

Supplementary Material

1 Supplementary Figures and Tables

1.1 Supplementary Tables

Supplementary table 1. Incidence and age-standardized incidence rate per 1000 people for edentulism in 1990 and 2019, and its estimated annual percentage change in 204 countries and territories from 1990 to 2019.

	1990		2019		EAPC of ASIR (95%CI)
	ASIR/1000 (95%UI)	Incident cases*10 ⁵ (95%UI)	ASIR/1000 (95%UI)	Incident cases*10 ⁵ (95%UI)	From 1990 to 2019
Afghanistan	4.59(3.66,5.63)	0.35(0.28,0.45)	4.52(3.60,5.51)	0.80(0.63,1.01)	-0.14(-0.22,-0.07)
Albania	4.68(3.76,5.67)	0.11(0.09,0.13)	4.22(3.35,5.15)	0.17(0.13,0.21)	-0.46(-0.51,-0.42)
Algeria	4.30(3.42,5.22)	0.63(0.50,0.77)	4.12(3.27,5.10)	1.57(1.24,1.96)	-0.21(-0.24,-0.19)
American Samoa	3.82(3.01,4.67)	0.00(0.00,0.00)	3.80(2.96,4.66)	0.00(0.00,0.00)	-0.03(-0.04,-0.01)
Andorra	3.49(2.70,4.34)	0.00(0.00,0.00)	3.28(2.53,4.13)	0.00(0.00,0.01)	-0.24(-0.27,-0.20)
Angola	1.90(1.49,2.34)	0.11(0.09,0.14)	1.72(1.35,2.12)	0.29(0.22,0.37)	-0.50(-0.56,-0.43)
Antigua and Barbuda	3.57(2.81,4.46)	0.00(0.00,0.00)	3.28(2.53,4.11)	0.00(0.00,0.00)	-0.31(-0.32,-0.29)
Argentina	3.74(2.94,4.60)	1.22(0.95,1.51)	3.28(2.56,4.07)	1.70(1.33,2.11)	-0.43(-0.46,-0.40)
Armenia	5.42(4.39,6.46)	0.17(0.13,0.21)	5.12(4.11,6.14)	0.21(0.16,0.26)	-0.34(-0.45,-0.24)
Australia	5.69(5.38,5.98)	1.07(1.01,1.12)	4.14(3.25,5.09)	1.49(1.15,1.82)	-0.71(-1.15,-0.27)
Austria	4.41(3.47,5.35)	0.47(0.37,0.56)	3.99(3.12,4.89)	0.59(0.47,0.73)	-0.69(-1.07,-0.30)
Azerbaijan	5.21(4.24,6.22)	0.30(0.24,0.37)	4.94(3.98,5.96)	0.55(0.42,0.70)	-0.35(-0.49,-0.21)
Bahamas	3.37(2.61,4.23)	0.01(0.00,0.01)	3.21(2.48,4.04)	0.01(0.01,0.02)	-0.19(-0.21,-0.17)
Bahrain	3.94(3.12,4.88)	0.01(0.01,0.01)	3.79(2.97,4.73)	0.06(0.04,0.07)	-0.17(-0.19,-0.15)
Bangladesh	1.06(0.82,1.34)	0.49(0.38,0.62)	0.91(0.70,1.15)	1.16(0.88,1.47)	-0.55(-0.58,-0.52)
Barbados	3.58(2.77,4.42)	0.01(0.01,0.01)	3.37(2.62,4.24)	0.02(0.01,0.02)	-0.24(-0.26,-0.22)
Belarus	3.75(2.95,4.65)	0.49(0.38,0.62)	3.53(2.78,4.34)	0.53(0.40,0.66)	-0.28(-0.34,-0.23)
Belgium	4.45(3.53,5.40)	0.63(0.49,0.75)	4.02(3.15,4.93)	0.75(0.59,0.91)	-0.47(-0.62,-0.33)
Belize	3.81(2.96,4.73)	0.00(0.00,0.00)	3.53(2.74,4.44)	0.01(0.01,0.01)	-0.27(-0.30,-0.25)
Benin	1.89(1.46,2.39)	0.04(0.03,0.06)	1.76(1.37,2.25)	0.11(0.08,0.14)	-0.32(-0.36,-0.28)
Bermuda	3.34(2.58,4.18)	0.00(0.00,0.00)	3.08(2.37,3.86)	0.00(0.00,0.00)	-0.32(-0.34,-0.30)
Bhutan	1.58(1.24,1.98)	0.00(0.00,0.00)	1.33(1.04,1.67)	0.01(0.01,0.01)	-0.60(-0.61,-0.59)
Bolivia	6.27(5.24,7.25)	0.24(0.20,0.28)	5.85(4.83,6.89)	0.57(0.47,0.69)	-0.25(-0.26,-0.24)
Bosnia and Herzegovina	4.99(4.02,6.01)	0.23(0.18,0.29)	4.41(3.50,5.36)	0.25(0.19,0.30)	-0.97(-1.55,-0.40)
Botswana	2.67(2.11,3.33)	0.02(0.02,0.03)	2.43(1.92,3.02)	0.05(0.04,0.06)	-0.31(-0.32,-0.31)
Brazil	6.06(5.08,6.97)	6.15(5.12,7.20)	5.88(4.88,6.81)	14.5(11.97,16.97)	-0.06(-0.26,0.15)
Brunei	2.16(1.68,2.70)	0.00(0.00,0.00)	2.14(1.65,2.65)	0.01(0.01,0.01)	-0.09(-0.10,-0.08)
Bulgaria	4.19(3.31,5.11)	0.52(0.40,0.64)	3.75(2.93,4.64)	0.47(0.36,0.58)	-0.70(-0.97,-0.43)
Burkina Faso	1.36(1.05,1.74)	0.07(0.05,0.08)	1.25(0.96,1.60)	0.13(0.10,0.17)	-0.25(-0.45,-0.06)
Burundi	1.17(0.90,1.49)	0.03(0.03,0.04)	1.19(0.92,1.51)	0.07(0.05,0.09)	0.05(0.01,0.08)
Cape Verde	1.84(1.44,2.35)	0.00(0.00,0.01)	1.63(1.28,2.09)	0.01(0.01,0.01)	-0.52(-0.57,-0.48)
Cambodia	3.45(2.70,4.27)	0.17(0.14,0.22)	3.02(2.35,3.76)	0.39(0.30,0.50)	-0.47(-0.53,-0.42)
Cameroon	1.77(1.37,2.23)	0.09(0.07,0.12)	1.69(1.33,2.16)	0.25(0.20,0.32)	-0.24(-0.30,-0.18)
Canada	2.79(2.17,3.44)	0.88(0.69,1.08)	2.22(1.74,2.80)	1.26(0.97,1.62)	-0.57(-0.83,-0.31)
Central African Republic	2.01(1.59,2.50)	0.03(0.03,0.04)	1.99(1.57,2.48)	0.06(0.05,0.08)	-0.09(-0.12,-0.07)
Chad	2.37(1.83,3.01)	0.08(0.06,0.10)	2.17(1.68,2.77)	0.16(0.12,0.20)	-0.40(-0.52,-0.28)

Chile	3.48(2.72,4.33)	0.36(0.28,0.46)	2.96(2.29,3.70)	0.71(0.55,0.89)	-0.51(-0.54,-0.49)
China	2.85(2.24,3.52)	24.66(18.94,31.01)	2.72(2.14,3.38)	55.32(42.43,69.92)	0.01(-0.53,0.56)
Colombia	3.20(2.49,3.99)	0.65(0.51,0.81)	2.88(2.25,3.60)	1.53(1.20,1.93)	-0.25(-0.33,-0.16)
Comoros	1.35(1.05,1.72)	0.00(0.00,0.00)	1.34(1.04,1.71)	0.01(0.01,0.01)	-0.05(-0.15,0.06)
Congo	1.81(1.43,2.25)	0.03(0.02,0.03)	1.73(1.36,2.15)	0.06(0.05,0.08)	-0.27(-0.58,0.05)
Cook Islands	3.95(3.12,4.81)	0.00(0.00,0.00)	3.69(2.86,4.54)	0.00(0.00,0.00)	-0.21(-0.22,-0.20)
Costa Rica	3.76(2.98,4.64)	0.07(0.06,0.09)	3.45(2.69,4.29)	0.18(0.14,0.23)	-0.32(-0.33,-0.31)
Croatia	4.35(3.43,5.30)	0.28(0.22,0.35)	3.91(3.08,4.84)	0.29(0.23,0.36)	-1.01(-1.58,-0.43)
Cuba	3.99(3.13,4.96)	0.41(0.32,0.50)	3.66(3.30,4.07)	0.66(0.60,0.74)	-0.36(-0.42,-0.30)
Cyprus	3.86(3.02,4.75)	0.03(0.02,0.04)	3.55(2.76,4.44)	0.07(0.05,0.08)	-0.30(-0.33,-0.27)
Czech	4.43(3.51,5.43)	0.58(0.45,0.70)	3.94(3.11,4.89)	0.72(0.55,0.88)	-0.61(-0.84,-0.38)
Cote d'Ivoire	2.32(1.82,2.94)	0.13(0.10,0.16)	2.24(1.75,2.84)	0.31(0.24,0.40)	-0.21(-0.67,0.25)
North Korea	2.45(1.89,3.08)	0.38(0.29,0.49)	2.68(2.09,3.31)	0.86(0.67,1.07)	0.31(0.29,0.34)
DR Congo	1.97(1.54,2.43)	0.44(0.34,0.56)	1.97(1.55,2.45)	1.06(0.82,1.36)	-0.04(-0.13,0.06)
Denmark	3.59(2.79,4.46)	0.26(0.20,0.32)	3.12(2.41,3.90)	0.31(0.24,0.38)	-1.15(-2.13,-0.17)
Djibouti	1.06(0.81,1.34)	0.00(0.00,0.00)	1.05(0.81,1.34)	0.01(0.01,0.01)	-0.02(-0.07,0.03)
Dominica	3.81(2.98,4.71)	0.00(0.00,0.00)	3.41(2.63,4.25)	0.00(0.00,0.00)	-0.4(-0.43,-0.37)
Dominican Republic	4.48(3.55,5.43)	0.18(0.15,0.23)	4.04(3.19,4.97)	0.39(0.31,0.49)	-0.37(-0.49,-0.24)
Ecuador	5.77(4.69,6.79)	0.35(0.29,0.42)	5.38(4.40,6.35)	0.86(0.70,1.03)	-0.43(-0.71,-0.14)
Egypt	4.45(3.55,5.44)	1.56(1.25,1.94)	4.15(3.29,5.08)	3.16(2.48,3.98)	-0.27(-0.28,-0.26)
El Salvador	3.92(3.08,4.84)	0.13(0.10,0.16)	3.65(2.87,4.53)	0.21(0.17,0.26)	-0.26(-0.26,-0.25)
Equatorial Guinea	1.97(1.54,2.44)	0.00(0.00,0.01)	1.51(1.18,1.88)	0.01(0.01,0.02)	-1.22(-1.37,-1.07)
Eritrea	1.17(0.90,1.49)	0.02(0.01,0.02)	1.11(0.85,1.41)	0.04(0.03,0.05)	-0.14(-0.19,-0.09)
Estonia	3.72(2.93,4.58)	0.07(0.06,0.09)	3.46(2.69,4.29)	0.08(0.06,0.09)	-0.72(-1.12,-0.32)
Eswatini	2.50(1.96,3.09)	0.01(0.01,0.01)	2.32(1.84,2.86)	0.02(0.02,0.02)	-0.27(-0.52,-0.02)
Ethiopia	1.28(0.99,1.62)	0.31(0.24,0.40)	1.19(0.92,1.51)	0.64(0.49,0.82)	-0.27(-0.47,-0.08)
Fiji	4.20(3.32,5.14)	0.02(0.01,0.02)	3.96(3.10,4.88)	0.03(0.02,0.04)	-0.18(-0.18,-0.17)
Finland	4.97(4.29,5.72)	0.33(0.29,0.37)	3.64(2.84,4.53)	0.36(0.28,0.45)	-1.54(-2.18,-0.90)
France	3.84(2.98,4.71)	2.88(2.23,3.52)	3.47(2.69,4.30)	3.83(2.94,4.69)	-0.31(-1.08,0.47)
Gabon	1.65(1.29,2.06)	0.01(0.01,0.01)	1.58(1.24,1.95)	0.02(0.02,0.03)	-0.18(-0.19,-0.16)
Gambia	1.86(1.44,2.34)	0.01(0.01,0.01)	1.80(1.40,2.28)	0.02(0.02,0.03)	-0.17(-0.22,-0.13)
Georgia	4.64(3.71,5.64)	0.30(0.23,0.37)	4.56(3.63,5.54)	0.25(0.20,0.30)	-0.22(-0.35,-0.09)
Germany	3.62(2.80,4.50)	4.24(3.29,5.27)	3.20(2.49,4.01)	4.99(3.82,6.20)	-1.07(-1.71,-0.43)
Ghana	1.71(1.34,2.18)	0.13(0.10,0.17)	1.56(1.21,2.00)	0.30(0.23,0.38)	-0.24(-0.50,0.02)
Greece	3.91(3.07,4.82)	0.57(0.44,0.71)	3.60(2.82,4.46)	0.66(0.52,0.81)	-0.55(-0.97,-0.13)
Greenland	2.83(2.22,3.58)	0.00(0.00,0.00)	2.39(1.87,3.01)	0.00(0.00,0.00)	-0.59(-0.62,-0.56)
Grenada	3.80(2.97,4.70)	0.00(0.00,0.00)	3.37(2.62,4.23)	0.00(0.00,0.01)	-0.44(-0.47,-0.42)
Guam	3.62(2.83,4.43)	0.00(0.00,0.00)	3.52(2.73,4.35)	0.01(0.01,0.01)	-0.40(-0.72,-0.09)
Guatemala	4.38(3.51,5.35)	0.19(0.16,0.24)	4.14(3.30,5.05)	0.51(0.41,0.62)	-0.23(-0.30,-0.15)
Guinea	1.85(1.44,2.37)	0.07(0.05,0.09)	1.76(1.38,2.24)	0.11(0.09,0.15)	-0.21(-0.26,-0.16)
Guinea-Bissau	1.90(1.48,2.42)	0.01(0.01,0.01)	1.81(1.41,2.30)	0.02(0.01,0.02)	-0.20(-0.23,-0.16)
Guyana	3.92(3.07,4.83)	0.02(0.01,0.02)	3.56(2.76,4.42)	0.02(0.02,0.03)	-0.35(-0.36,-0.35)
Haiti	4.00(3.11,4.92)	0.15(0.11,0.19)	3.89(3.02,4.88)	0.31(0.24,0.40)	-0.12(-0.13,-0.11)
Honduras	4.00(3.16,4.92)	0.10(0.08,0.12)	3.77(2.95,4.69)	0.26(0.21,0.33)	-0.22(-0.23,-0.22)
Hungary	4.54(3.60,5.54)	0.64(0.50,0.78)	4.04(3.18,5.00)	0.68(0.52,0.83)	-0.38(-0.61,-0.16)
Iceland	3.79(2.94,4.67)	0.01(0.01,0.01)	3.38(2.60,4.20)	0.02(0.01,0.02)	-0.44(-0.47,-0.42)
India	2.67(2.08,3.36)	12.59(9.54,16.24)	2.42(1.88,3.02)	27.96(21.65,35.33)	0.61(-0.11,1.34)
Indonesia	3.59(2.84,4.40)	3.97(3.12,5.04)	3.24(2.55,3.99)	7.62(5.87,9.70)	-0.31(-0.35,-0.27)
Iran	3.70(2.95,4.56)	1.16(0.91,1.47)	3.52(2.80,4.34)	2.87(2.26,3.58)	-0.66(-1.14,-0.19)
Iraq	4.30(3.41,5.31)	0.39(0.31,0.49)	4.10(3.25,5.08)	1.18(0.94,1.50)	-0.29(-0.34,-0.24)

Ireland	4.88(3.95,5.80)	0.19(0.15,0.22)	4.20(3.28,5.13)	0.29(0.22,0.35)	-0.55(-0.76,-0.34)
Israel	4.35(3.43,5.31)	0.20(0.16,0.24)	3.90(3.05,4.79)	0.41(0.32,0.50)	-0.37(-0.42,-0.33)
Italy	3.56(2.79,4.38)	2.97(2.31,3.66)	3.42(2.67,4.24)	3.88(3.06,4.77)	-0.63(-1.17,-0.08)
Jamaica	3.78(2.94,4.66)	0.06(0.05,0.08)	3.56(2.78,4.42)	0.11(0.08,0.13)	-0.20(-0.21,-0.18)
Japan	3.42(2.74,4.12)	5.77(4.55,7.04)	2.82(2.24,3.46)	8.17(6.37,10.05)	-0.60(-1.33,0.13)
Jordan	4.42(3.51,5.37)	0.08(0.06,0.10)	4.20(3.32,5.18)	0.35(0.28,0.45)	-0.27(-0.30,-0.24)
Kazakhstan	5.59(4.60,6.61)	0.78(0.63,0.94)	5.30(4.30,6.33)	1.01(0.79,1.24)	-0.16(-0.41,0.09)
Kenya	1.08(0.84,1.37)	0.11(0.09,0.14)	1.07(0.83,1.36)	0.30(0.23,0.39)	-0.24(-0.34,-0.15)
Kiribati	4.38(3.48,5.30)	0.00(0.00,0.00)	4.41(3.50,5.35)	0.00(0.00,0.00)	0.03(0.02,0.05)
Kuwait	3.94(3.09,4.83)	0.04(0.03,0.05)	3.74(2.95,4.64)	0.14(0.11,0.18)	-0.22(-0.25,-0.19)
Kyrgyzstan	5.29(4.29,6.28)	0.17(0.14,0.21)	5.25(4.29,6.26)	0.28(0.22,0.35)	-0.11(-0.21,-0.01)
Laos	2.34(1.81,2.97)	0.05(0.04,0.07)	1.97(1.52,2.49)	0.09(0.07,0.12)	-0.63(-1.24,-0.02)
Latvia	3.09(2.41,3.87)	0.11(0.08,0.14)	2.95(2.30,3.71)	0.10(0.08,0.13)	-0.77(-1.32,-0.21)
Lebanon	4.38(3.48,5.32)	0.11(0.09,0.14)	4.12(3.25,5.12)	0.22(0.17,0.27)	-0.27(-0.28,-0.25)
Lesotho	2.95(2.33,3.64)	0.04(0.03,0.05)	2.73(2.16,3.38)	0.05(0.04,0.06)	-0.26(-0.27,-0.24)
Liberia	1.90(1.47,2.42)	0.02(0.02,0.03)	1.87(1.45,2.39)	0.05(0.04,0.06)	-0.26(-0.37,-0.15)
Libya	4.02(3.16,4.95)	0.09(0.07,0.11)	4.08(3.23,5.03)	0.25(0.20,0.31)	-0.05(-0.10,0.01)
Lithuania	3.15(2.45,3.91)	0.14(0.11,0.18)	2.90(2.25,3.67)	0.14(0.11,0.18)	-0.79(-1.22,-0.35)
Luxembourg	4.30(3.40,5.25)	0.02(0.02,0.03)	3.79(2.93,4.69)	0.03(0.03,0.04)	-0.84(-1.43,-0.25)
Madagascar	1.13(0.86,1.43)	0.07(0.05,0.09)	1.12(0.86,1.44)	0.16(0.12,0.21)	-0.01(-0.04,0.01)
Malawi	1.36(1.05,1.72)	0.07(0.05,0.09)	1.29(0.99,1.64)	0.12(0.09,0.16)	-0.23(-0.57,0.11)
Malaysia	4.16(3.30,5.10)	0.44(0.35,0.55)	3.68(2.91,4.55)	1.07(0.83,1.34)	-0.77(-1.44,-0.09)
Maldives	3.00(2.32,3.77)	0.00(0.00,0.00)	2.62(2.02,3.28)	0.01(0.01,0.01)	-0.48(-0.52,-0.44)
Mali	1.56(1.21,2.01)	0.07(0.06,0.09)	1.43(1.10,1.82)	0.14(0.11,0.19)	-0.39(-0.83,0.05)
Malta	3.44(2.65,4.32)	0.01(0.01,0.02)	2.94(2.25,3.72)	0.02(0.02,0.03)	-0.67(-0.82,-0.53)
Marshall Islands	4.28(3.40,5.18)	0.00(0.00,0.00)	4.13(3.23,5.06)	0.00(0.00,0.00)	-0.09(-0.11,-0.08)
Mauritania	2.30(1.79,2.91)	0.03(0.02,0.03)	2.17(1.69,2.75)	0.05(0.04,0.07)	-0.27(-0.43,-0.11)
Mauritius	4.27(3.39,5.23)	0.04(0.03,0.04)	3.83(3.02,4.68)	0.07(0.05,0.09)	-0.34(-0.76,0.09)
Mexico	4.34(3.47,5.31)	2.17(1.74,2.68)	4.14(3.31,5.09)	5.14(4.06,6.42)	-0.57(-0.83,-0.31)
Micronesia	4.33(3.42,5.23)	0.00(0.00,0.00)	4.17(3.28,5.13)	0.00(0.00,0.00)	-0.13(-0.13,-0.13)
Monaco	3.33(2.58,4.15)	0.00(0.00,0.00)	2.97(2.28,3.75)	0.00(0.00,0.00)	-0.38(-0.39,-0.37)
Mongolia	5.30(4.28,6.32)	0.06(0.05,0.08)	4.94(3.98,5.97)	0.14(0.11,0.18)	-0.33(-0.42,-0.24)
Montenegro	4.49(3.57,5.50)	0.03(0.02,0.04)	4.24(3.36,5.20)	0.04(0.03,0.05)	-0.30(-0.36,-0.24)
Morocco	4.96(3.98,6.00)	0.81(0.65,1.00)	4.59(3.69,5.57)	1.62(1.28,2.01)	-0.30(-0.35,-0.24)
Mozambique	1.26(0.98,1.61)	0.09(0.07,0.12)	1.15(0.89,1.47)	0.16(0.13,0.21)	-0.36(-0.38,-0.35)
Myanmar	2.33(1.79,2.96)	0.57(0.44,0.74)	1.90(1.47,2.42)	0.91(0.70,1.17)	-0.82(-1.59,-0.05)
Namibia	3.38(2.67,4.14)	0.04(0.03,0.04)	3.13(2.48,3.86)	0.06(0.05,0.08)	-0.28(-0.35,-0.21)
Nauru	3.87(3.03,4.74)	0.00(0.00,0.00)	3.90(3.05,4.81)	0.00(0.00,0.00)	0.03(-0.08,0.15)
Nepal	1.27(1.00,1.61)	0.11(0.09,0.14)	1.07(0.82,1.35)	0.23(0.17,0.29)	-0.60(-0.77,-0.44)
Netherlands	5.08(4.11,6.05)	0.94(0.76,1.10)	4.58(3.64,5.54)	1.33(1.05,1.58)	-0.69(-1.10,-0.29)
New Zealand	5.73(4.65,6.92)	0.21(0.17,0.25)	4.65(3.66,5.76)	0.31(0.24,0.38)	-0.70(-1.01,-0.39)
Nicaragua	3.96(3.14,4.86)	0.07(0.06,0.09)	3.75(2.95,4.62)	0.19(0.15,0.24)	-0.23(-0.24,-0.21)
Niger	1.90(1.48,2.43)	0.07(0.05,0.08)	1.84(1.44,2.36)	0.18(0.14,0.23)	-0.17(-0.23,-0.11)
Nigeria	1.34(1.04,1.71)	0.65(0.50,0.83)	1.24(0.95,1.57)	1.26(0.97,1.63)	-0.85(-1.71,0.03)
Niue	4.05(3.17,4.94)	0.00(0.00,0.00)	3.87(3.01,4.72)	0.00(0.00,0.00)	-0.18(-0.19,-0.16)
North Macedonia	4.75(3.78,5.74)	0.10(0.07,0.12)	4.39(3.48,5.36)	0.14(0.11,0.17)	-0.37(-0.42,-0.31)
Northern Mariana Islands	3.66(2.84,4.48)	0.00(0.00,0.00)	3.66(2.85,4.49)	0.00(0.00,0.00)	0.03(0.01,0.06)
Norway	3.66(2.87,4.51)	0.22(0.17,0.26)	3.44(2.69,4.25)	0.29(0.22,0.36)	-0.51(-1.92,0.92)
Oman	3.99(3.15,4.91)	0.04(0.03,0.05)	3.78(2.98,4.67)	0.12(0.09,0.15)	-0.23(-0.25,-0.21)

Pakistan	2.34(1.86,2.91)	1.39(1.10,1.73)	2.24(1.77,2.80)	2.61(2.05,3.27)	-0.12(-0.74,0.51)
Palau	3.97(3.11,4.90)	0.00(0.00,0.00)	3.82(2.99,4.67)	0.00(0.00,0.00)	-0.12(-0.13,-0.10)
Palestine	4.61(3.71,5.58)	0.05(0.04,0.06)	4.33(3.42,5.30)	0.13(0.10,0.17)	-0.22(-0.24,-0.21)
Panama	3.73(2.94,4.64)	0.06(0.05,0.08)	3.33(2.63,4.21)	0.14(0.11,0.18)	-0.39(-0.41,-0.37)
Papua New Guinea	4.33(3.44,5.28)	0.09(0.07,0.11)	4.19(3.29,5.13)	0.22(0.17,0.28)	-0.09(-0.12,-0.07)
Paraguay	4.88(3.95,5.79)	0.12(0.09,0.14)	4.41(3.51,5.32)	0.26(0.21,0.32)	-0.07(-0.69,0.56)
Peru	6.39(5.42,7.33)	0.88(0.75,1.03)	6.00(4.95,7.06)	1.99(1.63,2.36)	-0.15(-0.21,-0.08)
Philippines	4.43(3.57,5.36)	1.54(1.23,1.91)	4.22(3.37,5.11)	3.67(2.91,4.58)	-0.17(-0.23,-0.11)
Poland	5.18(4.19,6.19)	2.25(1.80,2.69)	3.69(2.95,4.51)	2.29(1.79,2.81)	-1.07(-1.53,-0.61)
Portugal	3.92(3.09,4.84)	0.53(0.41,0.65)	3.52(2.75,4.39)	0.68(0.53,0.84)	-0.45(-0.59,-0.32)
Puerto Rico	3.41(2.64,4.25)	0.12(0.09,0.15)	3.13(2.41,3.91)	0.19(0.15,0.24)	-0.65(-1.05,-0.24)
Qatar	3.73(2.93,4.60)	0.01(0.01,0.01)	3.55(2.83,4.40)	0.07(0.06,0.10)	-0.25(-0.28,-0.22)
South Korea	2.42(1.86,2.97)	0.76(0.59,0.94)	2.03(1.59,2.52)	1.76(1.36,2.24)	-0.72(-1.85,0.43)
Moldova	3.63(2.84,4.50)	0.17(0.13,0.21)	3.66(2.87,4.51)	0.20(0.16,0.26)	-0.02(-0.10,0.07)
Romania	4.12(3.25,5.02)	1.17(0.91,1.45)	3.64(2.84,4.52)	1.19(0.92,1.48)	-0.79(-1.12,-0.47)
Russia	4.52(3.65,5.44)	8.22(6.43,10.03)	4.46(3.58,5.37)	9.89(7.67,12.02)	-0.08(-0.14,-0.02)
Rwanda	1.18(0.91,1.50)	0.04(0.03,0.05)	1.12(0.86,1.43)	0.08(0.06,0.11)	-0.23(-0.29,-0.17)
Saint Kitts and Nevis	3.62(2.80,4.52)	0.00(0.00,0.00)	3.23(2.49,4.02)	0.00(0.00,0.00)	-0.39(-0.42,-0.37)
Saint Lucia	3.75(2.91,4.64)	0.00(0.00,0.00)	3.45(2.67,4.29)	0.01(0.01,0.01)	-0.29(-0.31,-0.28)
Saint Vincent and the Grenadines	3.80(2.94,4.69)	0.00(0.00,0.00)	3.42(2.64,4.26)	0.00(0.00,0.01)	-0.40(-0.43,-0.37)
Samoa	4.33(3.44,5.24)	0.00(0.00,0.01)	4.18(3.32,5.06)	0.01(0.01,0.01)	-0.14(-0.15,-0.13)
San Marino	3.67(2.85,4.54)	0.00(0.00,0.00)	3.36(2.60,4.19)	0.00(0.00,0.00)	-0.34(-0.40,-0.28)
Sao Tome and Principe	1.80(1.40,2.29)	0.00(0.00,0.00)	1.69(1.31,2.14)	0.00(0.00,0.00)	-0.29(-0.35,-0.23)
Saudi Arabia	3.88(3.05,4.80)	0.31(0.24,0.39)	3.71(2.92,4.60)	1.03(0.79,1.30)	-0.17(-0.19,-0.16)
Senegal	2.42(1.89,3.08)	0.09(0.07,0.12)	2.29(1.79,2.88)	0.21(0.16,0.26)	-0.27(-0.39,-0.16)
Serbia	4.54(3.60,5.52)	0.54(0.42,0.67)	4.23(3.33,5.17)	0.60(0.46,0.74)	-0.33(-0.38,-0.28)
Seychelles	2.80(2.19,3.52)	0.00(0.00,0.00)	2.52(1.96,3.17)	0.00(0.00,0.00)	-0.32(-0.36,-0.29)
Sierra Leone	1.90(1.48,2.40)	0.04(0.03,0.05)	1.82(1.41,2.32)	0.08(0.06,0.10)	-0.21(-0.29,-0.13)
Singapore	2.27(1.76,2.80)	0.05(0.04,0.07)	2.02(1.56,2.54)	0.16(0.12,0.20)	-0.37(-0.38,-0.36)
Slovakia	4.37(3.47,5.36)	0.26(0.20,0.31)	3.81(2.99,4.76)	0.33(0.25,0.41)	-0.50(-0.68,-0.33)
Slovenia	4.95(3.99,5.98)	0.12(0.10,0.15)	4.47(3.56,5.42)	0.16(0.13,0.19)	-0.81(-1.22,-0.40)
Solomon Islands	4.47(3.55,5.39)	0.01(0.01,0.01)	4.33(3.41,5.24)	0.01(0.01,0.02)	-0.07(-0.09,-0.06)
Somalia	1.30(1.01,1.65)	0.04(0.03,0.06)	1.34(1.04,1.68)	0.12(0.10,0.16)	0.09(0.06,0.12)
South Africa	3.48(2.78,4.24)	1.03(0.81,1.28)	2.98(2.35,3.63)	1.54(1.20,1.92)	-0.64(-0.95,-0.33)
South Sudan	0.96(0.73,1.24)	0.03(0.02,0.04)	0.97(0.75,1.24)	0.05(0.04,0.06)	0.01(-0.01,0.02)
Spain	3.90(3.28,4.40)	2.07(1.74,2.36)	2.64(2.04,3.33)	2.12(1.63,2.65)	-1.66(-2.51,-0.80)
Sri Lanka	2.80(2.18,3.50)	0.33(0.25,0.42)	2.42(1.87,3.07)	0.63(0.48,0.81)	-1.43(-2.45,-0.40)
Sudan	4.60(3.67,5.61)	0.51(0.41,0.62)	4.31(3.42,5.30)	1.02(0.81,1.26)	-0.28(-0.31,-0.26)
Suriname	3.69(2.88,4.62)	0.01(0.01,0.01)	3.46(2.69,4.30)	0.02(0.02,0.03)	-0.29(-0.32,-0.27)
Sweden	3.12(2.49,3.87)	0.41(0.32,0.50)	3.25(2.53,4.07)	0.56(0.43,0.70)	-0.49(-1.37,0.39)
Switzerland	3.24(2.92,3.61)	0.30(0.27,0.34)	2.72(2.10,3.45)	0.41(0.31,0.51)	-0.94(-1.28,-0.60)
Syria	4.57(3.65,5.55)	0.29(0.23,0.37)	4.37(3.48,5.34)	0.60(0.47,0.77)	-0.24(-0.28,-0.20)
Taiwan (Province of China)	2.11(1.63,2.66)	0.34(0.25,0.44)	2.14(1.66,2.70)	0.84(0.64,1.06)	0.11(0.08,0.13)
Tajikistan	5.39(4.42,6.41)	0.17(0.14,0.21)	5.29(4.27,6.33)	0.35(0.28,0.44)	-0.17(-0.29,-0.04)
Thailand	3.04(2.38,3.80)	1.19(0.93,1.52)	2.64(2.05,3.35)	2.71(2.07,3.50)	-0.48(-0.50,-0.46)
Timor-Leste	3.18(2.47,3.93)	0.01(0.01,0.01)	2.83(2.22,3.56)	0.02(0.02,0.03)	-0.46(-0.51,-0.41)
Togo	1.87(1.45,2.35)	0.03(0.02,0.04)	1.81(1.40,2.30)	0.08(0.06,0.10)	-0.16(-0.21,-0.10)
Tokelau	4.26(3.37,5.18)	0.00(0.00,0.00)	4.01(3.14,4.94)	0.00(0.00,0.00)	-0.23(-0.24,-0.21)
Tonga	4.31(3.40,5.23)	0.00(0.00,0.00)	4.09(3.23,4.95)	0.00(0.00,0.00)	-0.16(-0.17,-0.15)

Trinidad and Tobago	3.64(2.82,4.56)	0.03(0.02,0.04)	3.24(2.50,4.09)	0.06(0.05,0.08)	-0.51(-0.55,-0.47)
Tunisia	4.39(3.52,5.36)	0.25(0.20,0.31)	4.04(3.20,4.96)	0.53(0.42,0.66)	-0.34(-0.57,-0.12)
Turkey	5.25(4.21,6.29)	2.23(1.79,2.73)	4.78(3.82,5.80)	4.43(3.52,5.44)	-0.19(-0.43,0.05)
Turkmenistan	5.16(4.14,6.15)	0.12(0.09,0.14)	4.79(3.84,5.77)	0.21(0.17,0.27)	-0.37(-0.50,-0.24)
Tuvalu	4.38(3.46,5.28)	0.00(0.00,0.00)	4.14(3.22,5.08)	0.00(0.00,0.00)	-0.16(-0.17,-0.15)
Uganda	1.18(0.91,1.51)	0.10(0.07,0.12)	1.10(0.84,1.40)	0.21(0.16,0.27)	-0.28(-0.29,-0.26)
Ukraine	4.33(3.46,5.25)	3.02(2.37,3.68)	4.32(3.46,5.23)	3.04(2.37,3.68)	0.02(-0.07,0.11)
United Arab Emirates	3.72(2.91,4.59)	0.03(0.03,0.04)	3.79(2.99,4.67)	0.31(0.22,0.40)	-0.01(-0.45,0.44)
UK	4.07(3.21,4.99)	3.29(2.59,3.98)	3.67(2.87,4.53)	3.92(3.06,4.83)	-0.63(-1.12,-0.14)
Tanzania	1.15(0.88,1.45)	0.15(0.12,0.19)	1.09(0.83,1.38)	0.33(0.25,0.43)	-0.22(-0.25,-0.18)
USA	3.86(2.94,4.89)	11.27(8.67,14.10)	3.03(2.36,3.81)	14.29(10.96,18.16)	-1.26(-1.67,-0.84)
Virgin Islands US	2.80(2.15,3.55)	0.00(0.00,0.00)	2.51(1.96,3.21)	0.00(0.00,0.01)	-0.92(-1.70,-0.13)
Uruguay	3.94(3.11,4.81)	0.15(0.12,0.18)	3.44(2.67,4.30)	0.16(0.13,0.20)	-0.43(-0.58,-0.28)
Uzbekistan	5.27(4.31,6.28)	0.68(0.55,0.83)	5.03(4.04,6.02)	1.35(1.05,1.72)	-0.25(-0.35,-0.14)
Vanuatu	4.35(3.46,5.25)	0.00(0.00,0.00)	4.21(3.33,5.10)	0.01(0.01,0.01)	-0.11(-0.12,-0.10)
Venezuela	3.71(2.92,4.65)	0.42(0.33,0.53)	3.52(2.77,4.39)	1.08(0.84,1.35)	-0.26(-0.28,-0.23)
Vietnam	2.75(2.13,3.44)	1.17(0.90,1.47)	2.32(1.81,2.92)	2.25(1.73,2.90)	-0.50(-1.09,0.11)
Yemen	4.61(3.72,5.59)	0.29(0.23,0.35)	4.53(3.61,5.54)	0.79(0.63,0.98)	-0.16(-0.20,-0.11)
Zambia	1.15(0.88,1.47)	0.04(0.03,0.05)	1.08(0.82,1.37)	0.1(0.07,0.13)	-0.31(-0.66,0.05)
Zimbabwe	2.44(1.92,3.03)	0.15(0.12,0.19)	2.43(1.90,3.00)	0.25(0.19,0.31)	0.03(-0.21,0.27)

ASIR, age-standardized incidence rate; No., number; UI, uncertainty interval; EAPC, estimated annual percentage change; CI, confidential interval.

Supplementary table 2. Prevalence and age-standardized prevalence rate per 1000 people for edentulism in 1990 and 2019, and its estimated annual percentage change in 204 countries and territories from 1990 to 2019.

	1990		2019		EAPC (95%CI)
	ASPR/1000 (95%UI)	Prevalence*10 ⁵ (95%UI)	ASPR/1000 (95%UI)	Prevalence*10 ⁵ (95%UI)	From 1990 to 2019
Afghanistan	74.37(59.52,94.51)	5.28(4.19,6.80)	73.43(58.38,93.12)	10.67(8.35,13.70)	-0.15(-0.24,-0.05)
Albania	72.11(57.43,91.89)	1.54(1.22,1.97)	63.63(50.17,81.04)	2.66(2.08,3.42)	-0.56(-0.62,-0.51)
Algeria	68.33(54.54,86.79)	8.86(7.03,11.32)	65.22(51.78,83.08)	23.10(18.25,29.69)	-0.24(-0.27,-0.21)
American Samoa	50.61(39.83,64.24)	0.01(0.01,0.01)	50.56(39.40,64.16)	0.02(0.02,0.03)	-0.01(-0.03,0.00)
Andorra	50.10(39.50,64.35)	0.03(0.02,0.04)	47.22(37.10,60.93)	0.06(0.05,0.08)	-0.24(-0.27,-0.20)
Angola	37.27(29.33,48.08)	2.01(1.52,2.65)	33.38(26.25,43.00)	5.25(3.97,6.96)	-0.55(-0.63,-0.47)
Antigua and Barbuda	50.17(39.17,64.42)	0.03(0.02,0.03)	45.16(34.79,58.29)	0.05(0.03,0.06)	-0.37(-0.39,-0.35)
Argentina	52.60(41.14,66.79)	16.93(13.17,21.61)	45.53(35.43,58.69)	24.49(19.04,31.47)	-0.48(-0.52,-0.44)
Armenia	88.58(71.10,110.90)	2.43(1.93,3.08)	82.12(65.49,103.33)	3.35(2.67,4.24)	-0.45(-0.59,-0.31)
Australia	103.67(100.46,106.28)	19.89(19.29,20.39)	64.03(50.75,81.81)	25.05(19.71,31.79)	-0.68(-1.35,0.00)
Austria	67.24(53.64,85.78)	7.72(6.10,9.77)	59.69(47.20,75.83)	9.90(7.78,12.52)	-0.72(-1.14,-0.30)
Azerbaijan	83.90(68.08,104.88)	4.27(3.43,5.43)	78.14(62.71,98.77)	7.46(5.87,9.61)	-0.46(-0.65,-0.28)
Bahamas	46.74(36.28,60.49)	0.07(0.06,0.09)	44.20(34.21,57.15)	0.17(0.13,0.22)	-0.23(-0.25,-0.20)
Bahrain	60.85(47.72,76.90)	0.14(0.11,0.18)	57.94(45.74,74.54)	0.74(0.57,0.98)	-0.21(-0.23,-0.18)
Bangladesh	11.74(9.04,15.12)	5.20(3.95,6.75)	9.95(7.48,12.66)	12.41(9.25,16.08)	-0.58(-0.60,-0.56)
Barbados	50.26(38.87,64.38)	0.15(0.11,0.18)	46.85(36.61,60.82)	0.23(0.18,0.30)	-0.28(-0.31,-0.26)
Belarus	57.18(45.24,73.99)	7.25(5.74,9.46)	53.36(42.28,67.86)	8.14(6.42,10.39)	-0.33(-0.39,-0.27)
Belgium	68.32(54.08,87.23)	10.20(8.06,12.92)	60.61(47.82,76.78)	12.74(10.05,16.04)	-0.53(-0.78,-0.27)
Belize	53.75(41.65,68.76)	0.05(0.04,0.06)	48.88(38.25,63.55)	0.13(0.10,0.17)	-0.34(-0.37,-0.31)
Benin	29.52(23.11,37.50)	0.66(0.51,0.85)	27.63(21.60,35.54)	1.59(1.22,2.08)	-0.30(-0.34,-0.26)
Bermuda	46.55(36.19,60.46)	0.03(0.02,0.04)	42.55(32.94,54.99)	0.05(0.04,0.07)	-0.37(-0.40,-0.34)
Bhutan	18.63(14.43,23.55)	0.04(0.03,0.06)	15.52(11.95,19.78)	0.08(0.06,0.11)	-0.65(-0.66,-0.64)
Bolivia	105.41(85.72,128.71)	3.54(2.87,4.39)	96.08(77.42,120.52)	8.74(7.01,11.01)	-0.33(-0.35,-0.31)
Bosnia and Herzegovina	78.85(63.15,99.92)	3.23(2.57,4.17)	67.78(53.47,85.98)	3.90(3.03,4.98)	-1.05(-1.62,-0.48)
Botswana	61.82(48.75,77.97)	0.47(0.36,0.61)	55.42(43.52,70.10)	1.06(0.80,1.38)	-0.38(-0.38,-0.37)
Brazil	95.18(77.43,116.12)	85.71(69.28,106.08)	91.94(74.43,113.32)	218.80(176.14,270.89)	-0.10(-0.48,0.29)
Brunei	27.69(21.57,34.50)	0.03(0.02,0.04)	27.41(21.20,33.98)	0.08(0.06,0.11)	-0.09(-0.12,-0.06)
Bulgaria	62.02(49.04,79.43)	7.54(5.88,9.78)	54.92(43.22,71.25)	7.62(5.88,9.92)	-0.73(-0.99,-0.47)
Burkina Faso	19.90(15.46,25.57)	0.91(0.70,1.19)	18.26(14.18,23.37)	1.87(1.43,2.45)	-0.22(-0.50,0.06)
Burundi	18.88(14.79,24.18)	0.51(0.39,0.66)	19.19(14.75,25.05)	1.07(0.79,1.44)	0.05(0.01,0.08)
Cape Verde	28.71(22.60,36.71)	0.07(0.05,0.08)	25.20(19.79,32.37)	0.12(0.09,0.15)	-0.56(-0.60,-0.52)
Cambodia	49.32(38.80,63.18)	2.23(1.74,2.89)	42.47(33.47,54.30)	5.04(3.94,6.50)	-0.53(-0.59,-0.47)
Cameroon	27.31(21.31,34.87)	1.35(1.05,1.77)	26.39(20.78,33.70)	3.73(2.83,4.87)	-0.20(-0.26,-0.14)
Canada	43.86(34.64,56.03)	14.04(11.11,17.88)	35.34(27.56,45.55)	21.77(16.98,27.76)	-0.53(-0.81,-0.24)
Central African Republic	40.30(31.58,51.34)	0.61(0.47,0.81)	40.83(31.57,51.73)	1.24(0.93,1.61)	-0.01(-0.03,0.01)
Chad	39.46(31.15,50.49)	1.21(0.95,1.56)	36.02(28.54,46.04)	2.42(1.88,3.18)	-0.39(-0.65,-0.13)
Chile	47.93(36.97,62.03)	4.73(3.64,6.12)	40.21(31.21,51.71)	9.68(7.49,12.46)	-0.57(-0.64,-0.51)
China	35.20(27.37,44.63)	275.09(212.43,357.72)	33.27(25.89,42.27)	641.88(495.73,829.32)	0.22(-0.45,0.90)
Colombia	48.07(37.96,61.56)	8.86(6.92,11.38)	43.19(33.83,55.19)	22.82(17.89,29.14)	-0.41(-0.44,-0.38)
Comoros	22.43(17.60,28.83)	0.05(0.04,0.07)	22.42(17.45,28.84)	0.12(0.09,0.16)	-0.01(-0.12,0.11)
Congo	35.10(27.44,44.79)	0.47(0.36,0.61)	33.89(26.49,43.60)	1.20(0.91,1.57)	-0.20(-0.27,-0.13)
Cook Islands	52.63(41.34,66.86)	0.01(0.01,0.01)	48.75(37.96,62.60)	0.01(0.01,0.02)	-0.24(-0.25,-0.22)
Costa Rica	58.59(46.69,74.67)	1.07(0.85,1.37)	53.58(42.04,68.61)	2.77(2.18,3.55)	-0.34(-0.35,-0.33)

Croatia	65.14(51.13,83.32)	4.11(3.18,5.30)	57.74(45.63,74.19)	4.77(3.73,6.16)	-1.08(-1.65,-0.50)
Cuba	56.86(44.34,73.70)	5.84(4.55,7.54)	52.28(46.42,59.08)	9.76(8.69,11.00)	-0.37(-0.44,-0.30)
Cyprus	56.34(44.17,71.60)	0.47(0.37,0.60)	51.85(40.56,66.33)	0.99(0.77,1.27)	-0.31(-0.33,-0.28)
Czech	66.84(52.78,85.44)	9.03(7.09,11.58)	58.47(45.71,75.44)	11.64(9.03,15.01)	-0.60(-0.88,-0.32)
Cote d'Ivoire	38.51(30.55,48.96)	1.97(1.50,2.61)	37.34(29.27,47.65)	4.97(3.81,6.53)	-0.13(-0.25,-0.01)
North Korea	29.56(22.90,37.10)	4.15(3.23,5.34)	33.11(25.93,41.38)	10.19(7.96,12.85)	0.40(0.36,0.43)
DR Congo	38.94(30.44,49.65)	7.90(6.00,10.28)	39.76(30.80,50.73)	19.77(14.96,26.06)	0.05(-0.07,0.16)
Denmark	51.75(40.31,67.01)	4.07(3.16,5.24)	44.04(34.19,56.41)	4.78(3.70,6.09)	-1.21(-2.13,-0.27)
Djibouti	16.53(12.83,21.26)	0.03(0.02,0.04)	16.59(12.75,21.41)	0.12(0.09,0.17)	-0.01(-0.06,0.04)
Dominica	53.94(41.93,68.63)	0.04(0.03,0.05)	47.67(37.10,61.22)	0.04(0.03,0.05)	-0.47(-0.50,-0.45)
Dominican Republic	65.28(51.27,83.05)	2.44(1.93,3.13)	58.31(45.74,74.18)	5.39(4.23,6.90)	-0.40(-0.53,-0.28)
Ecuador	92.78(74.85,115.48)	5.13(4.16,6.45)	85.08(68.07,106.12)	13.03(10.43,16.27)	-0.49(-0.81,-0.18)
Egypt	71.04(56.05,89.30)	22.07(17.41,28.19)	65.79(52.42,84.07)	44.55(35.27,57.78)	-0.30(-0.31,-0.28)
El Salvador	61.40(48.81,77.62)	1.87(1.48,2.38)	56.91(44.83,72.68)	3.37(2.66,4.29)	-0.27(-0.27,-0.26)
Equatorial Guinea	39.35(30.73,50.44)	0.09(0.07,0.12)	27.93(21.84,35.94)	0.21(0.16,0.28)	-1.55(-1.75,-1.35)
Eritrea	19.03(14.78,24.74)	0.23(0.17,0.32)	17.89(13.79,23.34)	0.60(0.44,0.81)	-0.15(-0.21,-0.09)
Estonia	56.67(45.24,72.79)	1.13(0.90,1.45)	51.87(40.66,66.37)	1.27(0.99,1.62)	-0.77(-1.15,-0.38)
Eswatini	56.47(44.50,72.47)	0.24(0.18,0.31)	51.84(40.89,66.30)	0.41(0.32,0.55)	-0.28(-0.31,-0.26)
Ethiopia	19.48(15.08,25.22)	4.35(3.26,5.84)	18.10(13.92,23.37)	8.88(6.67,11.83)	-0.29(-0.53,-0.06)
Fiji	57.26(45.60,73.16)	0.20(0.16,0.26)	53.45(41.88,68.42)	0.38(0.29,0.49)	-0.22(-0.23,-0.21)
Finland	73.93(61.77,90.06)	5.23(4.38,6.33)	53.58(42.06,69.14)	6.07(4.74,7.77)	-1.60(-2.23,-0.98)
France	56.49(44.38,71.93)	45.68(35.80,58.03)	50.38(39.55,64.73)	63.32(49.33,80.45)	-0.34(-1.14,0.47)
Gabon	31.00(24.19,39.89)	0.19(0.15,0.25)	30.08(23.54,38.50)	0.39(0.30,0.50)	-0.11(-0.14,-0.09)
Gambia	29.24(22.96,37.43)	0.12(0.09,0.16)	28.43(22.47,36.32)	0.32(0.25,0.41)	-0.16(-0.20,-0.11)
Georgia	71.99(57.62,92.27)	4.36(3.46,5.66)	70.59(55.99,89.42)	4.09(3.23,5.17)	-0.27(-0.45,-0.09)
Germany	53.02(41.53,68.22)	65.55(50.86,84.18)	45.81(35.62,59.30)	81.05(62.57,104.25)	-1.01(-1.68,-0.33)
Ghana	26.32(20.59,33.87)	1.86(1.43,2.45)	23.80(18.34,30.43)	4.34(3.33,5.66)	-0.25(-0.41,-0.09)
Greece	57.77(45.55,73.08)	8.62(6.75,10.93)	52.89(41.57,67.43)	11.43(8.85,14.35)	-0.68(-1.20,-0.15)
Greenland	44.28(35.06,57.14)	0.02(0.01,0.02)	38.21(30.21,49.32)	0.03(0.02,0.03)	-0.53(-0.55,-0.51)
Grenada	53.82(41.82,69.09)	0.04(0.03,0.05)	47.23(36.64,61.41)	0.05(0.04,0.07)	-0.48(-0.49,-0.47)
Guam	47.28(36.85,60.13)	0.03(0.03,0.05)	45.96(35.57,58.58)	0.09(0.07,0.11)	-0.40(-0.69,-0.10)
Guatemala	70.38(56.52,89.00)	2.74(2.19,3.49)	66.64(53.35,84.33)	7.75(6.19,9.78)	-0.21(-0.22,-0.20)
Guinea	28.93(22.70,36.99)	1.01(0.79,1.32)	27.78(21.76,35.77)	1.74(1.34,2.28)	-0.17(-0.21,-0.12)
Guinea-Bissau	29.93(23.55,38.38)	0.14(0.11,0.18)	28.59(22.51,36.75)	0.25(0.19,0.33)	-0.16(-0.20,-0.13)
Guyana	55.70(43.46,71.04)	0.21(0.16,0.27)	49.91(38.94,64.26)	0.31(0.24,0.40)	-0.40(-0.41,-0.39)
Haiti	57.45(44.65,73.44)	1.83(1.42,2.38)	55.57(43.33,72.11)	3.86(3.03,5.02)	-0.14(-0.15,-0.13)
Honduras	62.75(49.97,80.49)	1.36(1.08,1.74)	59.09(46.77,76.45)	3.76(2.99,4.83)	-0.24(-0.25,-0.23)
Hungary	68.41(53.77,87.20)	9.86(7.67,12.62)	60.06(47.36,77.59)	11.02(8.60,14.12)	-0.35(-0.67,-0.04)
Iceland	55.70(43.99,70.91)	0.16(0.12,0.20)	48.90(37.52,62.71)	0.26(0.20,0.33)	-0.51(-0.54,-0.48)
India	34.69(26.32,44.69)	149.88(109.85,202.85)	31.42(24.01,40.08)	349.06(262.03,452.25)	1.91(0.97,2.86)
Indonesia	50.55(40.06,64.40)	49.32(38.74,64.00)	45.29(35.81,57.78)	96.50(75.42,125.74)	-0.33(-0.37,-0.28)
Iran	55.43(44.02,70.80)	15.18(11.96,19.78)	52.57(41.57,67.53)	40.17(31.85,51.62)	-0.77(-1.34,-0.20)
Iraq	68.02(54.09,87.36)	5.62(4.47,7.27)	64.57(50.97,82.79)	16.29(12.90,21.05)	-0.32(-0.38,-0.26)
Ireland	77.63(63.78,94.36)	3.12(2.54,3.79)	63.74(50.08,81.26)	4.58(3.60,5.84)	-0.60(-0.94,-0.25)
Israel	65.92(51.81,83.45)	3.19(2.51,4.03)	58.32(46.26,74.02)	6.54(5.14,8.29)	-0.42(-0.46,-0.37)
Italy	51.01(40.10,65.07)	44.34(34.68,56.62)	48.64(38.07,62.48)	64.01(49.97,80.69)	-0.62(-1.12,-0.11)
Jamaica	53.46(41.36,68.15)	0.95(0.74,1.21)	49.91(38.53,63.81)	1.49(1.15,1.91)	-0.22(-0.23,-0.20)
Japan	45.57(35.87,57.10)	75.76(59.56,95.27)	37.71(29.84,47.34)	123.77(96.29,152.37)	-0.54(-1.34,0.27)
Jordan	70.22(56.10,88.46)	1.05(0.83,1.35)	66.49(52.75,84.49)	4.88(3.83,6.33)	-0.29(-0.33,-0.25)
Kazakhstan	93.03(75.34,115.15)	11.92(9.54,14.96)	86.49(69.74,108.34)	15.07(12.04,19.15)	-0.31(-0.45,-0.17)

Kenya	16.22(12.69,20.89)	1.52(1.16,2.03)	16.17(12.65,20.92)	4.16(3.15,5.62)	-0.40(-0.60,-0.19)
Kiribati	61.01(48.53,77.42)	0.02(0.02,0.03)	61.69(48.94,78.45)	0.04(0.03,0.05)	0.06(0.04,0.08)
Kuwait	60.47(47.63,76.81)	0.48(0.37,0.63)	57.79(45.87,73.84)	1.90(1.47,2.46)	-0.20(-0.23,-0.17)
Kyrgyzstan	85.81(69.19,106.73)	2.65(2.13,3.32)	85.05(68.71,106.46)	4.02(3.20,5.09)	-0.13(-0.26,0.00)
Laos	30.47(23.58,39.46)	0.61(0.47,0.8)	25.19(19.43,32.33)	1.08(0.83,1.40)	-0.69(-1.32,-0.06)
Latvia	45.08(35.20,57.66)	1.57(1.23,2.03)	42.79(33.31,55.18)	1.60(1.24,2.05)	-0.78(-1.32,-0.24)
Lebanon	69.84(55.70,88.55)	1.62(1.30,2.07)	65.43(51.58,83.66)	3.44(2.70,4.39)	-0.28(-0.30,-0.26)
Lesotho	71.61(56.32,91.18)	0.85(0.65,1.10)	65.34(51.62,82.69)	1.08(0.83,1.40)	-0.31(-0.33,-0.29)
Liberia	29.86(23.41,38.27)	0.34(0.27,0.45)	29.72(23.36,38.21)	0.74(0.56,0.97)	-0.24(-0.36,-0.12)
Libya	62.21(49.26,78.98)	1.24(0.98,1.60)	64.18(51.01,81.80)	3.58(2.82,4.58)	0.00(-0.06,0.06)
Lithuania	46.07(36.15,59.08)	2.04(1.61,2.63)	42.10(32.86,54.42)	2.27(1.77,2.92)	-0.81(-1.21,-0.40)
Luxembourg	65.11(51.69,82.37)	0.35(0.28,0.44)	56.07(43.77,72.12)	0.54(0.42,0.69)	-0.87(-1.26,-0.48)
Madagascar	17.86(13.72,23.20)	1.04(0.79,1.38)	18.01(13.90,23.32)	2.41(1.79,3.24)	0.02(-0.01,0.04)
Malawi	22.33(17.47,28.59)	1.01(0.77,1.34)	21.20(16.41,27.49)	1.88(1.41,2.51)	-0.21(-0.22,-0.19)
Malaysia	62.24(49.45,78.97)	5.99(4.73,7.66)	53.98(42.47,68.90)	14.6(11.42,18.75)	-0.84(-1.55,-0.12)
Maldives	40.58(31.52,52.38)	0.04(0.03,0.05)	35.36(27.54,45.02)	0.11(0.09,0.15)	-0.48(-0.51,-0.44)
Mali	23.43(18.20,30.33)	1.02(0.80,1.35)	21.38(16.68,27.44)	2.07(1.60,2.71)	-0.39(-0.68,-0.09)
Malta	49.32(38.46,63.81)	0.21(0.16,0.27)	41.49(32.20,53.67)	0.37(0.28,0.48)	-0.70(-0.82,-0.59)
Marshall Islands	58.86(46.45,74.31)	0.01(0.01,0.01)	56.53(44.69,71.49)	0.02(0.01,0.02)	-0.11(-0.13,-0.10)
Mauritania	37.86(29.89,48.26)	0.42(0.33,0.54)	35.68(28.04,45.87)	0.83(0.65,1.09)	-0.26(-0.47,-0.06)
Mauritius	65.13(52.04,82.66)	0.49(0.39,0.63)	57.12(45.50,73.01)	0.98(0.77,1.27)	-0.39(-0.97,0.20)
Mexico	68.02(54.16,86.79)	30.67(24.50,39.26)	65.06(51.68,83.16)	77.48(61.54,99.53)	-0.55(-0.81,-0.28)
Micronesia	59.58(47.25,75.85)	0.03(0.02,0.03)	57.15(45.23,72.69)	0.04(0.03,0.05)	-0.16(-0.16,-0.15)
Monaco	47.32(36.85,61.30)	0.03(0.02,0.04)	41.74(32.59,54.21)	0.04(0.03,0.05)	-0.42(-0.43,-0.41)
Mongolia	85.67(69.16,106.92)	0.94(0.75,1.18)	78.37(63.18,98.45)	1.90(1.49,2.42)	-0.42(-0.53,-0.30)
Montenegro	67.81(53.13,86.76)	0.42(0.33,0.54)	63.85(50.50,81.46)	0.61(0.48,0.79)	-0.33(-0.40,-0.26)
Morocco	81.86(65.84,104.00)	11.92(9.51,15.30)	74.63(59.45,93.71)	24.21(19.05,30.66)	-0.35(-0.41,-0.30)
Mozambique	20.56(16.03,26.42)	1.39(1.06,1.84)	18.71(14.36,24.16)	2.47(1.85,3.29)	-0.40(-0.42,-0.38)
Myanmar	30.47(23.56,39.59)	6.84(5.27,9.11)	24.36(18.90,31.09)	10.93(8.39,14.10)	-0.92(-1.81,-0.03)
Namibia	87.76(68.76,112.45)	0.80(0.62,1.03)	80.07(62.77,102.10)	1.48(1.14,1.92)	-0.32(-0.74,0.11)
Nauru	51.81(41.04,65.86)	0.00(0.00,0.00)	52.92(41.75,67.82)	0.00(0.00,0.00)	0.11(-0.02,0.24)
Nepal	14.53(11.19,18.56)	1.24(0.94,1.65)	12.02(9.17,15.51)	2.50(1.88,3.28)	-0.64(-0.86,-0.42)
Netherlands	81.14(64.97,101.28)	15.84(12.73,19.64)	71.35(56.45,89.60)	22.55(17.80,28.34)	-0.76(-1.34,-0.18)
New Zealand	98.35(76.29,127.88)	3.77(2.93,4.87)	71.79(55.55,93.05)	5.23(4.05,6.74)	-0.89(-1.26,-0.52)
Nicaragua	62.55(49.66,79.73)	1.02(0.81,1.32)	59.26(47.34,74.99)	2.76(2.19,3.49)	-0.24(-0.26,-0.21)
Niger	29.94(23.73,38.25)	0.97(0.75,1.28)	29.22(23.06,37.28)	2.66(2.06,3.46)	-0.14(-0.19,-0.08)
Nigeria	18.83(14.57,24.03)	8.60(6.62,11.23)	17.12(13.27,21.97)	16.41(12.48,21.77)	-0.66(-1.56,0.24)
Niue	54.82(43.24,69.83)	0.00(0.00,0.00)	51.91(40.65,66.08)	0.00(0.00,0.00)	-0.21(-0.24,-0.19)
North Macedonia	72.76(57.79,92.49)	1.36(1.06,1.74)	66.75(53.04,85.72)	2.10(1.64,2.73)	-0.39(-0.44,-0.33)
Northern Mariana Islands	47.56(36.97,60.66)	0.01(0.01,0.01)	48.22(37.53,61.69)	0.02(0.02,0.03)	0.08(0.05,0.11)
Norway	52.86(41.35,67.39)	3.47(2.71,4.39)	49.24(38.58,63.10)	4.48(3.49,5.73)	-0.24(-1.76,1.30)
Oman	61.27(48.47,77.89)	0.49(0.38,0.64)	57.79(45.57,73.00)	1.42(1.10,1.86)	-0.25(-0.28,-0.23)
Pakistan	29.55(23.35,37.14)	16.50(12.83,20.85)	28.45(22.52,35.54)	30.87(24.01,39.23)	-0.08(-0.86,0.71)
Palau	53.42(41.72,68.36)	0.01(0.00,0.01)	51.06(40.04,64.98)	0.01(0.01,0.01)	-0.15(-0.16,-0.13)
Palestine	74.79(59.44,94.16)	0.69(0.55,0.87)	68.98(54.41,87.55)	1.83(1.43,2.33)	-0.29(-0.31,-0.26)
Panama	58.10(46.23,74.02)	0.90(0.71,1.15)	51.54(40.65,67.05)	2.14(1.69,2.78)	-0.42(-0.44,-0.40)
Papua New Guinea	59.88(47.54,75.49)	1.06(0.83,1.36)	57.38(45.42,72.90)	2.58(2.02,3.36)	-0.12(-0.15,-0.10)
Paraguay	71.79(56.58,89.73)	1.59(1.26,1.99)	64.02(50.19,80.47)	3.55(2.78,4.49)	-0.11(-0.72,0.50)
Peru	108.21(89.00,130.98)	13.51(10.98,16.44)	99.73(81.09,123.84)	32.20(26.20,40.13)	-0.19(-0.27,-0.10)

Philippines	65.78(52.82,82.80)	20.22(16.08,25.79)	62.90(50.35,79.40)	49.28(39.07,63.04)	-0.14(-0.18,-0.11)
Poland	81.15(64.95,102.62)	35.16(27.93,44.72)	55.32(43.71,70.31)	36.49(28.80,46.36)	-1.29(-1.88,-0.70)
Portugal	58.00(45.84,73.71)	7.98(6.25,10.17)	51.32(40.41,65.98)	11.40(8.87,14.52)	-0.49(-0.60,-0.38)
Puerto Rico	46.90(36.26,60.62)	1.71(1.32,2.21)	42.93(33.19,55.69)	2.97(2.27,3.83)	-0.64(-1.00,-0.27)
Qatar	55.99(44.00,71.57)	0.10(0.08,0.14)	53.45(42.12,68.38)	0.85(0.63,1.15)	-0.27(-0.30,-0.23)
South Korea	30.94(24.14,38.10)	8.98(6.97,11.32)	25.81(20.01,32.18)	22.25(17.17,27.89)	-0.88(-2.03,0.29)
Moldova	54.79(43.18,69.65)	2.38(1.86,3.07)	55.53(44.09,70.54)	3.11(2.46,3.97)	0.00(-0.11,0.10)
Romania	60.68(48.14,77.58)	16.69(13.08,21.57)	52.81(41.41,68.56)	18.81(14.64,24.53)	-0.84(-1.15,-0.52)
Russia	71.21(57.56,89.87)	125.38(101.03,159.15)	69.80(56.27,88.05)	158.49(127.08,201.20)	-0.11(-0.17,-0.05)
Rwanda	19.14(14.85,24.75)	0.64(0.49,0.85)	18.11(13.99,23.41)	1.29(0.97,1.71)	-0.25(-0.31,-0.18)
Saint Kitts and Nevis	50.89(39.59,65.45)	0.02(0.01,0.02)	44.67(34.36,57.76)	0.03(0.02,0.04)	-0.45(-0.48,-0.43)
Saint Lucia	52.85(41.12,67.90)	0.05(0.04,0.06)	48.01(37.26,61.40)	0.10(0.08,0.13)	-0.34(-0.36,-0.32)
Saint Vincent and the Grenadines	53.97(42.31,69.15)	0.04(0.03,0.05)	47.28(36.49,61.34)	0.06(0.05,0.08)	-0.50(-0.53,-0.47)
Samoa	59.54(47.18,75.47)	0.05(0.04,0.07)	57.15(45.34,72.62)	0.08(0.06,0.10)	-0.18(-0.20,-0.16)
San Marino	53.41(42.24,67.90)	0.02(0.01,0.02)	48.60(37.84,62.63)	0.03(0.02,0.04)	-0.37(-0.44,-0.31)
Sao Tome and Principe	28.02(21.96,35.74)	0.02(0.01,0.02)	26.21(20.50,33.36)	0.03(0.02,0.04)	-0.29(-0.35,-0.23)
Saudi Arabia	59.31(46.74,74.98)	4.01(3.15,5.19)	56.92(44.77,73.33)	12.96(9.90,17.13)	-0.17(-0.19,-0.15)
Senegal	40.49(32.00,52.35)	1.48(1.15,1.93)	38.29(30.20,48.98)	3.28(2.56,4.30)	-0.24(-0.42,-0.05)
Serbia	68.44(54.23,87.49)	7.68(5.99,9.95)	63.61(50.24,80.57)	9.71(7.55,12.44)	-0.36(-0.41,-0.30)
Seychelles	38.39(29.95,49.36)	0.02(0.02,0.03)	34.30(26.76,43.92)	0.04(0.03,0.05)	-0.34(-0.38,-0.31)
Sierra Leone	29.99(23.69,38.08)	0.62(0.49,0.80)	28.86(22.63,36.93)	1.22(0.95,1.60)	-0.18(-0.27,-0.10)
Singapore	28.95(22.64,35.88)	0.65(0.51,0.83)	25.95(20.18,32.39)	1.99(1.55,2.51)	-0.36(-0.36,-0.35)
Slovakia	65.03(51.04,83.12)	3.85(3.01,4.94)	55.57(43.59,71.69)	4.98(3.87,6.46)	-0.56(-0.87,-0.24)
Slovenia	77.85(62.09,98.66)	1.89(1.49,2.39)	68.81(54.75,86.37)	2.77(2.19,3.47)	-0.90(-1.32,-0.48)
Solomon Islands	62.00(49.37,78.10)	0.08(0.06,0.10)	59.99(47.24,75.91)	0.17(0.14,0.22)	-0.08(-0.10,-0.05)
Somalia	21.42(16.55,27.79)	0.67(0.49,0.90)	22.44(17.50,29)	1.91(1.42,2.55)	0.15(0.12,0.19)
South Africa	77.68(60.49,99.39)	20.23(15.50,26.22)	59.70(46.66,76.23)	30.37(23.24,38.98)	-0.96(-1.40,-0.53)
South Sudan	14.69(11.34,18.91)	0.40(0.31,0.53)	15.02(11.61,19.59)	0.68(0.51,0.90)	0.05(0.03,0.06)
Spain	54.07(44.82,61.61)	29.81(24.59,33.99)	36.52(28.65,47.18)	32.76(25.49,41.95)	-1.99(-3.13,-0.85)
Sri Lanka	37.76(29.47,48.22)	4.08(3.18,5.27)	32.48(25.06,42.23)	8.14(6.24,10.71)	-1.48(-2.51,-0.43)
Sudan	74.13(59.15,94.09)	7.33(5.83,9.31)	68.66(54.32,87.65)	14.23(11.24,18.28)	-0.33(-0.36,-0.30)
Suriname	51.63(40.15,66.61)	0.13(0.10,0.17)	48.32(37.61,62.25)	0.29(0.22,0.37)	-0.29(-0.31,-0.26)
Sweden	44.09(34.70,56.11)	6.33(4.94,8.00)	45.57(35.05,58.86)	8.87(6.80,11.32)	-0.45(-1.20,0.29)
Switzerland	46.27(42.99,49.74)	4.68(4.33,5.08)	37.97(29.49,49.31)	6.22(4.81,8.03)	-1.17(-1.65,-0.69)
Syria	73.44(58.29,92.39)	4.13(3.27,5.29)	70.03(55.75,88.80)	8.92(7.01,11.55)	-0.26(-0.31,-0.21)
Taiwan (Province of China)	24.51(18.96,31.16)	3.61(2.78,4.70)	24.98(19.28,31.59)	9.80(7.55,12.45)	0.11(0.07,0.14)
Tajikistan	87.51(70.66,109.03)	2.55(2.06,3.19)	85.31(69.06,106.06)	4.64(3.64,5.92)	-0.22(-0.38,-0.06)
Thailand	42.20(32.77,54.45)	15.08(11.67,19.72)	35.97(28.05,46.79)	36.20(28.08,47.30)	-0.54(-0.56,-0.52)
Timor-Leste	44.14(34.73,55.78)	0.13(0.10,0.17)	38.86(30.25,49.85)	0.32(0.24,0.41)	-0.52(-0.57,-0.46)
Togo	29.29(22.91,37.06)	0.44(0.33,0.57)	28.65(22.36,36.81)	1.21(0.93,1.58)	-0.11(-0.15,-0.06)
Tokelau	58.79(46.72,74.11)	0.00(0.00,0.00)	54.14(42.27,68.86)	0.00(0.00,0.00)	-0.30(-0.32,-0.29)
Tonga	59.21(46.71,74.68)	0.03(0.03,0.04)	55.58(43.78,70.65)	0.04(0.03,0.06)	-0.20(-0.21,-0.19)
Trinidad and Tobago	50.9(39.42,65.89)	0.43(0.33,0.56)	44.66(34.60,57.83)	0.83(0.64,1.09)	-0.58(-0.63,-0.53)
Tunisia	70.13(56.08,88.66)	3.68(2.93,4.69)	63.73(50.53,81.34)	8.14(6.40,10.41)	-0.39(-0.58,-0.20)
Turkey	88.52(71.18,110.20)	33.74(26.9,42.29)	79.03(63.25,99.28)	71.13(56.83,89.68)	-0.31(-0.53,-0.09)
Turkmenistan	82.68(66.42,102.74)	1.64(1.30,2.08)	75.01(60.68,94.56)	2.96(2.36,3.78)	-0.48(-0.64,-0.32)
Tuvalu	60.86(47.96,76.64)	0.00(0.00,0.01)	56.77(44.84,72.46)	0.01(0.00,0.01)	-0.20(-0.21,-0.18)
Uganda	18.96(14.76,24.51)	1.43(1.08,1.89)	17.62(13.68,22.90)	3.08(2.30,4.15)	-0.29(-0.30,-0.27)

Ukraine	67.54(54.07,85.70)	46.74(37.46,59.94)	67.21(53.84,84.72)	49.28(39.12,62.19)	0.05(-0.14,0.23)
United Arab Emirates	55.86(43.94,71.42)	0.39(0.29,0.54)	57.33(45.21,73.20)	3.67(2.69,4.99)	0.05(-0.39,0.48)
UK	59.42(46.73,76.11)	52.05(40.82,66.06)	52.60(41.23,67.52)	62.07(48.47,79.11)	-0.87(-1.47,-0.26)
Tanzania	18.28(14.11,23.64)	2.25(1.71,2.97)	17.27(13.37,22.31)	5.00(3.79,6.54)	-0.22(-0.26,-0.19)
USA	59.18(44.48,78.48)	182.95(137.44,241.57)	49.08(38.49,64.53)	249.95(193.92,324.01)	-1.06(-1.50,-0.62)
Virgin Islands US	37.38(28.81,49.06)	0.03(0.02,0.04)	33.26(25.52,43.33)	0.06(0.05,0.08)	-0.90(-1.63,-0.17)
Uruguay	56.01(43.83,71)	2.18(1.69,2.78)	48.24(37.65,61.79)	2.55(1.99,3.25)	-0.49(-0.63,-0.36)
Uzbekistan	85.12(68.80,106.73)	9.97(8.10,12.59)	80.01(64.42,100.03)	17.58(13.86,22.56)	-0.31(-0.44,-0.18)
Vanuatu	59.84(47.88,75.98)	0.04(0.03,0.05)	57.75(46.19,73.13)	0.10(0.08,0.12)	-0.12(-0.13,-0.11)
Venezuela	57.67(45.69,74.59)	5.91(4.70,7.65)	54.97(43.45,70.72)	16.18(12.78,20.96)	-0.26(-0.29,-0.23)
Vietnam	37.78(29.51,48.81)	15.21(11.87,19.82)	31.33(24.10,40.61)	28.48(21.87,37.26)	-0.48(-1.16,0.20)
Yemen	73.81(58.69,93.05)	3.95(3.12,5.05)	73.51(58.63,93.70)	11.07(8.75,14.29)	-0.14(-0.19,-0.08)
Zambia	18.34(14.22,23.64)	0.62(0.47,0.83)	17.15(13.38,22.18)	1.45(1.08,1.95)	-0.30(-0.42,-0.18)
Zimbabwe	54.73(42.69,69.33)	3.03(2.32,3.97)	55.62(43.34,71.01)	5.40(4.10,7.07)	0.15(0.07,0.23)

ASPR, age-standardized prevalence rate; No., number; UI, uncertainty interval; EAPC, estimated annual percentage change; CI, confidential interval.

Supplementary table 3. DALYs and age-standardized DALY rate per 1000 people for edentulism in 1990 and 2019, and its estimated annual percentage change in 204 countries and territories from 1990 to 2019.

	1990		2019		EAPC (95%CI)
	ASDR/1000 (95%UI)	DALYs*10 ⁵ (95%UI)	ASDR/1000 (95%UI)	DALYs*10 ⁵ (95%UI)	From 1990 to 2019
Afghanistan	2.02(1.29,2.99)	0.14(0.09,0.21)	1.98(1.28,2.93)	0.29(0.18,0.43)	-0.16(-0.26,-0.07)
Albania	1.99(1.27,2.92)	0.04(0.03,0.06)	1.76(1.12,2.59)	0.07(0.05,0.11)	-0.55(-0.60,-0.50)
Algeria	1.89(1.19,2.77)	0.25(0.16,0.36)	1.80(1.15,2.65)	0.64(0.41,0.95)	-0.25(-0.28,-0.21)
American Samoa	1.37(0.87,2.02)	0.00(0.00,0.00)	1.36(0.86,2.02)	0.00(0.00,0.00)	-0.04(-0.05,-0.03)
Andorra	1.38(0.87,2.07)	0.00(0.00,0.00)	1.30(0.83,1.94)	0.00(0.00,0.00)	-0.24(-0.28,-0.21)
Angola	1.03(0.66,1.53)	0.06(0.03,0.09)	0.93(0.59,1.38)	0.15(0.09,0.22)	-0.54(-0.62,-0.46)
Antigua and Barbuda	1.38(0.88,2.10)	0.00(0.00,0.00)	1.24(0.79,1.86)	0.00(0.00,0.00)	-0.39(-0.41,-0.37)
Argentina	1.45(0.91,2.16)	0.47(0.29,0.70)	1.25(0.79,1.86)	0.67(0.43,1.00)	-0.48(-0.52,-0.44)
Armenia	2.44(1.57,3.56)	0.07(0.04,0.10)	2.27(1.44,3.32)	0.09(0.06,0.14)	-0.45(-0.58,-0.31)
Australia	2.86(1.94,3.96)	0.55(0.37,0.76)	1.75(1.11,2.59)	0.68(0.43,1.00)	-0.67(-1.36,0.02)
Austria	1.84(1.18,2.71)	0.21(0.14,0.31)	1.64(1.05,2.41)	0.27(0.17,0.40)	-0.72(-1.14,-0.29)
Azerbaijan	2.33(1.50,3.40)	0.12(0.08,0.18)	2.16(1.38,3.14)	0.21(0.13,0.31)	-0.48(-0.66,-0.29)
Bahamas	1.29(0.82,1.94)	0.00(0.00,0.00)	1.21(0.77,1.83)	0.00(0.00,0.01)	-0.23(-0.26,-0.21)
Bahrain	1.67(1.07,2.43)	0.00(0.00,0.01)	1.58(1.01,2.34)	0.02(0.01,0.03)	-0.22(-0.25,-0.20)
Bangladesh	0.32(0.20,0.47)	0.14(0.09,0.21)	0.27(0.17,0.40)	0.34(0.21,0.50)	-0.56(-0.58,-0.54)
Barbados	1.39(0.88,2.09)	0.00(0.00,0.01)	1.29(0.81,1.93)	0.01(0.00,0.01)	-0.30(-0.32,-0.27)
Belarus	1.57(1.01,2.30)	0.20(0.13,0.29)	1.47(0.94,2.16)	0.22(0.14,0.33)	-0.32(-0.38,-0.26)
Belgium	1.88(1.20,2.73)	0.28(0.18,0.41)	1.66(1.06,2.45)	0.35(0.22,0.51)	-0.54(-0.80,-0.28)
Belize	1.49(0.94,2.22)	0.00(0.00,0.00)	1.34(0.85,2.03)	0.00(0.00,0.01)	-0.36(-0.39,-0.33)
Benin	0.81(0.52,1.20)	0.02(0.01,0.03)	0.76(0.49,1.14)	0.04(0.03,0.07)	-0.29(-0.33,-0.25)
Bermuda	1.29(0.82,1.94)	0.00(0.00,0.00)	1.17(0.74,1.75)	0.00(0.00,0.00)	-0.37(-0.40,-0.35)
Bhutan	0.50(0.32,0.74)	0.00(0.00,0.00)	0.42(0.26,0.63)	0.00(0.00,0.00)	-0.64(-0.65,-0.63)
Bolivia	2.90(1.86,4.20)	0.10(0.06,0.14)	2.65(1.71,3.85)	0.24(0.16,0.36)	-0.32(-0.34,-0.30)
Bosnia and Herzegovina	2.17(1.40,3.17)	0.09(0.06,0.13)	1.85(1.18,2.70)	0.11(0.07,0.16)	-1.07(-1.64,-0.50)
Botswana	1.72(1.10,2.59)	0.01(0.01,0.02)	1.53(0.97,2.33)	0.03(0.02,0.05)	-0.40(-0.41,-0.39)
Brazil	2.59(1.67,3.74)	2.35(1.50,3.44)	2.52(1.61,3.67)	6.01(3.83,8.78)	-0.08(-0.47,0.31)
Brunei	0.75(0.47,1.09)	0.00(0.00,0.00)	0.74(0.47,1.09)	0.00(0.00,0.00)	-0.07(-0.09,-0.04)
Bulgaria	1.70(1.08,2.50)	0.21(0.13,0.31)	1.51(0.96,2.24)	0.21(0.13,0.31)	-0.72(-0.98,-0.47)
Burkina Faso	0.54(0.34,0.82)	0.03(0.02,0.04)	0.50(0.31,0.76)	0.05(0.03,0.08)	-0.19(-0.47,0.10)
Burundi	0.52(0.33,0.78)	0.01(0.01,0.02)	0.53(0.33,0.80)	0.03(0.02,0.05)	0.06(0.03,0.09)
Cape Verde	0.80(0.50,1.19)	0.00(0.00,0.00)	0.70(0.44,1.04)	0.00(0.00,0.00)	-0.57(-0.61,-0.53)
Cambodia	1.34(0.85,1.97)	0.06(0.04,0.09)	1.15(0.74,1.71)	0.14(0.09,0.21)	-0.52(-0.58,-0.46)
Cameroon	0.75(0.48,1.12)	0.04(0.02,0.06)	0.73(0.46,1.08)	0.10(0.06,0.16)	-0.18(-0.24,-0.12)
Canada	1.21(0.76,1.81)	0.39(0.24,0.58)	0.98(0.62,1.45)	0.60(0.38,0.89)	-0.53(-0.81,-0.24)
Central African Republic	1.11(0.71,1.64)	0.02(0.01,0.03)	1.13(0.72,1.68)	0.03(0.02,0.05)	0.01(-0.01,0.03)
Chad	1.09(0.70,1.61)	0.03(0.02,0.05)	0.99(0.64,1.48)	0.07(0.04,0.10)	-0.39(-0.66,-0.13)
Chile	1.31(0.83,1.96)	0.13(0.08,0.19)	1.10(0.69,1.65)	0.26(0.16,0.40)	-0.58(-0.65,-0.51)
China	0.96(0.61,1.43)	7.57(4.82,11.47)	0.91(0.58,1.36)	17.56(11.28,26.49)	0.25(-0.43,0.93)
Colombia	1.32(0.84,1.95)	0.25(0.16,0.36)	1.19(0.76,1.78)	0.63(0.40,0.94)	-0.40(-0.43,-0.36)
Comoros	0.62(0.39,0.92)	0.00(0.00,0.00)	0.62(0.39,0.92)	0.00(0.00,0.00)	0.01(-0.11,0.14)
Congo	0.97(0.62,1.43)	0.01(0.01,0.02)	0.94(0.60,1.40)	0.03(0.02,0.05)	-0.19(-0.25,-0.12)
Cook Islands	1.43(0.92,2.13)	0.00(0.00,0.00)	1.31(0.84,1.94)	0.00(0.00,0.00)	-0.26(-0.28,-0.25)
Costa Rica	1.61(1.03,2.38)	0.03(0.02,0.04)	1.47(0.94,2.19)	0.08(0.05,0.11)	-0.33(-0.34,-0.32)

Croatia	1.78(1.14,2.60)	0.11(0.07,0.17)	1.57(1.00,2.33)	0.13(0.08,0.19)	-1.07(-1.65,-0.50)
Cuba	1.56(0.99,2.34)	0.16(0.10,0.24)	1.43(0.95,1.99)	0.27(0.18,0.37)	-0.38(-0.45,-0.31)
Cyprus	1.55(0.98,2.31)	0.01(0.01,0.02)	1.42(0.92,2.12)	0.03(0.02,0.04)	-0.31(-0.33,-0.28)
Czech	1.82(1.15,2.68)	0.25(0.15,0.36)	1.59(1.01,2.34)	0.31(0.20,0.47)	-0.61(-0.89,-0.33)
Cote d'Ivoire	1.05(0.68,1.55)	0.05(0.03,0.08)	1.03(0.66,1.53)	0.14(0.09,0.21)	-0.10(-0.24,0.04)
North Korea	0.81(0.52,1.22)	0.11(0.07,0.17)	0.91(0.58,1.37)	0.28(0.18,0.42)	0.40(0.37,0.44)
DR Congo	1.07(0.69,1.58)	0.22(0.14,0.33)	1.10(0.71,1.64)	0.56(0.35,0.84)	0.08(-0.03,0.19)
Denmark	1.42(0.90,2.13)	0.11(0.07,0.17)	1.21(0.77,1.82)	0.13(0.08,0.20)	-1.19(-2.11,-0.26)
Djibouti	0.46(0.29,0.69)	0.00(0.00,0.00)	0.46(0.29,0.70)	0.00(0.00,0.01)	0.00(-0.05,0.05)
Dominica	1.48(0.94,2.22)	0.00(0.00,0.00)	1.30(0.83,1.98)	0.00(0.00,0.00)	-0.5(-0.52,-0.47)
Dominican Republic	1.81(1.14,2.66)	0.07(0.04,0.10)	1.61(1.02,2.40)	0.15(0.09,0.22)	-0.42(-0.54,-0.29)
Ecuador	2.57(1.66,3.74)	0.14(0.09,0.21)	2.34(1.49,3.45)	0.36(0.23,0.53)	-0.51(-0.82,-0.19)
Egypt	1.97(1.25,2.91)	0.62(0.39,0.91)	1.82(1.15,2.67)	1.24(0.78,1.84)	-0.3(-0.32,-0.29)
El Salvador	1.69(1.07,2.50)	0.05(0.03,0.08)	1.56(0.98,2.30)	0.09(0.06,0.14)	-0.28(-0.28,-0.27)
Equatorial Guinea	1.08(0.69,1.60)	0.00(0.00,0.00)	0.77(0.49,1.15)	0.01(0.00,0.01)	-1.52(-1.72,-1.32)
Eritrea	0.52(0.33,0.79)	0.01(0.00,0.01)	0.49(0.31,0.75)	0.02(0.01,0.03)	-0.14(-0.20,-0.07)
Estonia	1.55(1.00,2.26)	0.03(0.02,0.05)	1.43(0.92,2.13)	0.03(0.02,0.05)	-0.75(-1.13,-0.37)
Eswatini	1.57(1.00,2.41)	0.01(0.00,0.01)	1.43(0.92,2.17)	0.01(0.01,0.02)	-0.33(-0.36,-0.31)
Ethiopia	0.53(0.33,0.80)	0.12(0.07,0.19)	0.50(0.31,0.76)	0.25(0.15,0.38)	-0.26(-0.49,-0.02)
Fiji	1.55(0.99,2.28)	0.01(0.00,0.01)	1.43(0.92,2.12)	0.01(0.01,0.02)	-0.24(-0.26,-0.23)
Finland	2.02(1.31,2.92)	0.14(0.09,0.21)	1.47(0.94,2.17)	0.16(0.11,0.25)	-1.60(-2.22,-0.97)
France	1.55(0.99,2.32)	1.25(0.80,1.86)	1.39(0.88,2.09)	1.73(1.10,2.62)	-0.33(-1.13,0.49)
Gabon	0.86(0.54,1.28)	0.01(0.00,0.01)	0.83(0.53,1.23)	0.01(0.01,0.02)	-0.11(-0.13,-0.09)
Gambia	0.81(0.51,1.20)	0.00(0.00,0.01)	0.78(0.50,1.17)	0.01(0.01,0.01)	-0.16(-0.20,-0.12)
Georgia	1.99(1.27,2.92)	0.12(0.08,0.18)	1.94(1.25,2.86)	0.11(0.07,0.16)	-0.30(-0.49,-0.11)
Germany	1.45(0.93,2.17)	1.79(1.14,2.67)	1.25(0.80,1.89)	2.20(1.42,3.29)	-1.00(-1.67,-0.33)
Ghana	0.73(0.46,1.08)	0.05(0.03,0.08)	0.66(0.42,0.99)	0.12(0.08,0.18)	-0.25(-0.41,-0.09)
Greece	1.59(1.01,2.36)	0.24(0.15,0.35)	1.46(0.94,2.16)	0.31(0.20,0.46)	-0.68(-1.21,-0.15)
Greenland	1.20(0.76,1.79)	0.00(0.00,0.00)	1.05(0.66,1.55)	0.00(0.00,0.00)	-0.50(-0.52,-0.48)
Grenada	1.48(0.93,2.21)	0.00(0.00,0.00)	1.29(0.82,1.93)	0.00(0.00,0.00)	-0.50(-0.51,-0.49)
Guam	1.29(0.82,1.94)	0.00(0.00,0.00)	1.26(0.80,1.88)	0.00(0.00,0.00)	-0.40(-0.69,-0.11)
Guatemala	1.93(1.22,2.80)	0.08(0.05,0.11)	1.82(1.17,2.65)	0.21(0.14,0.31)	-0.22(-0.23,-0.21)
Guinea	0.80(0.51,1.19)	0.03(0.02,0.04)	0.77(0.49,1.14)	0.05(0.03,0.07)	-0.16(-0.21,-0.12)
Guinea-Bissau	0.82(0.52,1.23)	0.00(0.00,0.01)	0.79(0.50,1.16)	0.01(0.00,0.01)	-0.16(-0.19,-0.12)
Guyana	1.51(0.97,2.26)	0.01(0.00,0.01)	1.35(0.87,2.02)	0.01(0.01,0.01)	-0.40(-0.41,-0.39)
Haiti	1.57(0.99,2.33)	0.05(0.03,0.08)	1.51(0.95,2.26)	0.11(0.07,0.16)	-0.15(-0.16,-0.15)
Honduras	1.73(1.10,2.53)	0.04(0.02,0.06)	1.62(1.02,2.39)	0.10(0.07,0.15)	-0.24(-0.25,-0.23)
Hungary	1.86(1.19,2.71)	0.27(0.17,0.39)	1.64(1.05,2.44)	0.30(0.19,0.45)	-0.32(-0.64,0.00)
Iceland	1.53(0.98,2.27)	0.00(0.00,0.01)	1.35(0.86,2.02)	0.01(0.00,0.01)	-0.51(-0.54,-0.48)
India	0.92(0.58,1.39)	4.05(2.53,6.22)	0.84(0.53,1.26)	9.40(5.89,14.27)	2.02(1.06,2.99)
Indonesia	1.36(0.87,2.01)	1.35(0.86,1.99)	1.23(0.78,1.82)	2.65(1.67,3.94)	-0.31(-0.36,-0.26)
Iran	1.52(0.96,2.24)	0.42(0.26,0.63)	1.44(0.90,2.12)	1.11(0.69,1.63)	-0.77(-1.34,-0.19)
Iraq	1.85(1.18,2.73)	0.15(0.10,0.23)	1.77(1.13,2.60)	0.45(0.29,0.67)	-0.30(-0.36,-0.24)
Ireland	2.14(1.38,3.11)	0.09(0.06,0.12)	1.75(1.12,2.57)	0.13(0.08,0.18)	-0.60(-0.95,-0.25)
Israel	1.82(1.17,2.67)	0.09(0.06,0.13)	1.61(1.03,2.37)	0.18(0.12,0.27)	-0.42(-0.46,-0.37)
Italy	1.39(0.89,2.06)	1.20(0.77,1.79)	1.33(0.85,1.98)	1.73(1.11,2.56)	-0.59(-1.08,-0.09)
Jamaica	1.48(0.94,2.21)	0.03(0.02,0.04)	1.37(0.86,2.05)	0.04(0.03,0.06)	-0.24(-0.26,-0.23)
Japan	1.25(0.81,1.84)	2.08(1.34,3.07)	1.04(0.66,1.54)	3.37(2.14,4.92)	-0.51(-1.32,0.30)
Jordan	1.94(1.24,2.86)	0.03(0.02,0.04)	1.84(1.16,2.70)	0.14(0.09,0.20)	-0.28(-0.32,-0.25)
Kazakhstan	2.56(1.64,3.74)	0.33(0.21,0.49)	2.38(1.52,3.47)	0.42(0.27,0.61)	-0.32(-0.45,-0.19)

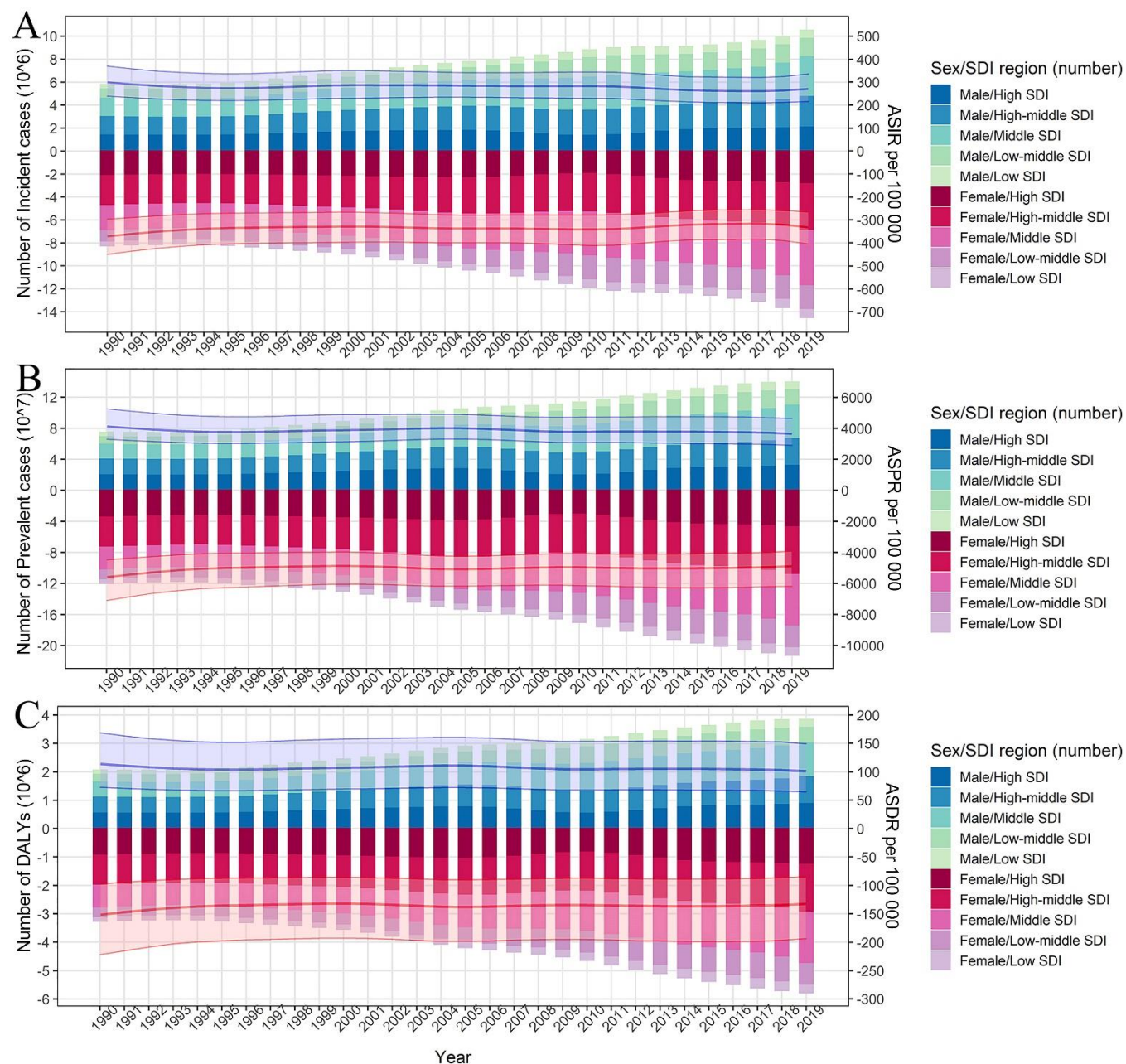
Kenya	0.44(0.28,0.67)	0.04(0.03,0.06)	0.44(0.28,0.67)	0.12(0.07,0.18)	-0.39(-0.60,-0.17)
Kiribati	1.65(1.06,2.42)	0.00(0.00,0.00)	1.67(1.06,2.44)	0.00(0.00,0.00)	0.05(0.03,0.07)
Kuwait	1.67(1.06,2.45)	0.01(0.01,0.02)	1.59(1.01,2.34)	0.05(0.03,0.08)	-0.21(-0.24,-0.18)
Kyrgyzstan	2.37(1.51,3.45)	0.07(0.05,0.11)	2.36(1.50,3.46)	0.11(0.07,0.17)	-0.12(-0.25,0.02)
Laos	0.83(0.53,1.25)	0.02(0.01,0.03)	0.69(0.44,1.03)	0.03(0.02,0.05)	-0.68(-1.31,-0.06)
Latvia	1.23(0.78,1.81)	0.04(0.03,0.06)	1.17(0.75,1.75)	0.04(0.03,0.07)	-0.76(-1.29,-0.22)
Lebanon	1.92(1.23,2.84)	0.04(0.03,0.07)	1.79(1.15,2.62)	0.09(0.06,0.14)	-0.31(-0.33,-0.29)
Lesotho	2.00(1.27,3.06)	0.02(0.01,0.04)	1.80(1.16,2.72)	0.03(0.02,0.05)	-0.36(-0.37,-0.34)
Liberia	0.81(0.52,1.20)	0.01(0.01,0.01)	0.81(0.52,1.21)	0.02(0.01,0.03)	-0.23(-0.35,-0.11)
Libya	1.72(1.09,2.52)	0.03(0.02,0.05)	1.76(1.12,2.57)	0.10(0.06,0.15)	-0.02(-0.09,0.04)
Lithuania	1.26(0.81,1.86)	0.06(0.04,0.08)	1.15(0.74,1.74)	0.06(0.04,0.09)	-0.79(-1.19,-0.38)
Luxembourg	1.79(1.15,2.64)	0.01(0.01,0.01)	1.54(0.98,2.31)	0.01(0.01,0.02)	-0.88(-1.27,-0.49)
Madagascar	0.49(0.31,0.75)	0.03(0.02,0.04)	0.50(0.31,0.75)	0.07(0.04,0.10)	0.04(0.02,0.06)
Malawi	0.61(0.39,0.93)	0.03(0.02,0.04)	0.58(0.37,0.88)	0.05(0.03,0.08)	-0.18(-0.20,-0.17)
Malaysia	1.70(1.10,2.48)	0.17(0.11,0.24)	1.48(0.94,2.17)	0.4(0.25,0.60)	-0.83(-1.54,-0.11)
Maldives	1.11(0.71,1.65)	0.00(0.00,0.00)	0.97(0.62,1.44)	0.00(0.00,0.00)	-0.46(-0.50,-0.43)
Mali	0.64(0.41,0.96)	0.03(0.02,0.04)	0.59(0.37,0.88)	0.06(0.04,0.09)	-0.36(-0.65,-0.07)
Malta	1.35(0.86,2.03)	0.01(0.00,0.01)	1.14(0.73,1.73)	0.01(0.01,0.01)	-0.70(-0.82,-0.59)
Marshall Islands	1.60(1.02,2.33)	0.00(0.00,0.00)	1.52(0.98,2.24)	0.00(0.00,0.00)	-0.14(-0.15,-0.12)
Mauritania	1.05(0.67,1.56)	0.01(0.01,0.02)	0.99(0.64,1.48)	0.02(0.01,0.04)	-0.25(-0.46,-0.04)
Mauritius	1.78(1.15,2.61)	0.01(0.01,0.02)	1.55(1.00,2.27)	0.03(0.02,0.04)	-0.41(-1.00,0.18)
Mexico	1.85(1.18,2.70)	0.84(0.53,1.23)	1.78(1.13,2.60)	2.12(1.34,3.12)	-0.53(-0.79,-0.28)
Micronesia	1.62(1.04,2.37)	0.00(0.00,0.00)	1.55(1.00,2.28)	0.00(0.00,0.00)	-0.18(-0.19,-0.18)
Monaco	1.31(0.83,1.96)	0.00(0.00,0.00)	1.15(0.74,1.73)	0.00(0.00,0.00)	-0.44(-0.44,-0.43)
Mongolia	2.37(1.51,3.46)	0.03(0.02,0.04)	2.17(1.38,3.18)	0.05(0.03,0.08)	-0.41(-0.53,-0.30)
Montenegro	1.87(1.18,2.74)	0.01(0.01,0.02)	1.75(1.11,2.58)	0.02(0.01,0.02)	-0.34(-0.41,-0.27)
Morocco	2.26(1.45,3.32)	0.33(0.21,0.49)	2.06(1.32,3.00)	0.67(0.43,0.99)	-0.37(-0.42,-0.31)
Mozambique	0.56(0.36,0.84)	0.04(0.02,0.06)	0.51(0.33,0.77)	0.07(0.04,0.11)	-0.39(-0.41,-0.37)
Myanmar	0.83(0.53,1.25)	0.19(0.12,0.29)	0.66(0.41,1.00)	0.30(0.19,0.45)	-0.92(-1.80,-0.02)
Namibia	2.45(1.55,3.66)	0.02(0.01,0.03)	2.23(1.41,3.32)	0.04(0.03,0.06)	-0.33(-0.75,0.10)
Nauru	1.41(0.90,2.10)	0.00(0.00,0.00)	1.43(0.91,2.13)	0.00(0.00,0.00)	0.09(-0.05,0.23)
Nepal	0.39(0.24,0.58)	0.03(0.02,0.05)	0.32(0.20,0.48)	0.07(0.04,0.10)	-0.62(-0.84,-0.40)
Netherlands	2.25(1.45,3.27)	0.44(0.28,0.64)	1.97(1.27,2.89)	0.62(0.40,0.91)	-0.77(-1.35,-0.17)
New Zealand	2.69(1.71,4.02)	0.10(0.07,0.15)	1.97(1.24,2.93)	0.14(0.09,0.21)	-0.88(-1.25,-0.51)
Nicaragua	1.72(1.09,2.54)	0.03(0.02,0.04)	1.63(1.04,2.39)	0.08(0.05,0.11)	-0.23(-0.26,-0.21)
Niger	0.83(0.53,1.23)	0.03(0.02,0.04)	0.81(0.51,1.20)	0.07(0.05,0.11)	-0.12(-0.17,-0.07)
Nigeria	0.51(0.32,0.78)	0.24(0.15,0.36)	0.47(0.30,0.71)	0.46(0.28,0.70)	-0.64(-1.53,0.27)
Niue	1.49(0.95,2.21)	0.00(0.00,0.00)	1.39(0.89,2.07)	0.00(0.00,0.00)	-0.25(-0.27,-0.23)
North Macedonia	2.00(1.27,2.93)	0.04(0.02,0.06)	1.83(1.17,2.68)	0.06(0.04,0.09)	-0.39(-0.45,-0.33)
Northern Mariana Islands	1.30(0.84,1.93)	0.00(0.00,0.00)	1.31(0.84,1.94)	0.00(0.00,0.00)	0.06(0.03,0.09)
Norway	1.44(0.93,2.13)	0.09(0.06,0.14)	1.34(0.87,1.99)	0.12(0.08,0.18)	-0.20(-1.72,1.34)
Oman	1.68(1.07,2.47)	0.01(0.01,0.02)	1.58(1.01,2.32)	0.04(0.02,0.06)	-0.26(-0.28,-0.24)
Pakistan	0.80(0.51,1.18)	0.45(0.29,0.67)	0.77(0.49,1.14)	0.84(0.54,1.26)	-0.08(-0.87,0.71)
Palau	1.45(0.93,2.14)	0.00(0.00,0.00)	1.37(0.88,2.03)	0.00(0.00,0.00)	-0.18(-0.20,-0.16)
Palestine	2.06(1.32,3.04)	0.02(0.01,0.03)	1.89(1.20,2.80)	0.05(0.03,0.08)	-0.31(-0.33,-0.29)
Panama	1.60(1.01,2.36)	0.02(0.02,0.04)	1.42(0.90,2.10)	0.06(0.04,0.09)	-0.43(-0.45,-0.40)
Papua New Guinea	1.62(1.03,2.39)	0.03(0.02,0.04)	1.55(0.99,2.29)	0.07(0.05,0.11)	-0.12(-0.15,-0.10)
Paraguay	1.97(1.26,2.92)	0.04(0.03,0.06)	1.76(1.11,2.60)	0.10(0.06,0.14)	-0.12(-0.73,0.49)
Peru	3.00(1.94,4.35)	0.38(0.24,0.54)	2.76(1.76,4.02)	0.89(0.57,1.29)	-0.18(-0.27,-0.10)

Philippines	1.79(1.15,2.63)	0.56(0.36,0.82)	1.72(1.10,2.53)	1.36(0.87,2.01)	-0.13(-0.16,-0.09)
Poland	2.21(1.41,3.23)	0.96(0.61,1.41)	1.52(0.97,2.23)	1.00(0.63,1.47)	-1.27(-1.87,-0.67)
Portugal	1.59(1.03,2.35)	0.22(0.14,0.32)	1.41(0.90,2.12)	0.31(0.20,0.46)	-0.47(-0.58,-0.36)
Puerto Rico	1.29(0.82,1.94)	0.05(0.03,0.07)	1.17(0.75,1.79)	0.08(0.05,0.12)	-0.65(-1.01,-0.28)
Qatar	1.53(0.97,2.25)	0.00(0.00,0.00)	1.45(0.92,2.14)	0.02(0.01,0.04)	-0.29(-0.33,-0.25)
South Korea	0.84(0.54,1.24)	0.25(0.16,0.37)	0.71(0.45,1.06)	0.61(0.39,0.91)	-0.86(-2.01,0.30)
Moldova	1.50(0.95,2.22)	0.07(0.04,0.10)	1.53(0.98,2.26)	0.09(0.05,0.13)	0.02(-0.09,0.12)
Romania	1.66(1.06,2.46)	0.46(0.29,0.69)	1.45(0.92,2.16)	0.51(0.32,0.77)	-0.82(-1.13,-0.51)
Russia	1.94(1.25,2.84)	3.42(2.19,5.01)	1.91(1.23,2.80)	4.32(2.76,6.35)	-0.09(-0.15,-0.03)
Rwanda	0.53(0.33,0.78)	0.02(0.01,0.03)	0.50(0.32,0.75)	0.04(0.02,0.06)	-0.22(-0.28,-0.16)
Saint Kitts and Nevis	1.39(0.89,2.09)	0.00(0.00,0.00)	1.22(0.77,1.84)	0.00(0.00,0.00)	-0.46(-0.48,-0.43)
Saint Lucia	1.44(0.91,2.15)	0.00(0.00,0.00)	1.31(0.82,1.96)	0.00(0.00,0.00)	-0.35(-0.36,-0.33)
Saint Vincent and the Grenadines	1.48(0.94,2.21)	0.00(0.00,0.00)	1.29(0.82,1.95)	0.00(0.00,0.00)	-0.51(-0.54,-0.49)
Samoa	1.62(1.04,2.38)	0.00(0.00,0.00)	1.55(1.01,2.27)	0.00(0.00,0.00)	-0.19(-0.21,-0.18)
San Marino	1.47(0.94,2.20)	0.00(0.00,0.00)	1.34(0.86,2.01)	0.00(0.00,0.00)	-0.38(-0.44,-0.32)
Sao Tome and Principe	0.77(0.49,1.15)	0.00(0.00,0.00)	0.72(0.46,1.08)	0.00(0.00,0.00)	-0.29(-0.35,-0.24)
Saudi Arabia	1.62(1.04,2.38)	0.11(0.07,0.17)	1.55(0.99,2.28)	0.36(0.22,0.55)	-0.18(-0.20,-0.16)
Senegal	1.12(0.71,1.66)	0.04(0.03,0.06)	1.06(0.68,1.56)	0.09(0.06,0.14)	-0.23(-0.42,-0.04)
Serbia	1.88(1.19,2.77)	0.21(0.13,0.31)	1.74(1.11,2.58)	0.26(0.17,0.40)	-0.37(-0.43,-0.31)
Seychelles	1.05(0.67,1.56)	0.00(0.00,0.00)	0.93(0.59,1.39)	0.00(0.00,0.00)	-0.37(-0.41,-0.34)
Sierra Leone	0.83(0.53,1.23)	0.02(0.01,0.03)	0.80(0.50,1.18)	0.03(0.02,0.05)	-0.17(-0.25,-0.09)
Singapore	0.79(0.51,1.18)	0.02(0.01,0.03)	0.72(0.45,1.07)	0.06(0.03,0.08)	-0.32(-0.33,-0.31)
Slovakia	1.78(1.13,2.61)	0.11(0.07,0.16)	1.52(0.96,2.26)	0.14(0.09,0.20)	-0.55(-0.87,-0.23)
Slovenia	2.12(1.37,3.09)	0.05(0.03,0.08)	1.88(1.21,2.77)	0.08(0.05,0.11)	-0.89(-1.31,-0.46)
Solomon Islands	1.70(1.08,2.48)	0.00(0.00,0.00)	1.63(1.04,2.42)	0.00(0.00,0.01)	-0.10(-0.13,-0.08)
Somalia	0.59(0.37,0.89)	0.02(0.01,0.03)	0.62(0.39,0.92)	0.05(0.03,0.08)	0.16(0.12,0.19)
South Africa	2.16(1.37,3.21)	0.57(0.36,0.85)	1.64(1.05,2.45)	0.84(0.53,1.26)	-0.99(-1.43,-0.55)
South Sudan	0.40(0.25,0.60)	0.01(0.01,0.02)	0.41(0.26,0.61)	0.02(0.01,0.03)	0.05(0.04,0.06)
Spain	1.48(0.94,2.11)	0.81(0.52,1.16)	1.00(0.64,1.52)	0.89(0.57,1.33)	-2.00(-3.15,-0.84)
Sri Lanka	1.03(0.66,1.52)	0.11(0.07,0.17)	0.88(0.56,1.31)	0.22(0.14,0.33)	-1.50(-2.53,-0.46)
Sudan	2.05(1.30,3.04)	0.20(0.13,0.30)	1.89(1.21,2.78)	0.40(0.25,0.58)	-0.34(-0.36,-0.31)
Suriname	1.42(0.90,2.13)	0.00(0.00,0.01)	1.32(0.84,1.98)	0.01(0.01,0.01)	-0.32(-0.34,-0.29)
Sweden	1.21(0.78,1.80)	0.17(0.11,0.25)	1.25(0.80,1.88)	0.24(0.15,0.36)	-0.45(-1.18,0.29)
Switzerland	1.26(0.85,1.75)	0.13(0.09,0.18)	1.04(0.66,1.56)	0.17(0.11,0.25)	-1.16(-1.65,-0.67)
Syria	2.03(1.30,2.99)	0.12(0.07,0.17)	1.92(1.24,2.84)	0.25(0.16,0.37)	-0.28(-0.33,-0.24)
Taiwan (Province of China)	0.67(0.43,0.99)	0.10(0.06,0.15)	0.68(0.43,1.02)	0.27(0.17,0.40)	0.12(0.08,0.15)
Tajikistan	2.43(1.55,3.54)	0.07(0.05,0.10)	2.36(1.52,3.47)	0.13(0.08,0.19)	-0.23(-0.39,-0.07)
Thailand	1.15(0.73,1.69)	0.42(0.26,0.62)	0.99(0.63,1.48)	0.99(0.63,1.50)	-0.51(-0.53,-0.49)
Timor-Leste	1.20(0.76,1.78)	0.00(0.00,0.01)	1.06(0.67,1.58)	0.01(0.01,0.01)	-0.49(-0.54,-0.44)
Togo	0.81(0.51,1.21)	0.01(0.01,0.02)	0.79(0.50,1.18)	0.03(0.02,0.05)	-0.10(-0.14,-0.06)
Tokelau	1.60(1.03,2.37)	0.00(0.00,0.00)	1.47(0.94,2.17)	0.00(0.00,0.00)	-0.33(-0.34,-0.31)
Tonga	1.62(1.04,2.37)	0.00(0.00,0.00)	1.51(0.97,2.25)	0.00(0.00,0.00)	-0.21(-0.22,-0.20)
Trinidad and Tobago	1.39(0.89,2.08)	0.01(0.01,0.02)	1.22(0.78,1.85)	0.02(0.01,0.03)	-0.59(-0.64,-0.54)
Tunisia	1.94(1.24,2.85)	0.10(0.07,0.15)	1.76(1.12,2.59)	0.23(0.14,0.33)	-0.40(-0.59,-0.22)
Turkey	2.45(1.56,3.58)	0.94(0.60,1.38)	2.18(1.40,3.21)	1.97(1.26,2.89)	-0.33(-0.54,-0.12)
Turkmenistan	2.29(1.46,3.36)	0.05(0.03,0.07)	2.08(1.32,3.05)	0.08(0.05,0.12)	-0.48(-0.64,-0.31)
Tuvalu	1.66(1.07,2.44)	0.00(0.00,0.00)	1.54(0.99,2.27)	0.00(0.00,0.00)	-0.22(-0.24,-0.21)
Uganda	0.52(0.33,0.78)	0.04(0.02,0.06)	0.49(0.31,0.73)	0.09(0.05,0.13)	-0.25(-0.26,-0.24)

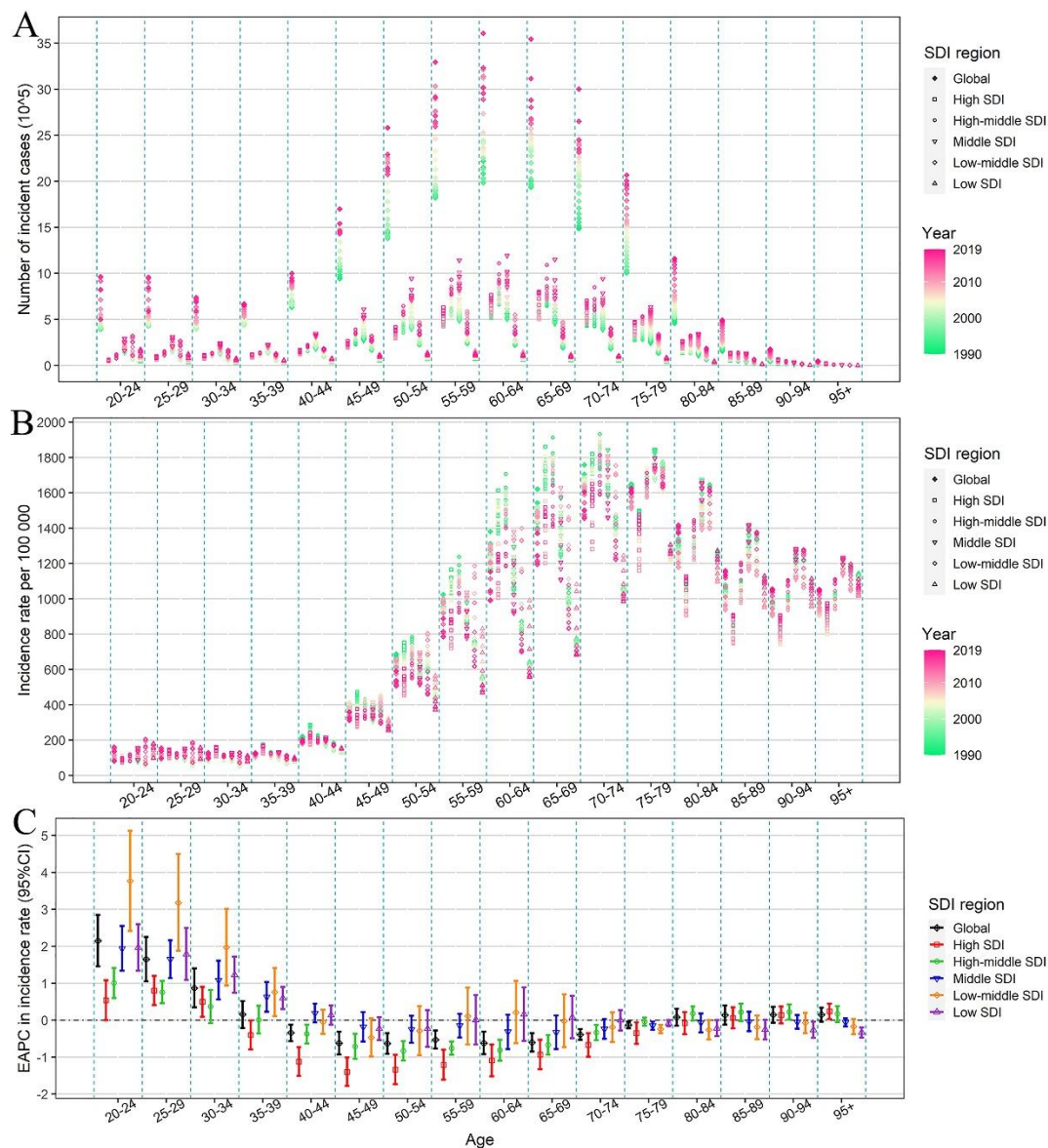
Ukraine	1.85(1.18,2.71)	1.28(0.82,1.90)	1.85(1.19,2.71)	1.35(0.86,1.98)	0.08(-0.12,0.27)
United Arab Emirates	1.53(0.97,2.27)	0.01(0.01,0.02)	1.57(1.00,2.32)	0.10(0.06,0.16)	0.03(-0.40,0.46)
UK	1.63(1.04,2.40)	1.42(0.90,2.10)	1.44(0.92,2.13)	1.68(1.07,2.50)	-0.88(-1.49,-0.26)
Tanzania	0.50(0.32,0.75)	0.06(0.04,0.09)	0.48(0.30,0.72)	0.14(0.09,0.21)	-0.20(-0.23,-0.16)
USA	1.60(0.98,2.41)	4.92(3.04,7.42)	1.32(0.84,1.97)	6.69(4.24,9.85)	-1.07(-1.51,-0.62)
Virgin Islands US	1.03(0.64,1.56)	0.00(0.00,0.00)	0.91(0.57,1.38)	0.00(0.00,0.00)	-0.93(-1.65,-0.20)
Uruguay	1.54(0.96,2.28)	0.06(0.04,0.09)	1.32(0.84,1.97)	0.07(0.04,0.10)	-0.50(-0.64,-0.37)
Uzbekistan	2.36(1.52,3.45)	0.28(0.18,0.41)	2.21(1.41,3.26)	0.49(0.31,0.73)	-0.32(-0.45,-0.19)
Vanuatu	1.63(1.04,2.41)	0.00(0.00,0.00)	1.57(1.00,2.30)	0.00(0.00,0.00)	-0.13(-0.15,-0.12)
Venezuela	1.58(1.00,2.35)	0.16(0.10,0.24)	1.51(0.97,2.22)	0.45(0.29,0.66)	-0.25(-0.28,-0.22)
Vietnam	1.04(0.67,1.54)	0.42(0.27,0.63)	0.86(0.55,1.29)	0.79(0.50,1.19)	-0.48(-1.15,0.20)
Yemen	2.03(1.29,2.97)	0.11(0.07,0.16)	2.02(1.28,2.97)	0.31(0.19,0.46)	-0.13(-0.18,-0.08)
Zambia	0.50(0.32,0.77)	0.02(0.01,0.03)	0.47(0.30,0.72)	0.04(0.02,0.06)	-0.29(-0.41,-0.18)
Zimbabwe	1.53(0.98,2.32)	0.09(0.05,0.13)	1.54(0.98,2.35)	0.15(0.09,0.24)	0.14(0.06,0.22)

ASDR, age-standardized disability-adjusted life years rate; DALYs, disability-adjusted life years; No., number; UI, uncertainty interval; EAPC, estimated annual percentage change; CI, confidential interval.

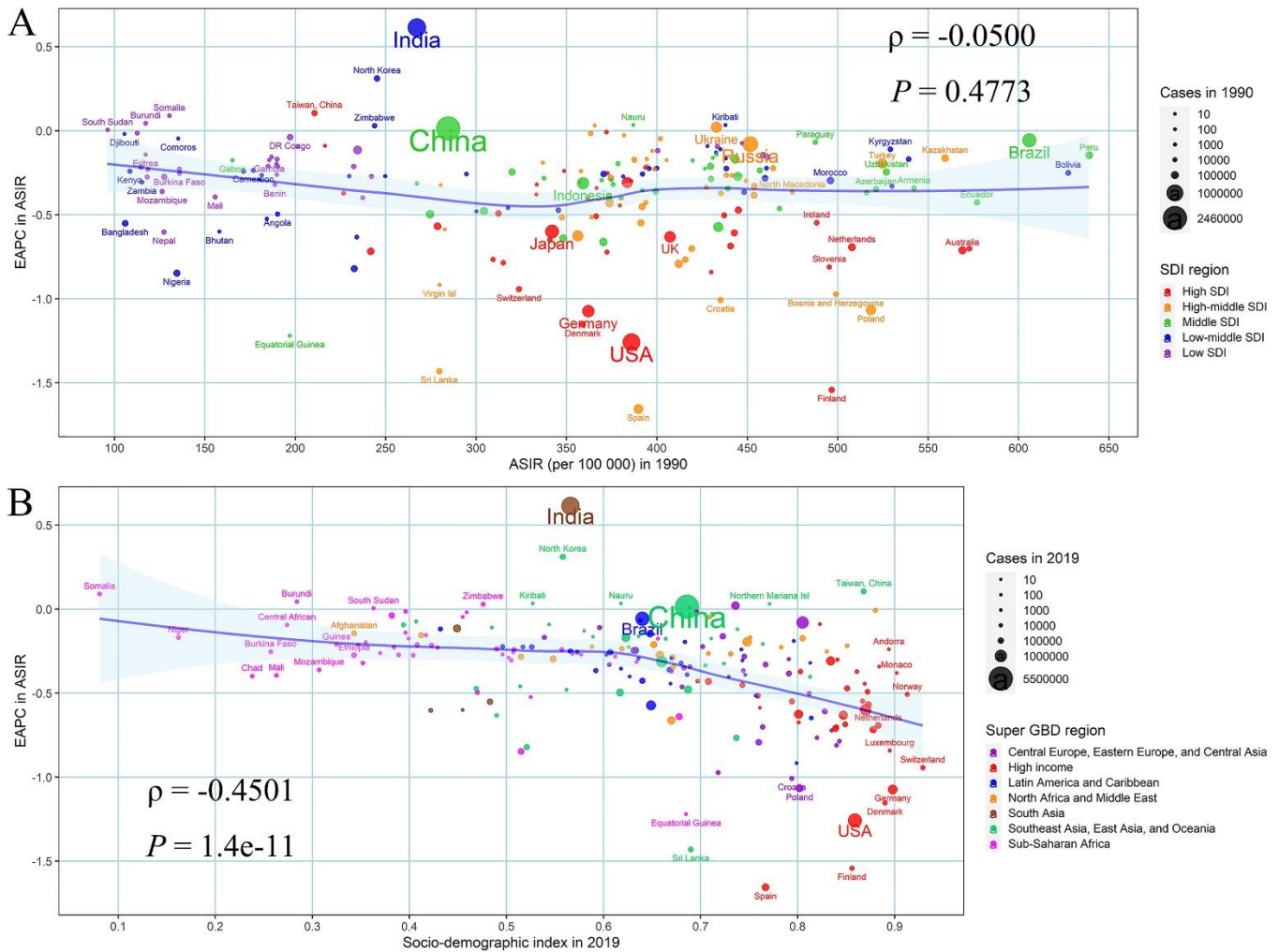
1.2 Supplementary Figures



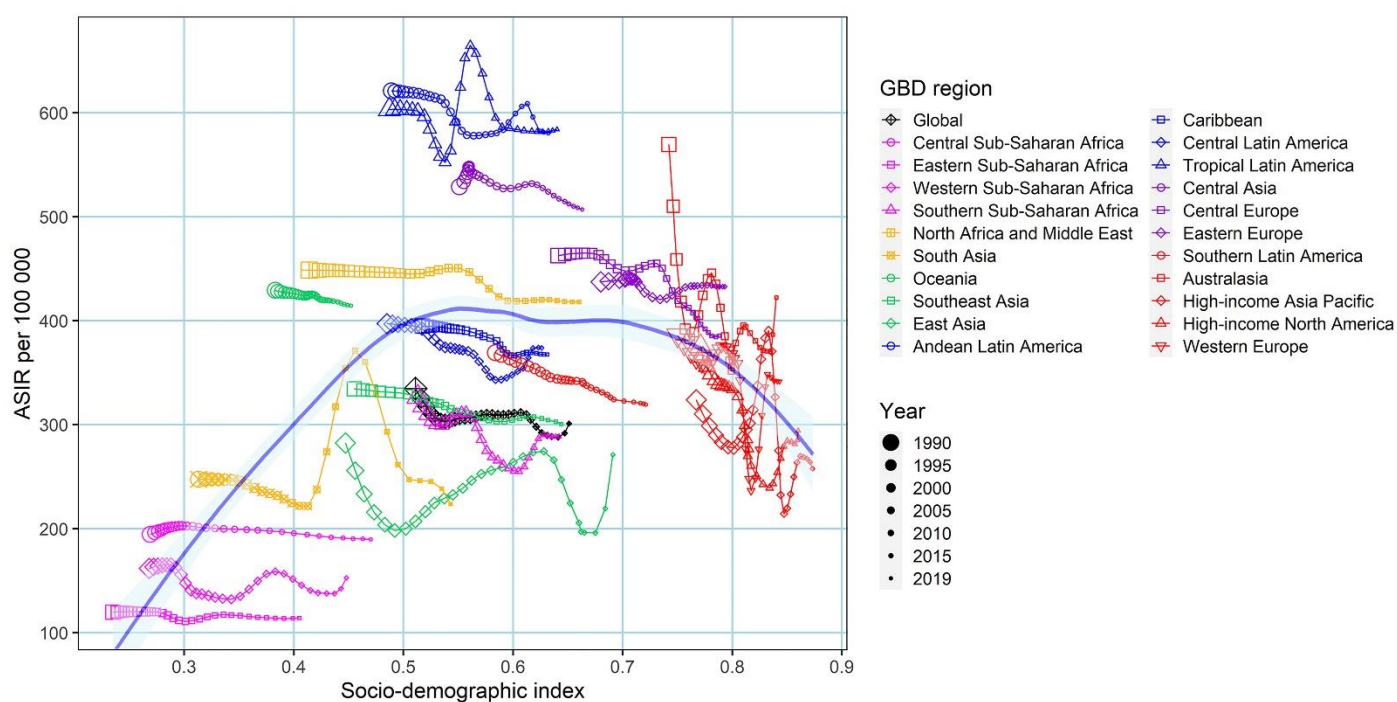
Supplementary figure 1. Incident cases, prevalent cases, DALYs and the corresponding ASRs of edentulism by sex, year, and SDI regions. (A) incident cases and ASIR (B) prevalent cases and ASPR; (C) DALYs and ASDR. ASIR: age-standardized incidence rate; ASPR: age-standardized prevalence rate; DALYs: disability-adjusted life years; ASDR: age-standardized DALY rate; SDI: socio-demographic index; ASRs: age-standardized rates.



Supplementary figure 2. Incident cases, incidence rate, and EAPC of incidence rate of edentulism by age group, and SDI regions from 1990 to 2019. (A) incident cases; (B) incidence rate; (C)EAPC of incidence rate. SDI: socio-demographic index; EAPC: estimated annual percentage change.



Supplementary figure 3. The association between ASIR in 1990, SDI in 2019, and the EAPC of ASIR from 1990 to 2019. (A) ASIR in 1990 and the EAPC of ASIR from 1990 to 2019; (B) SDI in 2019 and the EAPC of ASIR from 1990 to 2019. The blue line was an adaptive association fitted with adaptive Loess regression based on all data points. EAPC: estimated annual percentage change; SDI: socio-demographic index; ASIR: age-standardized incidence rate.



Supplementary figure 4. The association between ASIR, and SDI by GBD regions from 1990 to 2019.

The blue line was an adaptive association fitted with adaptive Loess regression based on all data points.

GBD: Global Burden of Disease; ASIR: age-standardized incidence rate; SDI: socio-demographic index.