)	-91.68	-1.356 (-3.131, 0.452)
High SDI	Finland	331.25 (265.73, 411.57)	-58.53	5.98 (4.8, 7.43)	-62.12	9.56 (7.64, 11.7)	-58.06	-0.011 (-0.956, 0.943)
High SDI	France	3971.37 (3187.41, 4918.05)	-48.02	5.98 (4.8, 7.41)	-54.47	9.08 (7.18, 11.01)	-53.05	0.593 (0.158, 1.029)
High SDI	Germany	8266.32 (6726.18, 10155.97)	-32.34	9.68 (7.88, 11.9)	-35.94	16.2 (13.08, 19.83)	-36.87	0.98 (0.36, 1.603)
High SDI	Greenland	10.56 (6.09, 17.58)	-78.25	18.82 (10.85, 31.34)	-78.53	26.06 (14.76, 44.65)	-69.51	-1.635 (-24.595, 28.315)
High SDI	Iceland	20.74 (16.21, 26.51)	-36.79	5.92 (4.63, 7.57)	-53.18	7.55 (6.01, 9.61)	-46.85	1.038 (-3.559, 5.854)
High SDI	Ireland	972.52 (789.36, 1204.89)	-67.3	19.68 (15.97, 24.38)	-76.09	29.99 (23.89, 37.8)	-72.8	-1.474 (-2.267, -0.675)
High SDI	Japan	5882.69 (4662.38, 7460.14)	-27.56	4.61 (3.65, 5.84)	-28.18	8.61 (6.83, 10.64)	-17.66	1.417 (1.111, 1.725)
High SDI	Kuwait	561.07 (456.45, 686.54)	-57.99	12.07 (9.82, 14.76)	-84.68	18.76 (15.26, 23.21)	-76.39	-2.717 (-4.836, -0.552)
High SDI	Latvia	109.6 (84.42, 140.44)	-93.21	5.86 (4.51, 7.51)	-90.44	9.59 (7.23, 12.27)	-90.2	-1.93 (-3.242, -0.601)
High SDI	Lithuania	212.22 (165.28, 272.14)	-90.82	7.78 (6.06, 9.97)	-87.58	12.4 (9.32, 15.84)	-85.75	-1.098 (-2.046, -0.141)
High SDI	Luxembourg	37.88 (30.42, 46.55)	-53.15	5.88 (4.72, 7.22)	-71.73	9.05 (7.13, 11.16)	-69.4	-0.871 (-4.199, 2.573)
High SDI	Monaco	2.3 (1.64, 3.06)	-32.43	6.08 (4.32, 8.07)	-44.66	10.75 (7.41, 14.69)	-48.51	-0.585 (-10.35, 10.243)
High SDI	Netherlands	1970.91 (1644.81, 2346.01)	-66.08	11.45 (9.56, 13.63)	-70.18	18.34 (15.35, 21.73)	-67.41	-0.806 (-1.234, -0.376)
High SDI	New Zealand	568.24 (476.1, 677.49)	-60.31	10.99 (9.21, 13.11)	-73.2	16.45 (13.56, 19.75)	-66.06	-0.968 (-2.14, 0.217)
High SDI	Norway	338.08 (268.92, 423.29)	-38.13	6.24 (4.96, 7.81)	-51.06	9.32 (7.29, 11.49)	-46.7	0.608 (-0.551, 1.781)
High SDI	Poland	2404.21 (1901.6, 2948.62)	-89.97	6.29 (4.97, 7.71)	-89.94	11.23 (8.53, 14.12)	-88.03	-0.131 (-0.618, 0.36)
High SDI	Puerto Rico	423.14 (342.56, 513.86)	-78.93	12.84 (10.4, 15.6)	-76.47	30.14 (22.73, 37.79)	-51.8	-0.257 (-1.198, 0.693)
High SDI	Qatar	358.73 (275.66, 467.12)	-34.63	12.05 (9.26, 15.69)	-89.61	16.35 (12.31, 21.4)	-83.9	-3.058 (-9.332, 3.65)
High SDI	Republic of Korea	2206.77 (1668.97, 2916.2)	-53.53	4.28 (3.24, 5.65)	-59.57	7.63 (5.87, 9.79)	-39.61	1.59 (1.088, 2.095)
High SDI	San Marino	1.79 (1.26, 2.43)	-63.58	5.47 (3.86, 7.42)	-72.8	9.87 (6.27, 14.45)	-71.66	-0.595 (-11.646, 11.838)
High SDI	Saudi Arabia	3675.64 (2817.82, 4861.36)	-78.88	9.75 (7.47, 12.89)	-90.44	11.62 (8.47, 15.79)	-84.01	-1.839 (-3.026, -0.637)
High SDI	Singapore	606.03 (461.83, 774.04)	-43.28	10.58 (8.06, 13.52)	-68.01	16.78 (12.4, 21.23)	-56.86	-0.175 (-1.171, 0.832)
High SDI	Slovenia	94.34 (68.98, 127.31)	-75.37	4.56 (3.33, 6.15)	-76.43	6.33 (4.81, 8.37)	-81.03	-0.787 (-2.073, 0.515)
High SDI	Sweden	892.56 (725.05, 1090.13)	-18.06	8.6 (6.99, 10.51)	-31.26	12.47 (9.85, 15.15)	-26.79	1.695 (1.042, 2.351)
High SDI	Switzerland	867.64 (708.03, 1047.24)	-47.99	9.72 (7.94, 11.74)	-59.38	16.71 (13.7, 20.16)	-55.7	0.124 (-0.588, 0.842)
High SDI	Taiwan (Province of China)	385.2 (292.95, 497.38)	-73.1	1.63 (1.24, 2.1)	-76.34	2.67 (2.11, 3.3)	-67.25	-1.529 (-2.375, -0.676)
High SDI	United Arab Emirates	1060.66 (661.26, 1503.73)	-52.77	11.01 (6.87, 15.61)	-89.72	21.58 (12.35, 31.7)	-77.91	-2.13 (-6.364, 2.296)
High SDI	United Kingdom	6648.15 (5866.96, 7468.24)	-38.41	9.8 (8.65, 11.01)	-47.67	15.99 (13.92, 17.95)	-37.72	-0.471 (-0.746, -0.195)
High SDI	United States of America	45065.22 (38220.8, 51409.36)	-31.91	13.55 (11.49, 15.45)	-46.85	21.51 (17.83, 24.73)	-34.26	2.318 (2.11, 2.526)
High SDI	United States Virgin Islands	6.69 (4.48, 9.85)	-89.18	7.78 (5.21, 11.47)	-86.52	14.36 (9.03, 22.55)	-74.52	-1.381 (-9.263, 7.185)
High-middle SDI	American Samoa	6.44 (4.02, 9.8)	-53.77	12.95 (8.08, 19.69)	-52.04	18.31 (10.87, 28.4)	7.3	-0.188 (-29.424, 41.159)
High-middle SDI	Antigua and Barbuda	10.11 (8.33, 12.04)	-42.48	11.31 (9.32, 13.47)	-59.96	16.98 (13.68, 20.28)	-40.36	-0.131 (-10.007, 10.83)
High-middle SDI	Argentina	14286.07 (11489.58, 17755.5)	-64.81	31.41 (25.26, 39.03)	-73.78	48.24 (37.89, 60.63)	-60.58	-0.252 (-0.916, 0.416)
High-middle SDI	Bahamas	43.4 (33.77, 55.48)	-49.58	11.19 (8.7, 14.3)	-65.25	17.65 (13.21, 23.59)	-39.03	-0.416 (-7.273, 6.947)
High-middle SDI	Bahrain	243.64 (195.91, 302)	-58.71	15.93 (12.81, 19.74)	-85.52	23.43 (18.47, 29.33)	-74.55	-1.759 (-9.57, 6.726)
High-middle SDI	Barbados	24.2 (18.55, 31.61)	-47.15	8.09 (6.2, 10.57)	-55.19	15.36 (11.35, 20.55)	-31.52	-0.184 (-5.077, 4.961)
High-middle SDI	Belarus	712.98 (537.06, 899.71)	-93.24	7.65 (5.76, 9.65)	-92.4	12.26 (9.24, 15.95)	-92.41	-1.288 (-1.902, -0.671)
High-middle SDI	Bosnia and Herzegovina	274.31 (193.93, 373.51)	-81.41	8.31 (5.87, 11.31)	-74.68	15.93 (10.46, 22.45)	-64.95	1.005 (-0.315, 2.342)
High-middle SDI	Brunei Darussalam	176.87 (127.93, 235.61)	-32.73	39.21 (28.36, 52.23)	-59.15	56.5 (40.36, 75.84)	-26.43	0.247 (-7.96, 9.186)
High-middle SDI	Bulgaria	563.35 (438.85, 717.5)	-87.05	8.3 (6.47, 10.57)	-83.7	15.99 (11.92, 20.95)	-83.43	-0.597 (-1.805, 0.626)
High-middle SDI	Chile	4340.28 (3431.98, 5402.49)	-73.99	23.09 (18.26, 28.74)	-81.04	38.08 (29.38, 47.58)	-67.27	-0.181 (-0.88, 0.522)
High-middle SDI	China	105488.86 (76232.81, 136159.4)	-92.35	7.41 (5.36, 9.57)	-93.52	16.83 (11.66, 22.32)	-87.47	0.318 (-0.995, 1.649)
High-middle SDI	Cook Islands	0.82 (0.38, 1.55)	-85.46	4.65 (2.15, 8.71)	-84.31	6.76 (2.79, 13.3)	-74.97	-0.707 (-32.361, 45.763)

Table 2 (Continued)

SDI		Disability-adjusted life years		All-age disability-adjusted life years rate		Age-standardized disability-adjusted life years rate		Net drift of disability-adjusted
Quintil	Country	Number in 2021	Percent change 1992-2021, %	Rate in 2021	Percent change 1992-2021, %	Rate in 2021	Percent change 1992-2021, %	life years rate from APC model, % per year
High-middle SDI	Croatia	208.78 (162.02, 270.09)	-68.09	4.96 (3.85, 6.42)	-63.51	7.6 (5.94, 9.78)	-66.82	0.322 (-0.628, 1.281)
High-middle SDI	Dominica	19 (13.17, 27.39)	-34.22	28.32 (19.63, 40.83)	-29.64	53.53 (35.41, 79.62)	61.51	0.652 (-10.478, 13.166)
High-middle SDI	Georgia	351.51 (267.15, 458.1)	-84.36	9.74 (7.41, 12.7)	-76.41	13.84 (10.3, 18.33)	-76.76	-0.27 (-1.242, 0.712)
High-middle SDI	Greece	1105.57 (894.57, 1336.63)	-68.33	10.87 (8.79, 13.14)	-67.13	20.19 (15.99, 24.4)	-66.41	0.095 (-0.438, 0.631)
High-middle SDI	Guam	40.74 (27.02, 58.44)	-10.94	25.59 (16.97, 36.71)	-20.2	31.61 (20.83, 45.54)	31.27	0.402 (-14.006, 17.223)
High-middle SDI	Hungary	560.01 (428.82, 723.13)	-83.94	5.84 (4.47, 7.53)	-82.65	9.43 (7.04, 12.5)	-83.31	0.588 (-0.134, 1.314)
High-middle SDI	Israel	1402.58 (1081.87, 1758.28)	-53.68	14.62 (11.28, 18.33)	-74.7	15.48 (11.92, 19.41)	-72.55	-0.178 (-1.037, 0.687)
High-middle SDI	Italy	2235.22 (1773.83, 2773.21)	-69.73	3.74 (2.97, 4.64)	-71.3	7.86 (5.79, 9.87)	-68.58	-0.339 (-0.735, 0.059)
High-middle SDI	Jordan	2374.4 (1813.56, 3073.1)	-53.35	19.27 (14.72, 24.93)	-84.77	21.35 (16.11, 27.95)	-73.08	-2.514 (-4.561, -0.423)
High-middle SDI	Kazakhstan	3232.73 (2446.74, 4287.15)	-78.68	17.05 (12.91, 22.62)	-81.77	16.65 (12.63, 22.03)	-81.76	-0.657 (-1.403, 0.095)
High-middle SDI	Lebanon	784.69 (577.43, 1040.21)	-66.2	14.16 (10.42, 18.77)	-81.09	17.84 (12.84, 23.97)	-69.56	-1.014 (-2.275, 0.262)
High-middle SDI	Libya	4664.99 (2943.45, 6801.78)	-59.98	67.9 (42.84, 99)	-74.78	104.24 (64.62, 154.35)	-46.38	-0.219 (-1.923, 1.514)
High-middle SDI	Malaysia	7352.91 (5211.88, 10251.64)	-56.45	23.11 (16.38, 32.23)	-74.31	30.27 (20.96, 42.9)	-55.32	0.175 (-0.715, 1.072)
High-middle SDI	Malta	84.38 (66.88, 105.04)	-62.03	19.08 (15.12, 23.75)	-67.6	34.56 (27.16, 43.25)	-57.49	-0.309 (-2.916, 2.368)
High-middle SDI	Mauritius	186.16 (140.95, 257.82)	-69.02	14.64 (11.08, 20.27)	-72.69	27.11 (20.27, 38.48)	-48.95	0.681 (-2.837, 4.326)
High-middle SDI	Montenegro	14.6 (10.68, 19.74)	-65.29	2.36 (1.73, 3.19)	-64.61	3.03 (2.2, 4.14)	-63.11	-0.178 (-4.116, 3.921)
High-middle SDI	Niue	1.18 (0.83, 1.61)	-8.34	70.88 (49.93, 96.01)	23.19	104.39 (72.7, 142.32)	70.55	-0.073 (-65.21, 187.016)
High-middle SDI	North Macedonia	163.74 (121.09, 221.7)	-91.99	7.52 (5.56, 10.19)	-92.66	14.66 (10.26, 20.49)	-88.56	-0.607 (-2.816, 1.653)
High-middle SDI	Northern Mariana Islands	14.87 (10.75, 20.02)	-33.22	30.67 (22.17, 41.29)	-34.2	49.09 (35.05, 66.73)	36.43	1.437 (-30.905, 48.916)
High-middle SDI	Oman	4908.36 (3439.66, 6631.41)	-63.74	104.35 (73.13, 140.98)	-83.93	122.18 (85.33, 166.95)	-69.9	-1.558 (-4.393, 1.361)
High-middle SDI	Palau	4.06 (2.05, 6.17)	-64.85	22.43 (11.31, 34.08)	-68.86	44.43 (21.9, 68.48)	-38.26	-0.035 (-42.873, 74.928)
High-middle SDI	Portugal	612.85 (483.86, 763.47)	-80.09	5.78 (4.56, 7.2)	-80.94	10.04 (7.69, 12.38)	-80.19	-0.59 (-1.307, 0.131)
High-middle SDI	Republic of Moldova	445 (341.05, 575.41)	-90.35	12.38 (9.49, 16.01)	-88.07	26.71 (20.04, 36.24)	-79.4	-1.017 (-2.308, 0.291)
High-middle SDI	Romania	1844.72 (1495.77, 2223.21)	-86.95	9.74 (7.9, 11.74)	-83.95	16.99 (13.53, 20.26)	-83.55	0.45 (-0.069, 0.971)
High-middle SDI	Russian Federation	9648.19 (7709.96, 12230.36)	-78.26	6.66 (5.32, 8.44)	-77.22	10.14 (8.05, 12.47)	-80.18	0.699 (0.181, 1.219)
High-middle SDI	Saint Kitts and Nevis	10.78 (8.43, 13.94)	-62.75	18.38 (14.38, 23.77)	-73.54	33.48 (25.51, 44.24)	-49.97	-1.064 (-14.837, 14.936)
High-middle SDI	Serbia	359.19 (275.18, 467.68)	-87.97	4.03 (3.09, 5.24)	-86.94	7.7 (5.74, 10.38)	-83.07	-0.767 (-1.744, 0.22)
High-middle SDI	Seychelles	43.28 (26.62, 64.2)	-15.34	41.05 (25.25, 60.89)	-40.24	55.86 (34, 83.13)	-13.73	-0.031 (-11.579, 13.027)
High-middle SDI	Slovakia	358.84 (283.08, 457.28)	-74.34	6.61 (5.21, 8.42)	-74.86	10.64 (8.34, 13.54)	-70.91	-0.633 (-1.601, 0.346)
High-middle SDI	Spain	2293.71 (1809.25, 2894.49)	-69.78	5.04 (3.97, 6.35)	-74.15	9.04 (6.86, 11.46)	-73.85	-0.714 (-1.244, -0.18)
High-middle SDI	Trinidad and Tobago	215.19 (162.99, 282.59)	-64.87	15.45 (11.7, 20.28)	-69.13	25.91 (19.13, 34.45)	-53.29	-0.693 (-3.596, 2.299)
High-middle SDI	Turkey	26628.75 (20939.58, 33869.63)	-85.73	31.85 (25.04, 40.51)	-89.83	48.52 (37.06, 62.49)	-81.96	-1.571 (-2.032, -1.108)
High-middle SDI	Ukraine	7467.57 (5974.5, 9476.99)	-81.24	17.34 (13.87, 22)	-77.14	38.81 (30.12, 51.56)	-69.61	-0.319 (-0.889, 0.255)
High-middle SDI	Uruguay	627.47 (502.38, 789.12)	-69.33	18.42 (14.75, 23.17)	-71.38	29.14 (22.94, 37.93)	-61.28	-0.282 (-1.324, 0.771)
Middle SDI	Albania	607.01 (403.54, 870.62)	-83.33	22.75 (15.13, 32.63)	-79.18	42.13 (27.33, 61.39)	-56.64	0.627 (-1.172, 2.459)
Middle SDI	Algeria	25448.73 (17434, 36226.46)	-67.07	57.58 (39.45, 81.96)	-80.18	57.26 (38.89, 81.7)	-73.05	-1.63 (-2.584, -0.667)
Middle SDI	Armenia	535.85 (416.19, 700.52)	-91.12	17.89 (13.89, 23.39)	-89.83	27.24 (20.91, 36.13)	-85.21	0.292 (-0.929, 1.528)
Middle SDI	Azerbaijan	3486.59 (2448.64, 5195.12)	-65.23	33.21 (23.32, 49.48)	-74.99	51.48 (35.44, 77.59)	-56.16	-0.694 (-1.854, 0.48)
Middle SDI	Botswana	1120.43 (705.26, 1649.5)	-15.5	46.82 (29.47, 68.92)	-50.38	47.38 (29.73, 70.02)	-23.69	-0.923 (-5.761, 4.165)
Middle SDI	Brazil	75159.13 (59028.86, 97137.75)	-41.74	34.11 (26.79, 44.08)	-59.47	46 (35.96, 59.94)	-44.39	1.725 (1.096, 2.358)
Middle SDI	Colombia	18355.58 (10985.4, 31512.42)	-59.43	107.69 (64.45, 184.89)	-74.24	106.89 (63.87, 183.63)	-52.52	-1.007 (-1.484, -0.529)
Middle SDI	Costa Rica	1324.12 (1097.95, 1611.16)	-71.81	27.89 (23.12, 33.93)	-80.85	43.82 (35.84, 54.15)	-63.86	-0.716 (-2.004, 0.589)
Middle SDI	Cuba	638.91 (532.07, 772.1)	-68.41	5.67 (4.72, 6.85)	-69.17	8.92 (7.52, 10.74)	-61.21	-0.545 (-1.306, 0.222)
Middle SDI	Dominican Republic	2905.94 (1796.98, 5125.2)	-65.92	26.39 (16.32, 46.54)	-76.97	28.01 (17.22, 49.7)	-64.69	-1.094 (-2.503, 0.335)
Middle SDI	Ecuador	4746.68 (3659.71, 6022.35)	-16.09	26.27 (20.26, 33.34)	-51.35	29.68 (22.75, 37.9)	-22.58	0.578 (-0.324, 1.488)
Middle SDI	Equatorial Guinea	2012.43 (1068.96, 3371.64)	-36.72	133.07 (70.68, 222.95)	-80.78	111.04 (58.94, 186.62)	-65.85	-1.393 (-8.528, 6.299)
Middle SDI	Fiji	307.49 (199.94, 434.26)	2.31	33.26 (21.63, 46.97)	-14.76	34.94 (22.67, 49.47)	5.24	-1.218 (-11.6, 10.383)
Middle SDI	Gabon	1958.12 (1085.36, 3209.62)	-42.45	107.82 (59.76, 176.73)	-67.34	94.33 (52.32, 154.4)	-52.8	-0.832 (-4.271, 2.731)
Middle SDI	Grenada	21.22 (16.81, 26.51)	-46.63	20.67 (16.38, 25.83)	-54.06	29.27 (22.97, 37.14)	-19.28	0.311 (-9.243, 10.871)
Middle SDI	Guyana	228.3 (168.53, 308.23)	-68.29	29.85 (22.04, 40.31)	-67.71	31.18 (22.94, 42.2)	-48.68	-0.284 (-5.925, 5.696)
Middle SDI	Indonesia	137437.38 (80097.72, 199044.51)	-48.18	49.28 (28.72, 71.36)	-64.61	64.07 (37.12, 93.25)	-46.08	-1.709 (-2.232, -1.183)
Middle SDI	Iran (Islamic Republic of)	12651.85 (9977.98, 15444.54)	-94.27	14.82 (11.69, 18.09)	-95.96	19.41 (14.82, 23.9)	-93.56	-2.801 (-3.963, -1.626)
Middle SDI	Iraq	16524.38 (12015.81, 22077.23)	-56.74	40.08 (29.15, 53.55)	-80	39.61 (28.68, 53.06)	-67.58	-2.076 (-2.872, -1.273)

Table 2 (Continued)

SDI		Disability-adjusted life years		All-age disability-adjusted life years rate		Age-standardized disability-adjusted life years rate		Net drift of disability-adjusted
Quintil	Country	Number in 2021	Percent change 1992-2021, %	Rate in 2021	Percent change 1992-2021, %	Rate in 2021	Percent change 1992-2021, %	life years rate from APC model, % per year
Middle SDI	Jamaica	388.91 (292.44, 511.89)	-66.82	13.89 (10.44, 18.28)	-71.47	21.56 (15.86, 28.86)	-49.02	-0.323 (-2.22, 1.611)
Middle SDI	Maldives	113.92 (73.62, 170.8)	-74.11	22.03 (14.23, 33.02)	-88.18	36.91 (22.99, 56.74)	-65.52	-0.369 (-10.861, 11.358)
Middle SDI	Mexico	37014.1 (29639.05, 46611.33)	-82.91	28.63 (22.93, 36.06)	-88.25	37.43 (29.24, 47.39)	-78.93	-1.162 (-2.098, -0.217)
Middle SDI	Nauru	8.02 (4.61, 11.88)	-28.31	72.75 (41.83, 107.77)	-32.74	57.8 (33.33, 85.61)	-14.44	-0.26 (-33.726, 50.104)
Middle SDI	Panama	907.64 (672.83, 1193.3)	-57.83	17.67 (13.1, 23.24)	-81.85	15.39 (11.41, 20.28)	-70.39	-1.13 (-3.698, 1.506)
Middle SDI	Palestine	1130.16 (880.08, 1446.86)	-48.23	26.33 (20.51, 33.71)	-69.94	31.66 (24.5, 40.69)	-58.44	-0.188 (-2.122, 1.784)
Middle SDI	Paraguay	3511.31 (2083.87, 5515.58)	-28.45	48.98 (29.07, 76.94)	-57.3	55.65 (32.85, 87.9)	-29.57	0.258 (-1.427, 1.972)
Middle SDI	Peru	12484.33 (8449.84, 18007.9)	-69.61	34.42 (23.3, 49.65)	-81.18	37.79 (25.47, 54.87)	-71.89	-0.481 (-1.053, 0.094)
Middle SDI	Philippines	62812.39 (49822.42, 80686.82)	-18.31	55.46 (43.99, 71.25)	-52.28	56.89 (45.07, 73.21)	-27.8	-0.466 (-1.028, 0.099)
Middle SDI	Saint Lucia	35.6 (26.72, 46.92)	-66.9	20.06 (15.05, 26.43)	-73.85	38.16 (27.97, 51.78)	-40.75	-1.084 (-9.151, 7.7)
Middle SDI	Saint Vincent and the Grenadines	31.63 (24.66, 41.15)	-71.46	27.73 (21.62, 36.07)	-72.49	43.18 (33, 57.08)	-51	-0.89 (-10.015, 9.161)
Middle SDI	South Africa	20286.22 (15307.09, 27686.58)	-39.2	35.68 (26.92, 48.7)	-58.65	40.95 (30.65, 56.46)	-40.36	-0.449 (-1.802, 0.922)
Middle SDI	Sri Lanka	2262.34 (1687.32, 3029.25)	-58.17	10.16 (7.58, 13.6)	-67.17	13.56 (10, 18.45)	-55.67	-0.328 (-1.089, 0.439)
Middle SDI	Suriname	361.09 (245.59, 512.7)	-44.69	62.34 (42.4, 88.51)	-62.78	80.78 (54.3, 115.58)	-47.17	-0.713 (-5.553, 4.375)
Middle SDI	Syrian Arab Republic	4040.94 (2422.6, 6117.88)	-82.57	28.8 (17.27, 43.6)	-83.19	36.56 (21.53, 57.25)	-65.72	-0.711 (-1.835, 0.427)
Middle SDI	Thailand	5599.57 (4233.25, 7178.07)	-80.79	8.4 (6.35, 10.76)	-83.2	15.46 (11.1, 20.29)	-72.77	-0.647 (-1.335, 0.046)
Middle SDI	Tokelau	1.05 (0.54, 1.72)	6.43	76.58 (39.48, 125.45)	20.48	116 (58.76, 193.65)	100.6	-0.543 (-38.332, 60.403)
Middle SDI	Tonga	34.55 (19.58, 55.32)	-45.6	32.51 (18.42, 52.04)	-49.19	24.71 (14.12, 39.3)	-41.02	-0.14 (-18.509, 22.37)
Middle SDI	Tunisia	2426.2 (1701.18, 3445.98)	-82.91	20.49 (14.36, 29.1)	-87.42	27.1 (18.47, 38.81)	-80.3	-1.319 (-2.327, -0.302)
Middle SDI	Turkmenistan	2699.4 (1806.53, 4097.02)	-23.5	52.33 (35.02, 79.42)	-43.04	50.83 (34.02, 77.15)	-15.68	0.482 (-1.656, 2.667)
Middle SDI	Uzbekistan	8485.36 (5507.57, 16477.41)	-74.38	24.79 (16.09, 48.13)	-83.61	22.62 (14.82, 43.44)	-77.53	0.085 (-0.629, 0.803)
Middle SDI	Viet Nam	14833.34 (9121.02, 24996.44)	-66.74	14.79 (9.1, 24.93)	-76.49	19.14 (11.46, 32.76)	-61.7	-1.736 (-2.196, -1.273)
Low-middle SDI	Angola	92732.2 (59323.95, 134038.16)	-2.49	283.53 (181.38, 409.82)	-67.16	165.27 (106.79, 237.35)	-59.26	-0.942 (-2.66, 0.808)
Low-middle SDI	Bangladesh	89685.72 (41862.41, 155219.3)	-76.16	54.48 (25.43, 94.28)	-83.54	64.69 (29.61, 112.88)	-66.79	-1.593 (-2.435, -0.745)
Low-middle SDI	Belize	107.46 (83.44, 137.7)	-48.21	25.04 (19.45, 32.09)	-76.32	27.76 (21.38, 35.88)	-60.59	-0.713 (-8.893, 8.202)
Low-middle SDI	Bhutan	303.02 (157.07, 547.24)	-79.42	40.03 (20.75, 72.3)	-82.49	49.06 (24.84, 89.4)	-66.74	-1.224 (-6.729, 4.606)
Low-middle SDI	Bolivia (Plurinational State of)	9233.42 (6382.19, 13207.42)	-57.13	78.27 (54.1, 111.95)	-75.65	78.52 (54.15, 112.39)	-60.72	-1.091 (-2.459, 0.297)
Low-middle SDI	Cabo Verde	208.39 (129.85, 341.9)	-76.36	37.26 (23.22, 61.13)	-84.28	46.46 (28.38, 76.76)	-68.82	-1.271 (-4.602, 2.177)
Low-middle SDI	Cambodia	77041.26 (47428.62, 105965.97)	29.15	242.42 (149.24, 333.44)	-54.53	160.42 (100, 220.12)	-40.92	-1.1 (-3.078, 0.918)
Low-middle SDI	Cameroon	6644.16 (4918.78, 9062.96)	-76.93	13.54 (10.03, 18.47)	-84.03	18 (13.02, 24.94)	-72.12	-0.965 (-2.131, 0.216)
Low-middle SDI	Comoros	1662.35 (982.81, 2488.4)	-52.76	223.32 (132.03, 334.29)	-69.38	204.06 (120.58, 305.36)	-47.03	-0.721 (-8.039, 7.18)
Low-middle SDI	Congo	7014.71 (4169.42, 10079.62)	-38.52	130.1 (77.33, 186.95)	-70.98	114.02 (67.83, 163.95)	-56.36	-1.045 (-4.521, 2.557)
Low-middle SDI	Democratic People's Republic of Korea	3621.59 (1870.07, 6623.78)	-78.43	13.72 (7.09, 25.1)	-82.65	24.03 (12.03, 44.75)	-62.59	-0.256 (-1.567, 1.073)
Low-middle SDI	Djibouti	1585.45 (895.93, 2541.28)	-20.5	125.96 (71.18, 201.9)	-68.94	109.73 (62.12, 175.7)	-54.28	-1.009 (-10.967, 10.063)
Low-middle SDI	Egypt	56228.08 (38503.3, 78859.07)	-77.11	53.23 (36.45, 74.66)	-87.54	45.25 (31.08, 63.57)	-84.5	-1.756 (-2.931, -0.567)
Low-middle SDI	El Salvador	3389.01 (2068.06, 5079.43)	-83.04	52.54 (32.06, 78.75)	-85.72	58.4 (35.23, 88.2)	-75.01	-0.654 (-1.929, 0.638)
Low-middle SDI	Eswatini	675.11 (384.56, 1097.69)	-35.89	58.44 (33.29, 95.02)	-52.52	49.48 (28.31, 79.82)	-30.71	-0.249 (-7.903, 8.042)
Low-middle SDI	Ghana	51457.81 (31509.82, 74489.1)	-13.96	150.26 (92.01, 217.51)	-60.55	113.42 (70.41, 163.48)	-47.66	-0.961 (-1.928, 0.015)
Low-middle SDI	Guatemala	9468.52 (6892.21, 12719.11)	-46.66	60.05 (43.71, 80.67)	-69.97	64.21 (46.4, 86.58)	-40.17	-0.157 (-2.175, 1.902)
Low-middle SDI	Honduras	5673.33 (3398.15, 8767.92)	-61.05	56.12 (33.61, 86.72)	-80.79	52.7 (31.46, 81.54)	-69.03	-1.255 (-3.279, 0.812)
Low-middle SDI	India	580948.48 (405631.75, 860754.76)	-60.18	41.07 (28.68, 60.85)	-75.08	53.45 (36.86, 79.86)	-56.23	-1.499 (-1.932, -1.065)
Low-middle SDI	Kenya	66527.14 (38753.39, 106967.72)	-28.39	132.89 (77.41, 213.67)	-64.77	115.91 (67.51, 185.62)	-41.53	-0.236 (-1.76, 1.312)
Low-middle SDI	Kiribati	121.15 (51.08, 191.57)	-27.28	99.99 (42.16, 158.11)	-53.85	86.09 (36.33, 136.05)	-34.81	-0.836 (-34.925, 51.112)
Low-middle SDI	Kyrgyzstan	2501.36 (1655.12, 3703.75)	-56.61	36.45 (24.12, 53.97)	-70.91	33.36 (22.09, 49.3)	-64.92	0.567 (-0.884, 2.038)
Low-middle SDI	Lao People's Democratic Republic	10644.55 (6079.1, 16275.22)	-52.53	144.28 (82.4, 220.6)	-71.75	126.79 (72.48, 193.79)	-52.72	-1.092 (-4.394, 2.324)
Low-middle SDI	Lesotho	1545.1 (949.15, 2489.16)	-25.84	82.43 (50.64, 132.8)	-37.62	76.39 (46.89, 123.22)	-10.83	1.724 (-2.516, 6.148)
Low-middle SDI	Marshall Islands	30.9 (17.45, 50.94)	-43.08	54.91 (31.01, 90.53)	-52.2	55.57 (31.28, 92)	-26.78	-0.075 (-44.324, 79.342)
Low-middle SDI	Mauritania	5175.61 (3140.15, 7880.53)	-29.64	117.73 (71.43, 179.26)	-65.41	82.13 (51, 124.79)	-55.49	-1.079 (-3.206, 1.094)
Low-middle SDI	Micronesia (Federated States of)	39.53 (22.71, 65.01)	-70.55	38.54 (22.14, 63.37)	-69.61	42.92 (24.36, 71.2)	-52.77	-0.205 (-26.519, 35.533)
Low-middle SDI	Mongolia	457.47 (301.44, 659.68)	-84.68	13.71 (9.04, 19.77)	-89.73	12.62 (8.36, 18.14)	-86.38	-0.878 (-3.61, 1.931)
Low-middle SDI	Morocco	7187.56 (4346.78, 15151.05)	-81.39	19.33 (11.69, 40.75)	-86.84	22.2 (13.37, 46.33)	-78.91	-1.941 (-2.652, -1.225)
Low-middle SDI	Myanmar	67560.16 (40634.99, 101175.36)	-47.37	119.75 (72.02, 179.33)	-61.32	130.69 (78.44, 196.01)	-47.56	-0.939 (-1.805, -0.065)
Low-middle SDI	Namibia	1030.64 (624.12, 1542.49)	-28.65	42.39 (25.67, 63.45)	-56.14	37.72 (22.84, 56.32)	-37.64	-0.619 (-5.408, 4.412)

Table 2 (Continued)

SDI		Disability-adjusted life years		All-age disability-adjusted life years rate		Age-standardized disability-adjusted life years rate		Net drift of disability-adjusted
Quintil	Country	Number in 2021	Percent change 1992-2021, %	Rate in 2021	Percent change 1992-2021, %	Rate in 2021	Percent change 1992-2021, %	life years rate from APC model, % per year
Low-middle SDI	Nicaragua	2950.4 (2048.84, 4180.77)	-71.24	44.24 (30.72, 62.69)	-82.21	46.88 (32.33, 66.82)	-69.32	-0.924 (-2.605, 0.787)
Low-middle SDI	Nigeria	798459.56 (467807.31, 1168733.07)	43.87	345.41 (202.37, 505.58)	-40.55	211.33 (125.36, 307.16)	-29.18	-1.108 (-1.636, -0.577)
Low-middle SDI	Pakistan	156483.11 (73481.37, 291075.39)	-12.43	66.43 (31.2, 123.57)	-56.86	53.11 (25.13, 98.53)	-40.31	-0.286 (-1.299, 0.738)
Low-middle SDI	Samoa	97.56 (52.99, 156.92)	-36.36	45.67 (24.8, 73.45)	-49.23	33.54 (18.54, 53.62)	-44.25	-0.185 (-16.643, 19.523)
Low-middle SDI	Sao Tome and Principe	149.66 (88.07, 280.24)	-70.2	69.09 (40.66, 129.37)	-82.66	62.11 (36.5, 116.47)	-73.08	-0.803 (-8.429, 7.459)
Low-middle SDI	Sudan	83297.1 (55102.69, 122566.32)	-67.29	191.84 (126.91, 282.29)	-83.72	150.92 (99.84, 222.41)	-76.03	-2.162 (-3.44, -0.866)
Low-middle SDI	Tajikistan	7095.06 (3784.82, 12085.79)	12.17	69.83 (37.25, 118.96)	-38.26	53.18 (28.87, 90.04)	-18.83	0.696 (-1.008, 2.429)
Low-middle SDI	Tuvalu	6.27 (3.83, 9.51)	-69.64	50.71 (31.01, 76.87)	-76.6	48.93 (29.91, 74.18)	-64.19	-0.549 (-24.183, 30.452)
Low-middle SDI	Vanuatu	214.37 (119.13, 366.52)	0.66	68.49 (38.06, 117.11)	-48.66	51.57 (28.82, 88.04)	-29.09	-0.16 (-25.527, 33.846)
Low-middle SDI	Venezuela (Bolivarian Republic of)	9948.28 (6989, 13991.37)	-44.65	37.36 (26.25, 52.54)	-59	44.59 (31.03, 62.83)	-36.1	-0.144 (-1.018, 0.739)
Low-middle SDI	Zambia	53056.79 (28667.22, 89540.28)	-17.43	271.87 (146.9, 458.82)	-64.85	185.05 (100.39, 312.06)	-49.64	-0.995 (-3.295, 1.36)
Low-middle SDI	Zimbabwe	9661.08 (6112.8, 13874.73)	58.26	61.95 (39.2, 88.97)	9.98	45.3 (28.76, 65.26)	30.75	1.692 (-0.592, 4.029)
Low SDI	Afghanistan	100117.09 (55929.92, 153939.01)	-9.43	320.66 (179.14, 493.04)	-69.98	185.88 (104.29, 285.14)	-65.68	-2.441 (-4.187, -0.663)
Low SDI	Benin	45836.71 (31297.62, 63539.8)	10.72	339.55 (231.85, 470.69)	-57.42	192.94 (132.53, 266.11)	-48.69	-1.3 (-2.744, 0.166)
Low SDI	Burkina Faso	94688.78 (55734.95, 137791.94)	25.89	416.01 (244.87, 605.38)	-44.7	222.06 (131.78, 322.55)	-37.3	-0.833 (-2.063, 0.413)
Low SDI	Burundi	45531.81 (25552.93, 71714.74)	-9.93	344.41 (193.29, 542.46)	-60.39	208.9 (117.18, 327.64)	-50.65	-1.748 (-4.283, 0.855)
Low SDI	Central African Republic	28634.58 (15009.19, 42281.32)	1.26	522.13 (273.68, 770.98)	-46.88	327.55 (171.98, 482.71)	-31.55	-0.259 (-4.513, 4.184)
Low SDI	Chad	75307.42 (42692.94, 113731.95)	91.79	424.28 (240.53, 640.77)	-30.78	200.27 (115.69, 300.18)	-26.47	-0.214 (-1.638, 1.23)
Low SDI	Côte d'Ivoire	80351.58 (57295.79, 110809.49)	3.83	288.39 (205.64, 397.71)	-50.98	184.23 (131.79, 254.15)	-38.85	-0.754 (-2.508, 1.033)
Low SDI	Democratic Republic of the Congo	228516.97 (130236.5, 344821.2)	-31.75	253.86 (144.68, 383.06)	-69.44	170.62 (98.25, 256.57)	-57.03	-0.304 (-1.862, 1.279)
Low SDI	Eritrea	16602.97 (9637.02, 25833.58)	-9.54	251.64 (146.06, 391.54)	-56.72	181.3 (105.51, 281.42)	-42.55	-0.706 (-6.025, 4.915)
Low SDI	Ethiopia	256652.64 (162940.3, 392948.79)	-42.85	235.6 (149.57, 360.71)	-71.21	157.37 (100.84, 240.44)	-59.78	-2.705 (-4.679, -0.691)
Low SDI	Gambia	3434.84 (2392.36, 5032.27)	-11.19	143.47 (99.92, 210.19)	-60.61	97.27 (68.49, 141.27)	-47.64	-0.444 (-4.296, 3.564)
Low SDI	Guinea	51889.65 (34552.63, 72430.9)	-18.02	386.38 (257.28, 539.33)	-60.35	227.76 (153.35, 317.87)	-50.5	-0.653 (-1.893, 0.602)
Low SDI	Guinea-Bissau	6096.68 (3806, 9093.43)	-31.33	295.39 (184.41, 440.59)	-65.01	186.13 (117.29, 276.07)	-56.88	-0.86 (-5.86, 4.405)
Low SDI	Haiti	24493.62 (13755.34, 44285.95)	-22.47	190.4 (106.93, 344.26)	-59.57	153.24 (85.87, 278.76)	-45.1	-0.706 (-2.803, 1.436)
Low SDI	Liberia	11975.63 (7950.74, 16995.57)	-33.95	219.35 (145.63, 311.3)	-75.84	157.22 (104.64, 223.51)	-68.29	-0.736 (-2.957, 1.536)
Low SDI	Madagascar	83725.62 (47618.79, 126475.75)	3.09	293.18 (166.75, 442.88)	-54.65	208.27 (118.51, 314.11)	-36.71	-0.529 (-2.124, 1.092)
Low SDI	Malawi	56830.94 (31990.15, 98340.67)	-53.03	292.22 (164.49, 505.66)	-74.67	209.62 (118.09, 362.78)	-59.42	-0.769 (-3.558, 2.102)
Low SDI	Mali	109256.36 (65724.41, 164153.98)	17.59	453.27 (272.67, 681.02)	-56.08	231.7 (139.38, 351.22)	-51.87	-1.093 (-2.458, 0.292)
Low SDI	Mozambique	119082.84 (72157.95, 184422.59)	-11.38	383.24 (232.22, 593.52)	-61.31	230.57 (139.73, 356.23)	-53.11	0.353 (-1.465, 2.206)
Low SDI	Nepal	9009.32 (5056.48, 19071.36)	-74.58	28.94 (16.24, 61.26)	-83.43	28.88 (16.12, 61.39)	-70.6	-1.623 (-2.464, -0.775)
Low SDI	Niger	57672.9 (28334.36, 95609.56)	21.91	230.34 (113.16, 381.85)	-58.38	111.27 (56.05, 181.09)	-53.58	-1.026 (-2.97, 0.958)
Low SDI	Papua New Guinea	24448.73 (12093.99, 40110.83)	109.88	233.7 (115.6, 383.41)	-13.02	152.02 (76.07, 248.91)	-5.35	-0.044 (-5.564, 5.798)
Low SDI	Rwanda	29080.59 (17270.52, 47833.86)	-54.8	219.14 (130.15, 360.47)	-74.35	166.21 (98.8, 272.92)	-62.41	-3.561 (-6.04, -1.016)
Low SDI	Senegal	28704.51 (18706.24, 40100.69)	-32.49	180.99 (117.95, 252.85)	-65.69	127.91 (83.21, 178.15)	-53.09	-1.033 (-2.226, 0.174)
Low SDI	Sierra Leone	30696.16 (20955.63, 42720.89)	-29.5	346.17 (236.33, 481.78)	-66.87	222.86 (153.2, 309.11)	-56.67	-0.386 (-2.004, 1.259)
Low SDI	Solomon Islands	627.82 (293.03, 1071.67)	-9.72	91.84 (42.87, 156.78)	-52.38	65.23 (30.59, 110.64)	-37.02	-0.775 (-17.421, 19.227)
Low SDI	Somalia	99985.24 (52517.01, 167252.33)	75.38	462.75 (243.06, 774.08)	-37.11	229.67 (121.38, 384.01)	-35.63	-0.16 (-3.382, 3.168)
Low SDI	South Sudan	60631.99 (33396.58, 100145.12)	32.78	626.85 (345.27, 1035.36)	-16.06	351.62 (194.14, 579.97)	-8.09	0.318 (-1.899, 2.586)
Low SDI	Timor-Leste	1706.4 (1055.63, 2598.14)	-38.19	122.08 (75.52, 185.88)	-63.99	88.28 (54.94, 133.95)	-48.28	-0.399 (-7.488, 7.235)
Low SDI	Togo	15552.69 (10550.52, 22750.44)	-22.74	185.79 (126.04, 271.78)	-64.26	136.36 (92.38, 198.25)	-49.79	-0.941 (-3.134, 1.301)
Low SDI	Uganda	138101.74 (88441.7, 206858.34)	11.18	318.83 (204.18, 477.57)	-52.71	187.45 (120.31, 281.2)	-34.42	-1.113 (-2.414, 0.205)
Low SDI	United Republic of Tanzania	208554.85 (132595.7, 310296.68)	-9.75	356.82 (226.86, 530.89)	-57.7	234.83 (149.61, 349.67)	-42.39	-0.455 (-1.76, 0.867)
Low SDI	Yemen	76305.95 (45279.34, 129816.05)	-47.23	226.81 (134.59, 385.86)	-77.11	165.46 (98.46, 281.66)	-65.12	-1.603 (-3.313, 0.137)

Notes:

All-age disability-adjusted life years rate: crude disability-adjusted life years rate.

Age-standardized disability-adjusted life years rate is computed by direct standardization with global standard population in GBD 2021.

Net drifts are estimates derived from the age-period-cohort model and denotes overall annual percentage change in disability-adjusted life years rate, which captures the contribution of the effects from calendar time and successive birth cohorts.

Parentheses for all GBD health estimate indicate 95% uncertainty intervals; parentheses for net drift indicate 95% confidence intervals.

SDI: Socio-demographic Index; APC: age-period-cohort.