

Supplementary Table S1. The GBD regions and corresponding countries.

GBD regions	Countries
High-income Asia Pacific	Brunei Darussalam, Japan, Republic of Korea, Singapore
High-income North America	Canada, United States of America
Western Europe	Andorra, Austria, Belgium, Cyprus, Denmark, Finland, France, Germany, Greece, Guernsey, Iceland, Ireland, Isle of Man, Israel, Italy, Jersey, Liechtenstein, Luxembourg, Malta, Monaco, Netherlands, Norway, Portugal, San Marino, Spain, Sweden, Switzerland, United Kingdom, Vatican City
Australasia	Australia, New Zealand
Andean Latin America	Bolivia, Ecuador, Peru
Tropical Latin America	Brazil, Paraguay
Central Latin America	Colombia, Costa Rica, El Salvador, Guatemala, Honduras, Mexico, Nicaragua, Panama, Venezuela (Bolivarian Republic of)
Southern Latin America	Argentina, Chile, Uruguay
Caribbean	Antigua and Barbuda, Bahamas, Barbados, Belize, Cuba, Dominica, Dominican Republic, Grenada, Guyana, Haiti, Jamaica, Saint, Kitts and Nevis, Saint Lucia, Saint Vincent and the Grenadines, Suriname, Trinidad and Tobago
Central Europe	Albania, Bosnia and Herzegovina, Bulgaria, Croatia, Czechia, Hungary, Kosovo, Montenegro, North Macedonia, Poland, Romania, Serbia, Slovakia, Slovenia
Eastern Europe	Belarus, Estonia, Latvia, Lithuania, Republic of Moldova, Russian Federation, Ukraine
Central Asia	Armenia, Azerbaijan, Georgia, Kazakhstan, Kyrgyzstan, Mongolia, Tajikistan, Turkmenistan, Uzbekistan
North Africa and Middle East	Afghanistan, Algeria, Bahrain, Egypt, Iran (Islamic Republic of), Iraq, Jordan, Kuwait, Lebanon, Libya, Morocco, Oman, Palestine, Qatar, Saudi Arabia, Syrian Arab Republic, Tunisia, Turkiye, United Arab Emirates, Western Sahara, Yemen
South Asia	Bangladesh, Bhutan, India, Nepal, Pakistan
Southeast Asia	Cambodia, Indonesia, Lao People's Democratic Republic, Malaysia, Maldives, Mauritius, Myanmar, Philippines, Seychelles, Sri Lanka, Thailand, Timor-Leste, Viet Nam

Supplementary Table S2. The global populations from 1990 to 2021 from Global Burden of Disease database.

Age group	Year	Population (Number)		
		Value	95% UI lower	95% UI upper
15-19 years	1990	519423451	508862515	530724737
20-24 years	1990	492087905	481525127	503481056
25-29 years	1990	442619653	433620464	452439505
30-34 years	1990	385422487	377887066	393550872
35-39 years	1990	352244471	344922797	360366501
40-44 years	1990	286481635	280859543	292686275
45-49 years	1990	232195492	227724763	237040519
50-54 years	1990	212571467	208564893	216971774
55-59 years	1990	185199959	181629801	189173190
60-64 years	1990	160609237	157624140	163858800
65-69 years	1990	123609457	121382571	126044770
70-74 years	1990	84661155	83100754	86320731
75-79 years	1990	61555514	60548489	62631090
80-84 years	1990	35375927	34810482	35960020
85-89 years	1990	15111073	14883743	15349648
90-94 years	1990	4285188	4219089	4355023
95+ years	1990	1018087	998973	1037516
Total	1990	3594472157	3523165210	3671992027
15-19 years	1991	518350547	507189731	529910182
20-24 years	1991	497020860	485584816	508801469
25-29 years	1991	455741897	445400937	466507034
30-34 years	1991	390561332	382497817	398952043
35-39 years	1991	361091531	352793846	369733259
40-44 years	1991	300529642	294135129	307488997
45-49 years	1991	235388282	230501236	240625148
50-54 years	1991	214880957	210531087	219629696
55-59 years	1991	187841080	183948021	192068061
60-64 years	1991	163914797	160693832	167542064
65-69 years	1991	127429488	124929976	130118159
70-74 years	1991	87729312	85983162	89539262
75-79 years	1991	61771393	60654585	62940576
80-84 years	1991	36491447	35880541	37140479
85-89 years	1991	15805921	15554743	16073719
90-94 years	1991	4576829	4500407	4656054
95+ years	1991	1059748	1038936	1081745
Total	1991	3660185062	3581818803	3742807946
15-19 years	1992	517295515	506008568	529311205
20-24 years	1992	500647331	488969303	513229096

25-29 years	1992	466919881	455683989	478916634
30-34 years	1992	398915095	390235361	408034140
35-39 years	1992	368394794	359598031	377750856
40-44 years	1992	310707131	303560750	318463642
45-49 years	1992	243591565	238219094	249511898
50-54 years	1992	216306483	211736303	221412214
55-59 years	1992	191103916	186904580	195773018
60-64 years	1992	166298016	162810708	170264312
65-69 years	1992	131286171	128612876	134289703
70-74 years	1992	91404862	89503927	93433926
75-79 years	1992	61751840	60541661	63043811
80-84 years	1992	37507009	36815648	38211330
85-89 years	1992	16564525	16275524	16865238
90-94 years	1992	4843764	4752904	4933591
95+ years	1992	1108169	1083917	1131703
Total	1992	3724646067	3641313143	3814576316
15-19 years	1993	517308029	505373622	529613219
20-24 years	1993	503144509	490689284	516244742
25-29 years	1993	474777318	462285231	487916391
30-34 years	1993	411338279	401597542	421472814
35-39 years	1993	373309814	364114885	383132152
40-44 years	1993	321865700	313915031	330432662
45-49 years	1993	252553515	246595663	259005354
50-54 years	1993	217241047	212354246	222573886
55-59 years	1993	194246045	189769386	199172100
60-64 years	1993	168255823	164410234	172466573
65-69 years	1993	135141884	132175521	138437337
70-74 years	1993	95390014	93315810	97571736
75-79 years	1993	61662095	60314452	63051279
80-84 years	1993	38570727	37805711	39344384
85-89 years	1993	17209646	16885131	17541350
90-94 years	1993	5154551	5051005	5256816
95+ years	1993	1156853	1129038	1182924
Total	1993	3788325848	3697781790	3884415720
15-19 years	1994	519239610	506764103	532451288
20-24 years	1994	504292345	491026830	518401301
25-29 years	1994	480314260	467027254	494816772
30-34 years	1994	425652299	414633735	437634256
35-39 years	1994	376473676	366777842	386916275
40-44 years	1994	330818898	322078983	340555069
45-49 years	1994	265230770	258489817	272738065

50-54 years	1994	218149042	212792027	224038567
55-59 years	1994	197003771	192097662	202463297
60-64 years	1994	169914554	165703505	174579441
65-69 years	1994	138844403	135525580	142554869
70-74 years	1994	99207618	96973337	101692482
75-79 years	1994	62205838	60754875	63751806
80-84 years	1994	39445602	38618544	40285717
85-89 years	1994	17839978	17493742	18197320
90-94 years	1994	5473774	5363061	5585602
95+ years	1994	1211025	1182826	1239013
Total	1994	3851317461	3753303723	3957901140
15-19 years	1995	523594826	510425708	537543655
20-24 years	1995	504445556	490577194	519370302
25-29 years	1995	484649609	470140528	499919144
30-34 years	1995	439746808	427182729	452990108
35-39 years	1995	379502375	369512990	390260370
40-44 years	1995	343378568	333482648	354166356
45-49 years	1995	275592318	268225984	283727139
50-54 years	1995	218767487	213017686	225013055
55-59 years	1995	199545803	194343682	205356720
60-64 years	1995	171790716	167180783	176842827
65-69 years	1995	142008434	138463035	145982780
70-74 years	1995	102693526	100177341	105482985
75-79 years	1995	63806210	62230097	65512919
80-84 years	1995	40080289	39186502	41028067
85-89 years	1995	18423094	18044943	18825206
90-94 years	1995	5787521	5662818	5915499
95+ years	1995	1280261	1246680	1313014
Total	1995	3915093403	3809101349	4029250147
15-19 years	1996	529823063	516617676	543678169
20-24 years	1996	503870796	490437890	518269219
25-29 years	1996	489097095	475199361	504119283
30-34 years	1996	452012934	439166948	465905155
35-39 years	1996	384584619	374644207	395276608
40-44 years	1996	351109627	341272916	361957513
45-49 years	1996	288704234	281210817	297213109
50-54 years	1996	221628602	215857326	227945441
55-59 years	1996	201345881	196209508	206989520
60-64 years	1996	174300190	169764119	179355148
65-69 years	1996	144863890	141284168	148918034
70-74 years	1996	105970261	103479499	108787531

75-79 years	1996	66328465	64746098	68008287
80-84 years	1996	40266498	39377484	41204867
85-89 years	1996	19043761	18660647	19449835
90-94 years	1996	6081446	5954460	6212572
95+ years	1996	1369146	1335871	1402078
Total	1996	3980400511	3875218995	4094692370
15-19 years	1997	537487841	524652096	550830659
20-24 years	1997	503203357	490339633	516213063
25-29 years	1997	492738284	479154026	506770274
30-34 years	1997	462274858	449249184	475632340
35-39 years	1997	393026683	383099398	403289637
40-44 years	1997	357515200	347812285	367586051
45-49 years	1997	298073400	290352767	306393044
50-54 years	1997	229578011	223828468	235797719
55-59 years	1997	202410909	197516062	207738724
60-64 years	1997	177507785	173142139	182291678
65-69 years	1997	146974994	143448099	150801759
70-74 years	1997	109343979	106855699	112011878
75-79 years	1997	69352393	67784819	70994717
80-84 years	1997	40346262	39475990	41248649
85-89 years	1997	19652552	19267498	20046434
90-94 years	1997	6407794	6281542	6534378
95+ years	1997	1452953	1421339	1483665
Total	1997	4047347253	3943681043	4155664670
15-19 years	1998	546654361	534565205	559397662
20-24 years	1998	503629787	492279346	515504314
25-29 years	1998	495721140	483603952	508583029
30-34 years	1998	469431359	457293629	482295460
35-39 years	1998	405580835	396050006	415605833
40-44 years	1998	361849185	353094089	371146030
45-49 years	1998	308498974	301063174	316590346
50-54 years	1998	238307902	232837272	244260616
55-59 years	1998	203196414	198703992	208186000
60-64 years	1998	180680519	176615459	185192619
65-69 years	1998	148794512	145529283	152445490
70-74 years	1998	112769851	110405798	115371489
75-79 years	1998	72638798	71146198	74191686
80-84 years	1998	40453043	39613977	41317185
85-89 years	1998	20319783	19944412	20710808
90-94 years	1998	6705581	6582711	6830309
95+ years	1998	1553609	1522128	1584875

Total	1998	4116785656	4020850631	4219213750
15-19 years	1999	557122922	545570042	568799310
20-24 years	1999	506173067	495767266	516794310
25-29 years	1999	497771482	486771181	509518816
30-34 years	1999	474679669	463487336	486448503
35-39 years	1999	420076030	410827146	429781848
40-44 years	1999	364779394	356846348	372995010
45-49 years	1999	316890103	309801201	324499155
50-54 years	1999	250781032	245443234	256642810
55-59 years	1999	204165021	199987343	208758628
60-64 years	1999	183577741	179805941	187765471
65-69 years	1999	150503841	147430622	153919191
70-74 years	1999	116133668	113851823	118645531
75-79 years	1999	75825393	74400008	77342846
80-84 years	1999	41041381	40254828	41867835
85-89 years	1999	20914632	20559677	21293102
90-94 years	1999	7004236	6888920	7125543
95+ years	1999	1662535	1631502	1693057
Total	1999	4189102146	4099324417	4283890965
15-19 years	2000	568797032	557170413	580476365
20-24 years	2000	511025170	500766365	521207390
25-29 years	2000	498746842	488164028	509814410
30-34 years	2000	479100562	468249676	490367439
35-39 years	2000	434357127	424938577	444097158
40-44 years	2000	367832477	360325987	375675329
45-49 years	2000	328965816	321835140	336495896
50-54 years	2000	261120565	255856537	266846595
55-59 years	2000	205047564	200946368	209413764
60-64 years	2000	186331085	182675789	190280418
65-69 years	2000	152556164	149567504	155823223
70-74 years	2000	119117958	116896682	121574410
75-79 years	2000	78780507	77370619	80233190
80-84 years	2000	42441236	41672963	43244765
85-89 years	2000	21393632	21042042	21751973
90-94 years	2000	7289776	7176151	7406446
95+ years	2000	1783051	1752444	1813106
Total	2000	4264686564	4176407284	4356521877
15-19 years	2001	581845640	570270099	593833700
20-24 years	2001	517477441	507430828	527746600
25-29 years	2001	498690155	488338312	509408429
30-34 years	2001	484048275	473201429	495596794

35-39 years	2001	446650187	436717707	457148650
40-44 years	2001	373029737	365569893	380893094
45-49 years	2001	336668739	329282097	344534358
50-54 years	2001	274031668	268317592	280307128
55-59 years	2001	208212653	204012588	212812235
60-64 years	2001	188427282	184817543	192545933
65-69 years	2001	155246816	152172327	158699804
70-74 years	2001	121875275	119604864	124435790
75-79 years	2001	81571515	80100085	83140583
80-84 years	2001	44470745	43665899	45327212
85-89 years	2001	21642463	21263333	22021839
90-94 years	2001	7587695	7466300	7713990
95+ years	2001	1908775	1876311	1941490
Total	2001	4343385062	4254107208	4438107628
15-19 years	2002	594977658	582120632	608302551
20-24 years	2002	525370560	514628456	536545743
25-29 years	2002	498458561	487439771	509992643
30-34 years	2002	488475654	476557097	501183989
35-39 years	2002	456967717	445713782	469219101
40-44 years	2002	381555836	373055718	390351888
45-49 years	2002	343198407	335203350	351999336
50-54 years	2002	283378503	276839194	290456928
55-59 years	2002	216437149	211602027	221695333
60-64 years	2002	189847982	185805278	194298685
65-69 years	2002	158572359	155151468	162345837
70-74 years	2002	124003128	121364445	126808974
75-79 years	2002	84433895	82697361	86291836
80-84 years	2002	46774505	45836555	47786281
85-89 years	2002	21811449	21403258	22239071
90-94 years	2002	7869799	7732372	8018639
95+ years	2002	2040280	2003814	2080273
Total	2002	4424173444	4325154577	4529617108
15-19 years	2003	606682488	592862299	621317543
20-24 years	2003	534767900	523287979	546747187
25-29 years	2003	499214349	487748631	511097544
30-34 years	2003	492330594	479833634	505315699
35-39 years	2003	464324075	452325930	477122740
40-44 years	2003	394112707	384758208	403821539
45-49 years	2003	347827312	339303884	356968436
50-54 years	2003	293821954	286350773	301617752
55-59 years	2003	225455626	219989761	231155157

60-64 years	2003	191124736	186712574	195815311
65-69 years	2003	161862224	158067509	165855967
70-74 years	2003	125909711	123033745	128958252
75-79 years	2003	87349135	85432899	89330926
80-84 years	2003	49186604	48126309	50258960
85-89 years	2003	21983311	21540826	22436162
90-94 years	2003	8168147	8017271	8326966
95+ years	2003	2161713	2119378	2203891
Total	2003	4506282584	4399511610	4618350031
15-19 years	2004	615883401	600665162	631832723
20-24 years	2004	545567777	532818341	558839182
25-29 years	2004	502013548	490028739	514557549
30-34 years	2004	495268641	482072896	509180176
35-39 years	2004	469954599	456970999	483691413
40-44 years	2004	408650640	397958193	419568167
45-49 years	2004	351170444	342250510	360431511
50-54 years	2004	302366759	294381570	310794999
55-59 years	2004	238113287	232190447	244514836
60-64 years	2004	192695822	188073724	197707095
65-69 years	2004	164893410	160861346	169185482
70-74 years	2004	127788259	124743042	131034798
75-79 years	2004	90234396	88156275	92348608
80-84 years	2004	51522221	50404209	52703787
85-89 years	2004	22433590	21959952	22923727
90-94 years	2004	8453719	8294463	8622496
95+ years	2004	2285511	2240203	2330408
Total	2004	4589296024	4474070069	4710266956
15-19 years	2005	621771808	605500925	639352583
20-24 years	2005	557734427	544057379	572618393
25-29 years	2005	507111038	494746896	520374201
30-34 years	2005	497076511	483198657	511842715
35-39 years	2005	474836585	460742426	489874792
40-44 years	2005	423047280	411132595	435840985
45-49 years	2005	354616770	345296480	364634332
50-54 years	2005	314537879	305277967	324312293
55-59 years	2005	248652274	241915648	255967048
60-64 years	2005	194262613	189092512	199891373
65-69 years	2005	167807680	163500029	172446807
70-74 years	2005	130017106	126626857	133668959
75-79 years	2005	92843236	90590625	95254371
80-84 years	2005	53736705	52489221	55050179

85-89 years	2005	23397800	22875837	23951988
90-94 years	2005	8709327	8532519	8899901
95+ years	2005	2411778	2362142	2463022
Total	2005	4672570817	4547938715	4806443942
15-19 years	2006	623563669	606798535	641679774
20-24 years	2006	571463491	556685803	587761165
25-29 years	2006	513740008	500869483	527896204
30-34 years	2006	497827475	483985129	512956155
35-39 years	2006	480258553	466067149	495497978
40-44 years	2006	435485536	422685786	449113689
45-49 years	2006	360112452	350636435	370367890
50-54 years	2006	322549284	313260526	332613517
55-59 years	2006	261576303	254488742	269480358
60-64 years	2006	197945087	192543775	203869072
65-69 years	2006	170237090	165833042	175133094
70-74 years	2006	132855791	129406816	136680289
75-79 years	2006	95382227	93071740	97908501
80-84 years	2006	55886656	54599720	57248225
85-89 years	2006	24751547	24215349	25334415
90-94 years	2006	8897652	8717345	9087384
95+ years	2006	2544617	2494070	2595837
Total	2006	4755077440	4626359446	4895223546
15-19 years	2007	622269327	607130027	638832487
20-24 years	2007	585423169	571105219	600763644
25-29 years	2007	521732624	509531349	534893786
30-34 years	2007	498283381	485753952	512161638
35-39 years	2007	485131006	471989296	499345549
40-44 years	2007	446052087	433820116	459151780
45-49 years	2007	368877497	359780966	378672057
50-54 years	2007	329390624	320667780	338930549
55-59 years	2007	270959057	264093121	278701251
60-64 years	2007	206519392	201248832	212382815
65-69 years	2007	172127472	168009912	176756748
70-74 years	2007	136266565	132985066	139915540
75-79 years	2007	97547783	95322564	100011867
80-84 years	2007	58153302	56923466	59465932
85-89 years	2007	26292040	25756708	26867072
90-94 years	2007	9071543	8895253	9256378
95+ years	2007	2680519	2631311	2733945
Total	2007	4836777387	4715644940	4968843040
15-19 years	2008	619025736	604957373	634164851

20-24 years	2008	598293158	584974135	612859740
25-29 years	2008	531413324	519974737	543752378
30-34 years	2008	499723960	488621198	511939274
35-39 years	2008	489448370	477634524	502200664
40-44 years	2008	453756649	442405357	465840294
45-49 years	2008	381654490	372940976	390967807
50-54 years	2008	334351165	326469287	342932593
55-59 years	2008	281391129	274683045	288673245
60-64 years	2008	215704291	210753523	221219742
65-69 years	2008	173957866	170110452	178248816
70-74 years	2008	139624354	136533847	143035902
75-79 years	2008	99590939	97476422	101884176
80-84 years	2008	60463968	59276473	61728492
85-89 years	2008	27883275	27362627	28421974
90-94 years	2008	9265863	9091539	9441807
95+ years	2008	2825095	2775173	2876790
Total	2008	4918373631	4806040687	5040188547
15-19 years	2009	614712394	601739950	628146599
20-24 years	2009	608637695	595661178	622086121
25-29 years	2009	542516841	531375109	553700319
30-34 years	2009	503098568	492813741	513779302
35-39 years	2009	492801486	481968776	504544597
40-44 years	2009	459734673	449205874	470899333
45-49 years	2009	396380281	387890422	405545425
50-54 years	2009	338025348	330802425	345785804
55-59 years	2009	289990711	283522623	296930816
60-64 years	2009	228261686	223352785	233565263
65-69 years	2009	176048857	172442091	180008631
70-74 years	2009	142728644	139924744	145791307
75-79 years	2009	101661140	99689028	103809503
80-84 years	2009	62740669	61607193	63936024
85-89 years	2009	29443981	28930165	29978934
90-94 years	2009	9604404	9437436	9781095
95+ years	2009	2978278	2928900	3029631
Total	2009	4999365656	4893292441	5111318704
15-19 years	2010	609950128	597742864	622497415
20-24 years	2010	614620886	602213327	627317050
25-29 years	2010	554462121	543651111	565442349
30-34 years	2010	508260908	498471357	518499786
35-39 years	2010	494751856	484749011	505376059
40-44 years	2010	464822244	455017846	475320249

45-49 years	2010	410903514	402339502	419924990
50-54 years	2010	341763284	335092370	348691788
55-59 years	2010	302127746	295901468	308953987
60-64 years	2010	238616758	233849171	243811096
65-69 years	2010	178040130	174608905	181790686
70-74 years	2010	145726902	143011228	148725670
75-79 years	2010	104021646	102117680	106140146
80-84 years	2010	64830074	63736956	66010189
85-89 years	2010	30934340	30454700	31434939
90-94 years	2010	10204486	10044999	10374833
95+ years	2010	3127375	3078672	3176769
Total	2010	5077164399	4976081168	5183488001
15-19 years	2011	606360611	594589784	618393909
20-24 years	2011	615726483	603115468	628892047
25-29 years	2011	567548935	556420781	579130944
30-34 years	2011	514464783	504450801	524811000
35-39 years	2011	495348280	485070297	506462253
40-44 years	2011	470305669	459925235	481606765
45-49 years	2011	423380625	414020665	433742122
50-54 years	2011	347447633	340493648	355102913
55-59 years	2011	310125206	303184929	317734731
60-64 years	2011	251284540	245956095	257211985
65-69 years	2011	181854614	178060294	186002441
70-74 years	2011	148300604	145376158	151581145
75-79 years	2011	106781640	104647749	109151147
80-84 years	2011	66890106	65715663	68245308
85-89 years	2011	32316717	31764641	32905234
90-94 years	2011	10936829	10755212	11128705
95+ years	2011	3254695	3203231	3309717
Total	2011	5152327970	5046750653	5265412370
15-19 years	2012	604266521	591411844	617402115
20-24 years	2012	613674305	600374772	627668701
25-29 years	2012	580775574	568198988	594004777
30-34 years	2012	521925037	511213403	533322816
35-39 years	2012	495552674	484804822	507392497
40-44 years	2012	475184702	463813389	487051420
45-49 years	2012	434023175	423321215	445391063
50-54 years	2012	356296207	348513904	364683654
55-59 years	2012	316927809	309260272	325166628
60-64 years	2012	260451575	254468569	267068021
65-69 years	2012	190244638	185952033	194938143

70-74 years	2012	150343752	147134402	153910369
75-79 years	2012	109942284	107625897	112541782
80-84 years	2012	68689663	67316209	70150578
85-89 years	2012	33792349	33156325	34479128
90-94 years	2012	11721069	11502064	11952117
95+ years	2012	3375641	3315010	3439849
Total	2012	5227186975	5111383116	5350563660
15-19 years	2013	603076397	589798159	616798080
20-24 years	2013	609699773	595605479	624259277
25-29 years	2013	592435348	578582480	606703744
30-34 years	2013	530850776	519103845	543127061
35-39 years	2013	496534600	484987312	508729164
40-44 years	2013	479400156	467308398	492483352
45-49 years	2013	441784269	429871237	454538635
50-54 years	2013	369048911	360356127	378695166
55-59 years	2013	321855346	313603562	330706164
60-64 years	2013	270572885	263632746	278226459
65-69 years	2013	199111566	194282808	204548746
70-74 years	2013	152368609	148851179	156378756
75-79 years	2013	113064927	110490398	115982492
80-84 years	2013	70444838	68944447	72113227
85-89 years	2013	35296189	34573464	36049197
90-94 years	2013	12492317	12246555	12751341
95+ years	2013	3497853	3429528	3571209
Total	2013	5301534761	5175667726	5435662070
15-19 years	2014	602502881	588109034	617349617
20-24 years	2014	604844180	589957271	620129591
25-29 years	2014	601270294	585972852	617147187
30-34 years	2014	541087888	527976730	554517928
35-39 years	2014	499330325	486958232	511976315
40-44 years	2014	482564362	469552796	496063990
45-49 years	2014	447768355	434981387	461224471
50-54 years	2014	383650184	373578346	394355495
55-59 years	2014	325504790	317094535	334527356
60-64 years	2014	278902060	271158911	287089227
65-69 years	2014	211131041	205459258	217115977
70-74 years	2014	154666522	150713198	158846553
75-79 years	2014	115953636	113078236	119020213
80-84 years	2014	72216011	70521616	74012523
85-89 years	2014	36738727	35953366	37552609
90-94 years	2014	13207653	12936911	13485561

95+ years	2014	3646107	3569978	3722876
Total	2014	5374985017	5237572657	5518137488
15-19 years	2015	602739088	587575012	618474921
20-24 years	2015	600149228	584819259	616537683
25-29 years	2015	606445316	590068520	623384277
30-34 years	2015	552649257	538325776	567362258
35-39 years	2015	504246657	491321835	517839599
40-44 years	2015	484461088	470871193	498698642
45-49 years	2015	452937041	439260005	467111066
50-54 years	2015	398041151	386318696	410319055
55-59 years	2015	329208085	320372956	338655869
60-64 years	2015	290535287	281839047	299753471
65-69 years	2015	220972047	214662323	227610691
70-74 years	2015	156861725	152517102	161474687
75-79 years	2015	118780057	115644895	122093087
80-84 years	2015	74231527	72298043	76202223
85-89 years	2015	38073226	37221433	38949391
90-94 years	2015	13891262	13594453	14194408
95+ years	2015	3874883	3791287	3956932
Total	2015	5448096924	5300501835	5602618261
15-19 years	2016	603580125	587665290	619642224
20-24 years	2016	597052243	581576923	612922765
25-29 years	2016	607160027	590908633	623663527
30-34 years	2016	565703744	550873795	580896709
35-39 years	2016	510427292	497390934	523928994
40-44 years	2016	485119767	471974613	498856232
45-49 years	2016	458610673	445263725	472455154
50-54 years	2016	410405422	398582227	422937726
55-59 years	2016	334815009	326027348	344097964
60-64 years	2016	298107194	289582079	307257077
65-69 years	2016	233016893	226672896	239964749
70-74 years	2016	160629109	156318247	165284559
75-79 years	2016	121320545	118311817	124673094
80-84 years	2016	76577010	74686662	78586723
85-89 years	2016	39448835	38600593	40340181
90-94 years	2016	14568280	14261728	14879274
95+ years	2016	4131509	4049311	4218301
Total	2016	5520673679	5372746820	5674605254
15-19 years	2017	605193443	589158418	622315223
20-24 years	2017	595480749	579944171	612465442
25-29 years	2017	604731282	588608774	622078626

30-34 years	2017	578817474	563504980	595328524
35-39 years	2017	517782480	504531281	532225147
40-44 years	2017	485372751	472424861	499251048
45-49 years	2017	463630995	450528594	477603839
50-54 years	2017	420960618	408831747	433816270
55-59 years	2017	343469603	334455917	353064090
60-64 years	2017	304485987	295977329	313684723
65-69 years	2017	241727275	235212294	249040125
70-74 years	2017	168505837	164043686	173430226
75-79 years	2017	123416368	120268845	126807571
80-84 years	2017	79205796	77303764	81276811
85-89 years	2017	40673020	39790469	41622330
90-94 years	2017	15285198	14959838	15623840
95+ years	2017	4396913	4305343	4491350
Total	2017	5593135789	5443850311	5754125185
15-19 years	2018	607935331	591436058	624709846
20-24 years	2018	594837159	578846611	611449481
25-29 years	2018	600498512	584379518	617046795
30-34 years	2018	590341040	574233104	606800175
35-39 years	2018	526565910	512631971	540580522
40-44 years	2018	486382760	473766958	499510301
45-49 years	2018	467961541	455463816	481292448
50-54 years	2018	428680253	417121970	441181380
55-59 years	2018	355923529	346971486	365479906
60-64 years	2018	309019455	300913674	317891234
65-69 years	2018	251242945	244671758	258449265
70-74 years	2018	176655967	172346427	181518463
75-79 years	2018	125472909	122487780	128771043
80-84 years	2018	81794977	79978589	83832772
85-89 years	2018	41922846	41049528	42859721
90-94 years	2018	16043812	15718442	16385247
95+ years	2018	4666218	4572675	4765207
Total	2018	5665945163	5516590363	5822523806
15-19 years	2019	611964864	595122108	629967521
20-24 years	2019	594924367	578481386	612429633
25-29 years	2019	595610151	579466824	612928455
30-34 years	2019	599062598	582696098	616412942
35-39 years	2019	536692305	522202108	551699867
40-44 years	2019	489246750	476405396	502927671
45-49 years	2019	471230258	458627741	484642792
50-54 years	2019	434648511	422916529	447139439

55-59 years	2019	370192263	360657058	380300741
60-64 years	2019	312308385	304285555	320826118
65-69 years	2019	259038664	252183887	266359371
70-74 years	2019	187569520	182855964	192710445
75-79 years	2019	127669776	124647053	131021407
80-84 years	2019	84197083	82309362	86308152
85-89 years	2019	43277839	42376682	44241645
90-94 years	2019	16820238	16485632	17172133
95+ years	2019	4952025	4856590	5053133
Total	2019	5739405597	5586575973	5902141465
15-19 years	2020	617182562	598950027	635770419
20-24 years	2020	595839341	578330360	613970557
25-29 years	2020	591051881	574613718	608315605
30-34 years	2020	604034936	587160087	621671941
35-39 years	2020	548078541	532996885	563747398
40-44 years	2020	494192164	480850791	508129248
45-49 years	2020	473085416	460451940	486364826
50-54 years	2020	439653643	427815525	452165067
55-59 years	2020	384108080	374275278	394477792
60-64 years	2020	315441703	307515757	323885562
65-69 years	2020	269557352	262438621	277151167
70-74 years	2020	196046223	191217039	201356459
75-79 years	2020	129360401	126321054	132710043
80-84 years	2020	86243045	84320927	88368994
85-89 years	2020	44592974	43687130	45589929
90-94 years	2020	17441307	17101457	17797992
95+ years	2020	5228020	5128987	5329571
Total	2020	5811137590	5653175584	5976802570
15-19 years	2021	623979871	604617205	644251986
20-24 years	2021	597158138	578749000	616901307
25-29 years	2021	588343219	570487097	607422119
30-34 years	2021	604480175	586195015	623603836
35-39 years	2021	560866106	544251815	578297965
40-44 years	2021	500250796	485928431	515432478
45-49 years	2021	473504626	460213136	487919674
50-54 years	2021	444922983	432300957	458714304
55-59 years	2021	395728004	384764582	407669300
60-64 years	2021	320047853	311524380	329387624
65-69 years	2021	275842159	268116931	284217678
70-74 years	2021	205839220	200406729	211972020
75-79 years	2021	131884405	128518633	135613447

80-84 years	2021	87583057	85481848	89948888
85-89 years	2021	45721791	44709231	46852863
90-94 years	2021	17889374	17518671	18289317
95+ years	2021	5450309	5337366	5569993
Total	2021	5879492084	5709121028	6062064800

Supplementary Table S3. The incidence, mortality and DALYs of EOEC, MOEC and LOEC in 1990.

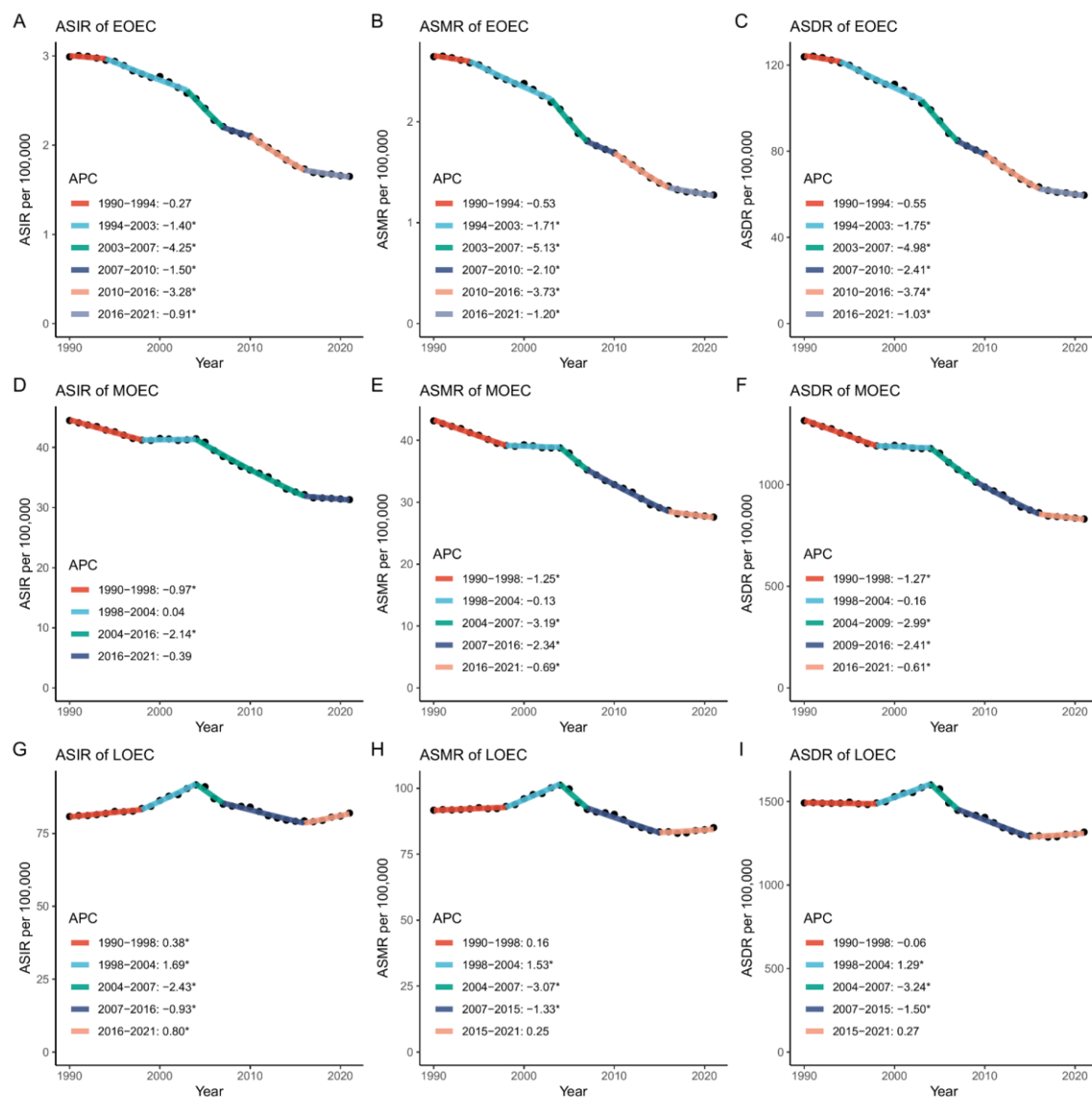
Group	Incidence		Mortality		DALYs	
	Cases (95%UI), 1990	ASIR (95% UI), 1990	Cases (95%UI), 1990	ASMR (95% UI), 1990	Cases (95%UI), 1990	ASDR (95% UI), 1990
EOEC						
Global	41836 (37358, 46793)	1.95 (1.73, 2.19)	36654 (32699, 40984)	1.71 (1.52, 1.92)	1745986 (1558868, 1952749)	80.33 (71.24, 90.44)
Gender						
Male	32603 (28703, 37403)	2.99 (2.62, 3.44)	28787 (25327, 33029)	2.64 (2.31, 3.05)	1364736 (1202187, 1566986)	123.83 (108.04, 142.83)
Female	9233 (6239, 10622)	0.87 (0.58, 1.01)	7867 (5335, 9010)	0.74 (0.49, 0.85)	381250 (259384, 436640)	35.14 (23.58, 40.59)
SDI Levels						
Low SDI	2095 (1714, 2402)	1.35 (1.1, 1.57)	1940 (1586, 2226)	1.25 (1.02, 1.46)	92895 (75754, 106527)	58.8 (47.76, 68.5)
Low-middle SDI	4014 (3620, 4577)	0.97 (0.86, 1.13)	3694 (3334, 4231)	0.9 (0.79, 1.04)	178363 (160816, 203796)	42.52 (37.54, 49.21)
Middle SDI	18363 (15561, 21835)	2.76 (2.29, 3.26)	16278 (13848, 19346)	2.45 (2.04, 2.9)	778407 (663905, 923599)	115.42 (95.89, 136.19)
High-middle SDI	12874 (11116, 14728)	2.78 (2.36, 3.26)	11312 (9776, 12972)	2.45 (2.08, 2.88)	536283 (463718, 614408)	114.53 (97.09, 134.71)
High SDI	4474 (4340, 4623)	1 (0.96, 1.04)	3415 (3316, 3538)	0.76 (0.73, 0.8)	159336 (154891, 164866)	35.29 (33.77, 36.92)
GBD Regions						
High-income Asia Pacific	832 (780, 898)	0.85 (0.78, 0.92)	546 (508, 594)	0.56 (0.51, 0.61)	25081 (23355, 27220)	25.54 (23.39, 28.26)
Central Asia	531 (499, 562)	2.35 (2.2, 2.5)	489 (459, 517)	2.17 (2.02, 2.31)	23844 (22400, 25263)	102.36 (95.48, 109.16)
Southeast Asia	1069 (853, 1277)	0.62 (0.49, 0.76)	965 (769, 1154)	0.56 (0.45, 0.68)	47060 (37310, 56030)	26.74 (21.12, 32.48)
East Asia	25806 (21466, 30622)	5 (4.11, 5.99)	22716 (18859, 26960)	4.41 (3.64, 5.29)	1081965 (900793, 1280870)	206.68 (170.49, 247.64)
Central Europe	493 (468, 521)	0.82 (0.76, 0.87)	448 (425, 473)	0.74 (0.7, 0.79)	20789 (19734, 21929)	34.22 (32.14, 36.6)
Eastern Europe	1010 (974, 1052)	1.03 (0.98, 1.1)	877 (846, 912)	0.9 (0.85, 0.95)	40403 (39004, 41910)	40.99 (38.9, 43.39)
North Africa and Middle East	606 (439, 711)	1.07 (0.77, 1.29)	549 (398, 647)	0.97 (0.7, 1.17)	26708 (19309, 31389)	46.19 (33.2, 55.83)
Australasia	53 (48, 59)	0.51 (0.44, 0.59)	42 (38, 46)	0.4 (0.35, 0.47)	1968 (1811, 2157)	18.89 (16.27, 21.96)
Western Europe	2161 (2062, 2254)	1.11 (1.03, 1.18)	1712 (1636, 1787)	0.88 (0.82, 0.94)	79424 (76006, 82746)	40.66 (37.89, 43.53)
Andean Latin America	44 (38, 50)	0.32 (0.26, 0.38)	40 (35, 45)	0.29 (0.24, 0.35)	1975 (1717, 2238)	14.06 (11.67, 16.96)
Caribbean	103 (93, 113)	0.74 (0.65, 0.83)	92 (83, 101)	0.66 (0.58, 0.75)	4366 (3933, 4780)	30.83 (26.98, 35.04)
High-income North America	1086 (1066, 1107)	0.76 (0.74, 0.78)	789 (773, 803)	0.56 (0.54, 0.57)	37129 (36427, 37765)	25.96 (25.25, 26.66)
Western Sub-Saharan Africa	255 (198, 321)	0.44 (0.34, 0.55)	237 (184, 299)	0.4 (0.31, 0.51)	11208 (8702, 14130)	18.82 (14.59, 23.78)
South Asia	4068 (3627, 4876)	1.99 (1.75, 2.4)	3748 (3335, 4506)	1.84 (1.61, 2.23)	181086 (161547, 217671)	87.16 (76.19, 105.74)
Oceania	10 (7, 13)	0.42 (0.28, 0.61)	9 (6, 12)	0.38 (0.25, 0.55)	436 (308, 599)	18.22 (12.15, 26.73)
Central Sub-Saharan Africa	313 (213, 415)	2 (1.3, 2.8)	291 (198, 388)	1.86 (1.21, 2.62)	13820 (9323, 18352)	86.46 (56.02, 121.99)
Central Latin America	252 (245, 261)	0.43 (0.41, 0.45)	229 (222, 236)	0.39 (0.37, 0.41)	11400 (11096, 11774)	18.84 (17.84, 19.94)
Southern Latin America	226 (209, 249)	1.04 (0.91, 1.19)	202 (186, 222)	0.92 (0.81, 1.06)	9478 (8786, 10374)	43.11 (37.92, 49.47)
Tropical Latin America	906 (868, 947)	1.55 (1.45, 1.66)	825 (790, 862)	1.41 (1.32, 1.51)	39036 (37447, 40696)	65.91 (61.76, 70.34)
Eastern Sub-Saharan Africa	1356 (1049, 1601)	2.54 (1.99, 3.05)	1255 (968, 1482)	2.35 (1.84, 2.83)	60068 (46335, 70815)	110.14 (86.08, 132.68)
Southern Sub-Saharan Africa	656 (582, 736)	3.71 (3.2, 4.29)	595 (526, 670)	3.37 (2.92, 3.91)	28741 (25456, 32413)	159.83 (137.82, 185.42)
MOEC						
Global	201233 (178980, 222643)	29.61 (26.06, 32.93)	194397 (172964, 215358)	28.62 (25.17, 31.86)	5934577 (5277253, 6566551)	871.59 (768.14, 970.67)

Gender						
Male	147568 (130487, 167158)	44.48 (39.14, 50.82)	142953 (126368, 161775)	43.16 (37.95, 49.26)	4391898 (3871421, 4970002)	1315.61 (1156.9, 1502.6)
Female	53664 (35207, 63660)	15.42 (10.01, 18.39)	51444 (33562, 61038)	14.77 (9.54, 17.61)	1542679 (1006750, 1829111)	443.9 (286.76, 528.62)
SDI Levels						
Low SDI	9332 (7711, 10542)	22.78 (18.78, 25.89)	9373 (7778, 10584)	22.94 (18.92, 26.09)	289468 (240007, 326143)	699.59 (576.54, 795.92)
Low-middle SDI	14709 (13323, 17054)	13.46 (11.98, 15.65)	14703 (13339, 17085)	13.49 (12.03, 15.68)	456167 (413363, 529016)	413.03 (368.44, 480.84)
Middle SDI	83175 (69289, 97138)	44.91 (36.71, 52.77)	81743 (67906, 95270)	44.24 (36.25, 51.92)	2493477 (2074273, 2913981)	1335.59 (1098.07, 1569.16)
High-middle SDI	64024 (55885, 72106)	36.74 (31.78, 41.86)	62518 (54622, 70257)	35.88 (31.02, 40.88)	1911141 (1666671, 2145277)	1096.33 (946.15, 1251.37)
High SDI	29910 (29192, 30635)	17.74 (17.11, 18.37)	25979 (25338, 26601)	15.37 (14.81, 15.94)	781835 (761774, 801998)	468.38 (451.16, 486.39)
GBD Regions						
High-income Asia Pacific	7095 (6813, 7412)	20.83 (19.57, 22.18)	5197 (4975, 5453)	15.27 (14.34, 16.36)	158603 (151758, 166873)	464.58 (435.27, 498.19)
Central Asia	3491 (3336, 3650)	41.71 (39.15, 44.33)	3497 (3339, 3655)	41.97 (39.38, 44.62)	107362 (102549, 112097)	1264.52 (1186.24, 1345.22)
Southeast Asia	4057 (3384, 4843)	8.83 (7.22, 10.65)	4014 (3338, 4776)	8.76 (7.16, 10.56)	124237 (103495, 148540)	267.39 (218.15, 322.14)
East Asia	121664 (99753, 143351)	76.8 (62.33, 90.81)	119223 (98353, 140256)	75.35 (61.43, 89.04)	3629012 (2991848, 4278035)	2281.35 (1862.77, 2700.94)
Central Europe	2572 (2467, 2695)	9.87 (9.35, 10.43)	2549 (2449, 2667)	9.76 (9.25, 10.31)	78728 (75519, 82369)	304.95 (288.97, 322.03)
Eastern Europe	7900 (7722, 8110)	15.89 (15.28, 16.58)	7614 (7445, 7807)	15.32 (14.75, 15.97)	237274 (232191, 243534)	476.44 (458.48, 497.38)
North Africa and Middle East	2405 (1903, 2790)	15.8 (12.39, 18.47)	2396 (1898, 2786)	15.78 (12.4, 18.5)	73276 (57621, 85258)	476.95 (373.59, 560.27)
Australasia	483 (450, 514)	13.21 (11.7, 14.76)	437 (407, 467)	11.93 (10.56, 13.36)	12695 (11841, 13537)	352.39 (311.26, 394.99)
Western Europe	13609 (13205, 14001)	15.96 (15.16, 16.83)	12469 (12103, 12842)	14.56 (13.83, 15.34)	375782 (364492, 386593)	446.21 (423.75, 471.05)
Andean Latin America	168 (143, 198)	5.02 (4.14, 6)	169 (144, 199)	5.06 (4.17, 6.09)	5075 (4339, 5954)	149.73 (123.63, 179.95)
Caribbean	480 (444, 520)	11.6 (10.38, 12.97)	473 (437, 513)	11.45 (10.23, 12.78)	14334 (13248, 15541)	346.72 (309.33, 387.83)
High-income North America	7010 (6845, 7143)	14 (13.54, 14.42)	6084 (5945, 6200)	12.09 (11.69, 12.45)	180001 (175946, 183294)	365.48 (353.56, 376.48)
Western Sub-Saharan Africa	1319 (1058, 1648)	8.63 (6.92, 10.76)	1327 (1065, 1656)	8.7 (6.98, 10.84)	40609 (32567, 50815)	263.54 (211.06, 329.27)
South Asia	13700 (12215, 16579)	26.17 (22.92, 31.65)	13692 (12191, 16612)	26.24 (22.98, 31.82)	426843 (381559, 519497)	805.57 (706.11, 979.89)
Oceania	36 (27, 49)	6.51 (4.62, 9.19)	36 (27, 49)	6.52 (4.66, 9.19)	1103 (826, 1503)	197.05 (140.48, 278.71)
Central Sub-Saharan Africa	1558 (1118, 2004)	36.16 (25.46, 48.07)	1566 (1123, 2033)	36.46 (25.7, 48.59)	48541 (34472, 62957)	1113.04 (779.89, 1484.62)
Central Latin America	911 (884, 938)	6.58 (6.25, 6.96)	909 (882, 937)	6.58 (6.25, 6.95)	27426 (26636, 28274)	196.21 (186.3, 207.34)
Southern Latin America	1539 (1445, 1634)	20.24 (18.06, 22.67)	1519 (1426, 1610)	19.96 (17.85, 22.4)	45566 (42836, 48296)	601.46 (537.21, 676.17)
Tropical Latin America	3413 (3288, 3524)	21.58 (20.32, 22.84)	3387 (3260, 3500)	21.46 (20.22, 22.7)	105249 (101515, 108758)	660.97 (622.73, 699.1)
Eastern Sub-Saharan Africa	6211 (5065, 7171)	46.51 (37.71, 54.27)	6238 (5076, 7195)	46.84 (38.01, 54.68)	192530 (157270, 221776)	1427.57 (1156.85, 1665.79)
Southern Sub-Saharan Africa	1614 (1426, 1874)	34.92 (30.17, 41.14)	1602 (1414, 1869)	34.73 (30.01, 41.01)	50329 (44459, 58666)	1082.68 (937.26, 1275.71)
MOEC						
Global	111662 (98872, 121298)	54.93 (48.32, 60.19)	125212 (110822, 135859)	62.03 (54.47, 67.96)	2073004 (1836259, 2259482)	1009 (886.66, 1108.97)
Gender						
Male	67603 (61225, 74570)	80.8 (72.27, 89.57)	75622 (68523, 83515)	91.65 (81.85, 101.45)	1278319 (1153417, 1420448)	1491.63 (1328.87, 1662.18)
Female	44059 (33226, 50114)	36.88 (27.13, 42.25)	49590 (37305, 56403)	41.64 (30.52, 47.71)	794685 (584997, 908549)	663.65 (477.46, 763.77)
SDI Levels						
Low SDI	3878 (3249, 4344)	41.32 (34.33, 47.19)	4515 (3794, 5065)	49.18 (40.85, 56.15)	77775 (65463, 87286)	794.56 (662.46, 904.25)
Low-middle SDI	6603 (5838, 7664)	25.26 (22.04, 29.63)	7744 (6861, 8994)	30.11 (26.24, 35.44)	128581 (113855, 149740)	478.27 (418.57, 561.88)

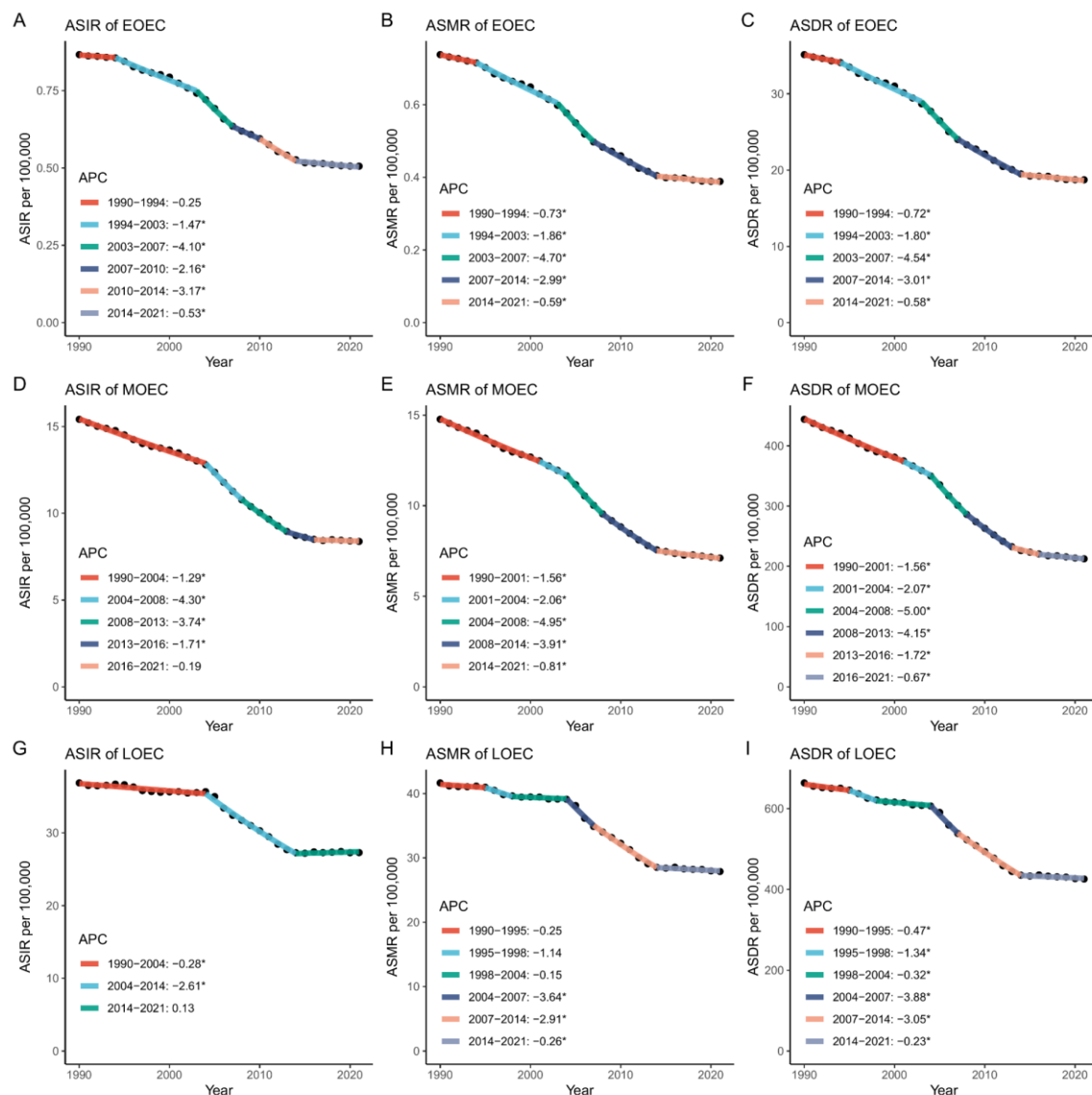
Middle SDI	41550 (34632, 47417)	89.2 (73.77, 102.41)	47547 (39696, 54109)	103.74 (85.93, 118.85)	811819 (676285, 927707)	1695.43 (1401.31, 1949.84)
High-middle SDI	35369 (30775, 39168)	68.44 (58.55, 76.95)	40501 (35283, 44747)	78.96 (67.49, 88.63)	669255 (585129, 741971)	1284.69 (1097.25, 1444.94)
High SDI	24212 (22376, 25075)	34.85 (32.16, 36.46)	24846 (23004, 25759)	35.69 (33.02, 37.36)	384666 (361061, 398214)	559.28 (523.57, 583.55)
GBD Regions						
High-income Asia Pacific	5353 (4962, 5601)	47.5 (43.4, 50.59)	4561 (4232, 4785)	40.81 (37.23, 43.29)	72044 (67423, 75645)	636.7 (587.33, 673.87)
Central Asia	1929 (1799, 2053)	85.31 (78.03, 92.18)	2294 (2136, 2445)	101.06 (92.3, 109.21)	36306 (34056, 38529)	1629.2 (1497.65, 1756.24)
Southeast Asia	1831 (1546, 2137)	16.74 (13.84, 19.92)	2130 (1804, 2485)	19.7 (16.27, 23.33)	35271 (29900, 41194)	315.7 (260.92, 373.5)
East Asia	63218 (52165, 72167)	163.39 (132.91, 187.42)	72034 (59621, 82215)	191.26 (155.34, 219.13)	1231228 (1019198, 1412282)	3042.69 (2474.31, 3497.96)
Central Europe	1254 (1189, 1306)	15.62 (14.64, 16.46)	1484 (1407, 1546)	18.59 (17.41, 19.59)	22953 (21855, 23875)	286.78 (269.55, 301.75)
Eastern Europe	3485 (3335, 3586)	22.72 (21.48, 23.69)	3979 (3811, 4088)	26.03 (24.64, 27.13)	63262 (60814, 65084)	413.77 (393.74, 430.55)
North Africa and Middle East	1296 (1071, 1472)	36.53 (29.85, 42.66)	1521 (1257, 1725)	43.57 (35.56, 50.95)	24902 (20612, 28404)	680.54 (556.14, 793.67)
Australasia	519 (475, 557)	35.7 (31.17, 40.22)	542 (498, 581)	37.51 (32.76, 42.25)	8385 (7774, 9024)	574.59 (505.17, 645.26)
Western Europe	11849 (10931, 12280)	31.25 (28.84, 32.85)	13108 (12086, 13588)	34.42 (31.72, 36.24)	195941 (182895, 202716)	526.26 (490.42, 551.84)
Andean Latin America	174 (153, 197)	16.99 (14.19, 20.27)	209 (184, 236)	20.51 (17.14, 24.48)	3187 (2800, 3620)	311.87 (261.08, 372.54)
Caribbean	419 (393, 445)	28.67 (25.96, 31.45)	492 (463, 522)	34.01 (30.8, 37.4)	7549 (7085, 8030)	511.95 (464.7, 562.91)
High-income North America	6021 (5519, 6262)	25.88 (23.72, 27.19)	6054 (5554, 6298)	25.95 (23.75, 27.27)	95344 (88605, 98990)	413.21 (383.76, 432.18)
Western Sub-Saharan Africa	731 (605, 860)	18.18 (14.95, 21.42)	858 (711, 1009)	21.68 (17.88, 25.57)	14398 (11882, 16972)	347.22 (285.54, 409.89)
South Asia	5454 (4658, 6649)	46.49 (39.01, 57.49)	6387 (5455, 7806)	55.39 (46.35, 68.86)	106843 (91598, 130729)	883.06 (742.33, 1095.34)
Oceania	14 (11, 18)	14.67 (11.11, 19.6)	17 (13, 21)	17.75 (13.52, 23.72)	285 (222, 370)	271.7 (206.98, 361.55)
Central Sub-Saharan Africa	531 (409, 670)	65.93 (48.1, 86.49)	614 (471, 782)	78.86 (57.48, 104.22)	10830 (8217, 13851)	1262.53 (921.84, 1654.7)
Central Latin America	870 (816, 905)	21.92 (20.28, 23.29)	1043 (978, 1084)	26.52 (24.52, 28.18)	15817 (14970, 16434)	393.64 (366.12, 417.71)
Southern Latin America	1510 (1403, 1607)	57.83 (51.07, 64.42)	1780 (1656, 1894)	68.7 (60.54, 76.63)	27289 (25393, 29224)	1034.01 (916.86, 1152.26)
Tropical Latin America	1771 (1646, 1857)	41.32 (37.6, 44.07)	2085 (1940, 2186)	49.38 (44.86, 52.74)	33438 (31357, 35016)	761.09 (698.67, 810.78)
Eastern Sub-Saharan Africa	2604 (2165, 2993)	84.16 (68.75, 98.43)	3030 (2513, 3477)	100.47 (82.06, 117.76)	52272 (43453, 60264)	1608.41 (1320.24, 1879.25)
Southern Sub-Saharan Africa	830 (721, 998)	65.46 (55.11, 79.37)	992 (863, 1193)	79.07 (66.52, 96.07)	15457 (13397, 18678)	1193.27 (1003.58, 1446.58)

Notes: ASIR, ASMR and ASDR are reported per 100,000 population.

Abbreviations: DALYs, disability-adjusted life-years; AAPC, average annual percentage change; SDI: socio-demographic index; GBD, global burden of disease; EOEC, early-onset esophageal cancer; MOEC, middle-onset esophageal cancer; LOEC, late-onset esophageal cancer; ASIR, age- standardized incidence rate; ASMR, age-standardized mortality rate; ASDR, age-standardized disability-adjusted life year rate; UI, uncertainty interval; CI, confidence interval.



Supplementary Figure S1. Joinpoint regression analysis of global incidence, mortality and burden for EOE (A, B, C), MOEC (D, E, F) and LOEC (G, H, I) in male from 1990 to 2021. EOE, early-onset esophageal cancer; MOEC, middle-onset esophageal cancer; LOEC, late-onset esophageal cancer; ASIR, age-standardized incidence rate; ASMR, age-standardized mortality rate; ASDR, age-standardized disability-adjusted life year rate; APC annual percentage change; * with significance, P value < 0.05.



Supplementary Figure S2. Joinpoint regression analysis of global incidence, mortality and burden for EOEC (A, B, C), MOEC (D, E, F) and LOEC (G, H, I) in female from 1990 to 2021. EOEC, early-onset esophageal cancer; MOEC, middle-onset esophageal cancer; LOEC, late-onset esophageal cancer; ASIR, age-standardized incidence rate; ASMR, age-standardized mortality rate; ASDR, age-standardized disability-adjusted life year rate; APC annual percentage change; * with significance, P value < 0.05.

Supplementary Table S4. Incidence number and ASIR of EOEC, MOEC and LOEC in 1990 and 2021, and AAPC from 1990 to 2021 among 204 countries and territories.

Country/Territory	Cases (95%UI), 1990	ASIR (95% UI), 1990	Cases (95%UI), 2021	ASIR (95% UI), 2021	AAPC (95% CI), 1990-2021	P value
EOEC						
Afghanistan	75 (29, 118)	2.24 (0.81, 3.81)	176 (77, 293)	1.6 (0.67, 2.77)	-1.07 (-1.27, -0.87)	<0.001
Albania	4 (3, 5)	0.32 (0.24, 0.43)	4 (2, 5)	0.28 (0.18, 0.41)	-0.66 (-1.71, 0.41)	0.23
Algeria	9 (7, 12)	0.13 (0.09, 0.17)	25 (18, 33)	0.11 (0.07, 0.15)	-0.48 (-0.6, -0.36)	<0.001
American Samoa	0 (0, 0)	0.25 (0.16, 0.38)	0 (0, 0)	0.35 (0.21, 0.53)	1.15 (0.36, 1.95)	0.004
Andorra	0 (0, 0)	0.41 (0.25, 0.65)	0 (0, 0)	0.28 (0.15, 0.46)	-1.41 (-1.75, -1.07)	<0.001
Angola	71 (43, 101)	2.26 (1.33, 3.4)	141 (91, 204)	1.37 (0.81, 2.11)	-1.64 (-2.26, -1.01)	<0.001
Antigua and Barbuda	0 (0, 0)	0.54 (0.47, 0.62)	0 (0, 0)	0.35 (0.3, 0.4)	-0.56 (-1.11, 0)	0.049
Argentina	161 (145, 183)	1.09 (0.92, 1.31)	116 (103, 132)	0.49 (0.4, 0.59)	-2.49 (-3, -1.98)	<0.001
Armenia	5 (5, 6)	0.44 (0.41, 0.47)	2 (1, 2)	0.11 (0.09, 0.12)	-4.33 (-5.7, -2.94)	<0.001
Australia	44 (40, 50)	0.51 (0.43, 0.6)	80 (69, 92)	0.59 (0.48, 0.73)	0.47 (0.01, 0.94)	0.045
Austria	28 (24, 32)	0.68 (0.55, 0.83)	20 (17, 23)	0.41 (0.32, 0.51)	-1.46 (-1.84, -1.07)	<0.001
Azerbaijan	39 (33, 45)	1.66 (1.36, 1.99)	38 (29, 49)	0.69 (0.52, 0.89)	-2.89 (-3.4, -2.39)	<0.001
Bahamas	1 (1, 2)	1.47 (1.25, 1.71)	3 (2, 4)	1.4 (1.05, 1.85)	0.01 (-1.31, 1.34)	0.99
Bahrain	1 (1, 1)	0.37 (0.26, 0.52)	2 (2, 3)	0.22 (0.15, 0.32)	-1.59 (-1.94, -1.24)	<0.001
Bangladesh	388 (282, 531)	1.17 (0.78, 1.73)	537 (354, 812)	0.68 (0.41, 1.09)	-1.67 (-1.93, -1.41)	<0.001
Barbados	1 (1, 1)	1.17 (1, 1.35)	1 (1, 2)	0.91 (0.66, 1.22)	-0.76 (-1.97, 0.45)	0.22
Belarus	32 (28, 37)	0.73 (0.59, 0.9)	36 (27, 46)	0.67 (0.49, 0.9)	-0.26 (-1.45, 0.93)	0.66
Belgium	50 (44, 56)	1.04 (0.85, 1.24)	45 (40, 52)	0.76 (0.61, 0.94)	-1.09 (-1.6, -0.57)	<0.001
Belize	0 (0, 0)	0.34 (0.3, 0.39)	1 (1, 1)	0.48 (0.4, 0.58)	1.18 (0.44, 1.92)	0.002
Benin	6 (5, 8)	0.5 (0.34, 0.71)	34 (22, 47)	0.8 (0.48, 1.22)	1.52 (1.38, 1.66)	<0.001
Bermuda	0 (0, 0)	1.2 (0.94, 1.51)	0 (0, 0)	0.79 (0.57, 1.06)	-1.35 (-1.64, -1.05)	<0.001
Bhutan	2 (1, 3)	1.15 (0.73, 1.71)	3 (2, 4)	0.71 (0.43, 1.09)	-1.55 (-1.7, -1.41)	<0.001
Bolivia (Plurinational State of)	10 (7, 12)	0.43 (0.29, 0.62)	15 (10, 21)	0.27 (0.17, 0.41)	-1.51 (-1.66, -1.35)	<0.001
Bosnia and Herzegovina	10 (9, 12)	0.49 (0.4, 0.61)	7 (5, 9)	0.37 (0.24, 0.49)	-1.04 (-1.78, -0.29)	0.007
Botswana	9 (6, 14)	2.54 (1.5, 4.06)	18 (13, 25)	1.52 (0.92, 2.3)	-1.67 (-2.23, -1.1)	<0.001
Brazil	898 (861, 939)	1.57 (1.47, 1.68)	1358 (1281, 1433)	1.12 (1.03, 1.2)	-1.09 (-1.51, -0.68)	<0.001
Brunei Darussalam	0 (0, 0)	0.34 (0.24, 0.47)	1 (1, 1)	0.32 (0.23, 0.45)	-0.13 (-0.61, 0.35)	0.59
Bulgaria	31 (28, 34)	0.68 (0.6, 0.76)	23 (19, 28)	0.57 (0.46, 0.69)	-0.49 (-1, 0.03)	0.06
Burkina Faso	14 (9, 19)	0.51 (0.34, 0.74)	60 (38, 89)	0.87 (0.52, 1.36)	1.75 (1.54, 1.96)	<0.001
Burundi	58 (39, 81)	3.86 (2.34, 5.77)	76 (54, 106)	1.85 (1.18, 2.76)	-2.39 (-2.55, -2.23)	<0.001
Cabo Verde	1 (1, 2)	1.69 (1.17, 2.4)	7 (5, 10)	2.8 (1.68, 4.35)	1.65 (1.28, 2.01)	<0.001
Cambodia	32 (22, 41)	0.99 (0.64, 1.39)	46 (32, 66)	0.61 (0.39, 0.92)	-1.52 (-1.65, -1.4)	<0.001
Cameroon	18 (13, 25)	0.6 (0.4, 0.88)	121 (74, 183)	1.15 (0.65, 1.87)	2.1 (2, 2.21)	<0.001
Canada	77 (69, 85)	0.53 (0.45, 0.62)	142 (125, 163)	0.75 (0.61, 0.93)	1.05 (0.7, 1.4)	<0.001

Central African Republic	24 (15, 33)	2.92 (1.63, 4.4)	43 (25, 64)	2.17 (1.21, 3.47)	-0.96 (-1.09, -0.83)	<0.001
Chad	7 (5, 8)	0.4 (0.27, 0.57)	40 (27, 56)	0.85 (0.52, 1.33)	2.57 (2.15, 2.99)	<0.001
Chile	50 (45, 54)	0.86 (0.72, 1.02)	36 (32, 41)	0.37 (0.3, 0.45)	-2.82 (-3.44, -2.2)	<0.001
China	25380 (21029, 30165)	5.1 (4.18, 6.13)	18899 (14640, 23589)	2.28 (1.77, 2.9)	-2.65 (-2.93, -2.37)	<0.001
Colombia	79 (73, 87)	0.62 (0.53, 0.74)	69 (56, 85)	0.28 (0.21, 0.36)	-2.62 (-3, -2.23)	<0.001
Comoros	4 (3, 6)	3.25 (1.81, 4.9)	7 (5, 10)	2.18 (1.4, 3.27)	-1.19 (-1.84, -0.53)	<0.001
Congo	24 (15, 33)	3.47 (2.04, 5.35)	46 (29, 72)	1.92 (1.13, 3.16)	-1.87 (-2.32, -1.42)	<0.001
Cook Islands	0 (0, 0)	0.5 (0.31, 0.77)	0 (0, 0)	0.5 (0.3, 0.8)	0.03 (-0.4, 0.45)	0.90
Costa Rica	4 (4, 4)	0.36 (0.3, 0.43)	7 (5, 8)	0.27 (0.21, 0.34)	-1.11 (-1.62, -0.6)	<0.001
Côte d'Ivoire	7 (5, 10)	0.21 (0.14, 0.3)	22 (15, 33)	0.22 (0.13, 0.34)	-1.88 (-3.51, -0.21)	0.03
Croatia	22 (19, 26)	0.89 (0.71, 1.08)	12 (9, 15)	0.5 (0.38, 0.65)	1.29 (0.07, 2.53)	0.03
Cuba	34 (31, 38)	0.66 (0.56, 0.79)	62 (49, 77)	0.96 (0.73, 1.25)	1.43 (1, 1.85)	<0.001
Cyprus	1 (0, 1)	0.13 (0.09, 0.19)	2 (1, 2)	0.21 (0.14, 0.31)	-1.35 (-2.06, -0.64)	<0.001
Czechia	45 (40, 51)	0.78 (0.65, 0.93)	36 (29, 44)	0.52 (0.4, 0.66)	0.19 (-0.07, 0.45)	0.16
Democratic People's Republic of Korea	221 (146, 334)	2.25 (1.34, 3.66)	319 (203, 467)	2.09 (1.19, 3.4)	-0.22 (-0.38, -0.07)	0.004
Democratic Republic of the Congo	184 (120, 261)	1.73 (1.05, 2.65)	393 (253, 567)	1.31 (0.79, 2.03)	-0.88 (-1.08, -0.67)	<0.001
Denmark	26 (23, 29)	0.87 (0.73, 1.04)	20 (17, 23)	0.66 (0.53, 0.8)	-0.7 (-2.16, 0.77)	0.35
Djibouti	4 (2, 5)	2.71 (1.59, 4.23)	12 (7, 19)	2.01 (1.19, 3.22)	-1.01 (-1.18, -0.84)	<0.001
Dominica	0 (0, 0)	0.74 (0.54, 1)	0 (0, 0)	0.86 (0.57, 1.29)	0.47 (0.32, 0.62)	<0.001
Dominican Republic	10 (8, 14)	0.43 (0.31, 0.58)	29 (19, 41)	0.53 (0.35, 0.78)	0.76 (-0.26, 1.79)	0.15
Ecuador	12 (11, 13)	0.33 (0.27, 0.39)	16 (12, 20)	0.18 (0.13, 0.24)	-1.96 (-3.09, -0.81)	0.001
Egypt	56 (45, 69)	0.27 (0.2, 0.36)	70 (51, 94)	0.15 (0.1, 0.22)	-1.83 (-2.3, -1.36)	<0.001
El Salvador	7 (6, 8)	0.4 (0.33, 0.49)	11 (8, 14)	0.37 (0.27, 0.5)	-0.3 (-1.27, 0.68)	0.54
Equatorial Guinea	3 (2, 5)	2.69 (1.57, 4.27)	7 (5, 12)	1.52 (0.85, 2.52)	-1.69 (-2.04, -1.34)	<0.001
Eritrea	48 (28, 67)	4.56 (2.64, 6.88)	72 (45, 112)	2.83 (1.64, 4.6)	-1.57 (-1.8, -1.33)	<0.001
Estonia	6 (5, 7)	0.76 (0.61, 0.93)	3 (2, 3)	0.37 (0.28, 0.48)	-2.17 (-2.96, -1.38)	<0.001
Eswatini	7 (5, 10)	3.31 (2.06, 4.87)	19 (11, 28)	4.31 (2.47, 6.77)	0.87 (0.5, 1.24)	<0.001
Ethiopia	254 (160, 335)	1.74 (1.08, 2.36)	285 (220, 387)	0.78 (0.58, 1.08)	-2.54 (-2.7, -2.38)	<0.001
Fiji	1 (1, 2)	0.44 (0.29, 0.65)	2 (1, 3)	0.46 (0.28, 0.72)	0.08 (-0.2, 0.36)	0.57
Finland	24 (22, 26)	0.8 (0.71, 0.9)	16 (15, 18)	0.61 (0.53, 0.7)	-0.63 (-1.34, 0.08)	0.08
France	606 (539, 684)	2.2 (1.83, 2.61)	289 (248, 336)	0.86 (0.68, 1.09)	-2.85 (-3.48, -2.22)	<0.001
Gabon	7 (5, 10)	2.46 (1.56, 3.69)	13 (8, 20)	1.81 (1.05, 2.92)	-0.95 (-1.23, -0.68)	<0.001
Gambia	1 (0, 1)	0.25 (0.16, 0.36)	2 (2, 4)	0.32 (0.21, 0.48)	0.93 (-0.34, 2.22)	0.15
Georgia	9 (8, 11)	0.4 (0.36, 0.45)	3 (3, 3)	0.16 (0.14, 0.19)	-2.69 (-5.11, -0.2)	0.03
Germany	482 (419, 549)	1.15 (0.94, 1.38)	319 (278, 368)	0.78 (0.63, 0.96)	-1.25 (-2.35, -0.13)	0.03
Ghana	22 (15, 29)	0.46 (0.29, 0.67)	76 (50, 107)	0.57 (0.35, 0.84)	0.67 (0.47, 0.87)	<0.001
Greece	16 (15, 18)	0.32 (0.28, 0.36)	23 (20, 25)	0.38 (0.33, 0.44)	0.64 (-0.03, 1.31)	0.06

Greenland	1 (1, 1)	3.23 (2.25, 4.57)	0 (0, 1)	1.75 (1.14, 2.52)	-1.96 (-2.02, -1.89)	<0.001
Grenada	0 (0, 0)	1.38 (1.08, 1.74)	0 (0, 1)	0.87 (0.64, 1.14)	-1.76 (-3.35, -0.14)	0.03
Guam	0 (0, 0)	0.39 (0.29, 0.51)	1 (0, 1)	0.66 (0.49, 0.87)	1.62 (0.85, 2.4)	<0.001
Guatemala	14 (13, 15)	0.55 (0.49, 0.6)	20 (17, 24)	0.3 (0.24, 0.36)	-1.89 (-2.86, -0.92)	<0.001
Guinea	4 (3, 5)	0.19 (0.13, 0.28)	9 (6, 13)	0.22 (0.14, 0.34)	0.4 (0.21, 0.59)	<0.001
Guinea-Bissau	3 (2, 3)	0.91 (0.57, 1.35)	9 (6, 13)	1.42 (0.86, 2.19)	1.49 (1.3, 1.67)	<0.001
Guyana	1 (1, 1)	0.42 (0.33, 0.52)	2 (1, 3)	0.52 (0.36, 0.74)	0.73 (0.05, 1.42)	0.04
Haiti	22 (15, 30)	1.06 (0.65, 1.58)	43 (28, 64)	0.77 (0.46, 1.18)	-0.98 (-1.09, -0.88)	<0.001
Honduras	3 (2, 4)	0.2 (0.15, 0.28)	7 (4, 10)	0.16 (0.09, 0.25)	-0.83 (-1.02, -0.64)	<0.001
Hungary	95 (82, 109)	1.69 (1.39, 2.04)	31 (25, 37)	0.5 (0.39, 0.63)	-3.97 (-4.66, -3.28)	<0.001
Iceland	1 (1, 1)	0.77 (0.64, 0.91)	2 (2, 2)	1.03 (0.8, 1.29)	1.03 (0.65, 1.41)	<0.001
India	3142 (2764, 3780)	0.94 (0.82, 1.15)	5237 (4578, 6155)	0.75 (0.65, 0.89)	-0.71 (-0.86, -0.56)	<0.001
Indonesia	325 (235, 391)	0.45 (0.33, 0.56)	497 (382, 644)	0.32 (0.24, 0.42)	-1.13 (-1.22, -1.04)	<0.001
Iran (Islamic Republic of)	149 (121, 170)	0.89 (0.72, 1.02)	297 (268, 331)	0.58 (0.51, 0.66)	-1.44 (-1.54, -1.35)	<0.001
Iraq	14 (11, 19)	0.27 (0.18, 0.38)	39 (28, 57)	0.2 (0.13, 0.31)	-0.91 (-1.08, -0.74)	<0.001
Ireland	18 (16, 20)	1.1 (0.92, 1.34)	28 (24, 32)	0.96 (0.76, 1.19)	-0.34 (-1.37, 0.69)	0.51
Israel	5 (5, 6)	0.27 (0.22, 0.33)	11 (10, 13)	0.24 (0.19, 0.29)	-0.37 (-0.95, 0.22)	0.22
Italy	200 (191, 211)	0.69 (0.64, 0.74)	106 (100, 112)	0.31 (0.28, 0.33)	-2.71 (-3.29, -2.14)	<0.001
Jamaica	3 (3, 4)	0.41 (0.34, 0.5)	7 (5, 10)	0.52 (0.34, 0.75)	1.77 (-0.31, 3.9)	0.10
Japan	632 (600, 664)	0.82 (0.78, 0.87)	449 (423, 472)	0.61 (0.57, 0.65)	-1.01 (-1.59, -0.43)	0.001
Jordan	2 (2, 3)	0.2 (0.14, 0.27)	8 (6, 11)	0.14 (0.09, 0.21)	-1.05 (-1.53, -0.57)	<0.001
Kazakhstan	197 (182, 213)	3.19 (2.91, 3.49)	69 (60, 77)	0.71 (0.62, 0.8)	-4.96 (-5.12, -4.8)	<0.001
Kenya	89 (66, 127)	1.48 (1.07, 2.13)	340 (248, 483)	1.82 (1.32, 2.58)	0.68 (0.47, 0.89)	<0.001
Kiribati	0 (0, 1)	1.44 (0.89, 2.2)	1 (0, 1)	1.42 (0.81, 2.28)	-0.04 (-0.12, 0.05)	0.40
Kuwait	2 (2, 2)	0.26 (0.22, 0.31)	5 (4, 6)	0.13 (0.1, 0.17)	-2 (-3.95, 0)	0.05
Kyrgyzstan	24 (20, 29)	1.82 (1.49, 2.19)	12 (9, 16)	0.41 (0.3, 0.53)	-4.72 (-5.54, -3.88)	<0.001
Lao People's Democratic Republic	15 (10, 21)	1.1 (0.67, 1.66)	18 (12, 26)	0.53 (0.33, 0.83)	-2.33 (-2.41, -2.25)	<0.001
Latvia	10 (9, 12)	0.75 (0.6, 0.92)	5 (4, 6)	0.47 (0.36, 0.61)	-1.37 (-2.89, 0.17)	0.08
Lebanon	3 (2, 4)	0.22 (0.14, 0.32)	4 (3, 5)	0.13 (0.09, 0.19)	-1.47 (-1.8, -1.13)	<0.001
Lesotho	9 (6, 12)	1.79 (1.17, 2.63)	26 (17, 35)	3.7 (2.23, 5.58)	2.42 (2.08, 2.75)	<0.001
Liberia	3 (2, 4)	0.48 (0.32, 0.7)	22 (14, 33)	0.99 (0.57, 1.58)	2.39 (2.06, 2.72)	<0.001
Libya	3 (2, 5)	0.25 (0.15, 0.38)	14 (9, 20)	0.32 (0.2, 0.48)	0.78 (0.63, 0.93)	<0.001
Lithuania	15 (13, 17)	0.84 (0.68, 1.02)	10 (8, 12)	0.69 (0.53, 0.89)	-0.57 (-2.28, 1.17)	0.52
Luxembourg	2 (2, 3)	1.12 (0.96, 1.29)	2 (2, 2)	0.55 (0.45, 0.65)	-2.36 (-3.16, -1.55)	<0.001
Madagascar	99 (70, 131)	2.95 (1.96, 4.27)	203 (133, 294)	2.01 (1.23, 3.13)	-1.22 (-1.37, -1.08)	<0.001

Malawi	132 (98, 169)	4.71 (3.33, 6.52)	341 (241, 490)	5.49 (3.66, 8.24)	0.5 (0.29, 0.71)	<0.001
Malaysia	26 (21, 31)	0.39 (0.28, 0.54)	73 (58, 93)	0.47 (0.33, 0.66)	0.58 (-0.28, 1.44)	0.19
Maldives	0 (0, 1)	0.74 (0.42, 1.08)	1 (1, 1)	0.23 (0.15, 0.33)	-3.83 (-4.05, -3.6)	<0.001
Mali	11 (8, 13)	0.41 (0.28, 0.56)	26 (18, 36)	0.39 (0.25, 0.6)	-0.09 (-0.33, 0.16)	0.48
Malta	1 (1, 1)	0.41 (0.33, 0.5)	1 (1, 1)	0.51 (0.4, 0.65)	0.76 (-0.51, 2.03)	0.24
Marshall Islands	0 (0, 0)	0.56 (0.34, 0.88)	0 (0, 0)	0.6 (0.35, 0.97)	0.28 (0.15, 0.42)	<0.001
Mauritania	3 (2, 4)	0.55 (0.35, 0.8)	10 (7, 15)	0.72 (0.42, 1.16)	0.86 (0.58, 1.14)	<0.001
Mauritius	4 (3, 4)	0.79 (0.71, 0.88)	7 (6, 8)	0.99 (0.84, 1.13)	1.1 (-0.69, 2.92)	0.23
Mexico	115 (113, 117)	0.38 (0.37, 0.39)	205 (178, 233)	0.3 (0.26, 0.34)	-0.71 (-0.95, -0.48)	<0.001
Micronesia (Federated States of)	0 (0, 0)	0.77 (0.47, 1.19)	0 (0, 0)	0.67 (0.39, 1.05)	-0.46 (-0.52, -0.4)	<0.001
Monaco	0 (0, 0)	1.01 (0.69, 1.46)	0 (0, 0)	1.43 (0.86, 2.12)	1.1 (1.03, 1.17)	<0.001
Mongolia	25 (18, 32)	3.76 (2.66, 5.19)	38 (28, 51)	2.22 (1.57, 3)	-1.85 (-2.86, -0.83)	<0.001
Montenegro	1 (1, 2)	0.52 (0.42, 0.66)	2 (1, 2)	0.45 (0.34, 0.59)	-0.58 (-1.19, 0.05)	0.07
Morocco	13 (10, 16)	0.15 (0.1, 0.2)	23 (16, 35)	0.12 (0.08, 0.19)	-0.55 (-0.67, -0.43)	<0.001
Mozambique	32 (23, 42)	0.75 (0.5, 1.1)	103 (68, 149)	1.13 (0.68, 1.76)	1.33 (1.15, 1.51)	<0.001
Myanmar	149 (99, 202)	1.02 (0.63, 1.48)	133 (90, 190)	0.48 (0.3, 0.73)	-2.43 (-2.56, -2.31)	<0.001
Namibia	2 (1, 3)	0.48 (0.31, 0.7)	5 (3, 8)	0.52 (0.31, 0.84)	0.36 (0.01, 0.72)	0.044
Nauru	0 (0, 0)	0.95 (0.56, 1.46)	0 (0, 0)	0.87 (0.51, 1.38)	-0.26 (-0.33, -0.19)	<0.001
Nepal	77 (54, 106)	1.15 (0.74, 1.71)	111 (74, 162)	0.82 (0.52, 1.28)	-1.05 (-1.21, -0.9)	<0.001
Netherlands	72 (66, 80)	0.9 (0.76, 1.06)	63 (55, 73)	0.73 (0.6, 0.89)	-0.64 (-1.31, 0.03)	0.06
New Zealand	9 (8, 10)	0.53 (0.45, 0.63)	13 (11, 14)	0.49 (0.41, 0.59)	-0.33 (-0.66, 0)	0.049
Nicaragua	2 (2, 2)	0.18 (0.13, 0.25)	4 (3, 5)	0.14 (0.09, 0.19)	-1.29 (-1.83, -0.74)	<0.001
Niger	10 (7, 14)	0.44 (0.28, 0.64)	35 (23, 51)	0.57 (0.35, 0.91)	0.86 (0.56, 1.15)	<0.001
Nigeria	124 (88, 179)	0.43 (0.3, 0.62)	482 (299, 691)	0.65 (0.4, 0.93)	1.29 (1.1, 1.49)	<0.001
Niue	0 (0, 0)	0.46 (0.27, 0.74)	0 (0, 0)	0.45 (0.27, 0.73)	-0.1 (-0.42, 0.23)	0.57
North Macedonia	3 (2, 3)	0.31 (0.25, 0.39)	3 (2, 4)	0.22 (0.16, 0.3)	-1.18 (-1.67, -0.68)	<0.001
Northern Mariana Islands	0 (0, 0)	0.27 (0.16, 0.44)	0 (0, 0)	0.44 (0.29, 0.66)	1.74 (0.71, 2.77)	0.001
Norway	8 (8, 9)	0.38 (0.35, 0.4)	11 (10, 12)	0.37 (0.34, 0.41)	0.09 (-0.79, 0.98)	0.84
Oman	2 (1, 2)	0.25 (0.16, 0.37)	5 (3, 7)	0.17 (0.11, 0.26)	-1.21 (-1.5, -0.93)	<0.001
Pakistan	460 (377, 556)	1.28 (0.99, 1.62)	1244 (960, 1647)	1.29 (0.95, 1.77)	0.04 (-0.08, 0.17)	0.49
Palau	0 (0, 0)	0.64 (0.4, 1)	0 (0, 0)	0.73 (0.46, 1.11)	0.44 (0.04, 0.85)	0.03
Palestine	1 (1, 2)	0.2 (0.13, 0.3)	2 (2, 3)	0.11 (0.08, 0.15)	-1.96 (-2.29, -1.63)	<0.001
Panama	3 (2, 3)	0.27 (0.24, 0.3)	4 (3, 5)	0.19 (0.14, 0.24)	-1.29 (-1.81, -0.77)	<0.001
Papua New Guinea	5 (3, 8)	0.38 (0.21, 0.62)	13 (9, 19)	0.29 (0.17, 0.46)	-0.86 (-1.02, -0.7)	<0.001
Paraguay	8 (6, 10)	0.59 (0.41, 0.83)	23 (15, 33)	0.7 (0.44, 1.07)	0.69 (0.46, 0.92)	<0.001
Peru	22 (18, 27)	0.28 (0.2, 0.38)	33 (24, 47)	0.18 (0.12, 0.27)	-1.29 (-2.76, 0.2)	0.09
Philippines	99 (87, 114)	0.43 (0.36, 0.5)	182 (151, 217)	0.35 (0.28, 0.42)	-0.69 (-0.87, -0.51)	<0.001
Poland	156 (150, 162)	0.9 (0.86, 0.94)	117 (105, 129)	0.51 (0.46, 0.57)	-1.84 (-2.69, -0.99)	<0.001
Portugal	50 (45, 56)	1.04 (0.85, 1.26)	46 (39, 54)	0.72 (0.58, 0.9)	-1.01 (-1.39, -	<0.001

					0.62)	
Puerto Rico	21 (18, 24)	1.2 (0.98, 1.47)	10 (8, 13)	0.61 (0.45, 0.82)	-2.05 (-2.97, -1.12)	<0.001
Qatar	1 (1, 1)	0.4 (0.27, 0.57)	6 (4, 8)	0.24 (0.15, 0.37)	-1.53 (-2.63, -0.42)	0.007
Republic of Korea	192 (148, 251)	0.97 (0.71, 1.32)	118 (89, 156)	0.36 (0.26, 0.49)	-3.25 (-3.67, -2.83)	<0.001
Republic of Moldova	10 (9, 11)	0.52 (0.46, 0.59)	6 (5, 7)	0.27 (0.23, 0.32)	-2.25 (-3.26, -1.23)	<0.001
Romania	52 (45, 58)	0.48 (0.39, 0.58)	67 (54, 82)	0.57 (0.44, 0.74)	0.7 (-0.38, 1.79)	0.20
Russian Federation	684 (663, 703)	1.09 (1.04, 1.13)	634 (573, 688)	0.76 (0.68, 0.82)	-1.15 (-2.25, -0.04)	0.042
Rwanda	85 (52, 117)	4.52 (2.67, 6.68)	91 (60, 128)	1.84 (1.14, 2.78)	-2.87 (-3.12, -2.62)	<0.001
Saint Kitts and Nevis	0 (0, 0)	0.99 (0.86, 1.14)	0 (0, 0)	0.56 (0.41, 0.74)	-1.71 (-2.88, -0.52)	0.005
Saint Lucia	1 (0, 1)	1.18 (1.02, 1.36)	1 (1, 1)	0.97 (0.75, 1.23)	-0.73 (-1.43, -0.02)	0.043
Saint Vincent and the Grenadines	0 (0, 0)	0.56 (0.48, 0.65)	0 (0, 0)	0.64 (0.53, 0.78)	0.39 (0.04, 0.75)	0.03
Samoa	0 (0, 0)	0.19 (0.12, 0.29)	0 (0, 0)	0.2 (0.12, 0.3)	0.12 (0.07, 0.16)	<0.001
San Marino	0 (0, 0)	0.3 (0.19, 0.46)	0 (0, 0)	0.18 (0.09, 0.32)	-1.93 (-2.29, -1.58)	<0.001
Sao Tome and Principe	0 (0, 0)	0.37 (0.24, 0.55)	1 (0, 1)	0.7 (0.41, 1.13)	2.04 (1.86, 2.21)	<0.001
Saudi Arabia	18 (12, 27)	0.32 (0.2, 0.49)	87 (58, 129)	0.32 (0.2, 0.49)	-0.06 (-0.27, 0.15)	0.60
Senegal	11 (8, 14)	0.51 (0.34, 0.73)	42 (30, 60)	0.79 (0.5, 1.21)	1.47 (1.05, 1.89)	<0.001
Serbia	24 (16, 35)	0.49 (0.33, 0.72)	19 (13, 28)	0.37 (0.25, 0.55)	-0.78 (-1.11, -0.45)	<0.001
Seychelles	0 (0, 0)	1.47 (1.02, 2.07)	1 (1, 1)	1.25 (0.85, 1.81)	-0.5 (-1.08, 0.1)	0.10
Sierra Leone	6 (4, 8)	0.44 (0.27, 0.65)	24 (15, 35)	0.8 (0.48, 1.27)	1.95 (1.72, 2.19)	<0.001
Singapore	7 (6, 8)	0.46 (0.37, 0.56)	11 (9, 13)	0.28 (0.22, 0.34)	-1.48 (-2.48, -0.47)	0.004
Slovakia	33 (23, 46)	1.33 (0.91, 1.91)	23 (15, 35)	0.67 (0.44, 1.01)	-2.27 (-3.23, -1.31)	<0.001
Slovenia	8 (7, 9)	0.79 (0.65, 0.96)	5 (4, 6)	0.42 (0.31, 0.55)	-2.24 (-3.05, -1.42)	<0.001
Solomon Islands	1 (0, 1)	0.61 (0.31, 0.99)	2 (1, 3)	0.62 (0.36, 1.01)	-0.01 (-0.31, 0.29)	0.96
Somalia	101 (65, 151)	4.13 (2.44, 6.71)	178 (112, 265)	2.66 (1.59, 4.25)	-1.38 (-1.51, -1.25)	<0.001
South Africa	573 (501, 650)	4.28 (3.65, 5.02)	619 (548, 714)	2.18 (1.85, 2.57)	-2.23 (-2.83, -1.62)	<0.001
South Sudan	50 (34, 72)	3.05 (1.87, 4.81)	90 (61, 126)	2.64 (1.62, 3.98)	-0.42 (-0.64, -0.19)	<0.001
Spain	224 (198, 253)	1.22 (1, 1.47)	146 (125, 168)	0.51 (0.4, 0.64)	-2.79 (-3.33, -2.26)	<0.001
Sri Lanka	95 (74, 119)	1.27 (0.89, 1.75)	100 (61, 144)	0.86 (0.49, 1.32)	-1.19 (-2.25, -0.12)	0.03
Sudan	66 (35, 94)	1.04 (0.52, 1.59)	127 (64, 199)	0.77 (0.38, 1.28)	-0.96 (-1.03, -0.9)	<0.001
Suriname	1 (0, 1)	0.35 (0.25, 0.48)	1 (1, 2)	0.36 (0.23, 0.54)	0.37 (-1.1, 1.85)	0.63
Sweden	17 (16, 19)	0.36 (0.31, 0.41)	16 (14, 18)	0.3 (0.25, 0.37)	-0.64 (-1.5, 0.24)	0.16
Switzerland	37 (33, 42)	0.94 (0.78, 1.13)	25 (21, 29)	0.51 (0.4, 0.64)	-2.32 (-3.3, -1.33)	<0.001
Syrian Arab Republic	7 (5, 9)	0.19 (0.13, 0.26)	11 (8, 15)	0.14 (0.1, 0.2)	-0.96 (-1.2, -0.71)	<0.001
Taiwan (Province of China)	204 (189, 220)	2.38 (2.08, 2.69)	562 (495, 635)	3.75 (3.18, 4.35)	1.26 (0.74, 1.78)	<0.001
Tajikistan	31 (24, 39)	2.16 (1.64, 2.76)	37 (26, 54)	0.88 (0.6, 1.28)	-2.85 (-3.04, -	<0.001

					2.66)	
Thailand	254 (186, 356)	1.07 (0.7, 1.62)	730 (521, 996)	1.77 (1.14, 2.64)	1.79 (1.35, 2.23)	<0.001
Timor-Leste	1 (1, 2)	0.53 (0.31, 0.81)	2 (1, 3)	0.4 (0.25, 0.59)	-0.94 (-1.38, -0.51)	<0.001
Togo	5 (4, 7)	0.5 (0.33, 0.72)	33 (21, 47)	1.02 (0.61, 1.61)	2.38 (2.16, 2.59)	<0.001
Tokelau	0 (0, 0)	0.37 (0.21, 0.6)	0 (0, 0)	0.37 (0.22, 0.58)	0.01 (-0.32, 0.34)	0.95
Tonga	0 (0, 0)	0.34 (0.22, 0.49)	0 (0, 0)	0.35 (0.21, 0.56)	0.13 (0, 0.26)	0.049
Trinidad and Tobago	2 (2, 2)	0.43 (0.38, 0.49)	3 (3, 5)	0.45 (0.32, 0.61)	0.48 (-0.04, 1)	0.07
Tunisia	3 (2, 4)	0.1 (0.07, 0.13)	7 (4, 10)	0.1 (0.06, 0.15)	0.1 (-0.01, 0.22)	0.06
Turkey	143 (100, 183)	0.65 (0.42, 0.91)	151 (107, 200)	0.32 (0.21, 0.45)	-3.8 (-4.65, -2.94)	<0.001
Turkmenistan	52 (49, 56)	4.83 (4.4, 5.26)	38 (29, 50)	1.55 (1.16, 2.03)	-0.19 (-0.26, -0.12)	<0.001
Tuvalu	0 (0, 0)	0.54 (0.34, 0.81)	0 (0, 0)	0.51 (0.3, 0.79)	-2.32 (-2.7, -1.94)	<0.001
Uganda	105 (74, 139)	2.41 (1.59, 3.52)	330 (224, 460)	2.68 (1.65, 4.04)	0.3 (0.12, 0.47)	0.001
Ukraine	253 (221, 287)	1.04 (0.85, 1.25)	184 (122, 264)	0.71 (0.44, 1.06)	-1.3 (-2.44, -0.15)	0.03
United Arab Emirates	3 (2, 4)	0.29 (0.18, 0.46)	17 (12, 23)	0.17 (0.11, 0.25)	-1.65 (-1.92, -1.37)	<0.001
United Kingdom	289 (284, 294)	0.99 (0.96, 1.01)	353 (343, 363)	1.03 (0.99, 1.07)	0.13 (-0.45, 0.71)	0.66
United Republic of Tanzania	212 (150, 290)	3.01 (1.95, 4.41)	390 (267, 553)	1.93 (1.22, 2.9)	-1.42 (-1.55, -1.29)	<0.001
United States of America	1009 (989, 1027)	0.79 (0.77, 0.81)	1140 (1100, 1181)	0.7 (0.67, 0.73)	-0.32 (-0.92, 0.27)	0.28
United States Virgin Islands	0 (0, 1)	0.7 (0.47, 1)	0 (0, 0)	0.72 (0.45, 1.12)	0.49 (0.26, 0.71)	<0.001
Uruguay	16 (14, 18)	1.1 (0.9, 1.33)	13 (11, 15)	0.74 (0.6, 0.91)	-1.02 (-2.26, 0.24)	0.11
Uzbekistan	149 (126, 172)	2.51 (2.08, 2.96)	127 (96, 165)	0.74 (0.56, 0.97)	-3.73 (-5.48, -1.94)	<0.001
Vanuatu	0 (0, 0)	0.53 (0.3, 0.88)	1 (0, 1)	0.51 (0.3, 0.8)	-0.12 (-0.26, 0.01)	0.08
Venezuela (Bolivarian Republic of)	25 (23, 26)	0.36 (0.33, 0.4)	42 (29, 58)	0.29 (0.2, 0.4)	-0.62 (-1.97, 0.74)	0.37
Viet Nam	68 (45, 97)	0.35 (0.22, 0.54)	247 (164, 376)	0.45 (0.27, 0.72)	0.8 (0.57, 1.02)	<0.001
Yemen	36 (18, 53)	0.99 (0.49, 1.6)	81 (38, 126)	0.66 (0.31, 1.09)	-1.27 (-1.53, -1.01)	<0.001
Zambia	82 (59, 105)	3.86 (2.58, 5.45)	209 (126, 351)	3.19 (1.79, 5.64)	-0.59 (-0.74, -0.44)	<0.001
Zimbabwe	55 (42, 71)	2.01 (1.37, 2.84)	207 (138, 293)	3.61 (2.2, 5.49)	1.96 (1.23, 2.69)	<0.001
MOEC						
Afghanistan	409 (187, 602)	31.22 (13.8, 49.26)	344 (149, 535)	22.86 (9.69, 37.44)	-1 (-1.06, -0.94)	<0.001
Albania	20 (16, 25)	5.63 (4.36, 7.23)	28 (20, 38)	3.91 (2.76, 5.26)	-1.3 (-2.02, -0.58)	<0.001
Algeria	40 (32, 49)	1.88 (1.36, 2.53)	115 (85, 148)	1.81 (1.22, 2.54)	-0.12 (-0.22, -0.03)	0.011
American Samoa	0 (0, 0)	3.45 (2.47, 4.76)	0 (0, 1)	4.49 (3.09, 6.27)	0.94 (0.28, 1.62)	0.006
Andorra	1 (0, 1)	6.54 (4.14, 10.25)	1 (1, 2)	4.13 (2.34, 6.5)	-1.59 (-1.96, -1.23)	<0.001
Angola	307 (201, 427)	41.33 (25.71, 60.57)	585 (401, 803)	25.86 (16.88, 37.5)	-1.48 (-1.81, -1.16)	<0.001
Antigua and Barbuda	1 (1, 1)	10.01 (8.68, 11.43)	2 (1, 2)	8.17 (7.01, 9.46)	-0.72 (-1.53, 0.09)	0.08
Argentina	1085 (999, 1169)	20.35 (17.42, 23.64)	988 (888, 1093)	11.76 (9.82, 13.97)	-1.72 (-2.16, -1.28)	<0.001
Armenia	45 (42, 48)	8.65 (7.94, 9.35)	24 (21, 28)	3.09 (2.69, 3.55)	-3.42 (-4.46, -2.37)	<0.001
Australia	397 (368, 429)	13.02 (11.33, 14.71)	661 (601, 730)	10.54 (8.86, 12.22)	-0.7 (-0.86, -0.53)	<0.001

		14.8)		12.55)		
Austria	150 (138, 163)	8.94 (7.64, 10.41)	207 (187, 229)	8.44 (6.99, 10.12)	-0.24 (-0.7, 0.22)	0.31
Azerbaijan	259 (226, 296)	27.7 (23.14, 32.78)	331 (246, 421)	15.71 (11.69, 20.13)	-1.81 (-2.04, -1.58)	<0.001
Bahamas	6 (5, 6)	23.42 (19.8, 27.53)	12 (10, 16)	16.39 (12.25, 21.57)	-1.1 (-1.66, -0.54)	<0.001
Bahrain	3 (2, 4)	9.43 (7.05, 12.45)	8 (6, 11)	4.1 (2.9, 5.73)	-2.74 (-3.1, -2.39)	<0.001
Bangladesh	1451 (1015, 1990)	18.6 (12.25, 27.39)	2407 (1671, 3360)	10.31 (6.6, 15.17)	-1.79 (-2.11, -1.48)	<0.001
Barbados	6 (6, 7)	16.72 (14.54, 19.15)	12 (9, 15)	14.26 (10.21, 18.79)	-0.24 (-0.52, 0.04)	0.09
Belarus	249 (228, 270)	10.74 (9.05, 12.67)	337 (266, 421)	12.72 (9.31, 16.84)	0.4 (-0.14, 0.93)	0.15
Belgium	292 (269, 318)	12.44 (10.52, 14.58)	440 (397, 487)	14.21 (11.9, 16.9)	0.18 (-0.13, 0.49)	0.26
Belize	1 (1, 1)	6.2 (5.36, 7.15)	4 (3, 4)	6.66 (5.4, 8.06)	0.24 (-0.37, 0.86)	0.44
Benin	34 (27, 41)	10.49 (7.5, 14.19)	144 (104, 192)	16.02 (10.33, 23.16)	1.4 (1.25, 1.55)	<0.001
Bermuda	2 (2, 2)	21.47 (17.62, 25.75)	2 (2, 3)	12.07 (9.1, 15.69)	-1.97 (-2.6, -1.34)	<0.001
Bhutan	8 (5, 10)	16.83 (10.87, 24.36)	10 (7, 14)	10.2 (6.66, 14.94)	-1.59 (-1.72, -1.46)	<0.001
Bolivia (Plurinational State of)	42 (31, 55)	7.68 (5.38, 10.61)	84 (59, 118)	5.34 (3.54, 7.79)	-1.17 (-1.27, -1.07)	<0.001
Bosnia and Herzegovina	63 (53, 76)	7.71 (6.39, 9.31)	74 (53, 95)	7.48 (5.4, 9.75)	0.06 (-0.44, 0.56)	0.81
Botswana	41 (29, 56)	39.98 (26.52, 57.96)	72 (53, 94)	26.5 (17.88, 38.04)	-1.3 (-1.54, -1.06)	<0.001
Brazil	3377 (3252, 3491)	21.86 (20.57, 23.14)	7066 (6677, 7385)	16.77 (15.55, 17.9)	-0.88 (-0.94, -0.82)	<0.001
Brunei Darussalam	2 (1, 2)	10.34 (7.51, 13.77)	5 (4, 6)	6.78 (4.94, 9.04)	-1.43 (-2.05, -0.81)	<0.001
Bulgaria	190 (175, 205)	8.6 (7.57, 9.76)	161 (136, 187)	8.43 (6.91, 10.16)	-0.07 (-0.73, 0.59)	0.83
Burkina Faso	81 (60, 102)	10.53 (7.42, 14.67)	274 (192, 354)	17.2 (11.24, 24.59)	1.62 (1.49, 1.75)	<0.001
Burundi	263 (182, 338)	68.14 (44.71, 94.92)	311 (219, 418)	34.26 (22.78, 49.26)	-2.2 (-2.43, -1.98)	<0.001
Cabo Verde	8 (7, 10)	24.31 (17.65, 32.33)	39 (29, 49)	48.15 (31.79, 68.64)	2.28 (1.26, 3.3)	<0.001
Cambodia	116 (90, 151)	14.39 (10.1, 19.63)	210 (149, 284)	9.09 (5.95, 12.97)	-1.47 (-1.54, -1.4)	<0.001
Cameroon	93 (69, 121)	11.53 (7.94, 15.94)	465 (306, 653)	20.48 (12.7, 31.01)	1.88 (1.75, 2)	<0.001
Canada	591 (550, 638)	11.84 (10.28, 13.55)	1281 (1164, 1414)	12.16 (10.18, 14.43)	-0.05 (-0.64, 0.55)	0.87
Central African Republic	112 (78, 142)	50.31 (32.77, 70.65)	166 (112, 227)	37.44 (23.88, 54.9)	-0.91 (-0.98, -0.85)	<0.001
Chad	38 (30, 48)	8.41 (5.99, 11.35)	186 (133, 249)	18.09 (11.85, 26.16)	2.56 (2.39, 2.72)	<0.001
Chile	302 (279, 325)	18.31 (15.86, 21.13)	267 (243, 296)	6.44 (5.43, 7.6)	-3.4 (-3.65, -3.16)	<0.001
China	119728 (97921, 141480)	78.54 (63.58, 93.11)	153474 (119661, 193909)	40.62 (31.57, 51.46)	-2.13 (-2.34, -1.93)	<0.001
Colombia	317 (296, 341)	10.71 (9.35, 12.26)	380 (306, 469)	4.17 (3.22, 5.35)	-3.03 (-3.63, -2.42)	<0.001
Comoros	21 (14, 28)	57.35 (37.44, 82.88)	34 (24, 47)	39.3 (25.74, 57.44)	-1.24 (-1.7, -0.77)	<0.001

Congo	106 (77, 140)	54.22 (35.68, 77.17)	175 (122, 246)	34.2 (22.58, 49.87)	-1.49 (-1.75, -1.22)	<0.001
Cook Islands	0 (0, 0)	8.56 (5.89, 11.87)	0 (0, 0)	7.34 (4.99, 10.37)	-0.47 (-0.61, -0.32)	<0.001
Costa Rica	18 (17, 20)	6.65 (5.68, 7.83)	37 (32, 43)	4.08 (3.24, 5.04)	-1.7 (-2.2, -1.2)	<0.001
Côte d'Ivoire	32 (25, 40)	4.31 (3.05, 5.9)	86 (61, 118)	4.21 (2.8, 6.27)	-0.95 (-2.33, 0.45)	0.18
Croatia	148 (134, 162)	12.66 (10.79, 14.66)	115 (98, 131)	9.33 (7.51, 11.31)	1.83 (1.53, 2.12)	<0.001
Cuba	168 (156, 181)	10.74 (9.2, 12.44)	556 (470, 654)	17.8 (13.92, 22.45)	0.44 (0, 0.89)	0.05
Cyprus	4 (3, 6)	3.5 (2.54, 4.75)	12 (9, 16)	3.95 (2.82, 5.47)	0.58 (-0.07, 1.24)	0.08
Czechia	209 (191, 229)	9.65 (8.35, 11.11)	325 (275, 379)	11.52 (9.33, 13.93)	-0.06 (-0.22, 0.09)	0.42
Democratic People's Republic of Korea	1067 (738, 1473)	34.88 (22.79, 50.86)	1852 (1320, 2524)	32.02 (21.15, 46.36)	-0.27 (-0.33, -0.21)	<0.001
Democratic Republic of the Congo	975 (666, 1329)	32.37 (20.95, 46.54)	1855 (1253, 2541)	26.31 (16.62, 38.64)	-0.7 (-0.86, -0.53)	<0.001
Denmark	176 (164, 190)	16.3 (14.19, 18.71)	239 (215, 263)	15.55 (13.1, 18.28)	0.06 (-0.2, 0.32)	0.66
Djibouti	13 (9, 18)	49.69 (32.37, 73.59)	48 (31, 70)	38.68 (23.75, 59.7)	-0.83 (-0.92, -0.73)	<0.001
Dominica	1 (1, 1)	14.26 (10.93, 18.29)	2 (2, 3)	15.26 (10.62, 21.56)	0.23 (0.13, 0.34)	<0.001
Dominican Republic	34 (28, 43)	5.49 (4.11, 7.37)	112 (83, 146)	6.85 (4.63, 9.72)	0.81 (-0.17, 1.8)	0.11
Ecuador	43 (39, 47)	5.07 (4.31, 5.94)	66 (49, 87)	2.51 (1.83, 3.38)	-2.24 (-3.07, -1.41)	<0.001
Egypt	175 (150, 204)	3.37 (2.56, 4.41)	355 (273, 453)	2.8 (1.95, 3.86)	-0.57 (-1.05, -0.09)	0.02
El Salvador	23 (21, 26)	4.88 (4, 5.91)	43 (33, 56)	4.59 (3.27, 6.2)	0.01 (-1.04, 1.07)	0.98
Equatorial Guinea	17 (12, 23)	47.56 (30.25, 68.69)	25 (16, 37)	27.44 (16.42, 41.95)	-1.72 (-2.05, -1.39)	<0.001
Eritrea	169 (110, 223)	73.67 (45.87, 105.11)	244 (168, 354)	46.56 (30.01, 71.98)	-1.49 (-1.62, -1.36)	<0.001
Estonia	42 (38, 47)	12.3 (10.38, 14.46)	36 (29, 43)	10.03 (7.77, 12.66)	-0.68 (-2, 0.65)	0.32
Eswatini	29 (21, 38)	58.06 (39.63, 79.66)	60 (42, 85)	58.96 (38.01, 88.53)	0.04 (-0.29, 0.38)	0.81
Ethiopia	1207 (844, 1560)	33.43 (22.77, 44.23)	1106 (879, 1498)	15.25 (11.73, 20.71)	-2.5 (-2.67, -2.32)	<0.001
Fiji	4 (3, 6)	6.86 (4.84, 9.56)	11 (8, 15)	7.63 (4.94, 11.04)	0.26 (-0.28, 0.8)	0.35
Finland	106 (99, 114)	10.14 (8.92, 11.42)	167 (153, 182)	10.84 (9.37, 12.49)	0.22 (-0.11, 0.55)	0.20
France	3682 (3396, 3986)	30.42 (26.22, 35.22)	2828 (2532, 3145)	16.23 (13.46, 19.54)	-1.93 (-2.31, -1.55)	<0.001
Gabon	41 (30, 53)	41.22 (27.8, 57.91)	69 (48, 91)	34.06 (22.07, 49.51)	-0.57 (-0.76, -0.37)	<0.001
Gambia	3 (2, 4)	5.01 (3.45, 6.99)	10 (8, 13)	6.31 (4.33, 8.8)	0.76 (-0.1, 1.63)	0.08
Georgia	77 (67, 88)	6.83 (5.95, 7.84)	31 (26, 37)	3.28 (2.76, 3.87)	-2.52 (-4.01, -1.02)	0.001
Germany	2374 (2190, 2559)	12.5 (10.81, 14.48)	3898 (3534, 4233)	15.44 (12.88, 18.26)	0.7 (0.17, 1.23)	0.009
Ghana	86 (63, 111)	7.66 (5.26, 10.69)	309 (212, 402)	10.29 (6.61, 14.81)	0.96 (0.84, 1.07)	<0.001
Greece	139 (128, 150)	5.7 (4.99, 6.51)	163 (149, 177)	5.81 (4.99, 6.72)	0.23 (0.01, 0.45)	0.04
Greenland	3 (3, 4)	55.49 (42.36, 77.17)	5 (4, 7)	36.08 (25.61, 49.87)	-1.24 (-1.33, -1.15)	<0.001

			71.06)		48.74)	1.16)	
Grenada	2 (2, 2)	21.78 (17.62, 26.72)	3 (3, 4)	15.02 (11.73, 18.94)	-1.2 (-2.44, 0.05)	0.06	
Guam	1 (1, 1)	6.86 (5.25, 8.92)	2 (2, 3)	6.22 (4.66, 8.18)	-0.41 (-1.23, 0.41)	0.33	
Guatemala	35 (33, 37)	5.67 (5.05, 6.36)	72 (60, 87)	4.01 (3.24, 4.96)	-1.17 (-2.36, 0.03)	0.06	
Guinea	23 (17, 28)	4.01 (2.82, 5.4)	43 (29, 60)	4.44 (2.82, 6.61)	0.34 (0.23, 0.46)	<0.001	
Guinea-Bissau	12 (9, 15)	16.78 (10.94, 23.74)	33 (24, 42)	24.66 (16.61, 34.5)	1.29 (1.16, 1.41)	<0.001	
Guyana	4 (4, 5)	6.87 (5.62, 8.33)	8 (6, 11)	6.84 (4.84, 9.33)	0.23 (-0.91, 1.38)	0.69	
Haiti	102 (72, 134)	17.24 (11.35, 24.39)	166 (114, 232)	12.51 (7.97, 18.86)	-0.99 (-1.04, -0.94)	<0.001	
Honduras	10 (8, 12)	2.77 (2.03, 3.71)	42 (31, 55)	3.89 (2.69, 5.46)	1.16 (0.82, 1.5)	<0.001	
Hungary	372 (344, 400)	15.85 (13.59, 18.52)	351 (308, 406)	13.28 (10.84, 16.07)	-0.65 (-0.89, -0.41)	<0.001	
Iceland	6 (6, 7)	14.5 (12.24, 17.02)	11 (9, 12)	12.64 (10.29, 15.31)	-0.3 (-1.1, 0.51)	0.47	
India	10075 (8777, 12635)	11.73 (10.07, 14.66)	20276 (17752, 24015)	9.8 (8.46, 11.73)	-0.58 (-0.88, -0.29)	<0.001	
Indonesia	1075 (804, 1299)	5.9 (4.42, 7.23)	2226 (1708, 2830)	4.74 (3.61, 6.01)	-0.72 (-0.8, -0.63)	<0.001	
Iran (Islamic Republic of)	710 (609, 799)	13.73 (11.75, 15.59)	1234 (1120, 1358)	9.05 (8.09, 10.1)	-1.36 (-1.52, -1.2)	<0.001	
Iraq	50 (37, 64)	3.91 (2.73, 5.29)	147 (99, 199)	3.41 (2.23, 4.78)	-0.43 (-0.68, -0.19)	0.001	
Ireland	133 (124, 145)	22.12 (19.05, 25.42)	189 (166, 210)	16.55 (13.56, 19.79)	-0.91 (-1.36, -0.45)	<0.001	
Israel	38 (35, 42)	5.21 (4.42, 6.08)	72 (65, 78)	4.2 (3.51, 5)	-0.56 (-1.38, 0.28)	0.19	
Italy	1467 (1416, 1521)	10.61 (10.04, 11.24)	886 (839, 929)	5.06 (4.71, 5.42)	-2.48 (-3.01, -1.94)	<0.001	
Jamaica	22 (20, 24)	8.56 (7.21, 10.08)	44 (32, 60)	8.89 (6.21, 12.44)	0.74 (-1.39, 2.91)	0.499	
Japan	5864 (5688, 6030)	20.78 (19.77, 21.85)	6241 (5933, 6480)	17.77 (16.6, 18.8)	-0.58 (-0.91, -0.25)	0.001	
Jordan	8 (6, 11)	3.4 (2.41, 4.62)	32 (24, 42)	2.28 (1.57, 3.24)	-1.3 (-1.57, -1.03)	<0.001	
Kazakhstan	1353 (1248, 1456)	59.97 (53.35, 67)	474 (402, 552)	14.13 (11.96, 16.5)	-4.44 (-4.9, -3.99)	<0.001	
Kenya	437 (312, 622)	30.96 (22.08, 44.31)	1522 (1103, 2129)	36.58 (26.47, 51.07)	0.51 (0.26, 0.76)	<0.001	
Kiribati	1 (1, 2)	19.78 (13.7, 27.71)	2 (2, 3)	16.95 (10.77, 25.1)	-0.5 (-0.57, -0.42)	<0.001	
Kuwait	6 (6, 7)	5.72 (4.76, 6.76)	11 (9, 14)	2.08 (1.57, 2.72)	-3.02 (-4.78, -1.22)	0.001	
Kyrgyzstan	149 (125, 175)	27.64 (22.71, 33.2)	80 (60, 101)	8.59 (6.51, 10.94)	-3.93 (-4.09, -3.78)	<0.001	
Lao People's Democratic Republic	56 (38, 76)	15.05 (9.62, 21.86)	65 (47, 92)	7.67 (4.98, 11.47)	-2.15 (-2.21, -2.1)	<0.001	
Latvia	67 (61, 73)	11.15 (9.46, 13.09)	62 (52, 71)	11.63 (9.21, 14.48)	0.29 (-0.9, 1.49)	0.632	
Lebanon	16 (12, 21)	3.89 (2.68, 5.38)	20 (16, 26)	2.39 (1.67, 3.29)	-1.53 (-1.75, -1.31)	<0.001	
Lesotho	49 (36, 63)	34.59 (24.16, 48.79)	107 (76, 141)	55.84 (36.77, 80.36)	1.61 (1.26, 1.96)	<0.001	
Liberia	19 (15, 24)	10.08 (7.03, 14.02)	66 (45, 97)	18.09 (11.42, 27.71)	1.89 (1.54, 2.24)	<0.001	
Libya	15 (10, 20)	4.49 (2.93, 6.69)	51 (35, 70)	5.43 (3.47, 8.03)	0.58 (0.22, 0.94)	0.001	

Lithuania	89 (82, 96)	11.55 (9.81, 13.6)	119 (101, 138)	14.87 (11.66, 18.55)	0.87 (-0.43, 2.18)	0.192
Luxembourg	13 (12, 14)	15.53 (13.47, 17.84)	18 (16, 21)	11.58 (9.73, 13.82)	-0.82 (-1.66, 0.02)	0.056
Madagascar	456 (331, 575)	49.9 (33.9, 67.76)	774 (530, 1074)	35.19 (22.47, 52.25)	-1.12 (-1.41, -0.82)	<0.001
Malawi	480 (375, 594)	69.03 (50.77, 91.61)	1112 (877, 1424)	85.87 (61.69, 118.58)	0.74 (0.51, 0.97)	<0.001
Malaysia	132 (106, 158)	8.5 (6.32, 11.22)	405 (327, 488)	8.03 (5.95, 10.68)	-0.22 (-0.99, 0.57)	0.589
Maldives	2 (1, 2)	10.08 (6.59, 13.97)	2 (1, 2)	3.11 (2.15, 4.31)	-3.83 (-4.17, -3.48)	<0.001
Mali	60 (49, 72)	8.12 (5.95, 10.84)	125 (93, 164)	7.9 (5.34, 11.12)	-0.04 (-0.27, 0.2)	0.759
Malta	6 (5, 7)	8.85 (7.38, 10.49)	9 (7, 10)	7.11 (5.75, 8.68)	-0.79 (-1.87, 0.3)	0.155
Marshall Islands	0 (0, 0)	9.14 (5.62, 13.54)	1 (0, 1)	7.53 (4.81, 11.49)	-0.61 (-0.71, -0.51)	<0.001
Mauritania	19 (15, 25)	11.84 (8.18, 16.52)	59 (40, 84)	15.74 (9.94, 23.71)	0.93 (0.51, 1.35)	<0.001
Mauritius	15 (14, 16)	11.51 (10.21, 12.92)	38 (34, 41)	11.52 (9.8, 13.22)	0.4 (-1.4, 2.23)	0.664
Mexico	380 (371, 388)	5.36 (5.18, 5.54)	832 (706, 967)	3.87 (3.27, 4.5)	-1.09 (-1.44, -0.74)	<0.001
Micronesia (Federated States of)	1 (1, 1)	10 (6.75, 14.27)	1 (1, 2)	8.38 (5.45, 12.41)	-0.58 (-0.63, -0.53)	<0.001
Monaco	1 (1, 2)	14.83 (10.38, 20.33)	2 (2, 3)	16.76 (12.01, 23.16)	0.38 (0.27, 0.49)	<0.001
Mongolia	119 (90, 152)	67.9 (50.79, 88.05)	175 (132, 226)	40.26 (29.9, 52.21)	-1.64 (-1.84, -1.44)	<0.001
Montenegro	8 (7, 10)	7.24 (5.64, 9.26)	12 (9, 16)	7.56 (5.67, 9.93)	0.25 (-0.26, 0.76)	0.344
Morocco	61 (46, 77)	2.58 (1.82, 3.54)	163 (113, 211)	2.62 (1.72, 3.67)	0.03 (-0.17, 0.22)	0.787
Mozambique	248 (192, 320)	23.04 (16.05, 31.86)	564 (423, 738)	28.1 (19.01, 39.63)	0.65 (0.5, 0.8)	<0.001
Myanmar	567 (405, 754)	13.42 (8.8, 19.57)	624 (457, 870)	6.94 (4.64, 10.14)	-2.13 (-2.25, -2.01)	<0.001
Namibia	10 (8, 12)	8.27 (5.92, 11.26)	20 (15, 28)	8.23 (5.55, 12.06)	0.04 (-0.2, 0.28)	0.76
Nauru	0 (0, 0)	12.82 (8.28, 18.85)	0 (0, 0)	10.43 (6.61, 15.46)	-0.66 (-0.79, -0.53)	<0.001
Nepal	280 (208, 376)	16.16 (11.01, 23.28)	460 (318, 666)	11.31 (7.24, 16.98)	-1.14 (-1.24, -1.03)	<0.001
Netherlands	415 (384, 449)	14.23 (12.43, 16.25)	986 (903, 1086)	20.09 (17.09, 23.58)	1.12 (0.84, 1.41)	<0.001
New Zealand	85 (78, 94)	14.18 (12.24, 16.38)	119 (109, 131)	9.59 (8.15, 11.17)	-1.38 (-2.37, -0.38)	0.007
Nicaragua	7 (6, 8)	2.7 (2.01, 3.53)	19 (14, 25)	2.28 (1.63, 3.14)	-0.6 (-0.91, -0.29)	<0.001
Niger	47 (34, 61)	9.37 (6.43, 13.29)	191 (131, 261)	12.77 (8.02, 18.54)	1.06 (0.68, 1.44)	<0.001
Nigeria	656 (483, 919)	8.6 (6.28, 12.06)	2025 (1357, 2820)	12.18 (8.01, 16.94)	1.12 (0.98, 1.25)	<0.001
Niue	0 (0, 0)	7.09 (4.85, 10.1)	0 (0, 0)	7.3 (4.83, 10.52)	0.1 (-0.01, 0.2)	0.067
North Macedonia	16 (13, 20)	4.68 (3.73, 5.88)	26 (18, 34)	4.44 (3.13, 6.03)	-0.2 (-0.47, 0.08)	0.158
Northern Mariana Islands	0 (0, 0)	3.95 (2.76, 5.63)	1 (1, 1)	7.43 (5.17, 10.25)	2.04 (1.45, 2.64)	<0.001
Norway	72 (70, 75)	8.3 (7.8, 8.83)	125 (117, 132)	9.18 (8.43, 9.97)	0.28 (-0.63, 1.2)	0.548
Oman	7 (5, 10)	6.49 (4.25, 9.46)	16 (12, 22)	4.57 (3.13, 6.49)	-1.1 (-1.83, -0.36)	0.004
Pakistan	1886 (1591, 2202)	20.16 (16.09, 24.86)	4327 (3384, 5526)	19.8 (14.83, 25.82)	-0.04 (-0.15, 0.06)	0.44

Palau	0 (0, 0)	8.6 (5.9, 11.94)	0 (0, 0)	7.2 (4.95, 10.4)	-0.58 (-0.78, -0.39)	<0.001
Palestine	5 (4, 7)	3.52 (2.36, 5.05)	11 (8, 14)	2.25 (1.64, 3.05)	-1.45 (-1.62, -1.27)	<0.001
Panama	11 (10, 12)	4.62 (4.02, 5.31)	21 (16, 26)	2.99 (2.17, 3.83)	-1.56 (-2.37, -0.74)	<0.001
Papua New Guinea	21 (14, 32)	6.01 (3.63, 9.58)	44 (30, 65)	4.69 (3.01, 7.17)	-0.78 (-0.92, -0.64)	<0.001
Paraguay	35 (29, 43)	9.74 (7.12, 13.19)	129 (94, 179)	12.99 (8.58, 19.06)	1.02 (0.82, 1.22)	<0.001
Peru	84 (65, 106)	4.27 (3.12, 5.6)	155 (109, 217)	2.88 (1.93, 4.19)	-0.9 (-2, 0.2)	0.109
Philippines	209 (179, 248)	4.02 (3.43, 4.81)	644 (515, 776)	4.24 (3.39, 5.17)	0.16 (0.04, 0.28)	0.008
Poland	860 (830, 889)	11.67 (11.11, 12.25)	1147 (1034, 1260)	10.89 (9.72, 12)	-0.17 (-0.45, 0.11)	0.226
Portugal	308 (283, 332)	13.77 (11.62, 16.16)	379 (342, 424)	12.78 (10.52, 15.45)	-0.17 (-0.73, 0.39)	0.556
Puerto Rico	96 (88, 103)	17.16 (14.62, 20.03)	63 (50, 77)	7.04 (5.35, 9.01)	-3.06 (-3.84, -2.27)	<0.001
Qatar	2 (2, 3)	11.35 (7.92, 15.72)	10 (7, 14)	5.06 (3.27, 7.49)	-2.57 (-3.06, -2.08)	<0.001
Republic of Korea	1172 (944, 1439)	21.35 (15.92, 28)	1536 (1222, 1930)	9.6 (6.9, 12.93)	-2.58 (-2.94, -2.22)	<0.001
Republic of Moldova	71 (66, 77)	8.8 (7.67, 10.07)	75 (66, 86)	7.6 (6.31, 9.15)	-0.5 (-1.44, 0.44)	0.297
Romania	259 (239, 285)	5.1 (4.32, 5.98)	529 (454, 613)	10.33 (8.16, 12.85)	2.31 (1.92, 2.71)	<0.001
Russian Federation	5801 (5693, 5914)	17.92 (17.4, 18.46)	4837 (4308, 5305)	12.31 (10.96, 13.52)	-0.96 (-1.66, -0.26)	0.008
Rwanda	396 (272, 503)	75.52 (49.07, 104.79)	412 (296, 550)	34.96 (22.63, 50.91)	-2.44 (-2.6, -2.28)	<0.001
Saint Kitts and Nevis	1 (1, 1)	13.19 (11.35, 15.15)	2 (1, 2)	12.05 (9.31, 15.21)	-0.33 (-0.96, 0.3)	0.308
Saint Lucia	2 (2, 2)	14.85 (12.72, 17.13)	5 (4, 6)	12.49 (9.42, 16.12)	-0.49 (-1.19, 0.22)	0.174
Saint Vincent and the Grenadines	1 (1, 1)	6.64 (5.69, 7.72)	2 (2, 2)	7.48 (6.08, 9.14)	0.37 (-0.14, 0.89)	0.159
Samoa	1 (0, 1)	4.08 (2.85, 5.55)	1 (1, 1)	3.64 (2.53, 5)	-0.37 (-0.41, -0.33)	<0.001
San Marino	0 (0, 0)	5.08 (3.49, 7.35)	0 (0, 0)	2.88 (1.57, 4.69)	-2.09 (-2.35, -1.83)	<0.001
Sao Tome and Principe	1 (1, 1)	7.62 (5.44, 10.5)	3 (2, 4)	14.73 (10.16, 20.74)	2.19 (1.91, 2.46)	<0.001
Saudi Arabia	61 (42, 84)	6.33 (4.15, 9.1)	172 (128, 234)	4.57 (3.23, 6.41)	-1 (-1.21, -0.8)	<0.001
Senegal	56 (43, 70)	10.03 (7.08, 13.82)	215 (154, 293)	15.77 (10.42, 22.7)	1.47 (1.16, 1.79)	<0.001
Serbia	179 (133, 246)	7.98 (5.8, 10.96)	190 (134, 263)	7.84 (5.53, 10.87)	0.12 (-0.58, 0.82)	0.739
Seychelles	2 (1, 2)	19.3 (14.06, 25.89)	3 (2, 4)	14.89 (10.49, 20.35)	-0.73 (-1.17, -0.29)	0.001
Sierra Leone	30 (22, 39)	9.14 (6.17, 12.97)	100 (72, 136)	15.63 (10.17, 22.63)	1.75 (1.63, 1.88)	<0.001
Singapore	58 (53, 63)	15.4 (13.16, 18.11)	105 (94, 116)	7.06 (5.76, 8.49)	-2.34 (-4.34, -0.3)	0.025
Slovakia	155 (114, 206)	15.9 (11.43, 21.64)	186 (131, 262)	12.81 (8.91, 18.1)	-0.62 (-1.19, -0.04)	0.035
Slovenia	52 (48, 58)	12.63 (10.76, 14.82)	50 (42, 59)	8.12 (6.39, 10.16)	-1.58 (-2.54, -0.61)	0.001
Solomon Islands	2 (1, 3)	8.66 (5.14, 12.92)	5 (3, 7)	7.43 (4.62, 11.29)	-0.56 (-0.9, -0.22)	0.001

Somalia	330 (223, 458)	74.05 (47.47, 107.64)	568 (392, 778)	51.36 (33.12, 74.92)	-1.16 (-1.24, -1.09)	<0.001
South Africa	1193 (1041, 1433)	34.21 (29.18, 41.67)	2813 (2549, 3125)	34.2 (30.02, 38.92)	-0.12 (-0.9, 0.67)	0.773
South Sudan	263 (187, 361)	61.53 (40.29, 89.56)	375 (260, 509)	51.52 (33.64, 76.66)	-0.56 (-0.67, -0.44)	<0.001
Spain	1186 (1098, 1287)	14.23 (12.13, 16.58)	1214 (1088, 1339)	9.71 (7.97, 11.73)	-1.28 (-1.69, -0.87)	<0.001
Sri Lanka	308 (253, 378)	16.43 (12.22, 21.99)	607 (367, 873)	12.86 (7.4, 19.18)	-0.71 (-1.29, -0.12)	0.018
Sudan	223 (136, 301)	14.76 (8.59, 21.64)	402 (238, 589)	11.99 (7.09, 18.23)	-0.67 (-0.71, -0.62)	<0.001
Suriname	3 (2, 3)	5.58 (4.22, 7.27)	6 (5, 8)	5.5 (3.66, 7.85)	0.02 (-0.76, 0.82)	0.955
Sweden	150 (140, 162)	7.89 (6.97, 8.89)	198 (170, 229)	7.7 (6.36, 9.22)	-0.09 (-0.95, 0.77)	0.83
Switzerland	215 (199, 232)	15.07 (12.93, 17.54)	223 (201, 247)	9.36 (7.78, 11.24)	-1.62 (-2.04, -1.2)	<0.001
Syrian Arab Republic	22 (17, 29)	2.34 (1.72, 3.12)	59 (40, 83)	2.3 (1.54, 3.25)	-0.06 (-0.28, 0.16)	0.604
Taiwan (Province of China)	869 (805, 939)	29.66 (25.55, 34.17)	2331 (2066, 2567)	34.08 (28.79, 39.92)	0.4 (0.26, 0.55)	<0.001
Tajikistan	172 (137, 210)	34.98 (27.51, 43.54)	185 (133, 245)	16.05 (11.46, 21.54)	-2.6 (-2.91, -2.3)	<0.001
Thailand	1058 (800, 1448)	16.32 (11.15, 24.15)	2908 (2095, 3923)	15.44 (10.15, 22.65)	-0.21 (-0.43, 0.02)	0.068
Timor-Leste	4 (3, 6)	8.44 (5.28, 12.47)	9 (6, 13)	6.43 (4.12, 9.51)	-0.88 (-1.08, -0.69)	<0.001
Togo	21 (17, 27)	9.96 (6.97, 13.75)	138 (96, 193)	19.26 (12.21, 28.57)	2.14 (1.89, 2.4)	<0.001
Tokelau	0 (0, 0)	6.4 (3.95, 9.42)	0 (0, 0)	5.28 (3.39, 7.63)	-0.66 (-0.89, -0.43)	<0.001
Tonga	1 (0, 1)	6.01 (4.23, 8.37)	1 (1, 1)	5.83 (3.84, 8.45)	-0.11 (-0.5, 0.29)	0.59
Trinidad and Tobago	10 (9, 10)	7.33 (6.38, 8.42)	20 (15, 26)	6.11 (4.42, 8.3)	-0.28 (-0.8, 0.24)	0.294
Tunisia	17 (13, 22)	1.9 (1.39, 2.57)	45 (29, 65)	1.9 (1.19, 2.89)	0 (-0.14, 0.13)	0.983
Turkey	426 (334, 525)	6.68 (4.87, 8.93)	712 (522, 924)	4.4 (3.01, 5.99)	-4.12 (-4.98, -3.24)	<0.001
Turkmenistan	337 (314, 360)	98.3 (89.77, 107.01)	207 (156, 269)	26.49 (19.95, 34.7)	-0.84 (-0.89, -0.8)	<0.001
Tuvalu	0 (0, 0)	8.32 (5.82, 11.69)	0 (0, 0)	6.39 (4.33, 9.17)	-1.4 (-1.66, -1.14)	<0.001
Uganda	540 (415, 676)	48.46 (34.27, 67.3)	1257 (937, 1659)	47.89 (32.72, 67.28)	-0.07 (-0.31, 0.18)	0.6
Ukraine	1581 (1448, 1730)	12.69 (10.71, 14.97)	1231 (827, 1760)	10.23 (6.55, 15.08)	-0.61 (-1.11, -0.1)	0.019
United Arab Emirates	5 (4, 7)	7.44 (4.88, 10.97)	34 (24, 45)	3.23 (2.15, 4.57)	-2.63 (-3.15, -2.1)	<0.001
United Kingdom	2663 (2613, 2700)	21.18 (20.67, 21.66)	3262 (3157, 3352)	19.16 (18.44, 19.87)	-0.21 (-0.39, -0.03)	0.026
United Republic of Tanzania	1046 (783, 1337)	54.21 (37.64, 75.04)	1619 (1146, 2206)	36.05 (23.82, 51.88)	-1.3 (-1.42, -1.19)	<0.001
United States of America	6415 (6260, 6538)	14.23 (13.77, 14.65)	11179 (10798, 11503)	12.69 (12.17, 13.16)	-0.44 (-0.55, -0.33)	<0.001
United States Virgin Islands	1 (1, 2)	10.07 (7.25, 13.6)	2 (1, 2)	6.45 (4.29, 9.25)	-1.52 (-2.26, -0.78)	<0.001
Uruguay	153 (141, 167)	25 (21.22, 29.28)	113 (100, 124)	14.84 (12.34, 17.71)	-1.76 (-2.31, -1.21)	<0.001
Uzbekistan	980 (882, 1072)	49.2 (43.04, 55.81)	574 (470, 697)	10.98 (8.75, 13.72)	-4.81 (-5.91, -3.7)	<0.001
Vanuatu	1 (1, 1)	7.71 (4.96, 11.54)	2 (2, 3)	6.67 (4.5, 9.52)	-0.5 (-0.76, -0.24)	<0.001

Venezuela (Bolivarian Republic of)	110 (102, 119)	6.96 (6.07, 7.92)	238 (161, 324)	4.53 (3.05, 6.44)	-1.63 (-1.78, -1.47)	<0.001
Viet Nam	507 (358, 703)	7.26 (4.77, 10.57)	1598 (1114, 2176)	8.5 (5.57, 12.48)	0.52 (0.37, 0.67)	<0.001
Yemen	142 (85, 209)	16.11 (9.27, 24.42)	273 (141, 406)	11.2 (5.64, 17.33)	-1.15 (-1.26, -1.03)	<0.001
Zambia	339 (259, 424)	66.49 (46.87, 90.96)	648 (431, 1005)	52.58 (32.27, 90.05)	-0.76 (-0.9, -0.61)	<0.001
Zimbabwe	291 (228, 361)	40.43 (28.96, 55.29)	625 (461, 800)	49.6 (33.65, 67.6)	0.68 (0.44, 0.92)	<0.001
MOEC						
Afghanistan	176 (98, 243)	55.93 (29.35, 83.85)	197 (105, 280)	48.58 (24.51, 73.29)	-0.45 (-0.5, -0.41)	<0.001
Albania	14 (11, 16)	13.99 (10.79, 17.9)	29 (21, 38)	10.87 (7.77, 14.56)	-0.88 (-1.53, -0.23)	0.008
Algeria	33 (26, 39)	6.29 (4.6, 8.4)	95 (73, 118)	5.9 (4.15, 8.06)	-0.18 (-0.32, -0.04)	0.012
American Samoa	0 (0, 0)	8.72 (6.34, 11.88)	0 (0, 0)	11.36 (8.14, 15.33)	0.86 (0.11, 1.61)	0.024
Andorra	0 (0, 1)	12.86 (8.7, 18.6)	1 (1, 1)	9.39 (5.88, 13.92)	-1.12 (-1.47, -0.77)	<0.001
Angola	89 (64, 119)	68.39 (46.14, 98.18)	212 (150, 284)	54.09 (35.41, 77.59)	-0.74 (-0.85, -0.64)	<0.001
Antigua and Barbuda	1 (1, 1)	24.04 (20.88, 27.34)	1 (1, 1)	22.91 (19.73, 26.34)	-0.28 (-0.97, 0.43)	0.44
Argentina	985 (904, 1080)	53.81 (45.65, 62.45)	1223 (1097, 1354)	33.85 (28.09, 40.1)	-1.46 (-1.9, -1.01)	<0.001
Armenia	24 (22, 27)	20.06 (17.78, 22.47)	19 (17, 22)	7.83 (6.72, 9.02)	-3.02 (-3.65, -2.4)	<0.001
Australia	412 (376, 447)	34.16 (29.27, 39.33)	1112 (957, 1234)	34.96 (28.36, 41.56)	0 (-0.53, 0.53)	0.997
Austria	122 (111, 132)	15.51 (13.3, 17.92)	241 (209, 268)	19.12 (15.57, 22.86)	0.73 (-0.04, 1.5)	0.063
Azerbaijan	119 (101, 138)	53.15 (42.89, 64.87)	165 (122, 218)	42.99 (31.09, 56.89)	-0.61 (-0.88, -0.33)	<0.001
Bahamas	3 (2, 3)	33.82 (29.11, 38.76)	6 (5, 7)	31.28 (24.84, 39.05)	-0.18 (-1.15, 0.79)	0.713
Bahrain	2 (2, 2)	36.15 (27.6, 47.17)	5 (4, 6)	23.52 (17.28, 31.29)	-1.37 (-1.9, -0.84)	<0.001
Bangladesh	623 (425, 840)	27.33 (17.84, 39.47)	1564 (1093, 2182)	21.83 (14.33, 31.62)	-0.56 (-1.28, 0.16)	0.129
Barbados	9 (8, 10)	41.83 (36.64, 47.76)	12 (10, 15)	38.56 (30, 47.99)	-0.23 (-0.8, 0.34)	0.428
Belarus	96 (85, 107)	13.81 (11.57, 16.28)	114 (93, 139)	12.06 (9.17, 15.41)	-0.66 (-1.61, 0.31)	0.182
Belgium	268 (239, 292)	27.26 (22.96, 31.67)	545 (469, 605)	33.33 (26.97, 39.74)	0.68 (0.24, 1.13)	0.003
Belize	1 (1, 1)	13.28 (11.52, 15.08)	2 (2, 2)	14.09 (11.53, 16.81)	0.23 (-0.42, 0.88)	0.495
Benin	22 (17, 27)	20.93 (15.45, 27.62)	79 (57, 104)	35.47 (24.02, 49.29)	1.73 (1.57, 1.89)	<0.001
Bermuda	2 (2, 2)	50.32 (42.37, 59.44)	3 (3, 4)	31.63 (24.82, 40.16)	-1.55 (-2.32, -0.76)	<0.001
Bhutan	3 (2, 4)	30.36 (18.95, 44.28)	9 (6, 11)	26.83 (17.98, 37.16)	-0.39 (-0.48, -0.3)	<0.001
Bolivia (Plurinational State of)	34 (25, 43)	22.76 (16.23, 30.68)	93 (68, 123)	20.62 (14.56, 28.84)	-0.32 (-0.42, -0.21)	<0.001

Bosnia and Herzegovina	25 (21, 29)	14.36 (11.76, 17.42)	50 (38, 64)	12.93 (9.74, 16.54)	-0.26 (-0.52, 0)	0.054
Botswana	17 (12, 22)	75.46 (52.11, 105.35)	36 (27, 47)	61.7 (43.96, 84.22)	-0.69 (-1.19, -0.18)	0.008
Brazil	1746 (1625, 1832)	41.89 (38.11, 44.73)	4109 (3697, 4382)	29.18 (25.82, 31.56)	-1.12 (-1.32, -0.93)	<0.001
Brunei Darussalam	1 (1, 1)	22.7 (16.74, 29.53)	2 (2, 3)	17.24 (12.87, 22.72)	-0.97 (-1.67, -0.27)	0.007
Bulgaria	87 (80, 94)	13.73 (12.27, 15.31)	111 (96, 126)	10.87 (9.16, 12.73)	-1.02 (-1.29, -0.76)	<0.001
Burkina Faso	44 (34, 55)	22.22 (16.27, 30.25)	164 (111, 216)	38.86 (25.04, 55.7)	1.85 (1.56, 2.14)	<0.001
Burundi	124 (91, 159)	109.18 (75.24, 146.74)	129 (93, 169)	72.91 (50.34, 101.77)	-1.29 (-1.38, -1.21)	<0.001
Cabo Verde	10 (8, 12)	68.1 (49.08, 89.86)	21 (17, 27)	105.05 (75.6, 142.8)	1.44 (0.51, 2.38)	0.002
Cambodia	48 (36, 60)	25.09 (17.89, 34.06)	112 (82, 149)	20.67 (14.37, 28.79)	-0.61 (-0.67, -0.56)	<0.001
Cameroon	44 (35, 56)	24.02 (17.26, 32.62)	212 (144, 288)	42.07 (26.94, 60.32)	1.84 (1.69, 1.98)	<0.001
Canada	560 (508, 612)	27.8 (23.6, 32.2)	1571 (1379, 1723)	31.94 (26.19, 37.87)	0.41 (0.21, 0.61)	<0.001
Central African Republic	28 (21, 36)	75.21 (51.22, 104.43)	40 (28, 52)	63.24 (42.01, 92.01)	-0.55 (-0.62, -0.48)	<0.001
Chad	26 (21, 32)	17.08 (12.46, 23.05)	89 (65, 115)	36.87 (24.8, 51.27)	2.56 (2.37, 2.76)	<0.001
Chile	366 (334, 396)	68.35 (58.56, 79.12)	497 (435, 548)	30.97 (25.59, 36.61)	-2.58 (-3.13, -2.03)	<0.001
China	62387 (51372, 71279)	167.57 (135.95, 192.55)	148433 (121749, 176286)	125.96 (101.01, 152.79)	-0.9 (-1.1, -0.69)	<0.001
Colombia	288 (264, 312)	34.68 (29.87, 39.78)	524 (433, 622)	16.12 (12.59, 20.02)	-2.48 (-3.07, -1.88)	<0.001
Comoros	8 (6, 10)	100.97 (69.6, 140.27)	20 (15, 26)	88.01 (60, 125.52)	-0.46 (-0.61, -0.3)	<0.001
Congo	40 (29, 51)	91.69 (62.83, 127.98)	65 (49, 84)	69.59 (48.38, 99.18)	-0.85 (-1, -0.7)	<0.001
Cook Islands	0 (0, 0)	22.37 (15.82, 30.45)	0 (0, 0)	18.83 (13.2, 26.07)	-0.59 (-0.99, -0.19)	0.004
Costa Rica	20 (18, 22)	20.86 (17.54, 24.54)	42 (36, 48)	13.12 (10.57, 15.96)	-1.34 (-1.68, -1)	<0.001
Côte d'Ivoire	11 (9, 14)	8.61 (6.33, 11.28)	37 (29, 48)	8.9 (6.44, 12.21)	-1.1 (-1.69, -0.52)	<0.001
Croatia	65 (59, 71)	22.24 (19.14, 25.75)	100 (86, 113)	16.16 (13.35, 19.29)	0.23 (0.02, 0.45)	0.035
Cuba	175 (159, 190)	28.04 (23.83, 32.74)	355 (304, 412)	28.36 (22.89, 34.65)	-0.34 (-0.65, -0.03)	0.029
Cyprus	5 (4, 7)	13.22 (9.11, 17.79)	16 (13, 20)	12.3 (8.88, 16.58)	0.75 (0.11, 1.39)	0.022
Czechia	133 (120, 147)	15.96 (13.8, 18.25)	302 (261, 350)	19.58 (15.97, 23.39)	0.13 (-0.06, 0.32)	0.188
Democratic People's Republic of Korea	433 (319, 567)	65.84 (45.98, 90.15)	931 (682, 1240)	52.91 (36.97, 73.37)	-0.7 (-0.76, -0.65)	<0.001
Democratic Republic of the Congo	347 (250, 466)	62.02 (41.79, 88.1)	661 (459, 914)	53.23 (34.58, 80.91)	-0.5 (-0.62, -0.38)	<0.001
Denmark	173 (158, 187)	30.74 (26.37, 35.23)	336 (291, 371)	38.71 (31.68, 46.03)	0.58 (-0.26, 1.42)	0.177
Djibouti	4 (3, 5)	93.89 (64.9, 132.89)	18 (12, 26)	84.58 (54.98, 126.73)	-0.33 (-0.4, -0.27)	<0.001

Dominica	1 (1, 2)	37.12 (28.7, 48.05)	2 (1, 2)	34.98 (25.98, 46.96)	-0.19 (-0.29, -0.09)	<0.001
Dominican Republic	23 (19, 29)	13.43 (10.16, 17.59)	78 (59, 103)	13.87 (9.77, 19.22)	0.05 (-0.72, 0.82)	0.901
Ecuador	48 (43, 53)	17.92 (15.33, 20.93)	109 (88, 134)	11.63 (8.88, 15.02)	-1.29 (-2.22, -0.36)	0.007
Egypt	78 (65, 105)	8.63 (6.33, 11.8)	186 (147, 235)	8.66 (6.31, 11.64)	0.05 (-0.34, 0.44)	0.813
El Salvador	23 (20, 26)	14.45 (11.7, 17.45)	51 (40, 63)	13.02 (9.66, 16.97)	-0.34 (-1.34, 0.66)	0.504
Equatorial Guinea	6 (4, 7)	73.34 (50.27, 101.24)	12 (9, 16)	62.08 (41.81, 88.61)	-0.49 (-0.71, -0.27)	<0.001
Eritrea	31 (20, 42)	107.38 (68.44, 155.76)	85 (60, 123)	96.53 (63.62, 147.71)	-0.33 (-0.36, -0.29)	<0.001
Estonia	20 (18, 22)	17.02 (14.41, 19.79)	31 (27, 36)	16.76 (13.28, 20.59)	-0.2 (-1.04, 0.64)	0.635
Eswatini	11 (8, 14)	94.94 (66.63, 127.61)	20 (15, 26)	89.67 (60.53, 124.64)	-0.16 (-0.38, 0.07)	0.167
Ethiopia	442 (317, 578)	55.98 (38.83, 75.33)	715 (578, 955)	36.74 (28.44, 49.98)	-1.35 (-1.46, -1.25)	<0.001
Fiji	2 (2, 2)	15.97 (11.03, 21.82)	6 (4, 7)	19.66 (12.43, 28.07)	0.69 (0.4, 0.99)	<0.001
Finland	131 (118, 142)	28.38 (24.46, 32.13)	257 (222, 283)	26.91 (22.22, 31.44)	-0.05 (-0.5, 0.4)	0.83
France	2236 (2000, 2423)	43 (36.55, 49.8)	3477 (2959, 3887)	33.49 (26.52, 40.27)	-0.74 (-1.18, -0.31)	0.001
Gabon	22 (16, 28)	77.93 (52.85, 108.07)	28 (21, 36)	70.67 (48.56, 96.4)	-0.25 (-0.33, -0.17)	<0.001
Gambia	2 (1, 2)	9.9 (7.11, 13.29)	6 (4, 7)	13.14 (9.18, 17.93)	0.94 (0.54, 1.33)	<0.001
Georgia	46 (40, 54)	13.85 (11.79, 16.15)	28 (24, 34)	7.88 (6.53, 9.33)	-1.97 (-2.82, -1.11)	<0.001
Germany	1453 (1327, 1573)	17.5 (15.01, 20.09)	4073 (3490, 4532)	30.08 (24.5, 36.07)	1.89 (1.18, 2.59)	<0.001
Ghana	43 (32, 53)	16.63 (11.81, 22.33)	186 (118, 250)	27.2 (16.24, 39.4)	1.6 (1.47, 1.74)	<0.001
Greece	190 (173, 204)	19.82 (17.26, 22.35)	224 (196, 244)	11.89 (9.96, 13.62)	-1.7 (-1.99, -1.4)	<0.001
Greenland	1 (1, 2)	101.06 (78.64, 128.52)	2 (2, 3)	71.77 (51.9, 99.87)	-0.98 (-1.21, -0.74)	<0.001
Grenada	2 (2, 2)	38.84 (32.12, 46.49)	2 (2, 2)	31.06 (24.87, 38.6)	-0.84 (-3.43, 1.82)	0.533
Guam	0 (0, 0)	17.32 (13.19, 21.96)	1 (1, 2)	9.96 (7.26, 13.05)	-1.4 (-2, -0.79)	<0.001
Guatemala	30 (28, 32)	22.98 (20.32, 25.71)	84 (73, 98)	14.45 (11.91, 17.3)	-1.52 (-2.45, -0.59)	0.001
Guinea	13 (10, 17)	7.95 (5.64, 10.65)	24 (17, 31)	9.07 (6.1, 12.83)	0.45 (0.32, 0.58)	<0.001
Guinea-Bissau	5 (4, 6)	27.6 (19.59, 37.02)	12 (8, 15)	46.23 (31.13, 63.88)	1.69 (1.57, 1.81)	<0.001
Guyana	2 (2, 3)	13.64 (11.38, 16.24)	3 (3, 4)	11.82 (8.95, 15.2)	-0.32 (-0.79, 0.16)	0.194
Haiti	44 (33, 56)	33.64 (23.19, 46.27)	75 (54, 103)	26.9 (17.99, 38.03)	-0.69 (-0.78, -0.59)	<0.001
Honduras	8 (6, 9)	7.84 (5.88, 10.32)	39 (30, 49)	12.7 (9.05, 17.29)	1.61 (1.33, 1.9)	<0.001
Hungary	127 (115, 141)	14.99 (12.67, 17.54)	187 (160, 214)	14 (11.63, 16.66)	-0.11 (-0.66, 0.44)	0.69
Iceland	6 (6, 7)	34.4 (28.55, 40.25)	13 (11, 15)	33.85 (26.84, 40.86)	0.03 (-0.83, 0.89)	0.95

		40.28)		40.82)		
India	3604 (3033, 4648)	19.93 (16.46, 25.87)	11494 (10037, 14395)	19.5 (16.81, 24.58)	-0.02 (-0.57, 0.54)	0.942
Indonesia	444 (327, 565)	11.68 (8.46, 15.15)	1124 (866, 1404)	12.04 (9.16, 15.31)	0.1 (0.04, 0.16)	<0.001
Iran (Islamic Republic of)	363 (309, 408)	40.41 (33.65, 46.07)	1260 (1107, 1388)	34.3 (29.68, 38.23)	-0.56 (-0.7, -0.43)	<0.001
Iraq	30 (22, 38)	7.42 (5.42, 10.03)	89 (66, 115)	9.09 (6.48, 12.16)	0.71 (0.53, 0.89)	<0.001
Ireland	166 (150, 181)	62.25 (52.93, 71.86)	269 (228, 302)	51.01 (41.06, 61.6)	-0.59 (-0.97, -0.22)	0.002
Israel	52 (46, 57)	17.23 (14.46, 20.18)	107 (92, 121)	12.6 (10.12, 14.99)	-1.03 (-1.99, -0.07)	0.036
Italy	1243 (1127, 1305)	22.13 (19.91, 23.7)	1518 (1302, 1642)	13.8 (11.84, 15.13)	-1.56 (-1.81, -1.3)	<0.001
Jamaica	27 (24, 29)	22.81 (19, 26.73)	40 (32, 50)	22.09 (16.2, 28.93)	0.54 (-1.7, 2.83)	0.637
Japan	4840 (4461, 5046)	48.8 (44.37, 51.84)	15243 (13299, 16327)	52.44 (45.86, 56.54)	0.22 (-0.07, 0.5)	0.14
Jordan	4 (3, 5)	8.12 (5.93, 10.87)	21 (16, 26)	7.1 (5, 9.73)	-0.4 (-1, 0.21)	0.202
Kazakhstan	806 (730, 885)	132.89 (117.27, 148.32)	289 (247, 332)	35.69 (30.29, 41.26)	-4.11 (-4.88, -3.33)	<0.001
Kenya	210 (150, 314)	56.83 (40.11, 85.73)	780 (564, 1121)	85.52 (60.66, 124.16)	1.33 (1.19, 1.48)	<0.001
Kiribati	1 (0, 1)	37.98 (25.89, 53.01)	1 (1, 1)	35.62 (22.66, 49.69)	-0.19 (-0.26, -0.12)	<0.001
Kuwait	3 (2, 3)	13.3 (10.9, 15.93)	9 (7, 12)	9.06 (6.79, 11.88)	-0.99 (-2.7, 0.75)	0.264
Kyrgyzstan	74 (65, 84)	51.18 (42.39, 60.69)	41 (34, 48)	21.4 (16.93, 26.66)	-2.33 (-2.52, -2.13)	<0.001
Lao People's Democratic Republic	22 (16, 30)	24.38 (16.33, 34.12)	33 (24, 45)	17.04 (11.7, 24.46)	-1.16 (-1.24, -1.08)	<0.001
Latvia	33 (29, 36)	15.59 (13.42, 18.09)	39 (34, 46)	14.32 (11.58, 17.39)	-0.04 (-1, 0.94)	0.94
Lebanon	9 (7, 12)	9.5 (6.92, 12.85)	32 (25, 39)	7.92 (5.69, 10.66)	-0.53 (-0.72, -0.33)	<0.001
Lesotho	28 (21, 37)	65.56 (45.7, 91.64)	43 (31, 56)	88.52 (59.33, 122.23)	1.02 (0.75, 1.29)	<0.001
Liberia	13 (10, 16)	21.23 (15.46, 28.62)	31 (21, 43)	39.16 (25.44, 56.74)	1.98 (1.82, 2.14)	<0.001
Libya	8 (6, 11)	9.51 (6.39, 13.42)	25 (18, 33)	11.54 (7.95, 16.36)	0.64 (0.22, 1.06)	0.002
Lithuania	41 (38, 45)	16.11 (13.63, 18.63)	66 (56, 76)	17.06 (13.72, 20.82)	0.17 (-0.12, 0.47)	0.236
Luxembourg	11 (10, 12)	31.45 (27.48, 35.84)	19 (17, 21)	27.29 (22.79, 31.84)	-0.47 (-0.98, 0.04)	0.069
Madagascar	188 (141, 231)	86.99 (61.26, 116.33)	256 (176, 354)	71.67 (47.45, 104.96)	-0.63 (-0.78, -0.49)	<0.001
Malawi	200 (161, 248)	132.61 (97.07, 172.04)	513 (401, 641)	166.24 (120.31, 221.99)	0.75 (0.61, 0.9)	<0.001
Malaysia	80 (66, 96)	18.42 (13.64, 24.31)	271 (223, 322)	19.35 (14.48, 25.05)	-0.02 (-0.32, 0.28)	0.888
Maldives	1 (0, 1)	18.43 (13.17, 25.18)	1 (1, 2)	10.1 (7.35, 13.38)	-2.11 (-2.35, -1.86)	<0.001
Mali	26 (22, 31)	15.79 (11.82, 20.75)	63 (47, 81)	17.01 (11.84, 23.43)	0.3 (0.03, 0.56)	0.027
Malta	5 (5, 6)	21.42 (17.91, 25.39)	12 (11, 14)	17.36 (13.93, 21.21)	-0.76 (-1.33, -0.19)	0.009

Marshall Islands	0 (0, 0)	17.52 (11.54, 25.3)	0 (0, 0)	16.7 (11.31, 23.86)	-0.16 (-0.26, -0.06)	0.001
Mauritania	12 (9, 16)	23.71 (16.66, 32.65)	41 (29, 55)	40.13 (26.25, 56.78)	1.74 (1.43, 2.04)	<0.001
Mauritius	8 (7, 8)	23.7 (20.7, 26.67)	21 (19, 23)	21.12 (18.03, 24.1)	-0.41 (-2.65, 1.88)	0.724
Mexico	386 (367, 397)	19.38 (18.32, 20.2)	760 (668, 852)	11.26 (9.82, 12.72)	-1.75 (-1.93, -1.56)	<0.001
Micronesia (Federated States of)	0 (0, 1)	19.94 (14.14, 27.37)	0 (0, 1)	17 (11.82, 24.14)	-0.52 (-0.57, -0.46)	<0.001
Monaco	2 (1, 3)	38 (26.06, 52.44)	4 (3, 4)	47.72 (34.15, 63.7)	0.74 (0.66, 0.82)	<0.001
Mongolia	93 (72, 121)	179.97 (132.39, 242.55)	126 (96, 159)	147.92 (111.78, 188.65)	-0.75 (-1.11, -0.38)	<0.001
Montenegro	3 (2, 4)	9.38 (7.47, 11.82)	8 (6, 10)	13.42 (10.58, 16.88)	1.32 (0.87, 1.77)	<0.001
Morocco	40 (31, 50)	5.62 (4.07, 7.6)	105 (79, 131)	6.31 (4.44, 8.53)	0.37 (0.22, 0.51)	<0.001
Mozambique	143 (110, 176)	60.07 (41.63, 81.17)	283 (215, 359)	67.2 (46.64, 93.2)	0.42 (0.32, 0.52)	<0.001
Myanmar	220 (166, 278)	22.2 (15.25, 30.47)	347 (269, 465)	15.59 (10.88, 22.54)	-1.13 (-1.2, -1.06)	<0.001
Namibia	4 (3, 5)	13.66 (10.03, 18.27)	8 (6, 10)	13.52 (9.85, 18.13)	-0.02 (-0.19, 0.15)	0.821
Nauru	0 (0, 0)	25.29 (17.13, 35.59)	0 (0, 0)	19.71 (13.07, 27.76)	-0.79 (-0.84, -0.74)	<0.001
Nepal	105 (78, 135)	28.85 (20.03, 40.47)	302 (219, 418)	26.6 (18.14, 38.92)	-0.24 (-0.35, -0.13)	<0.001
Netherlands	455 (412, 493)	35.2 (29.89, 40.53)	1391 (1221, 1544)	56.25 (46.56, 67.08)	1.51 (1.02, 1.99)	<0.001
New Zealand	107 (96, 116)	43.22 (36.28, 49.94)	217 (190, 241)	37.89 (31.19, 44.96)	-0.43 (-0.68, -0.18)	0.001
Nicaragua	6 (5, 7)	8.4 (6.41, 10.74)	17 (13, 20)	6.66 (4.78, 8.76)	-0.79 (-1.22, -0.37)	<0.001
Niger	19 (15, 24)	18.67 (12.94, 25.44)	104 (69, 137)	30.69 (19.58, 43.31)	1.64 (1.39, 1.89)	<0.001
Nigeria	379 (301, 483)	18.13 (14.34, 22.95)	1257 (882, 1563)	33.89 (23.71, 42.54)	2.05 (1.9, 2.2)	<0.001
Niue	0 (0, 0)	15.85 (11.43, 21.45)	0 (0, 0)	17.2 (12.26, 23.22)	0.26 (0.23, 0.3)	<0.001
North Macedonia	8 (7, 9)	8.82 (7.13, 10.81)	16 (13, 20)	9.31 (7.24, 11.56)	0.17 (-0.13, 0.48)	0.273
Northern Mariana Islands	0 (0, 0)	10.16 (7.34, 13.89)	0 (0, 0)	20 (14.06, 27.59)	2.2 (1.73, 2.67)	<0.001
Norway	94 (87, 99)	19.05 (17.33, 20.46)	199 (175, 214)	28.23 (24.63, 31.17)	1.47 (1.07, 1.87)	<0.001
Oman	4 (3, 5)	13.26 (9.06, 18.28)	9 (7, 11)	13.15 (9.19, 17.72)	0.04 (-0.9, 0.99)	0.93
Pakistan	1118 (900, 1346)	39.68 (30.59, 49.71)	2101 (1691, 2648)	42.06 (32.26, 54.85)	0.21 (0.1, 0.32)	<0.001
Palau	0 (0, 0)	24.01 (17.18, 33.62)	0 (0, 0)	22.57 (15.99, 30.42)	-0.25 (-0.36, -0.14)	<0.001
Palestine	5 (4, 6)	11.88 (8.2, 16.26)	8 (6, 10)	8.11 (6.03, 10.69)	-1.3 (-1.57, -1.02)	<0.001
Panama	13 (12, 14)	16.3 (13.96, 18.55)	28 (22, 35)	10.68 (8.04, 13.31)	-1.35 (-1.69, -1.02)	<0.001
Papua New Guinea	8 (5, 11)	13.31 (8.51, 20.65)	19 (13, 28)	11.67 (7.58, 17.77)	-0.42 (-0.53, -0.3)	<0.001
Paraguay	25 (21, 31)	21.71 (16.31, 27.3)	82 (62, 109)	27.3 (19.01, 35.59)	1.02 (0.7, 1.33)	<0.001

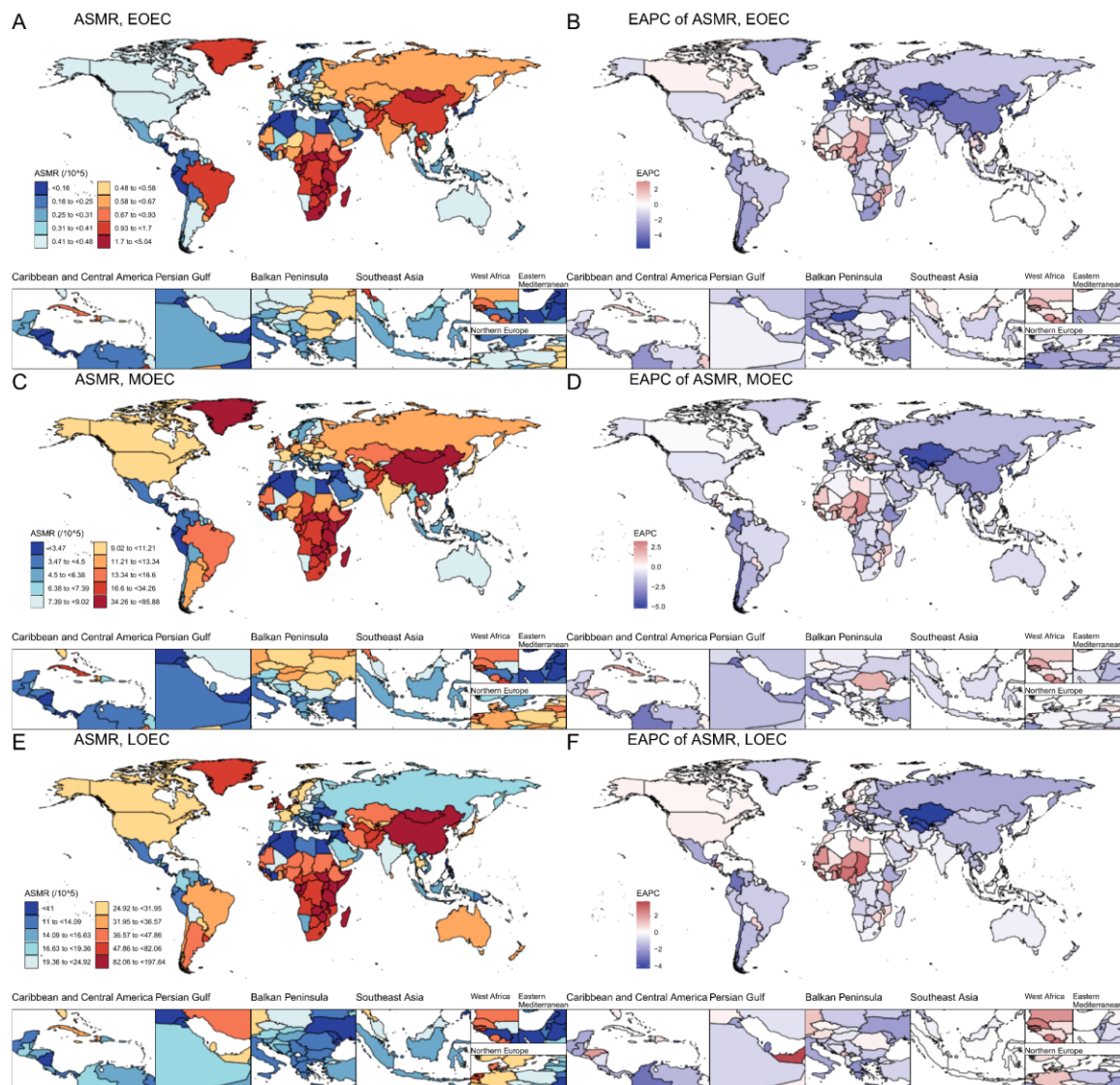
		28.39)		38.69)		
Peru	92 (76, 110)	15.12 (11.42, 19.79)	231 (178, 303)	12.01 (8.43, 16.74)	-0.67 (-1.82, 0.5)	0.262
Philippines	108 (95, 124)	8.8 (7.6, 10.35)	305 (258, 356)	8.46 (7.07, 10.11)	0.01 (-0.19, 0.2)	0.95
Poland	518 (488, 542)	21.07 (19.6, 22.24)	798 (715, 869)	16.99 (15.05, 18.65)	-0.63 (-0.94, -0.32)	<0.001
Portugal	274 (249, 299)	32.56 (27.8, 37.91)	330 (284, 367)	17.73 (14.33, 21.4)	-1.84 (-2.01, -1.66)	<0.001
Puerto Rico	102 (92, 111)	45.88 (39.3, 53.66)	91 (74, 107)	16.99 (13.21, 21.17)	-3.4 (-4.13, -2.66)	<0.001
Qatar	1 (1, 2)	50.88 (36.81, 69.82)	5 (3, 6)	27.96 (19.3, 39.35)	-1.93 (-3.24, -0.6)	0.005
Republic of Korea	475 (370, 593)	36.98 (27.67, 47.54)	1728 (1329, 2212)	30.73 (22.25, 41.55)	-0.69 (-0.88, -0.5)	<0.001
Republic of Moldova	29 (27, 31)	13.79 (12.1, 15.71)	31 (27, 35)	9.08 (7.67, 10.66)	-1.53 (-2.12, -0.95)	<0.001
Romania	108 (99, 117)	7.67 (6.56, 8.91)	260 (225, 293)	10.38 (8.35, 12.48)	1.11 (0.54, 1.69)	<0.001
Russian Federation	2677 (2558, 2761)	27.46 (25.94, 28.58)	2448 (2232, 2641)	17.23 (15.54, 18.68)	-1.46 (-2.05, -0.87)	<0.001
Rwanda	131 (89, 169)	117.67 (78.79, 161.6)	195 (142, 259)	81.53 (55.08, 116.14)	-1.18 (-1.3, -1.06)	<0.001
Saint Kitts and Nevis	1 (1, 1)	31.33 (27.47, 35.51)	1 (1, 1)	27.53 (22.42, 33.42)	-0.32 (-1.2, 0.58)	0.487
Saint Lucia	2 (2, 2)	36.35 (31.93, 41.37)	4 (3, 5)	28.48 (22.52, 35.08)	-0.74 (-1.62, 0.14)	0.098
Saint Vincent and the Grenadines	1 (1, 1)	16.51 (14.24, 18.92)	1 (1, 1)	16.39 (13.52, 19.44)	-0.08 (-0.57, 0.41)	0.749
Samoa	0 (0, 0)	8.67 (6.12, 12.62)	1 (0, 1)	7.44 (5.04, 10.77)	-0.5 (-0.58, -0.42)	<0.001
San Marino	0 (0, 0)	12.06 (8.68, 16.34)	0 (0, 1)	6.98 (4.43, 10.5)	-2.12 (-2.45, -1.8)	<0.001
Sao Tome and Principe	1 (0, 1)	15.6 (11.34, 20.9)	2 (1, 2)	32.99 (22.25, 45.22)	2.45 (2.28, 2.62)	<0.001
Saudi Arabia	41 (31, 55)	16.74 (11.56, 23.57)	73 (57, 90)	14.7 (10.73, 19.56)	-0.39 (-0.55, -0.24)	<0.001
Senegal	31 (24, 38)	20.22 (14.77, 26.85)	131 (94, 167)	36.93 (25.07, 51.28)	2.01 (1.88, 2.14)	<0.001
Serbia	66 (52, 86)	14.48 (10.89, 19.17)	132 (100, 174)	12.23 (9.02, 16.37)	-0.46 (-0.82, -0.09)	0.014
Seychelles	1 (1, 1)	27.84 (20.89, 36.03)	2 (1, 2)	29.95 (21.76, 39.23)	0.06 (-0.38, 0.5)	0.791
Sierra Leone	21 (16, 26)	18.97 (14.01, 25.69)	57 (40, 75)	33.38 (22.08, 46.72)	1.88 (1.68, 2.07)	<0.001
Singapore	37 (34, 41)	34.93 (29.42, 40.77)	108 (94, 121)	22.51 (18.06, 27.27)	-1.45 (-3.37, 0.52)	0.148
Slovakia	56 (45, 66)	16.55 (12.68, 21.44)	91 (73, 114)	15.11 (11.13, 19.89)	-0.31 (-0.7, 0.09)	0.126
Slovenia	25 (23, 27)	17.49 (14.92, 20.55)	49 (41, 55)	15.93 (12.74, 19.54)	-0.48 (-0.63, -0.33)	<0.001
Solomon Islands	1 (1, 1)	17.95 (12.67, 25.36)	2 (1, 2)	15.41 (10.23, 22.32)	-0.49 (-0.62, -0.35)	<0.001
Somalia	79 (56, 102)	112.17 (74.56, 156.84)	177 (124, 234)	93 (60.37, 132.65)	-0.59 (-0.65, -0.52)	<0.001
South Africa	613 (524, 777)	61.38 (51.21, 79.25)	1424 (1277, 1595)	66.01 (56.99, 75.64)	0.25 (-0.23, 0.74)	0.312
South Sudan	136 (100, 186)	107.3 (72.86, 134)	134 (100, 177)	96.97 (66.82, 134)	-0.32 (-0.41, -0.23)	<0.001

		153.86)		137.93)	0.24)	
Spain	837 (762, 902)	24.18 (20.48, 28.06)	1203 (1037, 1340)	17.32 (14, 20.82)	-0.94 (-1.27, -0.61)	<0.001
Sri Lanka	199 (162, 244)	41.31 (30.83, 55.18)	458 (306, 624)	30.45 (19.48, 43.91)	-0.9 (-1.37, -0.44)	<0.001
Sudan	151 (98, 211)	32.21 (19.85, 47.45)	281 (195, 378)	33.09 (21.26, 46.99)	0.09 (0.02, 0.15)	0.007
Suriname	1 (1, 2)	11.6 (9.01, 14.95)	3 (2, 4)	9.42 (6.34, 13.33)	-0.38 (-1.18, 0.41)	0.344
Sweden	249 (224, 269)	22.49 (19.22, 25.78)	411 (351, 462)	25 (20.27, 29.78)	0.35 (-0.45, 1.15)	0.391
Switzerland	208 (187, 226)	29.24 (24.85, 33.91)	327 (271, 363)	25 (20.07, 29.66)	-0.27 (-0.58, 0.04)	0.092
Syrian Arab Republic	14 (11, 17)	6.39 (4.9, 8.26)	40 (31, 52)	7.51 (5.51, 10.04)	0.46 (0.17, 0.74)	0.002
Taiwan (Province of China)	397 (361, 433)	54.38 (46.67, 62.53)	906 (795, 1003)	35.56 (29.95, 41.57)	-1.39 (-2.16, -0.6)	0.001
Tajikistan	105 (86, 129)	81.37 (63.07, 103.71)	105 (77, 136)	53.28 (37.44, 71.22)	-1.41 (-1.88, -0.94)	<0.001
Thailand	448 (341, 594)	29.36 (20.44, 41.41)	1506 (1112, 1971)	24.18 (16.48, 33.77)	-0.61 (-0.91, -0.31)	<0.001
Timor-Leste	1 (1, 2)	16.68 (11.35, 23.33)	7 (5, 9)	14.87 (10.34, 20.58)	-0.4 (-0.53, -0.27)	<0.001
Togo	10 (8, 13)	20.16 (15.03, 27)	56 (37, 76)	38.68 (24.77, 55.5)	2.12 (2, 2.25)	<0.001
Tokelau	0 (0, 0)	15.82 (10.15, 22.73)	0 (0, 0)	13.32 (9.15, 18.59)	-0.55 (-0.63, -0.47)	<0.001
Tonga	0 (0, 0)	14.88 (10.23, 21.42)	1 (1, 1)	14.77 (10.31, 21.05)	-0.04 (-0.4, 0.33)	0.845
Trinidad and Tobago	7 (7, 8)	16.17 (14.07, 18.43)	14 (11, 17)	12.5 (9.35, 16.02)	-0.62 (-1, -0.23)	0.002
Tunisia	13 (10, 16)	5.3 (3.86, 7.06)	37 (27, 50)	5.33 (3.56, 7.68)	-0.07 (-0.18, 0.04)	0.19
Turkey	255 (210, 306)	16.97 (12.42, 22.45)	646 (494, 808)	12.91 (9.1, 17.35)	-3.64 (-4.55, -2.73)	<0.001
Turkmenistan	168 (152, 183)	196.63 (175.02, 218.35)	91 (71, 115)	58.64 (45.06, 74.06)	-0.52 (-0.55, -0.48)	<0.001
Tuvalu	0 (0, 0)	16.61 (11.74, 22.81)	0 (0, 0)	14.16 (9.95, 19.57)	-0.86 (-1.32, -0.39)	<0.001
Uganda	279 (220, 349)	96.13 (69.09, 129.44)	593 (462, 772)	100.08 (70.43, 137.47)	0.14 (0.03, 0.24)	0.01
Ukraine	589 (539, 641)	14.49 (12.48, 16.75)	406 (297, 539)	8.42 (5.98, 11.64)	-1.7 (-2.74, -0.66)	0.001
United Arab Emirates	2 (2, 3)	17.8 (12.47, 24.82)	12 (9, 16)	26.15 (18.85, 35.46)	1.21 (-2.4, 4.96)	0.516
United Kingdom	3658 (3413, 3779)	58 (53.92, 60.36)	6334 (5650, 6686)	66.66 (59.36, 70.67)	0.5 (0.39, 0.62)	<0.001
United Republic of Tanzania	491 (369, 636)	101.83 (72.19, 138.85)	868 (634, 1168)	79.4 (55.48, 111.17)	-0.78 (-0.87, -0.69)	<0.001
United States of America	5459 (4993, 5682)	25.71 (23.51, 26.98)	12010 (10748, 12702)	31.11 (27.6, 33.05)	0.61 (0.32, 0.9)	<0.001
United States Virgin Islands	1 (1, 1)	23.48 (17.38, 30.72)	2 (1, 3)	15.95 (10.98, 22.2)	-1.25 (-1.67, -0.83)	<0.001
Uruguay	160 (145, 173)	65.04 (55.44, 75.6)	179 (159, 196)	45.79 (37.97, 54.21)	-1.22 (-1.84, -0.58)	<0.001
Uzbekistan	494 (433, 560)	88.11 (72.26, 105.68)	263 (221, 311)	27.46 (21.81, 33.76)	-3.84 (-4.78, -2.89)	<0.001
Vanuatu	0 (0, 0)	16.57 (11.27, 23.61)	1 (1, 1)	15.11 (10.55, 20.94)	-0.29 (-0.37, -0.2)	<0.001

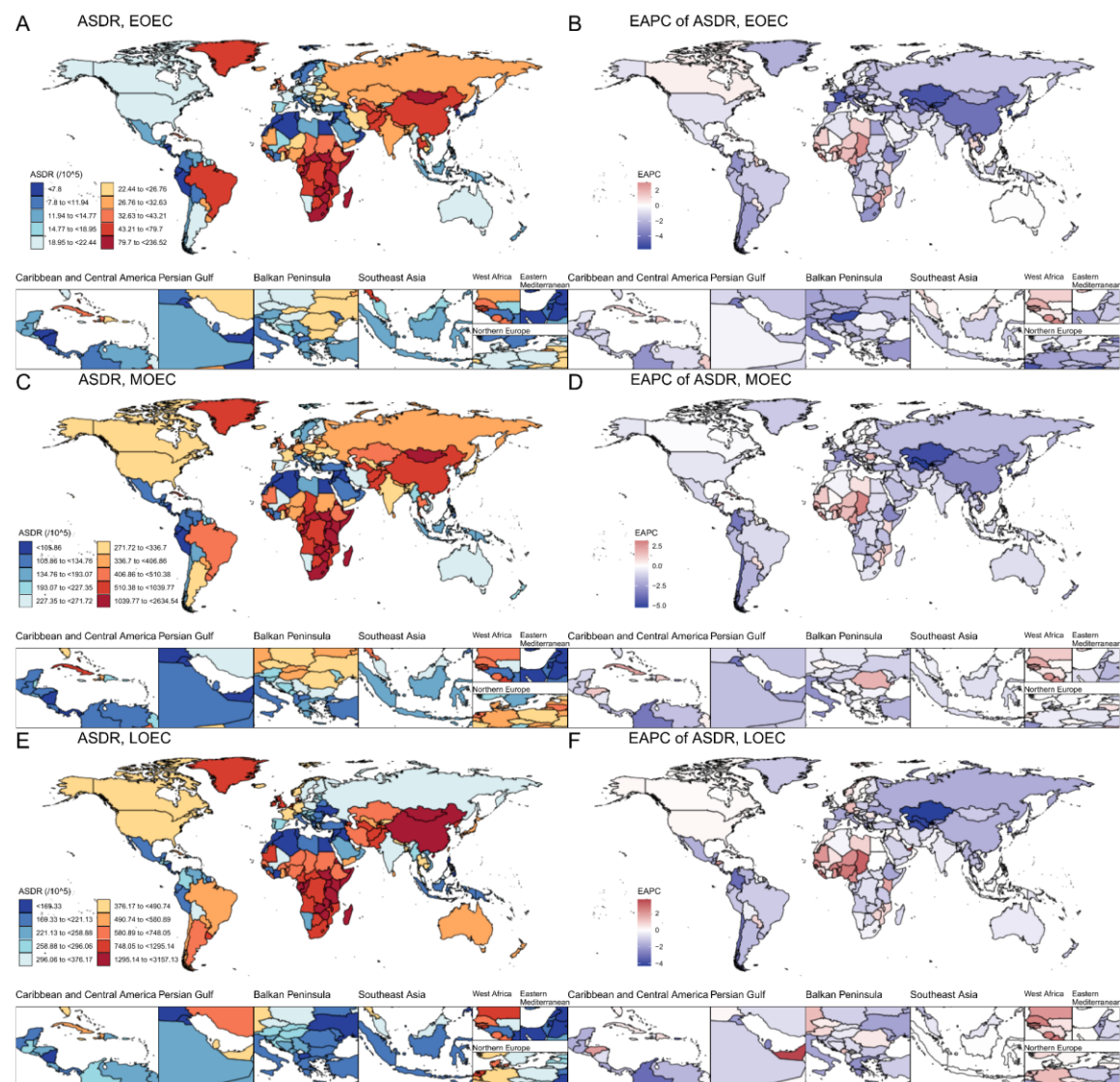
Venezuela (Bolivarian Republic of)	96 (89, 102)	20.38 (17.65, 23.04)	210 (157, 274)	13.23 (9.64, 17.56)	-1.29 (-2.27, -0.3)	0.01
Viet Nam	248 (193, 311)	12.1 (8.47, 16.75)	580 (461, 710)	12.96 (9.16, 17.66)	0.25 (0.16, 0.34)	<0.001
Yemen	65 (35, 96)	33.56 (17.45, 53.24)	172 (93, 245)	29.47 (15.82, 43.97)	-0.42 (-0.49, -0.36)	<0.001
Zambia	136 (108, 171)	117.34 (84.12, 161.43)	276 (194, 391)	104.13 (69.65, 156.49)	-0.39 (-0.5, -0.27)	<0.001
Zimbabwe	157 (126, 191)	88.14 (64.92, 115.05)	287 (228, 349)	107.55 (79.23, 142.71)	0.68 (0.49, 0.88)	<0.001

Notes: ASIR rates are reported per 100,000 population.

Abbreviations: ASIR, age-standardized incidence rate; EOEC, early-onset esophageal cancer; MOEC, middle-onset esophageal cancer; LOEC, late-onset esophageal cancer; AAPC, average annual percentage change; UI, uncertainty interval; CI, confidence interval.



Supplementary Figure S3. Among 204 countries and territories, the **ASMR** of EOEC (A), MOEC (C) and LOEC (E) in 2021, and the **EAPC** of ASMR for EOEC (B), MOEC (D) and LOEC (F) from 1990 to 2021. ASMR, age-standardized mortality rate; EOEC, early-onset esophageal cancer; MOEC, middle-onset esophageal cancer; LOEC, late-onset esophageal cancer; EAPC, estimated annual percent changes.



Supplementary Figure S4. Among 204 countries and territories, the **ASDR** of EOE (A), MOEC (C) and LOEC (E) in 2021, and the **EAPC** of ASDR for EOE (B), MOEC (D) and LOEC (F) from 1990 to 2021. ASDR, age-standardized disability-adjusted life year rate; EOE, early-onset esophageal cancer; MOEC, middle-onset esophageal cancer; LOEC, late-onset esophageal cancer; EAPC, estimated annual percent changes.

Supplementary Table S5. Mortality number and ASMR of EOEC, MOEC and LOEC in 1990 and 2021, and AAPC from 1990 to 2021 among 204 countries and territories.

Country/Territory	Cases (95%UI), 1990	ASMR (95% UI), 1990	Cases (95%UI), 2021	ASMR (95% UI), 2021	AAPC (95% CI), 1990-2021	P value
EOEC						
Afghanistan	69 (27, 109)	2.07 (0.76, 3.53)	162 (70, 264)	1.47 (0.61, 2.54)	-1.09 (-1.3, -0.88)	<0.001
Albania	4 (3, 5)	0.3 (0.22, 0.39)	3 (2, 5)	0.24 (0.16, 0.36)	-0.78 (-1.81, 0.26)	0.143
Algeria	8 (6, 11)	0.12 (0.08, 0.16)	21 (15, 28)	0.09 (0.06, 0.13)	-0.71 (-0.81, -0.61)	<0.001
American Samoa	0 (0, 0)	0.22 (0.14, 0.34)	0 (0, 0)	0.3 (0.18, 0.46)	1.06 (0.3, 1.84)	0.007
Andorra	0 (0, 0)	0.32 (0.2, 0.52)	0 (0, 0)	0.18 (0.1, 0.3)	-2.06 (-2.56, -1.55)	<0.001
Angola	66 (40, 94)	2.1 (1.23, 3.18)	129 (83, 186)	1.25 (0.73, 1.93)	-1.68 (-2.29, -1.06)	<0.001
Antigua and Barbuda	0 (0, 0)	0.48 (0.42, 0.55)	0 (0, 0)	0.3 (0.25, 0.35)	-0.67 (-1.23, -0.11)	0.02
Argentina	144 (129, 164)	0.98 (0.82, 1.17)	98 (87, 111)	0.41 (0.33, 0.5)	-2.69 (-3.19, -2.19)	<0.001
Armenia	5 (5, 5)	0.4 (0.38, 0.43)	1 (1, 2)	0.09 (0.08, 0.11)	-4.39 (-5.78, -2.99)	<0.001
Australia	35 (32, 39)	0.4 (0.34, 0.48)	58 (50, 66)	0.43 (0.35, 0.53)	0.15 (-0.32, 0.63)	0.532
Austria	22 (19, 26)	0.54 (0.43, 0.66)	13 (11, 15)	0.27 (0.21, 0.33)	-2.12 (-2.56, -1.69)	<0.001
Azerbaijan	35 (30, 42)	1.53 (1.26, 1.84)	35 (26, 44)	0.63 (0.47, 0.81)	-2.94 (-3.45, -2.43)	<0.001
Bahamas	1 (1, 2)	1.33 (1.12, 1.55)	3 (2, 4)	1.24 (0.93, 1.65)	-0.08 (-1.35, 1.21)	0.903
Bahrain	1 (1, 1)	0.33 (0.24, 0.46)	2 (1, 3)	0.18 (0.12, 0.26)	-1.94 (-2.28, -1.59)	<0.001
Bangladesh	358 (261, 490)	1.08 (0.72, 1.6)	478 (315, 725)	0.61 (0.36, 0.99)	-1.78 (-2.04, -1.53)	<0.001
Barbados	1 (1, 1)	1.04 (0.9, 1.21)	1 (1, 2)	0.78 (0.57, 1.04)	-0.88 (-2.08, 0.34)	0.156
Belarus	29 (25, 33)	0.66 (0.53, 0.8)	29 (22, 37)	0.54 (0.39, 0.72)	-0.56 (-1.72, 0.61)	0.347
Belgium	40 (36, 45)	0.83 (0.68, 1)	30 (26, 34)	0.5 (0.4, 0.62)	-1.73 (-2.24, -1.22)	<0.001
Belize	0 (0, 0)	0.31 (0.27, 0.35)	1 (1, 1)	0.43 (0.35, 0.52)	1.12 (0.4, 1.84)	0.002
Benin	6 (5, 8)	0.47 (0.32, 0.66)	31 (21, 44)	0.74 (0.44, 1.13)	1.5 (1.36, 1.64)	<0.001
Bermuda	0 (0, 0)	1.05 (0.81, 1.32)	0 (0, 0)	0.6 (0.43, 0.81)	-1.81 (-2.09, -1.53)	<0.001
Bhutan	2 (1, 3)	1.06 (0.68, 1.57)	2 (2, 4)	0.63 (0.39, 0.98)	-1.65 (-1.79, -1.5)	<0.001
Bolivia (Plurinational State of)	9 (7, 11)	0.4 (0.27, 0.58)	13 (9, 19)	0.24 (0.15, 0.38)	-1.58 (-1.74, -1.42)	<0.001
Bosnia and Herzegovina	9 (8, 11)	0.45 (0.37, 0.56)	6 (4, 8)	0.33 (0.21, 0.44)	-1.14 (-1.91, -0.36)	0.004
Botswana	9 (6, 13)	2.34 (1.38, 3.78)	16 (11, 23)	1.38 (0.85, 2.07)	-1.7 (-2.25, -1.15)	<0.001
Brazil	817 (783, 855)	1.43 (1.34, 1.53)	1194 (1126, 1260)	0.98 (0.91, 1.06)	-1.2 (-1.62, -0.79)	<0.001
Brunei Darussalam	0 (0, 0)	0.29 (0.2, 0.4)	1 (1, 1)	0.24 (0.17, 0.34)	-0.5 (-0.98, -0.01)	0.044
Bulgaria	28 (25, 31)	0.61 (0.54, 0.69)	20 (17, 24)	0.49 (0.4, 0.6)	-0.62 (-1.12, -0.1)	0.018
Burkina Faso	13 (9, 17)	0.47 (0.31, 0.68)	55 (34, 82)	0.81 (0.47, 1.26)	1.75 (1.53, 1.96)	<0.001
Burundi	54 (36, 75)	3.59 (2.18, 5.43)	70 (49, 98)	1.71 (1.09, 2.6)	-2.41 (-2.57, -2.25)	<0.001
Cabo Verde	1 (1, 2)	1.55 (1.07, 2.2)	6 (5, 9)	2.51 (1.54, 3.88)	1.58 (1.21, 1.96)	<0.001
Cambodia	29 (21, 38)	0.91 (0.59, 1.28)	41 (28, 59)	0.54 (0.35, 0.82)	-1.65 (-1.77, -1.53)	<0.001
Cameroon	17 (12, 23)	0.56 (0.37, 0.82)	111 (67, 174)	1.06 (0.6, 1.75)	2.09 (1.98, 2.2)	<0.001
Canada	55 (50, 60)	0.38 (0.32, 0.45)	86 (77, 98)	0.45 (0.37, 0.56)	0.43 (0.1, 0.76)	0.01
Central African Republic	23 (14, 31)	2.72 (1.52, 4.12)	40 (23, 59)	2.02 (1.14, 3.2)	-0.96 (-1.09, -0.84)	<0.001
Chad	6 (5, 8)	0.37 (0.25, 0.52)	37 (25, 53)	0.79 (0.49, 1.23)	2.54 (2.27, 2.82)	<0.001
Chile	44 (39, 48)	0.76 (0.64, 0.9)	28 (25, 31)	0.28 (0.23, 0.34)	-3.27 (-3.91, -2.62)	<0.001
China	22353 (18486, 26567)	4.5 (3.7, 5.42)	13002 (10030, 16498)	1.57 (1.2, 2.01)	-3.43 (-3.78, -3.08)	<0.001
Colombia	72 (66, 78)	0.56 (0.48, 0.66)	58 (46, 71)	0.24 (0.18, 0.31)	-2.86 (-3.25, -2.48)	<0.001
Comoros	4 (2, 6)	3 (1.68, 4.52)	7 (5, 9)	1.99 (1.29, 3.01)	-1.25 (-1.87, -0.62)	<0.001

Congo	22 (14, 31)	3.22 (1.94, 5.04)	43 (26, 66)	1.76 (1.04, 2.89)	-1.92 (-2.38, -1.46)	<0.001
Cook Islands	0 (0, 0)	0.44 (0.27, 0.68)	0 (0, 0)	0.39 (0.23, 0.62)	-0.35 (-0.77, 0.07)	0.101
Costa Rica	3 (3, 4)	0.32 (0.26, 0.38)	5 (5, 6)	0.22 (0.17, 0.28)	-1.29 (-1.8, -0.78)	<0.001
Côte d'Ivoire	7 (5, 9)	0.19 (0.13, 0.28)	20 (14, 30)	0.2 (0.12, 0.32)	-2.09 (-3.72, -0.43)	0.014
Croatia	20 (17, 23)	0.79 (0.64, 0.97)	10 (8, 12)	0.42 (0.32, 0.55)	1.15 (-0.08, 2.4)	0.067
Cuba	30 (27, 33)	0.58 (0.49, 0.69)	52 (41, 65)	0.8 (0.6, 1.05)	0.8 (0.11, 1.49)	0.023
Cyprus	0 (0, 1)	0.11 (0.08, 0.16)	1 (1, 2)	0.14 (0.09, 0.21)	-1.72 (-2.44, -1)	<0.001
Czechia	40 (35, 46)	0.7 (0.58, 0.83)	29 (24, 35)	0.42 (0.32, 0.53)	0.16 (-0.1, 0.42)	0.218
Democratic Republic of Korea	198 (131, 302)	2.01 (1.21, 3.35)	267 (170, 401)	1.74 (0.99, 2.84)	-0.44 (-0.56, -0.32)	<0.001
Democratic Republic of the Congo	170 (111, 246)	1.61 (0.97, 2.48)	361 (235, 528)	1.21 (0.72, 1.86)	-0.9 (-1.11, -0.7)	<0.001
Denmark	22 (19, 24)	0.73 (0.61, 0.87)	14 (12, 16)	0.45 (0.36, 0.55)	-1.36 (-2.79, 0.09)	0.066
Djibouti	3 (2, 5)	2.51 (1.46, 3.94)	11 (7, 17)	1.84 (1.08, 2.96)	-1.03 (-1.19, -0.86)	<0.001
Dominica	0 (0, 0)	0.68 (0.49, 0.91)	0 (0, 0)	0.78 (0.52, 1.17)	0.44 (0.3, 0.59)	<0.001
Dominican Republic	10 (7, 12)	0.39 (0.28, 0.53)	26 (17, 36)	0.48 (0.31, 0.7)	0.69 (-0.3, 1.7)	0.174
Ecuador	11 (10, 12)	0.3 (0.25, 0.36)	14 (10, 17)	0.16 (0.11, 0.21)	-2.09 (-3.23, -0.94)	<0.001
Egypt	51 (41, 63)	0.25 (0.18, 0.33)	61 (44, 81)	0.13 (0.09, 0.19)	-1.99 (-2.46, -1.52)	<0.001
El Salvador	7 (6, 7)	0.37 (0.3, 0.45)	9 (7, 12)	0.32 (0.23, 0.43)	-0.47 (-1.45, 0.52)	0.348
Equatorial Guinea	3 (2, 5)	2.5 (1.46, 3.93)	7 (4, 11)	1.38 (0.74, 2.31)	-1.78 (-2.13, -1.43)	<0.001
Eritrea	44 (26, 62)	4.24 (2.45, 6.39)	67 (41, 103)	2.61 (1.51, 4.25)	-1.59 (-1.83, -1.35)	<0.001
Estonia	5 (4, 6)	0.68 (0.54, 0.82)	2 (2, 3)	0.29 (0.22, 0.38)	-2.56 (-3.32, -1.8)	<0.001
Eswatini	7 (5, 9)	3.06 (1.89, 4.47)	17 (10, 26)	3.96 (2.19, 6.29)	0.86 (0.48, 1.25)	<0.001
Ethiopia	236 (150, 312)	1.62 (1.01, 2.21)	260 (202, 351)	0.71 (0.53, 0.98)	-2.6 (-2.73, -2.46)	<0.001
Fiji	1 (1, 2)	0.4 (0.26, 0.59)	2 (1, 3)	0.41 (0.24, 0.65)	0.02 (-0.25, 0.29)	0.888
Finland	17 (16, 18)	0.57 (0.51, 0.64)	9 (8, 10)	0.33 (0.29, 0.38)	-1.56 (-2.19, -0.92)	<0.001
France	472 (415, 531)	1.72 (1.42, 2.05)	147 (126, 170)	0.44 (0.35, 0.55)	-4.26 (-4.94, -3.58)	<0.001
Gabon	6 (4, 9)	2.27 (1.45, 3.41)	12 (7, 18)	1.65 (0.93, 2.65)	-1 (-1.27, -0.73)	<0.001
Gambia	1 (0, 1)	0.23 (0.15, 0.34)	2 (2, 3)	0.3 (0.19, 0.45)	0.9 (-0.36, 2.18)	0.16
Georgia	9 (8, 10)	0.37 (0.33, 0.41)	3 (2, 3)	0.14 (0.12, 0.17)	-2.69 (-5.23, -0.08)	0.044
Germany	376 (327, 429)	0.9 (0.74, 1.08)	187 (164, 214)	0.46 (0.37, 0.56)	-2.2 (-3.22, -1.17)	<0.001
Ghana	20 (14, 27)	0.43 (0.27, 0.62)	70 (46, 98)	0.52 (0.32, 0.77)	0.63 (0.44, 0.83)	<0.001
Greece	13 (12, 14)	0.24 (0.22, 0.28)	16 (14, 17)	0.26 (0.23, 0.3)	0.28 (-0.42, 0.98)	0.442
Greenland	1 (1, 1)	2.89 (2.02, 4.07)	0 (0, 1)	1.47 (0.95, 2.12)	-2.18 (-2.24, -2.11)	<0.001
Grenada	0 (0, 0)	1.26 (0.99, 1.58)	0 (0, 1)	0.77 (0.57, 1.03)	-1.83 (-3.4, -0.24)	0.025
Guam	0 (0, 0)	0.33 (0.25, 0.43)	0 (0, 0)	0.54 (0.4, 0.72)	1.46 (0.52, 2.41)	0.002
Guatemala	13 (12, 14)	0.5 (0.45, 0.55)	18 (15, 21)	0.27 (0.22, 0.32)	-1.97 (-2.93, -1)	<0.001
Guinea	3 (3, 5)	0.18 (0.12, 0.26)	8 (6, 12)	0.2 (0.12, 0.31)	0.38 (0.2, 0.57)	<0.001
Guinea-Bissau	2 (2, 3)	0.85 (0.54, 1.28)	9 (6, 12)	1.31 (0.8, 2.02)	1.47 (1.29, 1.65)	<0.001
Guyana	1 (1, 1)	0.39 (0.31, 0.48)	2 (1, 2)	0.48 (0.33, 0.68)	0.69 (0, 1.39)	0.05
Haiti	21 (14, 28)	0.99 (0.6, 1.46)	39 (26, 59)	0.71 (0.43, 1.09)	-1.01 (-1.12, -0.9)	<0.001
Honduras	3 (2, 3)	0.19 (0.13, 0.26)	6 (4, 9)	0.14 (0.08, 0.23)	-0.88 (-1.07, -0.69)	<0.001
Hungary	86 (74, 100)	1.53 (1.26, 1.87)	27 (22, 33)	0.43 (0.34, 0.54)	-4.11 (-4.81, -3.41)	<0.001
Iceland	1 (1, 1)	0.58 (0.48, 0.69)	1 (1, 1)	0.62 (0.49, 0.77)	0.27 (-0.06, 0.61)	0.113
India	2893 (2542, 3504)	0.87 (0.75, 1.07)	4682 (4082, 5507)	0.67 (0.58, 0.8)	-0.81 (-0.96, -0.66)	<0.001
Indonesia	295 (214, 355)	0.41 (0.3, 0.51)	435 (333, 563)	0.28 (0.21, 0.37)	-1.25 (-1.34, -1.17)	<0.001

Iran (Islamic Republic of)	134 (108, 152)	0.8 (0.65, 0.91)	245 (221, 272)	0.48 (0.42, 0.54)	-1.69 (-1.77, -1.61)	<0.001
Iraq	13 (10, 17)	0.24 (0.16, 0.34)	33 (23, 48)	0.17 (0.11, 0.26)	-1.11 (-1.36, -0.86)	<0.001
Ireland	14 (13, 16)	0.89 (0.74, 1.08)	17 (14, 20)	0.59 (0.47, 0.73)	-1.28 (-2.29, -0.26)	0.014
Israel	5 (4, 5)	0.23 (0.19, 0.27)	8 (7, 9)	0.17 (0.13, 0.21)	-0.94 (-1.5, -0.39)	0.001
Italy	163 (156, 170)	0.56 (0.52, 0.6)	72 (69, 76)	0.21 (0.19, 0.22)	-3.28 (-3.83, -2.73)	<0.001
Jamaica	3 (2, 3)	0.37 (0.3, 0.44)	6 (4, 9)	0.46 (0.3, 0.65)	1.7 (-0.41, 3.84)	0.114
Japan	386 (375, 397)	0.5 (0.48, 0.52)	185 (180, 190)	0.25 (0.24, 0.26)	-2.34 (-2.62, -2.06)	<0.001
Jordan	2 (1, 2)	0.18 (0.12, 0.24)	7 (5, 10)	0.12 (0.08, 0.17)	-1.33 (-1.79, -0.87)	<0.001
Kazakhstan	181 (167, 196)	2.93 (2.68, 3.2)	61 (54, 69)	0.63 (0.55, 0.72)	-5.05 (-5.21, -4.88)	<0.001
Kenya	82 (61, 116)	1.36 (0.98, 1.95)	309 (225, 441)	1.66 (1.2, 2.34)	0.65 (0.44, 0.86)	<0.001
Kiribati	0 (0, 0)	1.32 (0.81, 2)	1 (0, 1)	1.29 (0.74, 2.07)	-0.07 (-0.16, 0.02)	0.128
Kuwait	2 (1, 2)	0.22 (0.18, 0.26)	4 (3, 4)	0.1 (0.07, 0.13)	-2.35 (-4.31, -0.35)	0.021
Kyrgyzstan	22 (19, 26)	1.68 (1.37, 2.02)	11 (8, 14)	0.37 (0.27, 0.48)	-4.8 (-5.26, -4.34)	<0.001
Lao People's Democratic Republic	14 (9, 19)	1.02 (0.62, 1.55)	16 (11, 23)	0.48 (0.3, 0.74)	-2.43 (-2.5, -2.35)	<0.001
Latvia	9 (8, 11)	0.68 (0.54, 0.83)	4 (3, 5)	0.42 (0.31, 0.54)	-1.49 (-3, 0.05)	0.058
Lebanon	2 (2, 3)	0.19 (0.13, 0.28)	3 (2, 4)	0.11 (0.07, 0.15)	-1.82 (-2.15, -1.5)	<0.001
Lesotho	8 (6, 11)	1.65 (1.08, 2.41)	24 (16, 33)	3.42 (2.05, 5.17)	2.42 (2.08, 2.76)	<0.001
Liberia	3 (2, 4)	0.45 (0.29, 0.65)	20 (13, 31)	0.91 (0.52, 1.46)	2.36 (2.03, 2.68)	<0.001
Libya	3 (2, 4)	0.22 (0.14, 0.34)	12 (8, 18)	0.28 (0.17, 0.42)	0.68 (0.53, 0.82)	<0.001
Lithuania	13 (12, 15)	0.74 (0.6, 0.9)	9 (7, 11)	0.58 (0.45, 0.76)	-0.71 (-2.46, 1.07)	0.434
Luxembourg	2 (2, 2)	0.92 (0.8, 1.07)	1 (1, 2)	0.36 (0.3, 0.43)	-3.12 (-3.63, -2.61)	<0.001
Madagascar	92 (65, 121)	2.73 (1.8, 3.96)	187 (120, 267)	1.85 (1.13, 2.88)	-1.24 (-1.39, -1.1)	<0.001
Malawi	122 (92, 157)	4.37 (3.09, 6.01)	313 (220, 446)	5.04 (3.38, 7.39)	0.47 (0.26, 0.68)	<0.001
Malaysia	23 (19, 28)	0.35 (0.25, 0.48)	60 (48, 76)	0.39 (0.27, 0.54)	0.3 (-0.57, 1.18)	0.5
Maldives	0 (0, 1)	0.67 (0.38, 0.98)	1 (0, 1)	0.18 (0.12, 0.26)	-4.25 (-4.46, -4.03)	<0.001
Mali	10 (7, 12)	0.38 (0.26, 0.52)	24 (17, 33)	0.36 (0.23, 0.54)	-0.12 (-0.36, 0.12)	0.345
Malta	1 (1, 1)	0.33 (0.27, 0.41)	1 (1, 1)	0.35 (0.27, 0.44)	0.26 (0.04, 0.49)	0.024
Marshall Islands	0 (0, 0)	0.51 (0.31, 0.81)	0 (0, 0)	0.54 (0.32, 0.86)	0.22 (0.09, 0.35)	0.001
Mauritania	3 (2, 4)	0.51 (0.32, 0.74)	9 (6, 14)	0.65 (0.38, 1.04)	0.79 (0.5, 1.08)	<0.001
Mauritius	3 (3, 3)	0.69 (0.62, 0.77)	6 (5, 6)	0.81 (0.69, 0.93)	0.9 (-0.89, 2.72)	0.328
Mexico	105 (103, 107)	0.35 (0.34, 0.36)	179 (156, 203)	0.26 (0.23, 0.3)	-0.83 (-1.06, -0.59)	<0.001
Micronesia (Federated States of)	0 (0, 0)	0.7 (0.44, 1.08)	0 (0, 0)	0.6 (0.35, 0.96)	-0.53 (-0.59, -0.47)	<0.001
Monaco	0 (0, 0)	0.76 (0.52, 1.08)	0 (0, 0)	0.9 (0.55, 1.35)	0.58 (0.45, 0.71)	<0.001
Mongolia	23 (17, 29)	3.49 (2.47, 4.8)	35 (25, 47)	2.03 (1.44, 2.73)	-1.89 (-2.91, -0.86)	<0.001
Montenegro	1 (1, 2)	0.46 (0.37, 0.58)	1 (1, 2)	0.39 (0.29, 0.51)	-0.62 (-1.25, 0.01)	0.055
Morocco	12 (9, 15)	0.13 (0.09, 0.18)	20 (14, 31)	0.11 (0.07, 0.17)	-0.68 (-0.79, -0.56)	<0.001
Mozambique	29 (22, 39)	0.7 (0.47, 1.01)	95 (62, 141)	1.04 (0.63, 1.64)	1.31 (1.13, 1.5)	<0.001
Myanmar	137 (91, 186)	0.94 (0.58, 1.37)	118 (79, 169)	0.42 (0.27, 0.65)	-2.55 (-2.67, -2.42)	<0.001
Namibia	2 (1, 3)	0.44 (0.29, 0.64)	5 (3, 7)	0.47 (0.28, 0.78)	0.31 (-0.04, 0.66)	0.078
Nauru	0 (0, 0)	0.86 (0.52, 1.34)	0 (0, 0)	0.78 (0.46, 1.25)	-0.33 (-0.4, -0.26)	<0.001
Nepal	71 (50, 100)	1.06 (0.68, 1.58)	100 (66, 147)	0.74 (0.47, 1.16)	-1.12 (-1.27, -0.97)	<0.001
Netherlands	58 (52, 65)	0.73 (0.61, 0.85)	41 (36, 47)	0.48 (0.39, 0.58)	-1.33 (-1.94, -0.72)	<0.001
New Zealand	6 (6, 7)	0.39 (0.33, 0.46)	7 (7, 8)	0.29 (0.24, 0.34)	-0.93 (-1.65, -0.2)	0.013
Nicaragua	2 (2, 2)	0.17 (0.12, 0.22)	4 (3, 5)	0.12 (0.08, 0.17)	-1.42 (-1.95, -0.88)	<0.001

Niger	9 (6, 13)	0.41 (0.26, 0.6)	32 (21, 48)	0.53 (0.32, 0.85)	0.86 (0.51, 1.2)	<0.001
Nigeria	115 (82, 166)	0.4 (0.28, 0.58)	443 (277, 638)	0.6 (0.37, 0.86)	1.23 (1.01, 1.45)	<0.001
Niue	0 (0, 0)	0.41 (0.24, 0.66)	0 (0, 0)	0.39 (0.23, 0.63)	-0.23 (-0.55, 0.09)	0.16
North Macedonia	3 (2, 3)	0.28 (0.23, 0.35)	3 (2, 4)	0.2 (0.14, 0.27)	-1.25 (-2.12, -0.39)	0.005
Northern Mariana Islands	0 (0, 0)	0.23 (0.14, 0.38)	0 (0, 0)	0.36 (0.24, 0.54)	1.62 (0.62, 2.64)	0.002
Norway	7 (6, 7)	0.3 (0.28, 0.32)	7 (7, 8)	0.24 (0.22, 0.26)	-0.51 (-0.81, -0.22)	0.001
Oman	2 (1, 2)	0.22 (0.14, 0.34)	4 (3, 5)	0.14 (0.09, 0.21)	-1.51 (-1.77, -1.24)	<0.001
Pakistan	424 (346, 514)	1.18 (0.91, 1.51)	1133 (877, 1511)	1.18 (0.87, 1.62)	0.01 (-0.12, 0.14)	0.83
Palau	0 (0, 0)	0.57 (0.36, 0.89)	0 (0, 0)	0.63 (0.39, 0.96)	0.32 (-0.08, 0.73)	0.114
Palestine	1 (1, 1)	0.18 (0.11, 0.27)	2 (1, 2)	0.09 (0.07, 0.13)	-2.13 (-2.45, -1.8)	<0.001
Panama	2 (2, 2)	0.24 (0.21, 0.27)	3 (3, 4)	0.16 (0.12, 0.21)	-1.46 (-1.99, -0.92)	<0.001
Papua New Guinea	5 (3, 8)	0.34 (0.19, 0.57)	12 (8, 17)	0.26 (0.16, 0.41)	-0.9 (-1.05, -0.74)	<0.001
Paraguay	7 (6, 10)	0.54 (0.38, 0.75)	20 (13, 29)	0.62 (0.39, 0.94)	0.62 (0.39, 0.85)	<0.001
Peru	20 (16, 25)	0.26 (0.19, 0.35)	28 (21, 39)	0.16 (0.1, 0.23)	-1.53 (-2.98, -0.05)	0.043
Philippines	89 (79, 103)	0.39 (0.33, 0.45)	161 (134, 192)	0.31 (0.25, 0.37)	-0.76 (-0.94, -0.58)	<0.001
Poland	145 (139, 150)	0.84 (0.8, 0.88)	106 (95, 116)	0.47 (0.42, 0.51)	-1.92 (-2.77, -1.06)	<0.001
Portugal	44 (39, 50)	0.91 (0.75, 1.1)	35 (30, 41)	0.55 (0.43, 0.68)	-1.5 (-1.89, -1.1)	<0.001
Puerto Rico	18 (16, 21)	1.05 (0.86, 1.29)	8 (6, 10)	0.49 (0.36, 0.66)	-2.33 (-3.25, -1.41)	<0.001
Qatar	1 (1, 1)	0.35 (0.24, 0.5)	4 (3, 6)	0.19 (0.11, 0.28)	-1.95 (-3.03, -0.85)	0.001
Republic of Korea	154 (120, 203)	0.78 (0.58, 1.07)	52 (39, 69)	0.16 (0.11, 0.22)	-5.1 (-5.56, -4.63)	<0.001
Republic of Moldova	9 (8, 10)	0.47 (0.42, 0.54)	5 (5, 6)	0.23 (0.2, 0.27)	-2.46 (-3.49, -1.42)	<0.001
Romania	47 (42, 53)	0.44 (0.36, 0.53)	59 (48, 74)	0.51 (0.39, 0.66)	0.6 (-0.48, 1.69)	0.278
Russian Federation	603 (584, 622)	0.96 (0.92, 1)	513 (464, 556)	0.61 (0.55, 0.67)	-1.45 (-2.59, -0.3)	0.014
Rwanda	78 (48, 109)	4.2 (2.47, 6.17)	83 (54, 120)	1.69 (1.04, 2.55)	-2.91 (-3.16, -2.66)	<0.001
Saint Kitts and Nevis	0 (0, 0)	0.91 (0.79, 1.05)	0 (0, 0)	0.5 (0.37, 0.66)	-1.8 (-2.95, -0.64)	0.003
Saint Lucia	0 (0, 1)	1.08 (0.93, 1.24)	1 (1, 1)	0.86 (0.66, 1.07)	-0.81 (-1.52, -0.1)	0.026
Saint Vincent and the Grenadines	0 (0, 0)	0.51 (0.44, 0.6)	0 (0, 0)	0.58 (0.47, 0.7)	0.34 (-0.02, 0.7)	0.062
Samoa	0 (0, 0)	0.17 (0.11, 0.26)	0 (0, 0)	0.17 (0.11, 0.26)	0 (-0.05, 0.04)	0.876
San Marino	0 (0, 0)	0.23 (0.15, 0.35)	0 (0, 0)	0.12 (0.06, 0.2)	-2.35 (-2.59, -2.11)	<0.001
Sao Tome and Principe	0 (0, 0)	0.34 (0.22, 0.51)	1 (0, 1)	0.63 (0.38, 1.03)	2 (1.83, 2.18)	<0.001
Saudi Arabia	16 (11, 24)	0.29 (0.18, 0.44)	71 (46, 107)	0.26 (0.17, 0.4)	-0.4 (-0.59, -0.2)	<0.001
Senegal	10 (7, 13)	0.47 (0.32, 0.68)	39 (28, 57)	0.73 (0.45, 1.12)	1.45 (1.04, 1.86)	<0.001
Serbia	21 (15, 32)	0.45 (0.3, 0.66)	16 (11, 23)	0.31 (0.21, 0.46)	-1 (-1.33, -0.68)	<0.001
Seychelles	0 (0, 0)	1.32 (0.91, 1.86)	1 (1, 1)	1.06 (0.71, 1.53)	-0.69 (-1.28, -0.09)	0.025
Sierra Leone	5 (3, 7)	0.41 (0.26, 0.61)	22 (14, 32)	0.73 (0.44, 1.17)	1.95 (1.72, 2.18)	<0.001
Singapore	5 (5, 6)	0.33 (0.27, 0.41)	5 (4, 6)	0.12 (0.1, 0.15)	-3.07 (-3.65, -2.48)	<0.001
Slovakia	29 (20, 41)	1.17 (0.8, 1.67)	19 (13, 29)	0.56 (0.36, 0.86)	-2.43 (-3.39, -1.46)	<0.001
Slovenia	7 (6, 8)	0.69 (0.57, 0.84)	4 (3, 5)	0.33 (0.25, 0.43)	-2.64 (-3.46, -1.83)	<0.001
Solomon Islands	1 (0, 1)	0.56 (0.28, 0.89)	2 (1, 2)	0.56 (0.33, 0.89)	-0.06 (-0.36, 0.24)	0.71
Somalia	94 (60, 143)	3.84 (2.26, 6.27)	164 (103, 247)	2.47 (1.48, 3.97)	-1.39 (-1.52, -1.26)	<0.001
South Africa	519 (456, 591)	3.89 (3.32, 4.57)	554 (491, 641)	1.96 (1.66, 2.31)	-2.26 (-2.88, -1.65)	<0.001
South Sudan	46 (31, 67)	2.82 (1.73, 4.41)	83 (56, 116)	2.43 (1.48, 3.65)	-0.44 (-0.66, -0.21)	<0.001
Spain	178 (158, 202)	0.97 (0.79, 1.17)	92 (79, 106)	0.32 (0.25, 0.39)	-3.56 (-4.12, -3)	<0.001
Sri Lanka	84 (66, 106)	1.12 (0.79, 1.55)	78 (47, 111)	0.67 (0.38, 1.03)	-1.61 (-2.64, -0.57)	0.002
Sudan	61 (32, 87)	0.96 (0.48, 1.49)	113 (57, 174)	0.69 (0.34, 1.14)	-1.06 (-1.12, -1)	<0.001

Suriname	0 (0, 1)	0.32 (0.23, 0.44)	1 (1, 1)	0.33 (0.21, 0.5)	0.09 (-1.74, 1.96)	0.922
Sweden	13 (12, 14)	0.26 (0.23, 0.3)	11 (9, 12)	0.2 (0.17, 0.25)	-0.88 (-1.9, 0.15)	0.093
Switzerland	28 (25, 32)	0.72 (0.59, 0.86)	15 (13, 17)	0.31 (0.24, 0.38)	-3.04 (-4.05, -2.01)	<0.001
Syrian Arab Republic	6 (4, 8)	0.17 (0.12, 0.23)	9 (7, 13)	0.12 (0.08, 0.17)	-1.2 (-1.45, -0.94)	<0.001
Taiwan (Province of China)	165 (152, 177)	1.93 (1.69, 2.17)	361 (324, 400)	2.41 (2.08, 2.77)	0.51 (-0.01, 1.03)	0.056
Tajikistan	28 (22, 35)	2 (1.52, 2.56)	34 (24, 49)	0.81 (0.56, 1.17)	-2.86 (-3.05, -2.67)	<0.001
Thailand	225 (166, 316)	0.95 (0.62, 1.41)	571 (409, 778)	1.38 (0.89, 2.05)	1.37 (0.92, 1.82)	<0.001
Timor-Leste	1 (1, 2)	0.49 (0.29, 0.75)	2 (1, 2)	0.36 (0.22, 0.53)	-1.02 (-1.46, -0.59)	<0.001
Togo	5 (3, 6)	0.46 (0.31, 0.67)	30 (19, 43)	0.94 (0.55, 1.47)	2.36 (2.15, 2.58)	<0.001
Tokelau	0 (0, 0)	0.33 (0.19, 0.54)	0 (0, 0)	0.32 (0.19, 0.5)	-0.12 (-0.34, 0.11)	0.306
Tonga	0 (0, 0)	0.3 (0.2, 0.43)	0 (0, 0)	0.31 (0.18, 0.48)	0.04 (-0.07, 0.15)	0.488
Trinidad and Tobago	2 (2, 2)	0.39 (0.34, 0.45)	3 (2, 4)	0.4 (0.28, 0.55)	0.46 (-0.49, 1.41)	0.348
Tunisia	2 (2, 3)	0.09 (0.06, 0.12)	5 (3, 8)	0.08 (0.05, 0.13)	-0.16 (-0.27, -0.06)	0.003
Turkey	129 (90, 165)	0.59 (0.38, 0.83)	122 (86, 161)	0.26 (0.17, 0.37)	-3.84 (-4.71, -2.96)	<0.001
Turkmenistan	48 (45, 51)	4.46 (4.05, 4.84)	35 (26, 46)	1.41 (1.07, 1.87)	-0.28 (-0.36, -0.2)	<0.001
Tuvalu	0 (0, 0)	0.49 (0.31, 0.74)	0 (0, 0)	0.45 (0.27, 0.71)	-2.67 (-3.07, -2.27)	<0.001
Uganda	97 (69, 129)	2.23 (1.47, 3.27)	302 (202, 428)	2.45 (1.51, 3.73)	0.27 (0.1, 0.44)	0.002
Ukraine	208 (182, 237)	0.85 (0.7, 1.03)	143 (92, 205)	0.55 (0.34, 0.82)	-1.49 (-2.59, -0.38)	0.009
United Arab Emirates	3 (2, 3)	0.26 (0.16, 0.41)	15 (11, 19)	0.15 (0.09, 0.22)	-1.79 (-2.07, -1.52)	<0.001
United Kingdom	234 (230, 238)	0.8 (0.78, 0.82)	248 (242, 256)	0.72 (0.7, 0.75)	-0.37 (-0.93, 0.19)	0.191
United Republic of Tanzania	196 (137, 270)	2.78 (1.79, 4.09)	356 (244, 502)	1.76 (1.12, 2.64)	-1.46 (-1.59, -1.32)	<0.001
United States of America	733 (719, 746)	0.58 (0.56, 0.59)	744 (718, 770)	0.46 (0.44, 0.48)	-0.67 (-1.2, -0.13)	0.015
United States Virgin Islands	0 (0, 0)	0.62 (0.43, 0.9)	0 (0, 0)	0.63 (0.39, 0.96)	0.42 (0.19, 0.64)	<0.001
Uruguay	14 (12, 15)	0.97 (0.79, 1.16)	11 (9, 12)	0.6 (0.49, 0.75)	-1.24 (-2.5, 0.02)	0.054
Uzbekistan	138 (116, 158)	2.31 (1.92, 2.73)	116 (88, 150)	0.67 (0.51, 0.88)	-3.78 (-5.54, -1.98)	<0.001
Vanuatu	0 (0, 0)	0.48 (0.27, 0.8)	1 (0, 1)	0.46 (0.28, 0.72)	-0.15 (-0.29, -0.02)	0.024
Venezuela (Bolivarian Republic of)	22 (21, 24)	0.33 (0.29, 0.37)	37 (25, 51)	0.25 (0.18, 0.35)	-0.73 (-2.1, 0.65)	0.298
Viet Nam	61 (42, 88)	0.32 (0.2, 0.49)	203 (135, 309)	0.37 (0.22, 0.59)	0.49 (0.27, 0.71)	<0.001
Yemen	33 (17, 50)	0.91 (0.45, 1.48)	73 (34, 113)	0.6 (0.28, 0.99)	-1.34 (-1.61, -1.06)	<0.001
Zambia	76 (55, 99)	3.57 (2.38, 5.08)	192 (114, 320)	2.93 (1.63, 5.24)	-0.61 (-0.77, -0.46)	<0.001
Zimbabwe	50 (39, 65)	1.84 (1.26, 2.59)	191 (127, 267)	3.32 (2.03, 4.96)	1.96 (1.21, 2.72)	<0.001
MOEC						
Afghanistan	411 (188, 602)	31.42 (14.02, 49.36)	341 (147, 530)	22.95 (9.69, 37.39)	-1.01 (-1.07, -0.95)	<0.001
Albania	20 (16, 25)	5.66 (4.37, 7.31)	28 (20, 38)	3.82 (2.7, 5.2)	-1.4 (-2.12, -0.67)	<0.001
Algeria	40 (32, 49)	1.87 (1.36, 2.51)	110 (81, 141)	1.74 (1.18, 2.43)	-0.23 (-0.33, -0.14)	<0.001
American Samoa	0 (0, 0)	3.42 (2.45, 4.68)	0 (0, 0)	4.38 (3.02, 6.05)	0.89 (0.22, 1.57)	0.01
Andorra	1 (0, 1)	5.92 (3.74, 9.02)	1 (0, 1)	3.32 (1.88, 5.23)	-2.01 (-2.4, -1.61)	<0.001
Angola	308 (202, 429)	41.67 (25.78, 60.58)	583 (401, 813)	25.91 (16.89, 37.64)	-1.49 (-1.77, -1.22)	<0.001
Antigua and Barbuda	1 (1, 1)	9.87 (8.6, 11.28)	2 (1, 2)	7.9 (6.76, 9.12)	-0.78 (-1.62, 0.06)	0.068
Argentina	1072 (987, 1156)	20.08 (17.21, 23.4)	948 (852, 1048)	11.26 (9.4, 13.38)	-1.82 (-2.27, -1.37)	<0.001
Armenia	45 (41, 48)	8.67 (7.93, 9.39)	24 (21, 28)	3.07 (2.67, 3.53)	-3.46 (-4.48, -2.43)	<0.001
Australia	363 (335, 391)	11.85 (10.3, 13.51)	555 (503, 614)	8.83 (7.4, 10.53)	-1 (-1.16, -0.84)	<0.001
Austria	138 (127, 149)	8.15 (6.95, 9.47)	168 (151, 187)	6.85 (5.7, 8.19)	-0.62 (-1.04, -0.2)	0.004
Azerbaijan	259 (226, 297)	27.89 (23.24, 33.07)	331 (245, 421)	15.74 (11.62, 19.98)	-1.82 (-2.05, -1.59)	<0.001

Bahamas	6 (5, 6)	23.25 (19.57, 27.47)	12 (9, 16)	16.04 (12.1, 20.96)	-1.14 (-1.72, -0.56)	<0.001
Bahrain	3 (2, 4)	9.36 (6.98, 12.35)	8 (6, 10)	3.83 (2.71, 5.47)	-2.94 (-3.29, -2.58)	<0.001
Bangladesh	1451 (1015, 1993)	18.66 (12.22, 27.31)	2368 (1638, 3337)	10.16 (6.44, 15.11)	-1.85 (-2.17, -1.53)	<0.001
Barbados	6 (6, 7)	16.48 (14.34, 18.84)	12 (9, 15)	13.75 (9.82, 18.2)	-0.31 (-0.59, -0.02)	0.034
Belarus	243 (223, 265)	10.5 (8.84, 12.41)	313 (245, 394)	11.73 (8.49, 15.6)	0.24 (-0.32, 0.81)	0.404
Belgium	270 (249, 294)	11.46 (9.73, 13.43)	365 (329, 403)	11.73 (9.82, 13.99)	-0.17 (-0.48, 0.14)	0.273
Belize	1 (1, 1)	6.16 (5.33, 7.11)	3 (3, 4)	6.56 (5.29, 7.93)	0.22 (-0.41, 0.85)	0.502
Benin	34 (27, 42)	10.57 (7.61, 14.26)	143 (105, 189)	16.07 (10.4, 23.31)	1.38 (1.23, 1.54)	<0.001
Bermuda	2 (2, 2)	20.86 (17.09, 25.03)	2 (2, 3)	10.72 (8.13, 13.98)	-2.27 (-2.9, -1.65)	<0.001
Bhutan	8 (5, 10)	16.91 (10.9, 24.52)	10 (7, 14)	10.1 (6.61, 15.03)	-1.65 (-1.77, -1.54)	<0.001
Bolivia (Plurinational State of)	42 (31, 55)	7.77 (5.45, 10.78)	84 (58, 117)	5.35 (3.53, 7.8)	-1.21 (-1.31, -1.1)	<0.001
Bosnia and Herzegovina	63 (53, 75)	7.69 (6.37, 9.32)	72 (52, 93)	7.31 (5.28, 9.47)	-0.04 (-0.61, 0.53)	0.889
Botswana	41 (29, 56)	40.01 (26.68, 58.15)	71 (52, 95)	26.42 (17.64, 37.96)	-1.31 (-1.55, -1.08)	<0.001
Brazil	3352 (3226, 3466)	21.73 (20.47, 23.02)	6868 (6491, 7181)	16.31 (15.11, 17.4)	-0.95 (-1.01, -0.89)	<0.001
Brunei Darussalam	2 (1, 2)	9.8 (7.14, 13.14)	4 (3, 5)	5.9 (4.31, 7.83)	-1.69 (-2.3, -1.08)	<0.001
Bulgaria	189 (174, 204)	8.52 (7.48, 9.65)	157 (133, 182)	8.19 (6.72, 9.85)	-0.14 (-0.8, 0.52)	0.671
Burkina Faso	81 (61, 104)	10.62 (7.43, 14.87)	275 (192, 358)	17.29 (11.29, 24.71)	1.61 (1.48, 1.74)	<0.001
Burundi	264 (183, 342)	68.66 (45.23, 96.08)	312 (219, 418)	34.48 (22.97, 49.66)	-2.21 (-2.43, -1.98)	<0.001
Cabo Verde	8 (7, 10)	24.24 (17.69, 32)	38 (29, 48)	47.27 (31.38, 66.88)	2.22 (1.18, 3.28)	<0.001
Cambodia	117 (90, 151)	14.47 (10.18, 19.79)	206 (146, 278)	8.94 (5.94, 12.75)	-1.54 (-1.61, -1.47)	<0.001
Cameroon	94 (69, 121)	11.61 (8.02, 15.99)	464 (303, 651)	20.53 (12.63, 30.99)	1.86 (1.74, 1.99)	<0.001
Canada	513 (476, 557)	10.24 (8.91, 11.79)	994 (899, 1100)	9.38 (7.89, 11.11)	-0.38 (-0.74, -0.01)	0.042
Central African Republic	112 (79, 143)	50.73 (33.07, 70.84)	166 (112, 226)	37.7 (24.1, 55.06)	-0.92 (-0.98, -0.86)	<0.001
Chad	39 (30, 47)	8.49 (6.06, 11.54)	186 (134, 251)	18.23 (11.96, 26.27)	2.55 (2.39, 2.72)	<0.001
Chile	297 (275, 321)	18.05 (15.61, 20.8)	242 (220, 268)	5.85 (4.94, 6.88)	-3.54 (-3.89, -3.19)	<0.001
China	117367 (96643, 138448)	77.08 (62.66, 91.38)	130211 (101815, 165159)	34.47 (26.67, 43.7)	-2.6 (-2.81, -2.39)	<0.001
Colombia	315 (295, 340)	10.7 (9.34, 12.24)	364 (289, 447)	3.99 (3.07, 5.13)	-3.18 (-3.8, -2.55)	<0.001
Comoros	21 (14, 28)	57.74 (37.82, 83.86)	34 (24, 47)	39.34 (25.79, 57.84)	-1.25 (-1.7, -0.8)	<0.001
Congo	107 (78, 140)	54.48 (36.04, 77.46)	174 (120, 245)	34.22 (22.49, 50.34)	-1.5 (-1.76, -1.24)	<0.001
Cook Islands	0 (0, 0)	8.44 (5.82, 11.7)	0 (0, 0)	6.72 (4.59, 9.55)	-0.7 (-0.83, -0.57)	<0.001
Costa Rica	18 (16, 20)	6.52 (5.56, 7.7)	35 (30, 41)	3.87 (3.07, 4.74)	-2.06 (-2.26, -1.86)	<0.001
Côte d'Ivoire	32 (25, 40)	4.34 (3.06, 5.91)	86 (61, 118)	4.22 (2.8, 6.26)	-1.08 (-2.46, 0.32)	0.13
Croatia	143 (130, 156)	12.22 (10.41, 14.19)	107 (91, 122)	8.63 (6.96, 10.46)	1.71 (1.41, 2.01)	<0.001
Cuba	164 (152, 177)	10.48 (8.96, 12.12)	521 (436, 617)	16.73 (13.13, 21.06)	-0.04 (-0.48, 0.42)	0.88
Cyprus	4 (3, 6)	3.35 (2.42, 4.58)	10 (7, 13)	3.26 (2.33, 4.5)	0.31 (-0.35, 0.98)	0.354
Czechia	203 (185, 222)	9.31 (8.07, 10.74)	291 (246, 338)	10.24 (8.36, 12.43)	-0.08 (-0.24, 0.08)	0.331
Democratic Republic of Korea	1048 (719, 1451)	34.46 (22.57, 50.58)	1744 (1236, 2391)	30.3 (20, 44.02)	-0.41 (-0.46, -0.36)	<0.001
Democratic Republic of the Congo	981 (663, 1346)	32.66 (20.93, 47.18)	1853 (1231, 2546)	26.42 (16.67, 39.15)	-0.7 (-0.87, -0.53)	<0.001
Denmark	168 (156, 182)	15.43 (13.41, 17.74)	201 (180, 221)	13.04 (11, 15.38)	-0.57 (-1.22, 0.09)	0.088
Djibouti	13 (9, 18)	49.94 (32.65, 73.96)	47 (31, 70)	38.73 (23.55, 59.65)	-0.84 (-0.93, -0.74)	<0.001
Dominica	1 (1, 1)	14.22 (10.95, 18.36)	2 (2, 3)	15.11 (10.64, 21.4)	0.21 (0.11, 0.31)	<0.001
Dominican Republic	34 (28, 42)	5.48 (4.1, 7.31)	110 (82, 144)	6.75 (4.55, 9.57)	0.77 (-0.21, 1.76)	0.123

Ecuador	43 (39, 47)	5.11 (4.33, 6)	65 (48, 85)	2.46 (1.79, 3.3)	-2.33 (-3.16, -1.5)	<0.001
Egypt	174 (150, 203)	3.36 (2.54, 4.4)	346 (266, 439)	2.74 (1.91, 3.81)	-0.64 (-1.12, -0.15)	0.01
El Salvador	23 (21, 26)	4.89 (3.99, 5.93)	42 (32, 53)	4.46 (3.19, 5.96)	-0.1 (-1.15, 0.97)	0.86
Equatorial Guinea	17 (12, 23)	47.87 (30.74, 68.8)	25 (16, 37)	27.28 (16.07, 41.98)	-1.76 (-2.08, -1.44)	<0.001
Eritrea	168 (111, 224)	74.1 (45.8, 106.04)	244 (167, 353)	46.75 (30.17, 71.87)	-1.5 (-1.63, -1.36)	<0.001
Estonia	41 (37, 46)	12 (10.07, 14.14)	33 (27, 40)	9.1 (7.1, 11.53)	-0.94 (-2.26, 0.41)	0.17
Eswatini	29 (21, 38)	58.13 (39.64, 79.55)	60 (41, 84)	58.74 (38.04, 88.62)	0.03 (-0.3, 0.36)	0.861
Ethiopia	1215 (849, 1576)	33.76 (23.12, 44.75)	1104 (881, 1492)	15.29 (11.74, 20.77)	-2.52 (-2.69, -2.34)	<0.001
Fiji	4 (3, 5)	6.83 (4.85, 9.54)	11 (8, 15)	7.53 (4.82, 10.96)	0.23 (-0.32, 0.78)	0.411
Finland	90 (84, 96)	8.54 (7.53, 9.62)	123 (112, 134)	7.88 (6.89, 9.03)	-0.3 (-0.65, 0.04)	0.088
France	3351 (3090, 3630)	27.54 (23.72, 31.84)	1941 (1742, 2160)	11.06 (9.16, 13.2)	-2.86 (-3.21, -2.5)	<0.001
Gabon	41 (30, 53)	41.43 (27.94, 57.98)	68 (48, 91)	33.96 (21.96, 49.52)	-0.59 (-0.79, -0.39)	<0.001
Gambia	3 (2, 4)	5.04 (3.47, 7.07)	10 (7, 13)	6.32 (4.31, 8.83)	0.74 (-0.11, 1.61)	0.089
Georgia	77 (67, 88)	6.82 (5.92, 7.84)	31 (27, 37)	3.27 (2.77, 3.84)	-2.49 (-4.24, -0.71)	0.006
Germany	2104 (1942, 2263)	11.08 (9.61, 12.8)	2912 (2645, 3172)	11.49 (9.65, 13.58)	0.14 (-0.22, 0.5)	0.455
Ghana	86 (64, 112)	7.71 (5.29, 10.82)	308 (212, 404)	10.29 (6.6, 14.96)	0.94 (0.82, 1.06)	<0.001
Greece	126 (116, 136)	5.17 (4.51, 5.93)	138 (127, 150)	4.9 (4.22, 5.63)	0.01 (-0.21, 0.24)	0.906
Greenland	3 (3, 4)	54.65 (41.6, 70.23)	5 (4, 6)	34.34 (24.28, 46.39)	-1.36 (-1.45, -1.28)	<0.001
Grenada	2 (2, 2)	21.69 (17.62, 26.73)	3 (3, 4)	14.78 (11.58, 18.7)	-1.19 (-2.51, 0.16)	0.084
Guam	1 (1, 1)	6.69 (5.11, 8.67)	2 (2, 3)	5.84 (4.35, 7.69)	-0.54 (-1.39, 0.32)	0.214
Guatemala	35 (33, 37)	5.72 (5.08, 6.43)	72 (60, 86)	3.99 (3.23, 4.91)	-1.22 (-2.43, 0.01)	0.052
Guinea	23 (17, 29)	4.04 (2.85, 5.49)	43 (29, 61)	4.47 (2.86, 6.66)	0.34 (0.22, 0.45)	<0.001
Guinea-Bissau	12 (9, 15)	16.94 (11.14, 23.91)	33 (24, 42)	24.8 (16.84, 34.7)	1.27 (1.15, 1.4)	<0.001
Guyana	4 (4, 5)	6.89 (5.66, 8.39)	8 (6, 11)	6.8 (4.8, 9.25)	0.05 (-0.68, 0.78)	0.901
Haiti	103 (73, 135)	17.4 (11.46, 24.64)	166 (115, 236)	12.58 (8.06, 18.85)	-1 (-1.05, -0.95)	<0.001
Honduras	10 (8, 12)	2.79 (2.05, 3.72)	42 (31, 55)	3.9 (2.7, 5.46)	1.14 (0.81, 1.47)	<0.001
Hungary	367 (340, 396)	15.59 (13.37, 18.28)	341 (298, 394)	12.81 (10.54, 15.5)	-0.7 (-0.94, -0.46)	<0.001
Iceland	5 (5, 6)	12.92 (10.91, 15.1)	8 (7, 9)	9.75 (7.96, 11.85)	-0.79 (-1.55, -0.01)	0.046
India	10058 (8746, 12637)	11.75 (10.07, 14.74)	19946 (17468, 23628)	9.65 (8.32, 11.55)	-0.64 (-0.93, -0.34)	<0.001
Indonesia	1068 (799, 1290)	5.89 (4.43, 7.23)	2169 (1661, 2743)	4.63 (3.54, 5.87)	-0.78 (-0.86, -0.7)	<0.001
Iran (Islamic Republic of)	705 (607, 793)	13.66 (11.72, 15.51)	1169 (1061, 1285)	8.59 (7.7, 9.59)	-1.5 (-1.66, -1.35)	<0.001
Iraq	49 (37, 63)	3.88 (2.72, 5.24)	140 (95, 190)	3.28 (2.15, 4.6)	-0.54 (-0.78, -0.29)	<0.001
Ireland	124 (115, 135)	20.54 (17.7, 23.72)	149 (131, 167)	13.04 (10.74, 15.63)	-1.49 (-1.96, -1.01)	<0.001
Israel	36 (33, 40)	4.93 (4.18, 5.74)	61 (55, 66)	3.55 (2.97, 4.25)	-0.92 (-1.75, -0.09)	0.03
Italy	1363 (1318, 1412)	9.82 (9.31, 10.39)	735 (701, 771)	4.19 (3.93, 4.47)	-2.84 (-3.46, -2.22)	<0.001
Jamaica	22 (20, 24)	8.45 (7.13, 9.96)	43 (31, 59)	8.67 (6.03, 12.12)	0.69 (-1.41, 2.84)	0.522
Japan	4084 (3982, 4173)	14.47 (13.97, 14.98)	3424 (3281, 3534)	9.7 (9.25, 10.1)	-1.33 (-1.6, -1.05)	<0.001
Jordan	8 (6, 11)	3.37 (2.39, 4.58)	30 (22, 39)	2.15 (1.47, 3.09)	-1.45 (-1.71, -1.19)	<0.001
Kazakhstan	1353 (1250, 1459)	60.26 (53.65, 67.37)	471 (402, 550)	14.06 (11.93, 16.45)	-4.47 (-5.01, -3.92)	<0.001
Kenya	437 (314, 621)	31.07 (22.17, 44.55)	1518 (1101, 2118)	36.59 (26.46, 50.96)	0.5 (0.26, 0.75)	<0.001
Kiribati	1 (1, 2)	19.95 (13.84, 27.88)	2 (2, 3)	16.97 (10.88, 24.97)	-0.51 (-0.59, -0.43)	<0.001

Kuwait	6 (5, 6)	5.43 (4.54, 6.43)	10 (8, 13)	1.86 (1.39, 2.44)	-3.2 (-4.99, -1.38)	0.001
Kyrgyzstan	149 (125, 174)	27.74 (22.84, 33.25)	79 (60, 99)	8.6 (6.53, 10.84)	-3.93 (-4.09, -3.78)	<0.001
Lao People's Democratic Republic	56 (38, 76)	15.15 (9.74, 21.88)	64 (46, 91)	7.61 (4.97, 11.43)	-2.2 (-2.25, -2.14)	<0.001
Latvia	66 (60, 72)	10.98 (9.32, 12.9)	60 (51, 70)	11.21 (8.82, 14.02)	0.23 (-0.96, 1.42)	0.708
Lebanon	16 (12, 21)	3.83 (2.64, 5.32)	19 (14, 24)	2.2 (1.55, 3.05)	-1.74 (-1.97, -1.52)	<0.001
Lesotho	49 (37, 64)	34.77 (24.25, 49.03)	107 (76, 145)	55.88 (36.6, 80.72)	1.6 (1.25, 1.94)	<0.001
Liberia	19 (15, 24)	10.17 (7.11, 14.06)	66 (44, 96)	18.14 (11.36, 28.29)	1.87 (1.52, 2.22)	<0.001
Libya	14 (10, 20)	4.46 (2.94, 6.71)	49 (34, 67)	5.27 (3.36, 7.68)	0.51 (0.14, 0.87)	0.007
Lithuania	86 (79, 93)	11.18 (9.5, 13.14)	112 (95, 131)	14.01 (10.95, 17.54)	0.79 (-0.53, 2.12)	0.244
Luxembourg	12 (11, 13)	14.54 (12.58, 16.64)	15 (13, 17)	9.47 (7.93, 11.22)	-1.29 (-2.34, -0.22)	0.019
Madagascar	457 (333, 572)	50.2 (34.01, 68.18)	772 (522, 1073)	35.31 (22.38, 52.45)	-1.12 (-1.42, -0.83)	<0.001
Malawi	482 (380, 597)	69.35 (50.95, 92.17)	1109 (874, 1424)	85.88 (62.21, 118.08)	0.72 (0.49, 0.96)	<0.001
Malaysia	130 (105, 156)	8.43 (6.29, 11.17)	381 (306, 459)	7.56 (5.6, 10.09)	-0.39 (-1.17, 0.4)	0.334
Maldives	2 (1, 2)	10.04 (6.57, 13.95)	2 (1, 2)	2.85 (1.99, 3.97)	-4.08 (-4.42, -3.73)	<0.001
Mali	60 (49, 72)	8.18 (6, 10.87)	126 (93, 166)	7.94 (5.41, 11.25)	-0.05 (-0.28, 0.19)	0.697
Malta	6 (5, 6)	8.32 (6.94, 9.85)	7 (6, 8)	5.89 (4.8, 7.17)	-1.2 (-2.29, -0.1)	0.032
Marshall Islands	0 (0, 0)	9.21 (5.6, 13.7)	1 (0, 1)	7.48 (4.85, 11.28)	-0.65 (-0.76, -0.55)	<0.001
Mauritania	19 (15, 25)	11.93 (8.16, 16.67)	59 (40, 84)	15.68 (9.9, 23.52)	0.9 (0.48, 1.31)	<0.001
Mauritius	14 (13, 15)	11.24 (9.96, 12.6)	36 (32, 39)	10.79 (9.22, 12.4)	0.26 (-1.55, 2.11)	0.776
Mexico	379 (371, 387)	5.37 (5.18, 5.55)	812 (690, 943)	3.78 (3.2, 4.4)	-1.18 (-1.52, -0.83)	<0.001
Micronesia (Federated States of)	1 (1, 1)	10.04 (6.76, 14.27)	1 (1, 2)	8.3 (5.43, 12.18)	-0.62 (-0.67, -0.58)	<0.001
Monaco	1 (1, 2)	13.09 (9.2, 17.76)	2 (1, 2)	13.37 (9.56, 18.24)	0.05 (-0.12, 0.22)	0.571
Mongolia	121 (91, 154)	69.02 (51.56, 89.34)	175 (131, 228)	40.6 (29.93, 52.85)	-1.66 (-1.86, -1.46)	<0.001
Montenegro	8 (6, 10)	7.04 (5.5, 9.07)	12 (9, 15)	7.29 (5.53, 9.49)	0.22 (-0.29, 0.73)	0.403
Morocco	61 (47, 77)	2.58 (1.82, 3.55)	160 (110, 209)	2.57 (1.69, 3.63)	-0.03 (-0.22, 0.16)	0.753
Mozambique	251 (195, 321)	23.35 (16.28, 32.31)	567 (424, 739)	28.37 (19.33, 39.61)	0.64 (0.49, 0.78)	<0.001
Myanmar	568 (406, 752)	13.47 (8.84, 19.6)	613 (447, 864)	6.83 (4.56, 10.08)	-2.19 (-2.31, -2.07)	<0.001
Namibia	10 (8, 12)	8.3 (5.91, 11.27)	20 (15, 28)	8.18 (5.52, 12.11)	0.01 (-0.23, 0.24)	0.957
Nauru	0 (0, 0)	12.82 (8.35, 18.82)	0 (0, 0)	10.29 (6.55, 15.1)	-0.7 (-0.84, -0.57)	<0.001
Nepal	281 (209, 377)	16.23 (11.13, 23.57)	456 (315, 669)	11.23 (7.18, 17.05)	-1.18 (-1.28, -1.07)	<0.001
Netherlands	384 (355, 415)	13.11 (11.44, 14.97)	786 (713, 868)	15.98 (13.52, 18.77)	0.64 (0.27, 1.01)	0.001
New Zealand	75 (69, 82)	12.31 (10.66, 14.21)	89 (82, 98)	7.16 (6.13, 8.28)	-1.88 (-2.89, -0.86)	<0.001
Nicaragua	7 (6, 8)	2.7 (2.03, 3.56)	18 (14, 24)	2.24 (1.61, 3.08)	-0.68 (-0.98, -0.36)	<0.001
Niger	48 (35, 62)	9.47 (6.46, 13.42)	191 (130, 262)	12.88 (8.07, 18.78)	1.05 (0.67, 1.43)	<0.001
Nigeria	661 (488, 928)	8.67 (6.34, 12.21)	2018 (1353, 2810)	12.22 (8.09, 17)	1.1 (0.97, 1.23)	<0.001
Niue	0 (0, 0)	7.05 (4.79, 10.03)	0 (0, 0)	7.08 (4.72, 10.2)	0.02 (-0.09, 0.13)	0.724
North Macedonia	16 (13, 20)	4.68 (3.71, 5.88)	25 (18, 34)	4.36 (3.07, 5.86)	-0.26 (-0.52, 0.01)	0.058
Northern Mariana Islands	0 (0, 0)	3.84 (2.71, 5.48)	1 (1, 1)	7.05 (4.89, 9.72)	1.97 (1.37, 2.57)	<0.001
Norway	66 (64, 69)	7.57 (7.13, 8.04)	100 (95, 106)	7.37 (6.82, 7.93)	-0.08 (-0.88, 0.73)	0.845
Oman	7 (5, 10)	6.44 (4.22, 9.4)	15 (11, 21)	4.29 (2.92, 6.15)	-1.27 (-1.97, -0.56)	<0.001
Pakistan	1894 (1598, 2213)	20.29 (16.22, 25.01)	4308 (3370, 5511)	19.8 (14.88, 25.82)	-0.06 (-0.16, 0.05)	0.286
Palau	0 (0, 0)	8.49 (5.89, 11.62)	0 (0, 0)	6.93 (4.79, 10.02)	-0.66 (-0.86, -0.46)	<0.001
Palestine	5 (4, 7)	3.51 (2.37, 5.01)	10 (8, 13)	2.17 (1.58, 2.96)	-1.54 (-1.71, -1.37)	<0.001
Panama	11 (10, 12)	4.6 (4.01, 5.28)	20 (15, 25)	2.88 (2.09, 3.7)	-1.65 (-2.5, -0.8)	<0.001

Papua New Guinea	21 (14, 32)	6.02 (3.68, 9.67)	44 (30, 65)	4.68 (3.03, 7.17)	-0.82 (-0.93, -0.7)	<0.001
Paraguay	35 (29, 43)	9.71 (7.18, 13.07)	126 (93, 175)	12.73 (8.34, 18.63)	0.97 (0.77, 1.18)	<0.001
Peru	84 (65, 107)	4.3 (3.16, 5.66)	149 (104, 206)	2.77 (1.86, 3.98)	-1.25 (-2.44, -0.05)	0.041
Philippines	207 (177, 245)	3.99 (3.4, 4.78)	628 (502, 762)	4.16 (3.32, 5.06)	0.12 (0, 0.24)	0.049
Poland	863 (833, 892)	11.68 (11.13, 12.27)	1145 (1033, 1258)	10.8 (9.65, 11.91)	-0.2 (-0.47, 0.07)	0.155
Portugal	299 (274, 323)	13.34 (11.3, 15.63)	338 (304, 378)	11.31 (9.28, 13.65)	-0.56 (-1.43, 0.31)	0.205
Puerto Rico	93 (86, 101)	16.71 (14.19, 19.51)	58 (46, 71)	6.46 (4.9, 8.29)	-3.24 (-4.02, -2.46)	<0.001
Qatar	2 (2, 3)	11.18 (7.75, 15.47)	9 (6, 12)	4.55 (2.94, 6.81)	-2.87 (-3.35, -2.38)	<0.001
Republic of Korea	1062 (856, 1301)	19.42 (14.52, 25.5)	895 (714, 1129)	5.58 (4.03, 7.55)	-3.99 (-4.23, -3.75)	<0.001
Republic of Moldova	71 (65, 76)	8.69 (7.56, 9.95)	72 (64, 83)	7.27 (6.01, 8.73)	-0.61 (-1.54, 0.32)	0.199
Romania	258 (237, 283)	5.07 (4.31, 5.95)	518 (444, 601)	10.06 (7.97, 12.51)	2.24 (1.85, 2.63)	<0.001
Russian Federation	5642 (5537, 5749)	17.45 (16.95, 17.98)	4507 (4024, 4941)	11.4 (10.18, 12.53)	-1.13 (-1.84, -0.42)	0.002
Rwanda	398 (273, 508)	76.08 (49.14, 105.77)	412 (293, 555)	35.03 (22.49, 51.94)	-2.5 (-2.68, -2.31)	<0.001
Saint Kitts and Nevis	1 (1, 1)	13.18 (11.33, 15.1)	2 (1, 2)	11.84 (9.07, 15.04)	-0.38 (-1.02, 0.26)	0.24
Saint Lucia	2 (2, 2)	14.78 (12.69, 17.11)	5 (4, 6)	12.22 (9.22, 15.79)	-0.54 (-1.26, 0.18)	0.14
Saint Vincent and the Grenadines	1 (1, 1)	6.62 (5.65, 7.71)	2 (2, 2)	7.36 (5.94, 8.94)	0.33 (-0.16, 0.83)	0.191
Samoa	1 (0, 1)	4.05 (2.84, 5.48)	1 (1, 1)	3.53 (2.46, 4.87)	-0.44 (-0.48, -0.41)	<0.001
San Marino	0 (0, 0)	4.52 (3.08, 6.57)	0 (0, 0)	2.34 (1.27, 3.77)	-2.33 (-2.65, -2)	<0.001
Sao Tome and Principe	1 (1, 1)	7.66 (5.5, 10.58)	3 (2, 4)	14.66 (10.15, 20.78)	2.14 (1.94, 2.35)	<0.001
Saudi Arabia	60 (42, 84)	6.32 (4.17, 9.05)	160 (119, 221)	4.31 (3.02, 6.05)	-1.21 (-1.43, -0.99)	<0.001
Senegal	56 (43, 70)	10.1 (7.13, 13.92)	215 (152, 293)	15.81 (10.45, 22.8)	1.46 (1.14, 1.77)	<0.001
Serbia	178 (131, 245)	7.93 (5.75, 10.9)	183 (130, 256)	7.5 (5.31, 10.53)	-0.01 (-0.73, 0.72)	0.983
Seychelles	2 (1, 2)	19.04 (14.04, 25.51)	3 (2, 4)	14.15 (9.92, 19.57)	-0.86 (-1.33, -0.39)	<0.001
Sierra Leone	30 (22, 39)	9.22 (6.23, 13.05)	100 (72, 137)	15.68 (10.3, 22.56)	1.74 (1.61, 1.86)	<0.001
Singapore	49 (45, 53)	13.13 (11.24, 15.41)	62 (55, 69)	4.17 (3.43, 4.99)	-3.54 (-5.48, -1.55)	0.001
Slovakia	151 (111, 201)	15.4 (11.12, 21.07)	177 (125, 251)	12.12 (8.47, 17.29)	-0.7 (-1.27, -0.12)	0.018
Slovenia	50 (46, 55)	12.1 (10.33, 14.19)	43 (36, 51)	6.96 (5.48, 8.73)	-1.93 (-2.91, -0.94)	<0.001
Solomon Islands	2 (1, 3)	8.71 (5.07, 12.94)	5 (3, 7)	7.39 (4.65, 11.32)	-0.6 (-0.95, -0.26)	0.001
Somalia	329 (224, 461)	74.54 (47.79, 107.61)	571 (399, 779)	51.75 (33.54, 74.89)	-1.15 (-1.24, -1.05)	<0.001
South Africa	1181 (1031, 1426)	33.91 (28.92, 41.43)	2769 (2508, 3085)	33.7 (29.63, 38.43)	-0.13 (-0.92, 0.66)	0.742
South Sudan	265 (190, 365)	61.98 (40.45, 89.74)	374 (259, 510)	51.73 (33.65, 77.03)	-0.56 (-0.68, -0.45)	<0.001
Spain	1089 (1007, 1180)	13 (11.05, 15.09)	971 (874, 1074)	7.76 (6.37, 9.35)	-1.75 (-2.08, -1.41)	<0.001
Sri Lanka	302 (248, 373)	16.18 (12.06, 21.56)	553 (335, 796)	11.69 (6.75, 17.43)	-0.96 (-1.54, -0.38)	0.001
Sudan	223 (136, 304)	14.85 (8.56, 21.88)	397 (232, 576)	11.91 (7.03, 18.17)	-0.71 (-0.75, -0.66)	<0.001
Suriname	3 (2, 3)	5.58 (4.23, 7.29)	6 (5, 8)	5.44 (3.6, 7.69)	-0.01 (-0.79, 0.78)	0.98
Sweden	134 (125, 145)	7 (6.18, 7.9)	165 (141, 193)	6.37 (5.23, 7.66)	-0.3 (-1.21, 0.61)	0.512
Switzerland	192 (178, 207)	13.43 (11.54, 15.56)	176 (158, 194)	7.36 (6.12, 8.84)	-2.16 (-3, -1.3)	<0.001
Syrian Arab Republic	22 (17, 28)	2.32 (1.7, 3.09)	56 (38, 79)	2.2 (1.47, 3.1)	-0.18 (-0.41, 0.05)	0.118
Taiwan (Province of China)	807 (748, 873)	27.52 (23.74, 31.78)	1836 (1634, 2024)	26.67 (22.45, 31.06)	-0.16 (-0.31, -0.01)	0.032
Tajikistan	172 (140, 211)	35.28 (27.82, 44.07)	186 (134, 248)	16.2 (11.65, 21.73)	-2.6 (-2.91, -2.29)	<0.001
Thailand	1032 (780, 1410)	16.02 (10.99, 23.59)	2627 (1874, 3524)	13.95 (9.11, 20.38)	-0.48 (-0.7, -0.26)	<0.001

Timor-Leste	4 (3, 6)	8.48 (5.31, 12.47)	9 (6, 13)	6.37 (4.08, 9.53)	-0.93 (-1.13, -0.74)	<0.001
Togo	21 (17, 27)	10.03 (7.01, 13.97)	137 (96, 192)	19.28 (12.22, 28.51)	2.12 (1.86, 2.38)	<0.001
Tokelau	0 (0, 0)	6.4 (3.93, 9.46)	0 (0, 0)	5.14 (3.32, 7.42)	-0.76 (-1, -0.51)	<0.001
Tonga	1 (0, 1)	5.97 (4.2, 8.25)	1 (1, 1)	5.69 (3.72, 8.22)	-0.17 (-0.58, 0.24)	0.416
Trinidad and Tobago	10 (9, 10)	7.29 (6.33, 8.38)	20 (15, 25)	5.96 (4.33, 8.07)	-0.35 (-0.87, 0.17)	0.187
Tunisia	17 (13, 21)	1.88 (1.37, 2.54)	42 (27, 61)	1.79 (1.12, 2.72)	-0.15 (-0.29, -0.01)	0.041
Turkey	422 (332, 521)	6.65 (4.83, 8.89)	669 (487, 864)	4.13 (2.82, 5.66)	-4.13 (-4.98, -3.28)	<0.001
Turkmenistan	339 (315, 361)	99.18 (90.55, 107.84)	207 (157, 270)	26.6 (20.22, 34.77)	-0.9 (-0.95, -0.85)	<0.001
Tuvalu	0 (0, 0)	8.37 (5.84, 11.75)	0 (0, 0)	6.31 (4.24, 9.11)	-1.58 (-1.85, -1.32)	<0.001
Uganda	542 (416, 676)	48.8 (34.33, 67.78)	1253 (931, 1660)	47.97 (32.66, 67.68)	-0.08 (-0.33, 0.16)	0.517
Ukraine	1465 (1341, 1599)	11.76 (9.98, 13.86)	1109 (734, 1587)	9.18 (5.85, 13.57)	-0.59 (-1.1, -0.08)	0.024
United Arab Emirates	5 (4, 7)	7.43 (4.91, 10.78)	32 (22, 43)	3.13 (2.05, 4.48)	-2.72 (-3.23, -2.2)	<0.001
United Kingdom	2494 (2450, 2528)	19.75 (19.28, 20.2)	2799 (2715, 2875)	16.41 (15.8, 17.02)	-0.48 (-0.66, -0.31)	<0.001
United Republic of Tanzania	1050 (779, 1341)	54.52 (37.65, 75.19)	1612 (1134, 2176)	36.07 (23.86, 51.83)	-1.32 (-1.43, -1.21)	<0.001
United States of America	5567 (5441, 5676)	12.29 (11.89, 12.65)	9121 (8816, 9369)	10.3 (9.89, 10.67)	-0.62 (-0.69, -0.55)	<0.001
United States Virgin Islands	1 (1, 2)	9.92 (7.08, 13.28)	2 (1, 2)	6.24 (4.15, 9)	-1.57 (-2.32, -0.82)	<0.001
Uruguay	150 (138, 164)	24.45 (20.81, 28.62)	106 (94, 118)	13.96 (11.57, 16.7)	-1.88 (-2.44, -1.32)	<0.001
Uzbekistan	982 (882, 1074)	49.49 (43.35, 56.11)	574 (471, 697)	11.01 (8.78, 13.72)	-4.83 (-5.92, -3.71)	<0.001
Vanuatu	1 (1, 1)	7.74 (4.96, 11.55)	2 (2, 3)	6.65 (4.52, 9.57)	-0.52 (-0.78, -0.26)	<0.001
Venezuela (Bolivarian Republic of)	110 (102, 119)	6.97 (6.05, 7.91)	232 (156, 317)	4.43 (3, 6.28)	-1.72 (-1.87, -1.56)	<0.001
Viet Nam	505 (350, 697)	7.22 (4.67, 10.45)	1493 (1035, 2051)	7.95 (5.23, 11.54)	0.32 (0.17, 0.47)	<0.001
Yemen	143 (85, 209)	16.18 (9.24, 24.46)	271 (141, 403)	11.17 (5.61, 17.2)	-1.17 (-1.28, -1.05)	<0.001
Zambia	340 (256, 427)	67.01 (47.04, 91.41)	645 (427, 1018)	52.65 (32.28, 89.93)	-0.78 (-0.92, -0.63)	<0.001
Zimbabwe	292 (226, 360)	40.6 (28.98, 55.29)	626 (464, 797)	49.75 (33.91, 68.13)	0.68 (0.44, 0.92)	<0.001
MOEC						
Afghanistan	205 (115, 282)	66.55 (34.85, 99.72)	231 (122, 324)	57.77 (29.06, 86.42)	-0.46 (-0.5, -0.41)	<0.001
Albania	16 (14, 20)	16.81 (12.91, 21.54)	35 (26, 45)	13 (9.3, 17.45)	-0.89 (-1.54, -0.24)	0.008
Algeria	38 (30, 46)	7.68 (5.62, 10.29)	111 (85, 137)	7.05 (4.98, 9.55)	-0.24 (-0.4, -0.09)	0.002
American Samoa	0 (0, 0)	10.61 (7.69, 14.57)	0 (0, 0)	13.61 (9.74, 18.36)	0.8 (0.04, 1.57)	0.039
Andorra	0 (0, 1)	14.05 (9.55, 20.18)	1 (1, 1)	9.37 (5.98, 13.91)	-1.43 (-1.85, -1)	<0.001
Angola	103 (75, 138)	81.51 (55, 117.25)	247 (175, 334)	64.74 (42.59, 93.15)	-0.73 (-0.83, -0.62)	<0.001
Antigua and Barbuda	1 (1, 1)	28.43 (24.74, 32.4)	1 (1, 2)	26.57 (22.96, 30.45)	-0.29 (-0.96, 0.38)	0.394
Argentina	1162 (1070, 1274)	64.06 (54.34, 74.25)	1423 (1277, 1574)	39.14 (32.4, 46.32)	-1.55 (-2, -1.1)	<0.001
Armenia	29 (26, 32)	23.72 (20.81, 26.54)	23 (19, 26)	9.14 (7.81, 10.59)	-3.4 (-3.82, -2.98)	<0.001
Australia	433 (398, 468)	36.08 (30.95, 41.33)	1144 (995, 1271)	35.32 (28.64, 41.94)	-0.15 (-0.66, 0.35)	0.552
Austria	134 (122, 145)	16.92 (14.5, 19.58)	236 (204, 261)	18.23 (14.82, 21.83)	0.27 (-0.42, 0.97)	0.439
Azerbaijan	142 (120, 165)	63.42 (51.02, 77.79)	194 (142, 255)	50.52 (36.07, 67.07)	-0.71 (-1.05, -0.37)	<0.001
Bahamas	3 (3, 3)	39.48 (33.96, 45.23)	7 (6, 8)	36.73 (29.14, 45.61)	-0.03 (-1.13, 1.08)	0.954
Bahrain	2 (2, 3)	42.89 (32.73, 55.98)	6 (4, 7)	26.75 (19.6, 35.77)	-1.49 (-2.22, -0.74)	<0.001
Bangladesh	740 (508, 1001)	32.7 (21.35, 47.24)	1848 (1273, 2584)	26.14 (17.12, 38.08)	-0.55 (-1.29, 0.19)	0.146
Barbados	11 (10, 11)	49.49 (43.3, 56.34)	15 (12, 18)	45.04 (35.17, 55.7)	-0.27 (-0.83, 0.3)	0.355

Belarus	111 (98, 123)	15.79 (13.24, 18.6)	120 (98, 147)	12.56 (9.62, 16.05)	-0.95 (-1.65, -0.25)	0.008
Belgium	303 (270, 330)	30.59 (25.75, 35.53)	566 (488, 630)	33.62 (27.04, 40.07)	0.36 (-0.26, 0.99)	0.256
Belize	1 (1, 1)	15.74 (13.7, 17.89)	2 (2, 3)	16.62 (13.6, 19.74)	0.21 (-0.44, 0.86)	0.528
Benin	25 (20, 32)	24.87 (18.3, 32.81)	93 (67, 123)	42.15 (28.47, 58.66)	1.73 (1.58, 1.89)	<0.001
Bermuda	2 (2, 2)	58.47 (49.16, 69.13)	3 (3, 4)	34.25 (26.84, 43.18)	-1.78 (-2.53, -1.02)	<0.001
Bhutan	3 (2, 4)	36.18 (22.44, 52.78)	10 (8, 14)	31.93 (21.37, 44.38)	-0.39 (-0.48, -0.3)	<0.001
Bolivia (Plurinational State of)	40 (30, 51)	27.38 (19.51, 36.88)	110 (81, 146)	24.74 (17.39, 34.41)	-0.33 (-0.43, -0.22)	<0.001
Bosnia and Herzegovina	29 (24, 35)	17.01 (13.89, 20.68)	59 (45, 75)	15.11 (11.35, 19.26)	-0.29 (-0.54, -0.04)	0.021
Botswana	20 (14, 26)	90.12 (62.14, 126.5)	42 (32, 54)	73.32 (51.99, 100.28)	-0.7 (-1.22, -0.18)	0.009
Brazil	2055 (1914, 2155)	50.08 (45.47, 53.53)	4808 (4323, 5123)	34.04 (30.1, 36.89)	-1.16 (-1.45, -0.86)	<0.001
Brunei Darussalam	1 (1, 1)	25.38 (18.75, 33.09)	2 (2, 3)	18.15 (13.54, 23.88)	-1.16 (-1.85, -0.47)	0.001
Bulgaria	101 (93, 109)	16.48 (14.73, 18.38)	129 (112, 146)	12.8 (10.84, 14.9)	-1.04 (-1.31, -0.77)	<0.001
Burkina Faso	51 (40, 64)	26.44 (19.46, 36.02)	192 (130, 255)	46.21 (29.7, 65.96)	1.85 (1.57, 2.13)	<0.001
Burundi	145 (105, 185)	129.8 (89.15, 174.35)	152 (109, 200)	87.44 (60.4, 123.42)	-1.27 (-1.35, -1.19)	<0.001
Cabo Verde	12 (9, 15)	80.79 (58.02, 106.51)	25 (20, 31)	122.14 (87.74, 164.92)	1.38 (0.47, 2.28)	0.003
Cambodia	55 (42, 69)	29.69 (21.24, 40.19)	128 (94, 172)	24.21 (16.86, 33.85)	-0.66 (-0.72, -0.59)	<0.001
Cameroon	52 (41, 66)	28.54 (20.65, 38.51)	247 (169, 338)	49.78 (32.02, 71.49)	1.82 (1.68, 1.97)	<0.001
Canada	579 (525, 627)	28.75 (24.33, 33.36)	1531 (1340, 1678)	30.56 (25.07, 36.15)	0.14 (-0.06, 0.34)	0.174
Central African Republic	33 (24, 41)	89.68 (60.72, 125.28)	46 (32, 61)	75.87 (50.24, 112.43)	-0.53 (-0.6, -0.46)	<0.001
Chad	30 (24, 37)	20.31 (14.8, 27.45)	104 (76, 133)	43.72 (29.47, 60.2)	2.55 (2.36, 2.75)	<0.001
Chile	429 (392, 465)	80.99 (69.5, 94.1)	563 (493, 620)	34.76 (28.73, 41.16)	-2.74 (-3.27, -2.22)	<0.001
China	71100 (58772, 81276)	196.34 (159.15, 225.33)	153230 (125783, 181679)	131.7 (105.36, 159.36)	-1.26 (-1.49, -1.04)	<0.001
Colombia	341 (312, 369)	41.36 (35.5, 47.41)	619 (507, 736)	18.76 (14.54, 23.36)	-2.55 (-3.12, -1.97)	<0.001
Comoros	9 (7, 12)	120.37 (83.09, 166.92)	23 (17, 30)	105.07 (72.4, 148.97)	-0.45 (-0.6, -0.3)	<0.001
Congo	46 (34, 59)	109.64 (75.21, 154.2)	76 (57, 98)	83.38 (58.07, 119.02)	-0.84 (-0.99, -0.69)	<0.001
Cook Islands	0 (0, 0)	26.79 (18.96, 36.24)	0 (0, 0)	21.29 (14.85, 29.51)	-0.77 (-1.16, -0.39)	<0.001
Costa Rica	23 (21, 26)	24.46 (20.49, 28.83)	49 (42, 56)	15.09 (12.15, 18.36)	-1.41 (-1.74, -1.09)	<0.001
Côte d'Ivoire	13 (11, 16)	10.25 (7.54, 13.46)	43 (34, 56)	10.55 (7.58, 14.35)	-1.33 (-1.88, -0.77)	<0.001
Croatia	73 (66, 80)	24.91 (21.4, 28.94)	105 (91, 119)	16.93 (14.07, 20.19)	0.08 (-0.14, 0.29)	0.484
Cuba	205 (187, 223)	33.19 (28.25, 38.86)	406 (347, 472)	32.04 (25.79, 39.26)	-0.79 (-1.17, -0.41)	<0.001
Cyprus	6 (5, 8)	15.75 (10.86, 21.31)	16 (13, 20)	12.82 (9.33, 17.28)	0.41 (-0.25, 1.06)	0.227
Czechia	152 (138, 169)	18.26 (15.77, 20.88)	312 (269, 363)	20.23 (16.64, 24.33)	0.11 (-0.08, 0.31)	0.248
Democratic Republic of Korea	499 (370, 649)	76.83 (53.54, 106.01)	1035 (756, 1391)	58.99 (40.67, 83.02)	-0.84 (-0.9, -0.78)	<0.001
Democratic Republic of the Congo	401 (291, 542)	74.28 (49.83, 106.85)	776 (539, 1078)	63.76 (41.33, 98.31)	-0.5 (-0.61, -0.38)	<0.001
Denmark	194 (178, 210)	34.43 (29.55, 39.38)	351 (304, 388)	40.03 (32.66, 47.66)	0.32 (-0.52, 1.17)	0.458
Djibouti	5 (3, 6)	111.82 (77.65, 157.6)	21 (14, 30)	101.1 (65.47, 151.28)	-0.32 (-0.38, -0.26)	<0.001
Dominica	2 (1, 2)	44.31 (34.16, 57.29)	2 (2, 2)	41.3 (30.86, 55.41)	-0.22 (-0.31, -0.13)	<0.001
Dominican Republic	28 (23, 35)	16.47 (12.52, 21.55)	94 (71, 123)	16.56 (11.61, 22.9)	-0.04 (-0.79, 0.71)	0.916
Ecuador	58 (52, 64)	21.73 (18.6, 25.41)	131 (106, 160)	14.01 (10.74, 17.99)	-1.29 (-2.24, -0.34)	0.008

Egypt	93 (76, 124)	10.49 (7.72, 14.27)	212 (167, 267)	10.18 (7.41, 13.66)	-0.04 (-0.47, 0.4)	0.863
El Salvador	28 (24, 32)	17.37 (13.99, 20.99)	61 (48, 75)	15.29 (11.41, 19.81)	-0.43 (-1.41, 0.56)	0.396
Equatorial Guinea	6 (5, 8)	87.38 (59.9, 119.57)	14 (10, 19)	73.98 (49.72, 106.79)	-0.49 (-0.71, -0.27)	<0.001
Eritrea	35 (24, 48)	127.95 (81, 184.73)	100 (70, 143)	116.03 (76.89, 177.45)	-0.31 (-0.39, -0.23)	<0.001
Estonia	23 (21, 25)	19.39 (16.44, 22.64)	32 (27, 37)	17 (13.47, 20.98)	-0.5 (-1.21, 0.21)	0.167
Eswatini	13 (10, 16)	112.91 (79.07, 151.87)	24 (17, 30)	105.89 (70.91, 147.75)	-0.18 (-0.4, 0.04)	0.114
Ethiopia	507 (363, 663)	66.59 (46.1, 89.87)	844 (682, 1129)	43.88 (33.95, 59.45)	-1.34 (-1.44, -1.23)	<0.001
Fiji	2 (2, 3)	19.47 (13.41, 26.75)	6 (5, 8)	23.99 (14.91, 34.58)	0.7 (0.39, 1)	<0.001
Finland	132 (118, 141)	28.5 (24.62, 32.22)	229 (198, 251)	23.5 (19.36, 27.31)	-0.56 (-0.74, -0.39)	<0.001
France	2457 (2205, 2656)	46.44 (39.36, 53.85)	3021 (2568, 3376)	28 (22.36, 33.64)	-1.57 (-1.98, -1.16)	<0.001
Gabon	26 (19, 32)	93 (62.75, 129.18)	33 (24, 42)	84.07 (57.8, 115.97)	-0.26 (-0.34, -0.18)	<0.001
Gambia	2 (1, 2)	11.75 (8.48, 15.83)	7 (5, 9)	15.55 (10.87, 21.25)	0.93 (0.55, 1.3)	<0.001
Georgia	55 (47, 63)	16.35 (13.85, 19.06)	34 (28, 40)	9.19 (7.64, 10.92)	-2.01 (-2.88, -1.14)	<0.001
Germany	1610 (1466, 1741)	19.23 (16.47, 22.11)	3850 (3302, 4267)	27.6 (22.62, 33.01)	1.27 (0.7, 1.83)	<0.001
Ghana	49 (38, 62)	19.71 (13.95, 26.47)	216 (137, 290)	32.21 (19.28, 46.69)	1.6 (1.47, 1.74)	<0.001
Greece	209 (189, 223)	21.93 (19.08, 24.76)	246 (215, 268)	12.54 (10.51, 14.37)	-1.87 (-2.41, -1.32)	<0.001
Greenland	1 (1, 2)	117.38 (91.35, 149.35)	2 (2, 3)	81.49 (58.9, 113.19)	-1.05 (-1.28, -0.82)	<0.001
Grenada	2 (2, 3)	46.02 (38.1, 54.99)	2 (2, 3)	35.97 (28.74, 44.63)	-0.87 (-3.36, 1.69)	0.503
Guam	0 (0, 1)	20.81 (15.88, 26.29)	1 (1, 2)	11.1 (8.08, 14.47)	-1.66 (-2.26, -1.06)	<0.001
Guatemala	36 (34, 39)	28.49 (25.26, 31.84)	101 (87, 117)	17.4 (14.34, 20.73)	-1.6 (-2.5, -0.69)	0.001
Guinea	16 (12, 19)	9.45 (6.75, 12.63)	28 (20, 37)	10.75 (7.22, 15.3)	0.44 (0.31, 0.57)	<0.001
Guinea-Bissau	5 (4, 7)	32.62 (23.19, 43.85)	14 (10, 17)	54.82 (36.91, 75.89)	1.7 (1.58, 1.82)	<0.001
Guyana	3 (3, 3)	16.19 (13.51, 19.25)	4 (3, 5)	14.05 (10.59, 18.02)	-0.37 (-0.84, 0.1)	0.123
Haiti	52 (38, 65)	40.32 (27.79, 55.46)	89 (63, 123)	32.25 (21.66, 45.69)	-0.69 (-0.77, -0.61)	<0.001
Honduras	9 (7, 11)	9.47 (7.07, 12.48)	46 (35, 58)	15.24 (10.82, 20.72)	1.59 (1.3, 1.88)	<0.001
Hungary	150 (136, 165)	17.74 (15, 20.77)	214 (185, 245)	15.92 (13.3, 18.99)	-0.24 (-0.79, 0.31)	0.393
Iceland	7 (6, 7)	36.81 (30.67, 43.13)	13 (11, 15)	32.96 (26.21, 39.68)	-0.29 (-1.14, 0.57)	0.504
India	4204 (3528, 5427)	23.67 (19.5, 30.77)	13374 (11728, 16774)	23.01 (19.86, 29.05)	-0.03 (-0.65, 0.6)	0.928
Indonesia	518 (384, 657)	13.82 (10.07, 17.96)	1286 (991, 1595)	14.11 (10.73, 17.94)	0.07 (0.01, 0.12)	0.013
Iran (Islamic Republic of)	423 (360, 476)	48.43 (40.3, 55.23)	1456 (1285, 1600)	39.57 (34.22, 44.05)	-0.68 (-0.81, -0.55)	<0.001
Iraq	35 (26, 45)	8.71 (6.34, 11.7)	100 (75, 130)	10.48 (7.56, 13.99)	0.66 (0.47, 0.84)	<0.001
Ireland	184 (167, 201)	70.11 (59.35, 80.67)	269 (226, 302)	50.36 (40.67, 60.79)	-1.05 (-1.38, -0.71)	<0.001
Israel	59 (53, 66)	19.95 (16.74, 23.39)	117 (100, 130)	13.45 (10.78, 16.04)	-1.3 (-2.28, -0.3)	0.011
Italy	1394 (1264, 1465)	24.81 (22.3, 26.55)	1588 (1358, 1711)	14.01 (12.06, 15.31)	-1.85 (-2.31, -1.39)	<0.001
Jamaica	32 (29, 35)	26.88 (22.35, 31.49)	48 (37, 59)	25.7 (18.95, 33.59)	0.49 (-1.72, 2.75)	0.665
Japan	4023 (3727, 4184)	40.83 (37.29, 42.9)	10956 (9500, 11724)	36.05 (31.52, 38.69)	-0.42 (-0.62, -0.21)	<0.001
Jordan	5 (4, 6)	9.56 (6.97, 12.82)	23 (18, 29)	8.08 (5.69, 11.1)	-0.5 (-1.12, 0.12)	0.113
Kazakhstan	957 (866, 1049)	157.68 (139.12, 176.05)	336 (288, 384)	41.86 (35.57, 48.48)	-4.15 (-4.94, -3.35)	<0.001
Kenya	246 (175, 369)	67.47 (47.63, 102.04)	910 (655, 1313)	102.04 (72.14, 147.88)	1.35 (1.22, 1.49)	<0.001
Kiribati	1 (0, 1)	46.05 (31.3, 64.45)	1 (1, 1)	43.59 (27.47, 61.27)	-0.17 (-0.24, -0.11)	<0.001

Kuwait	3 (3, 3)	15.01 (12.26, 17.99)	10 (8, 13)	9.96 (7.47, 12.98)	-0.78 (-2.31, 0.77)	0.321
Kyrgyzstan	88 (77, 100)	60.68 (50.15, 71.73)	48 (40, 56)	25.12 (19.88, 31.19)	-2.36 (-2.54, -2.17)	<0.001
Lao People's Democratic Republic	26 (19, 34)	28.9 (19.33, 40.61)	38 (28, 52)	20.12 (13.84, 29.08)	-1.17 (-1.25, -1.09)	<0.001
Latvia	38 (34, 42)	17.96 (15.44, 20.93)	44 (37, 50)	15.67 (12.52, 19.09)	-0.2 (-1.18, 0.78)	0.681
Lebanon	11 (8, 13)	11.15 (8.17, 15.04)	36 (28, 44)	8.87 (6.42, 11.89)	-0.68 (-0.87, -0.5)	<0.001
Lesotho	33 (25, 43)	77.88 (54.04, 109.84)	50 (36, 64)	104.56 (70.11, 145.09)	1.01 (0.74, 1.28)	<0.001
Liberia	15 (11, 19)	25.31 (18.47, 34.22)	37 (25, 51)	46.45 (30.03, 67.16)	1.99 (1.91, 2.06)	<0.001
Libya	10 (7, 13)	11.16 (7.47, 15.8)	29 (21, 38)	13.31 (9.18, 18.81)	0.59 (0.16, 1.03)	0.008
Lithuania	47 (43, 51)	18.28 (15.53, 21.21)	71 (61, 82)	18.06 (14.59, 21.93)	-0.03 (-0.32, 0.26)	0.858
Luxembourg	12 (11, 13)	35.64 (31.18, 40.41)	20 (17, 22)	27.74 (23.13, 32.16)	-0.81 (-1.29, -0.32)	0.001
Madagascar	220 (165, 270)	103.57 (72.71, 138.34)	298 (204, 409)	85.69 (56.04, 125.43)	-0.62 (-0.76, -0.48)	<0.001
Malawi	234 (187, 289)	159.25 (116.42, 206.79)	596 (472, 740)	197.64 (142.66, 263.99)	0.72 (0.57, 0.88)	<0.001
Malaysia	93 (76, 112)	21.34 (15.83, 28.29)	302 (248, 360)	21.8 (16.37, 28.16)	-0.1 (-0.41, 0.21)	0.529
Maldives	1 (0, 1)	21.76 (15.54, 29.61)	2 (1, 2)	11.3 (8.22, 14.97)	-2.27 (-2.5, -2.04)	<0.001
Mali	30 (25, 36)	18.78 (14.06, 24.7)	73 (55, 96)	20.21 (13.98, 27.85)	0.3 (0.03, 0.56)	0.029
Malta	6 (5, 7)	24.1 (20.17, 28.5)	13 (11, 15)	17.79 (14.28, 21.73)	-1.09 (-1.33, -0.84)	<0.001
Marshall Islands	0 (0, 0)	21.31 (14.18, 30.79)	0 (0, 0)	20.19 (13.78, 28.73)	-0.18 (-0.27, -0.09)	<0.001
Mauritania	15 (11, 19)	28.17 (19.81, 38.9)	48 (34, 64)	47.45 (30.94, 66.71)	1.72 (1.43, 2.01)	<0.001
Mauritius	9 (8, 10)	27.62 (24.11, 31.05)	23 (21, 25)	23.64 (20.27, 26.93)	-0.53 (-2.79, 1.78)	0.65
Mexico	467 (444, 480)	23.82 (22.53, 24.84)	897 (792, 1002)	13.31 (11.64, 14.99)	-1.86 (-2.05, -1.68)	<0.001
Micronesia (Federated States of)	1 (0, 1)	24.26 (17.35, 33.23)	0 (0, 1)	20.55 (14.43, 28.8)	-0.54 (-0.58, -0.49)	<0.001
Monaco	2 (2, 3)	41.06 (28.31, 56)	4 (3, 4)	48.14 (34.56, 63.77)	0.52 (0.42, 0.61)	<0.001
Mongolia	111 (86, 144)	216.39 (159, 290.69)	150 (115, 191)	176.82 (133.69, 226.8)	-0.77 (-1.14, -0.39)	<0.001
Montenegro	4 (3, 5)	11 (8.83, 13.86)	9 (7, 11)	15.67 (12.39, 19.52)	1.32 (0.84, 1.79)	<0.001
Morocco	47 (37, 58)	6.66 (4.86, 9.01)	122 (92, 152)	7.39 (5.23, 9.93)	0.32 (0.18, 0.47)	<0.001
Mozambique	168 (130, 206)	72.24 (50.13, 97.24)	331 (252, 420)	80.41 (55.83, 110.98)	0.41 (0.3, 0.52)	<0.001
Myanmar	256 (194, 320)	26.29 (18.14, 35.99)	403 (312, 539)	18.26 (12.75, 26.33)	-1.17 (-1.24, -1.1)	<0.001
Namibia	4 (3, 5)	16.19 (11.85, 21.66)	9 (7, 12)	15.87 (11.59, 21.23)	-0.05 (-0.22, 0.12)	0.571
Nauru	0 (0, 0)	30.45 (20.74, 42.5)	0 (0, 0)	23.7 (15.91, 33.27)	-0.79 (-0.84, -0.74)	<0.001
Nepal	123 (93, 158)	34.43 (23.87, 48.04)	354 (257, 490)	31.74 (21.53, 46.32)	-0.24 (-0.35, -0.14)	<0.001
Netherlands	517 (466, 561)	39.78 (33.73, 45.95)	1435 (1243, 1592)	57.39 (47.31, 68.25)	1.22 (0.67, 1.76)	<0.001
New Zealand	109 (98, 119)	44.51 (37.41, 51.44)	196 (172, 216)	33.78 (27.88, 39.82)	-0.92 (-1.17, -0.67)	<0.001
Nicaragua	7 (6, 9)	10.15 (7.79, 13.01)	20 (16, 24)	7.87 (5.72, 10.38)	-0.85 (-1.27, -0.43)	<0.001
Niger	23 (17, 28)	22.24 (15.44, 30.26)	121 (82, 159)	36.63 (23.51, 51.36)	1.64 (1.4, 1.88)	<0.001
Nigeria	446 (355, 570)	21.65 (17.17, 27.39)	1486 (1055, 1842)	40.52 (28.43, 50.61)	2.08 (1.95, 2.21)	<0.001
Niue	0 (0, 0)	19.16 (13.74, 26.12)	0 (0, 0)	20.36 (14.53, 27.75)	0.2 (0.16, 0.24)	<0.001
North Macedonia	9 (8, 11)	10.46 (8.44, 12.85)	19 (15, 23)	11.1 (8.67, 13.71)	0.12 (-0.22, 0.46)	0.489
Northern Mariana Islands	0 (0, 0)	12.27 (8.81, 16.75)	0 (0, 1)	23.37 (16.28, 32.26)	2.04 (1.35, 2.74)	<0.001
Norway	101 (93, 106)	20.36 (18.48, 21.82)	194 (171, 208)	27.05 (23.67, 29.59)	1.09 (0.71, 1.48)	<0.001
Oman	4 (3, 6)	15.35 (10.6, 21.35)	10 (7, 12)	14.68 (10.28, 19.9)	-0.08 (-1.08, 0.94)	0.882
Pakistan	1317 (1056, 1585)	47.4 (36.31, 59.46)	2471 (1987, 3112)	50.2 (38.49, 65.4)	0.2 (0.1, 0.32)	<0.001

Palau	0 (0, 0)	29.62 (21.1, 41.61)	0 (0, 0)	27.69 (19.7, 37.51)	-0.25 (-0.35, -0.14)	<0.001
Palestine	6 (4, 8)	14.26 (9.8, 19.46)	9 (7, 12)	9.49 (7.07, 12.52)	-1.38 (-1.65, -1.11)	<0.001
Panama	16 (14, 17)	19.49 (16.67, 22.2)	34 (26, 41)	12.43 (9.36, 15.42)	-1.42 (-1.75, -1.09)	<0.001
Papua New Guinea	9 (6, 13)	16.05 (10.35, 24.82)	23 (15, 33)	14.07 (9.23, 21.45)	-0.41 (-0.52, -0.31)	<0.001
Paraguay	30 (25, 37)	25.91 (19.55, 34.12)	97 (73, 126)	31.89 (22.09, 44.63)	0.98 (0.69, 1.26)	<0.001
Peru	111 (92, 133)	18.27 (13.83, 23.82)	273 (211, 354)	14.03 (9.88, 19.58)	-0.77 (-1.94, 0.4)	0.195
Philippines	127 (111, 146)	10.6 (9.16, 12.5)	351 (297, 411)	9.84 (8.24, 11.8)	-0.08 (-0.29, 0.13)	0.468
Poland	625 (588, 654)	25.47 (23.71, 26.92)	949 (851, 1032)	20.07 (17.78, 22.01)	-0.68 (-1.23, -0.14)	0.015
Portugal	320 (292, 348)	38.45 (32.9, 44.81)	372 (317, 417)	19.48 (15.65, 23.62)	-2.08 (-2.25, -1.91)	<0.001
Puerto Rico	119 (109, 130)	54.2 (46.37, 63.43)	102 (84, 121)	18.79 (14.69, 23.32)	-3.6 (-4.31, -2.87)	<0.001
Qatar	1 (1, 2)	59.81 (43.1, 81.9)	5 (4, 7)	30.41 (21.12, 42.94)	-2.18 (-3.55, -0.8)	0.002
Republic of Korea	500 (393, 622)	39.67 (29.78, 51.05)	1249 (964, 1589)	22.09 (16.09, 29.62)	-1.89 (-2.03, -1.74)	<0.001
Republic of Moldova	33 (31, 36)	16.06 (14.07, 18.21)	34 (30, 38)	9.81 (8.29, 11.49)	-1.77 (-2.33, -1.2)	<0.001
Romania	128 (118, 138)	9.19 (7.87, 10.68)	301 (264, 338)	11.94 (9.64, 14.25)	0.97 (0.4, 1.54)	0.001
Russian Federation	3101 (2966, 3198)	32 (30.24, 33.31)	2689 (2458, 2900)	18.86 (17.06, 20.48)	-1.65 (-2.23, -1.06)	<0.001
Rwanda	152 (103, 196)	140.28 (93.58, 192.67)	229 (169, 305)	97.73 (66.5, 139.18)	-1.16 (-1.27, -1.05)	<0.001
Saint Kitts and Nevis	1 (1, 1)	37.56 (32.93, 42.48)	1 (1, 1)	32.11 (26.14, 38.9)	-0.4 (-1.3, 0.52)	0.395
Saint Lucia	2 (2, 2)	44.09 (38.8, 50.12)	5 (4, 6)	33.73 (26.93, 41.45)	-0.81 (-1.69, 0.07)	0.073
Saint Vincent and the Grenadines	1 (1, 1)	19.7 (16.97, 22.54)	2 (1, 2)	19.53 (16.14, 23.12)	-0.09 (-0.61, 0.43)	0.729
Samoa	0 (0, 0)	10.35 (7.22, 15.31)	1 (0, 1)	8.7 (5.91, 12.73)	-0.56 (-0.63, -0.49)	<0.001
San Marino	0 (0, 0)	12.99 (9.33, 17.72)	0 (0, 1)	6.99 (4.39, 10.38)	-2.36 (-2.62, -2.08)	<0.001
Sao Tome and Principe	1 (0, 1)	18.65 (13.66, 25.14)	2 (1, 2)	38.88 (25.91, 53.4)	2.4 (2.23, 2.57)	<0.001
Saudi Arabia	48 (36, 64)	19.81 (13.78, 27.8)	81 (64, 100)	16.68 (12.28, 22.17)	-0.54 (-0.68, -0.4)	<0.001
Senegal	36 (28, 44)	24.03 (17.46, 31.98)	153 (111, 196)	43.83 (29.51, 60.77)	2 (1.88, 2.12)	<0.001
Serbia	79 (61, 102)	17.4 (13.07, 23.03)	151 (115, 197)	13.95 (10.27, 18.54)	-0.63 (-0.99, -0.27)	0.001
Seychelles	1 (1, 1)	32.65 (24.58, 42.2)	2 (2, 2)	34 (24.77, 44.85)	-0.03 (-0.45, 0.4)	0.906
Sierra Leone	24 (19, 31)	22.58 (16.64, 30.64)	67 (47, 88)	39.61 (26.2, 55.66)	1.86 (1.67, 2.06)	<0.001
Singapore	37 (34, 40)	34.82 (29.46, 40.82)	79 (68, 88)	16.43 (13.25, 19.7)	-2.49 (-4.43, -0.51)	0.014
Slovakia	65 (54, 78)	19.29 (14.89, 24.89)	103 (83, 130)	17.13 (12.59, 22.64)	-0.39 (-0.78, 0)	0.051
Slovenia	29 (26, 31)	19.84 (16.94, 23.28)	49 (42, 56)	15.77 (12.69, 19.23)	-0.77 (-1.22, -0.32)	0.001
Solomon Islands	1 (1, 1)	21.76 (15.35, 30.74)	2 (2, 3)	18.74 (12.52, 27.23)	-0.48 (-0.61, -0.35)	<0.001
Somalia	93 (66, 119)	133.18 (88.02, 185.25)	204 (143, 271)	110.9 (72.17, 159.69)	-0.57 (-0.64, -0.51)	<0.001
South Africa	739 (635, 938)	74.54 (61.98, 96.52)	1685 (1511, 1877)	79.11 (68.32, 90.77)	0.22 (-0.25, 0.69)	0.367
South Sudan	158 (117, 214)	127.34 (86.94, 180.64)	157 (117, 208)	115.28 (80.06, 163.73)	-0.32 (-0.4, -0.24)	<0.001
Spain	932 (850, 1002)	26.99 (22.8, 31.24)	1229 (1065, 1365)	17.03 (13.68, 20.39)	-1.41 (-1.81, -1)	<0.001
Sri Lanka	232 (191, 282)	48.88 (36.48, 65.22)	492 (329, 660)	33.2 (21.14, 47.69)	-1.16 (-1.64, -0.67)	<0.001
Sudan	176 (114, 243)	38.4 (23.64, 57.18)	329 (229, 435)	39.19 (25.24, 55.63)	0.07 (0, 0.13)	0.043
Suriname	2 (1, 2)	13.8 (10.7, 17.74)	4 (3, 5)	11.16 (7.5, 15.66)	-0.39 (-1.21, 0.43)	0.348
Sweden	268 (242, 289)	24.11 (20.5, 27.61)	421 (361, 474)	25.1 (20.33, 29.91)	0.13 (-0.66, 0.93)	0.748
Switzerland	230 (207, 250)	31.97 (27.2, 36.91)	341 (284, 379)	25.23 (20.26, 29.91)	-0.7 (-1.15, -0.25)	0.002
Syrian Arab Republic	17 (14, 21)	7.71 (5.93, 9.99)	46 (36, 59)	8.89 (6.6, 11.84)	0.41 (0.1, 0.72)	0.011
Taiwan (Province of China)	435 (395, 477)	60.78 (52.08, 70.06)	895 (786, 993)	34.62 (28.96, 40.51)	-1.83 (-2.58, -1.08)	<0.001
Tajikistan	127 (103, 155)	97.21 (75.48, 125 (92, 161)	125 (92, 161)	63.8 (45.01, 85)	-1.4 (-1.86, -0.93)	<0.001

124.06)						
Thailand	519 (395, 687)	34.3 (23.81, 48.26)	1650 (1215, 2164)	26.27 (17.82, 36.63)	-0.84 (-1.14, -0.55)	<0.001
Timor-Leste	2 (1, 2)	19.86 (13.46, 27.73)	8 (6, 10)	17.56 (12.23, 24.33)	-0.43 (-0.56, -0.3)	<0.001
Togo	12 (10, 15)	23.94 (17.83, 32.16)	65 (43, 87)	45.82 (29.2, 65.38)	2.12 (1.99, 2.25)	<0.001
Tokelau	0 (0, 0)	19.2 (12.4, 27.52)	0 (0, 0)	15.93 (10.85, 22.28)	-0.58 (-0.67, -0.5)	<0.001
Tonga	0 (0, 1)	17.95 (12.36, 25.99)	1 (1, 1)	17.59 (12.16, 24.97)	-0.07 (-0.42, 0.28)	0.684
Trinidad and Tobago	9 (8, 9)	19.38 (16.94, 22.05)	16 (13, 20)	14.58 (10.94, 18.82)	-0.7 (-1.07, -0.33)	<0.001
Tunisia	14 (12, 18)	6.26 (4.56, 8.38)	42 (30, 56)	6.05 (4.01, 8.73)	-0.22 (-0.33, -0.1)	<0.001
Turkey	304 (251, 367)	20.33 (14.89, 26.91)	735 (564, 916)	14.77 (10.38, 19.77)	-3.65 (-4.54, -2.76)	<0.001
Turkmenistan	197 (179, 214)	232.4 (206.83, 257.91)	108 (85, 136)	69.01 (53.74, 87.13)	-0.54 (-0.58, -0.49)	<0.001
Tuvalu	0 (0, 0)	20.26 (14.35, 28.04)	0 (0, 0)	17.13 (12.09, 23.68)	-1 (-1.47, -0.54)	<0.001
Uganda	326 (258, 408)	114.68 (82.72, 153.8)	698 (546, 913)	119.39 (84.39, 164.32)	0.14 (0.04, 0.24)	0.006
Ukraine	625 (575, 678)	15.41 (13.27, 17.75)	407 (301, 543)	8.4 (5.94, 11.47)	-1.92 (-2.95, -0.87)	<0.001
United Arab Emirates	3 (2, 3)	21 (14.82, 29.37)	13 (10, 17)	30.01 (21.55, 40.58)	1.13 (-2.52, 4.91)	0.549
United Kingdom	4019 (3759, 4156)	63.72 (59.22, 66.35)	6698 (5958, 7077)	69.38 (61.89, 73.55)	0.26 (0.09, 0.43)	0.002
United Republic of Tanzania	570 (434, 730)	121.43 (86.03, 165.83)	1027 (752, 1379)	94.96 (66.19, 134.67)	-0.77 (-0.86, -0.68)	<0.001
United States of America	5473 (5018, 5699)	25.69 (23.5, 26.96)	11476 (10289, 12137)	29.47 (26.21, 31.36)	0.44 (0.13, 0.75)	0.005
United States Virgin Islands	1 (1, 1)	27.87 (20.59, 36.23)	2 (2, 3)	18.76 (13.11, 25.98)	-1.28 (-1.71, -0.85)	<0.001
Uruguay	188 (170, 203)	76.68 (65.16, 89.18)	208 (185, 228)	52.09 (43.13, 61.65)	-1.33 (-1.95, -0.7)	<0.001
Uzbekistan	589 (518, 670)	104.03 (85.16, 124.55)	310 (259, 366)	32.29 (25.59, 39.8)	-3.87 (-4.82, -2.9)	<0.001
Vanuatu	0 (0, 1)	20.12 (13.66, 28.63)	1 (1, 1)	18.36 (12.83, 25.64)	-0.29 (-0.37, -0.21)	<0.001
Venezuela (Bolivarian Republic of)	115 (106, 122)	24.48 (21.18, 27.62)	246 (187, 320)	15.5 (11.35, 20.6)	-1.39 (-2, -0.77)	<0.001
Viet Nam	289 (227, 360)	14.15 (9.99, 19.49)	649 (520, 795)	14.49 (10.22, 19.9)	0.1 (0.01, 0.19)	0.026
Yemen	76 (41, 113)	39.9 (20.56, 64.1)	202 (111, 287)	35.07 (18.97, 52.53)	-0.42 (-0.48, -0.35)	<0.001
Zambia	160 (127, 199)	139.66 (99.7, 191.91)	323 (227, 455)	123.98 (82.93, 187.56)	-0.37 (-0.49, -0.26)	<0.001
Zimbabwe	183 (145, 222)	104.62 (76.89, 136.51)	332 (263, 405)	127.46 (93.49, 169.64)	0.68 (0.48, 0.88)	<0.001

Notes: ASMR rates are reported per 100,000 population.

Abbreviations: ASMR, age-standardized mortality rate; EOEC, early-onset esophageal cancer; MOEC, middle-onset esophageal cancer; LOEC, late-onset esophageal cancer; AAPC, average annual percentage change; UI, uncertainty interval; CI, confidence interval.

Supplementary Table S6. DALYs number and ASDR of EOEC, MOEC and LOEC in 1990 and 2021, and AAPC from 1990 to 2021 among 204 countries and territories.

Country/Territory	Cases (95%UI), 1990	ASDR (95% UI), 1990	Cases (95%UI), 2021	ASDR (95% UI), 2021	AAPC (95% CI), 1990-2021	P value
EOEC						
Afghanistan	3250 (1256, 5114)	98.28 (35.69, 168.32)	7710 (3332, 12489)	69.6 (29.01, 120.53)	-1.04 (-1.15, -0.93)	<0.001
Albania	180 (138, 236)	13.99 (10.4, 18.67)	146 (97, 213)	11.45 (7.52, 16.94)	-0.81 (-1.84, 0.22)	0.123
Algeria	406 (309, 512)	5.43 (3.81, 7.47)	987 (733, 1304)	4.33 (2.89, 6.11)	-0.7 (-0.82, -0.59)	<0.001
American Samoa	2 (1, 3)	10.58 (6.72, 16.38)	4 (2, 5)	14.63 (8.7, 22.26)	1.08 (0.31, 1.86)	0.006
Andorra	4 (3, 7)	14.94 (9.05, 24.06)	5 (3, 8)	8.36 (4.7, 13.75)	-2.04 (-2.52, -1.56)	<0.001
Angola	3142 (1897, 4456)	97.86 (56.98, 148.07)	6140 (3906, 8724)	58.67 (34.34, 90.53)	-1.66 (-2.27, -1.04)	<0.001
Antigua and Barbuda	5 (5, 6)	22.64 (19.71, 25.92)	7 (6, 8)	13.85 (11.78, 16.04)	-0.67 (-1.21, -0.13)	0.015
Argentina	6748 (6070, 7607)	45.61 (38.21, 54.56)	4615 (4097, 5222)	19.29 (15.68, 23.62)	-2.65 (-3.13, -2.16)	<0.001
Armenia	239 (225, 252)	19.03 (17.79, 20.22)	68 (59, 77)	4.42 (3.87, 5.02)	-4.44 (-5.78, -3.08)	<0.001
Australia	1665 (1504, 1851)	19.05 (15.93, 22.57)	2687 (2334, 3076)	19.98 (16.23, 24.74)	0.14 (-0.33, 0.6)	0.568
Austria	1033 (891, 1171)	24.78 (19.97, 30.71)	604 (529, 697)	12.48 (9.88, 15.57)	-2.1 (-2.52, -1.68)	<0.001
Azerbaijan	1744 (1481, 2053)	72.22 (59.5, 86.91)	1650 (1244, 2090)	29.75 (22.24, 38.13)	-2.72 (-3.1, -2.35)	<0.001
Bahamas	64 (57, 71)	61.72 (52.39, 72.15)	128 (97, 164)	58.3 (43.84, 77.3)	-0.04 (-1.34, 1.28)	0.956
Bahrain	34 (27, 41)	15.68 (11.1, 21.98)	93 (71, 124)	8.54 (5.67, 12.72)	-1.84 (-2.15, -1.54)	<0.001
Bangladesh	17329 (12753, 23535)	51.05 (33.85, 75.46)	22945 (15192, 35215)	28.95 (17.33, 47.31)	-1.75 (-2.01, -1.49)	<0.001
Barbados	52 (48, 58)	48.63 (41.97, 56.11)	60 (45, 79)	36.54 (26.84, 48.66)	-0.61 (-1.49, 0.27)	0.175
Belarus	1330 (1154, 1531)	29.85 (24.08, 36.64)	1311 (992, 1695)	24.67 (17.91, 33.03)	-0.57 (-1.75, 0.62)	0.349
Belgium	1885 (1671, 2108)	38.71 (31.75, 46.33)	1391 (1214, 1586)	23.53 (18.82, 28.97)	-1.71 (-2.22, -1.21)	<0.001
Belize	8 (7, 8)	14.55 (12.73, 16.49)	40 (34, 47)	20.21 (16.59, 24.22)	1.15 (0.37, 1.93)	0.004
Benin	284 (216, 360)	21.7 (14.78, 30.53)	1474 (998, 2078)	34.57 (20.53, 52.78)	1.51 (1.38, 1.65)	<0.001
Bermuda	16 (13, 19)	48.32 (37.63, 61.23)	10 (8, 13)	27.65 (19.89, 37.56)	-1.79 (-2.08, -1.51)	<0.001
Bhutan	96 (66, 134)	49.92 (32.12, 74.16)	115 (78, 174)	30.08 (18.45, 46.95)	-1.62 (-1.77, -1.48)	<0.001
Bolivia (Plurinational State of)	430 (320, 552)	18.98 (12.84, 27.61)	649 (433, 930)	11.64 (7.16, 17.94)	-1.56 (-1.72, -1.41)	<0.001
Bosnia and Herzegovina	431 (376, 502)	20.98 (17.17, 25.87)	281 (189, 371)	15.06 (9.86, 20.4)	-1.14 (-1.91, -0.37)	0.004
Botswana	406 (264, 617)	108.52 (63.88, 175.19)	767 (533, 1069)	64.12 (39.25, 96.29)	-1.69 (-2.25, -1.14)	<0.001
Brazil	38689 (37133, 40334)	66.88 (62.65, 71.42)	55988 (52896, 58987)	45.98 (42.53, 49.51)	-1.2 (-1.6, -0.79)	<0.001
Brunei Darussalam	14 (11, 17)	13.5 (9.36, 18.89)	30 (24, 38)	11.13 (7.88, 15.61)	-0.55 (-1.01, -0.1)	0.018
Bulgaria	1293 (1182, 1417)	28.24 (24.96, 31.83)	931 (766, 1109)	22.85 (18.52, 27.62)	-0.62 (-1.13, -0.12)	0.015

Burkina Faso	596 (412, 819)	22.01 (14.42, 31.73)	2622 (1642, 3855)	37.5 (22, 58.44)	1.74 (1.52, 1.96)	<0.00 1
Burundi	2601 (1745, 3599)	167.76 (101.74, 254.6)	3402 (2373, 4763)	80.32 (51.17, 122.52)	-2.39 (-2.62, -2.15)	<0.00 1
Cabo Verde	63 (50, 78)	73.72 (50.88, 105.21)	305 (216, 432)	116.42 (71.42, 180.33)	1.5 (0.95, 2.05)	<0.00 1
Cambodia	1427 (1012, 1856)	43.5 (28.16, 61.63)	1986 (1392, 2867)	25.89 (16.53, 39.34)	-1.65 (-1.74, -1.56)	<0.00 1
Cameroon	806 (573, 1091)	26.09 (17.02, 38.21)	5294 (3230, 8236)	49.45 (27.7, 81.73)	2.09 (1.99, 2.2)	<0.00 1
Canada	2589 (2355, 2848)	17.86 (15.15, 21.07)	4071 (3640, 4587)	21.58 (17.41, 26.61)	0.63 (0, 1.27)	0.051
Central African Republic	1068 (647, 1461)	126.25 (70.34, 190.97)	1858 (1087, 2802)	93.59 (52.8, 149.16)	-0.96 (-1.09, -0.83)	<0.00 1
Chad	290 (219, 375)	17.2 (11.69, 24.43)	1749 (1193, 2457)	36.65 (22.55, 57.2)	2.54 (2.27, 2.81)	<0.00 1
Chile	2092 (1893, 2284)	35.91 (29.99, 42.67)	1339 (1206, 1492)	13.55 (11.18, 16.49)	-3.23 (-3.86, -2.6)	<0.00 1
China	1064843 (883199, 1262306)	210.96 (173.53, 253.71)	605781 (467322, 767303)	73.92 (56.84, 94.78)	-3.4 (-3.75, -3.06)	<0.00 1
Colombia	3602 (3327, 3898)	27.55 (23.2, 32.44)	2850 (2291, 3481)	11.47 (8.63, 14.9)	-2.86 (-3.24, -2.48)	<0.00 1
Comoros	195 (112, 270)	141.32 (78.14, 213.01)	317 (225, 449)	93.91 (60.9, 141.7)	-1.23 (-1.89, -0.58)	<0.00 1
Congo	1029 (666, 1453)	149.5 (89.59, 233.62)	2000 (1226, 3080)	82.2 (48.21, 134.68)	-1.89 (-2.35, -1.43)	<0.00 1
Cook Islands	2 (1, 2)	20.92 (12.75, 32.65)	2 (1, 2)	18.86 (11.14, 30.24)	-0.33 (-0.74, 0.08)	0.11
Costa Rica	166 (149, 185)	14.89 (12.26, 17.95)	261 (220, 302)	10.62 (8.29, 13.43)	-1.24 (-1.73, -0.74)	<0.00 1
Côte d'Ivoire	322 (237, 427)	9 (6.02, 12.94)	970 (656, 1432)	9.43 (5.68, 14.71)	-2.06 (-3.7, -0.39)	0.016
Croatia	913 (767, 1064)	36.45 (29.24, 44.55)	442 (346, 564)	19.22 (14.65, 25.16)	1.07 (-0.05, 2.2)	0.062
Cuba	1403 (1277, 1558)	27.12 (22.84, 32.41)	2348 (1864, 2921)	36.47 (27.47, 48.06)	0.81 (0.14, 1.49)	0.018
Cyprus	20 (15, 25)	5.17 (3.53, 7.27)	53 (40, 72)	6.57 (4.37, 9.66)	-1.68 (-2.38, -0.98)	<0.00 1
Czechia	1843 (1626, 2099)	31.89 (26.38, 38.24)	1324 (1074, 1593)	19.24 (14.75, 24.52)	0.17 (-0.09, 0.43)	0.206
Democratic People's Republic of Korea	9291 (6195, 13996)	94.25 (56.38, 157)	12437 (7947, 18491)	81.72 (46.13, 133.72)	-0.45 (-0.56, -0.33)	<0.00 1
Democratic Republic of the Congo	8129 (5282, 11621)	74.92 (45.18, 115.86)	17154 (11205, 24796)	56.33 (33.45, 86.93)	-0.91 (-1.11, -0.71)	<0.00 1
Denmark	997 (892, 1116)	33.7 (28.02, 40.32)	631 (548, 717)	20.93 (16.85, 25.73)	-1.34 (-2.76, 0.09)	0.066
Djibouti	157 (97, 238)	116.67 (68.04, 183.66)	520 (312, 817)	85.66 (50.27, 138.25)	-1.02 (-1.19, -0.85)	<0.00 1
Dominica	8 (6, 10)	31.26 (22.65, 42.19)	12 (8, 17)	35.99 (23.98, 54.16)	0.44 (0.29, 0.6)	<0.00 1
Dominican Republic	460 (345, 598)	18.6 (13.37, 24.92)	1208 (821, 1717)	22.48 (14.73, 32.69)	0.65 (-0.34, 1.66)	0.2
Ecuador	536 (481, 592)	14.42 (11.91, 17.28)	675 (521, 854)	7.76 (5.52, 10.35)	-1.95 (-3.16, -0.73)	0.002
Egypt	2451 (1981, 3031)	11.7 (8.55, 15.77)	2968 (2126, 3952)	6.32 (4.26, 9)	-1.97 (-2.44, -1.49)	<0.00 1
El Salvador	327 (290, 367)	17.85 (14.55, 21.71)	457 (358, 579)	15.52 (11.28, 20.7)	-0.5 (-1.47, 0.48)	0.316
Equatorial Guinea	150 (94, 218)	115.81 (67.5, 182.14)	325 (199, 515)	64.57 (34.84, 108.36)	-1.75 (-2.09, -1.4)	<0.00 1
Eritrea	2071 (1229, 2924)	196.65 (113.6, 296.56)	3160 (1963, 4851)	121.84 (70.26, 198.79)	-1.57 (-1.8, -1.33)	<0.00 1

Estonia	239 (208, 271)	31.05 (24.87, 37.78)	96 (77, 118)	13.31 (9.91, 17.13)	-2.6 (-3.36, -1.85)	<0.00 1
Eswatini	318 (223, 441)	140.67 (87.12, 206)	805 (460, 1223)	182.83 (100.91, 289.92)	0.87 (0.5, 1.25)	<0.00 1
Ethiopia	11223 (7093, 14785)	75.48 (46.89, 103.47)	12581 (9704, 17077)	33.74 (25.1, 46.33)	-2.56 (-2.68, -2.44)	<0.00 1
Fiji	60 (45, 78)	19.16 (12.33, 28.16)	88 (60, 123)	19.58 (11.73, 31.22)	0.04 (-0.23, 0.3)	0.777
Finland	785 (732, 850)	26.83 (23.91, 30.28)	416 (384, 452)	15.67 (13.75, 17.75)	-1.55 (-2.16, -0.94)	<0.00 1
France	21964 (19412, 24506)	79.15 (65.44, 94.4)	6884 (5953, 7989)	20.81 (16.48, 26.1)	-4.17 (-4.86, -3.48)	<0.00 1
Gabon	302 (206, 425)	105.3 (67.15, 158.49)	561 (346, 845)	76.55 (43.19, 123.35)	-0.94 (-1.28, -0.6)	<0.00 1
Gambia	29 (20, 40)	10.55 (6.73, 15.64)	109 (76, 155)	13.82 (8.73, 20.82)	0.92 (-0.36, 2.2)	0.16
Georgia	411 (368, 462)	17.3 (15.39, 19.59)	124 (107, 142)	6.65 (5.72, 7.73)	-2.83 (-5.05, -0.56)	0.015
Germany	17165 (14997, 19486)	41.11 (33.8, 49.22)	8678 (7646, 9870)	21.19 (17.11, 26.26)	-2.15 (-3.18, -1.11)	<0.00 1
Ghana	982 (688, 1322)	20.22 (12.86, 29.57)	3364 (2226, 4681)	24.54 (15.01, 36.63)	0.62 (0.43, 0.82)	<0.00 1
Greece	597 (557, 647)	11.58 (10.24, 13.1)	723 (653, 797)	12.29 (10.74, 14.05)	0.25 (-0.44, 0.94)	0.478
Greenland	40 (29, 53)	134.62 (93.96, 190.01)	17 (12, 24)	67.82 (43.78, 98.43)	-2.13 (-2.29, -1.98)	<0.00 1
Grenada	15 (13, 18)	59.16 (46.55, 74.16)	19 (15, 24)	35.98 (26.53, 47.79)	-1.87 (-3.43, -0.28)	0.021
Guam	10 (8, 12)	16.08 (12.22, 20.92)	20 (16, 23)	26.08 (19.28, 34.19)	1.48 (0.4, 2.57)	0.007
Guatemala	646 (612, 679)	24.49 (22.1, 26.88)	889 (749, 1032)	13.04 (10.64, 15.61)	-1.95 (-2.98, -0.91)	<0.00 1
Guinea	161 (120, 215)	8.38 (5.57, 11.9)	391 (264, 575)	9.46 (5.84, 14.68)	0.39 (0.2, 0.57)	<0.00 1
Guinea-Bissau	112 (77, 152)	39.38 (25.1, 59.23)	408 (278, 581)	61.26 (37.26, 94.16)	1.48 (1.31, 1.66)	<0.00 1
Guyana	48 (40, 56)	17.94 (14.27, 22.49)	80 (57, 109)	22.38 (15.23, 31.84)	0.72 (0.03, 1.42)	0.042
Haiti	992 (640, 1340)	46.26 (27.87, 68.58)	1868 (1219, 2762)	33.11 (19.96, 50.94)	-1.01 (-1.12, -0.89)	<0.00 1
Honduras	132 (106, 163)	9.04 (6.47, 12.34)	285 (179, 428)	6.72 (3.92, 10.68)	-0.97 (-1.16, -0.78)	<0.00 1
Hungary	3980 (3425, 4593)	70.62 (57.89, 86.08)	1232 (1011, 1480)	20.11 (15.81, 25.22)	-4.09 (-4.77, -3.4)	<0.00 1
Iceland	31 (28, 35)	26.9 (22.23, 32.07)	53 (45, 61)	29.2 (22.97, 36.57)	0.36 (0.02, 0.71)	0.037
India	139985 (123123, 169546)	41.41 (35.85, 50.7)	223736 (195024, 263463)	31.86 (27.49, 38.01)	-0.82 (-0.98, -0.65)	<0.00 1
Indonesia	14572 (10479, 17578)	19.82 (14.23, 24.47)	20754 (15991, 26812)	13.22 (9.94, 17.53)	-1.28 (-1.36, -1.2)	<0.00 1
Iran (Islamic Republic of)	6641 (5334, 7526)	38.22 (31.05, 43.91)	11920 (10741, 13250)	23.13 (20.42, 26.15)	-1.61 (-1.8, -1.43)	<0.00 1
Iraq	618 (459, 812)	11.29 (7.6, 16)	1558 (1101, 2246)	8.09 (5.32, 12.26)	-1.11 (-1.37, -0.84)	<0.00 1
Ireland	676 (599, 753)	41.64 (34.41, 50.38)	786 (675, 917)	27.52 (21.95, 34.28)	-1.26 (-2.24, -0.27)	0.013
Israel	216 (193, 242)	10.61 (8.74, 12.82)	364 (318, 415)	7.81 (6.24, 9.61)	-0.94 (-1.5, -0.39)	0.001
Italy	7603 (7292, 7926)	26.11 (24.4, 28.01)	3329 (3166, 3497)	9.8 (9.14, 10.5)	-3.26 (-3.8, -2.71)	<0.00 1
Jamaica	130 (115, 148)	16.92 (13.86, 20.55)	297 (206, 401)	21.23 (14.06, 30.19)	1.71 (-0.38, 3.83)	0.109
Japan	17632 (17168, 18113)	22.93 (22.1, 23.78)	8534 (8287, 8790)	11.7 (11.29, 12.14)	-2.27 (-2.54, -1.99)	<0.00 1
Jordan	90 (68, 115)	8.35 (5.74, 11.41)	334 (238, 459)	5.55 (3.61, 8.15)	-1.3 (-1.77, -0.83)	<0.00

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Kazakhstan	8725 (8070, 9464)	137.67 (125.66, 150.28)	2909 (2557, 3272)	29.94 (26.04, 33.81)	-4.91 (-5.3, -4.52)	<0.00 1
Kenya	3976 (2959, 5637)	64.02 (46.26, 92.05)	14754 (10720, 21168)	77.85 (56.31, 110.8)	0.64 (0.43, 0.84)	<0.00 1
Kiribati	18 (13, 24)	64.14 (39.25, 97.24)	34 (22, 47)	62.9 (36.11, 101.29)	-0.05 (-0.14, 0.03)	0.217
Kuwait	75 (67, 84)	10.08 (8.31, 12.13)	170 (135, 211)	4.67 (3.46, 6.22)	-2.37 (-3.73, -1)	0.001
Kyrgyzstan	1102 (928, 1308)	79.27 (64.82, 95.49)	537 (401, 686)	17.56 (12.99, 22.58)	-4.72 (-5.39, -4.03)	<0.00 1
Lao People's Democratic Republic	660 (431, 925)	48.27 (29.05, 73.51)	786 (532, 1142)	22.92 (14.23, 35.81)	-2.38 (-2.46, -2.31)	<0.00 1
Latvia	422 (367, 486)	31.06 (24.84, 38.39)	194 (158, 233)	18.97 (14.34, 24.6)	-1.51 (-3.05, 0.06)	0.059
Lebanon	107 (77, 147)	8.97 (5.97, 13.27)	145 (107, 188)	5.01 (3.32, 7.17)	-1.81 (-2.14, -1.49)	<0.00 1
Lesotho	381 (274, 516)	76.21 (49.68, 111.47)	1102 (731, 1533)	157.8 (94.64, 238.55)	2.41 (2.08, 2.75)	<0.00 1
Liberia	149 (108, 195)	20.79 (13.68, 30.16)	961 (618, 1444)	42.38 (24.44, 68.4)	2.37 (2.04, 2.7)	<0.00 1
Libya	136 (92, 198)	10.5 (6.5, 16.13)	574 (376, 831)	12.92 (8.03, 19.7)	0.66 (0.51, 0.81)	<0.00 1
Lithuania	611 (533, 700)	34.08 (27.74, 41.53)	383 (315, 476)	26.36 (20.4, 34.29)	-0.76 (-2.49, 1)	0.397
Luxembourg	88 (80, 97)	42.74 (37.04, 49.44)	64 (55, 73)	16.53 (13.9, 19.66)	-3.16 (-3.64, -2.69)	<0.00 1
Madagascar	4438 (3141, 5832)	128.68 (84.45, 187.07)	8991 (5785, 12824)	87.43 (53.13, 136.32)	-1.23 (-1.38, -1.09)	<0.00 1
Malawi	5891 (4466, 7526)	205.65 (145.04, 283.33)	14978 (10565, 21045)	236.52 (158.03, 348.2)	0.46 (0.25, 0.67)	<0.00 1
Malaysia	1092 (893, 1331)	16.5 (11.72, 22.37)	2822 (2236, 3537)	17.9 (12.46, 25.2)	0.4 (-0.13, 0.93)	0.137
Maldives	20 (12, 27)	31.6 (17.97, 46.36)	29 (21, 39)	8.59 (5.53, 12.64)	-4.21 (-4.43, -3.99)	<0.00 1
Mali	465 (353, 583)	17.65 (12.08, 24.15)	1140 (803, 1595)	16.85 (10.73, 25.35)	-0.11 (-0.35, 0.13)	0.362
Malta	32 (28, 36)	15.59 (12.58, 19.11)	39 (33, 45)	16.09 (12.55, 20.3)	0.28 (0.06, 0.49)	0.015
Marshall Islands	3 (2, 5)	24.82 (14.78, 38.85)	7 (5, 10)	26.35 (15.61, 41.76)	0.24 (0.11, 0.37)	<0.00 1
Mauritania	144 (103, 192)	23.64 (14.91, 34.42)	443 (291, 658)	30.23 (17.82, 48.61)	0.8 (0.5, 1.1)	<0.00 1
Mauritius	155 (145, 166)	32.81 (29.27, 36.5)	270 (240, 295)	38.27 (32.67, 43.79)	0.89 (-0.9, 2.71)	0.333
Mexico	5217 (5130, 5310)	16.79 (16.31, 17.32)	8685 (7608, 9813)	12.78 (11.19, 14.54)	-0.82 (-1.06, -0.59)	<0.00 1
Micronesia (Federated States of)	11 (8, 16)	33.87 (20.94, 52.04)	13 (9, 20)	28.8 (17.08, 46.48)	-0.52 (-0.57, -0.48)	<0.00 1
Monaco	6 (5, 8)	35.54 (24.47, 50.98)	8 (5, 11)	42.8 (25.68, 64.19)	0.6 (0.48, 0.72)	<0.00 1
Mongolia	1117 (823, 1443)	166 (117.51, 229.3)	1664 (1184, 2221)	96.13 (68.13, 129.28)	-1.87 (-2.79, -0.95)	<0.00 1
Montenegro	60 (49, 73)	21.46 (16.96, 27.02)	62 (47, 79)	18.02 (13.53, 23.41)	-0.64 (-1.24, -0.03)	0.039
Morocco	553 (430, 709)	6.22 (4.28, 8.65)	950 (650, 1444)	4.99 (3.13, 7.95)	-0.71 (-0.83, -0.59)	<0.00 1
Mozambique	1366 (1009, 1820)	32.16 (21.55, 46.55)	4467 (2924, 6581)	48.2 (29.17, 75.81)	1.31 (1.11, 1.52)	<0.00 1
Myanmar	6791 (4488, 9157)	45.19 (27.53, 66.05)	5711 (3848, 8106)	20.43 (12.87, 31.39)	-2.55 (-2.67, -2.42)	<0.00 1

Namibia	86 (61, 119)	20.46 (13.27, 29.84)	222 (139, 350)	21.93 (12.95, 35.98)	0.31 (-0.03, 0.66)	0.074
Nauru	2 (1, 2)	41.4 (24.66, 64.71)	2 (1, 3)	37.52 (21.96, 60.1)	-0.31 (-0.38, -0.24)	<0.001
Nepal	3414 (2415, 4760)	50.15 (32.19, 74.88)	4793 (3207, 7033)	35.23 (22.01, 55.2)	-1.11 (-1.27, -0.96)	<0.001
Netherlands	2708 (2451, 2990)	33.62 (28.35, 39.5)	1901 (1665, 2171)	22.2 (18.1, 27.14)	-1.31 (-1.91, -0.71)	<0.001
New Zealand	303 (276, 337)	18.06 (15.26, 21.35)	345 (312, 380)	13.49 (11.3, 16)	-0.91 (-1.44, -0.38)	0.001
Nicaragua	93 (77, 110)	8.04 (5.9, 10.82)	180 (139, 232)	5.73 (3.95, 8.18)	-1.42 (-1.96, -0.88)	<0.001
Niger	442 (303, 590)	18.9 (12.22, 27.91)	1549 (1030, 2322)	24.73 (15.02, 39.54)	0.88 (0.54, 1.22)	<0.001
Nigeria	5424 (3837, 7805)	18.73 (13.13, 26.73)	21048 (13083, 30249)	27.86 (17.23, 40.07)	1.26 (1.05, 1.47)	<0.001
Niue	0 (0, 0)	19.98 (11.68, 32.11)	0 (0, 0)	18.85 (11.17, 30.74)	-0.2 (-0.49, 0.1)	0.192
North Macedonia	126 (105, 148)	13.17 (10.52, 16.4)	121 (86, 166)	9.12 (6.48, 12.52)	-1.31 (-2.16, -0.46)	0.003
Northern Mariana Islands	3 (2, 4)	11.13 (6.62, 18.13)	5 (4, 6)	17.54 (11.48, 26.38)	1.62 (0.68, 2.57)	0.001
Norway	304 (291, 318)	13.79 (12.86, 14.75)	328 (308, 347)	11.27 (10.33, 12.25)	-0.49 (-0.78, -0.19)	0.001
Oman	74 (52, 101)	10.36 (6.69, 15.64)	189 (136, 255)	6.7 (4.33, 10.07)	-1.48 (-1.73, -1.22)	<0.001
Pakistan	20263 (16506, 24585)	55.59 (42.96, 71.24)	54681 (42285, 73346)	55.95 (41.01, 77.31)	0.04 (-0.09, 0.17)	0.579
Palau	2 (1, 3)	27.64 (17.57, 43.52)	3 (2, 5)	30.75 (19.01, 47.17)	0.34 (0.04, 0.65)	0.028
Palestine	47 (33, 66)	8.51 (5.4, 12.94)	93 (72, 116)	4.51 (3.17, 6.26)	-2.11 (-2.45, -1.77)	<0.001
Panama	110 (103, 118)	11.54 (10.21, 12.95)	163 (127, 200)	7.83 (5.89, 9.93)	-1.43 (-1.96, -0.9)	<0.001
Papua New Guinea	246 (150, 372)	16.56 (9.19, 27.62)	578 (386, 847)	12.64 (7.7, 20.23)	-0.87 (-1.03, -0.71)	<0.001
Paraguay	347 (270, 451)	25.18 (17.6, 35.09)	943 (632, 1342)	28.88 (17.91, 43.52)	0.65 (0.29, 1)	<0.001
Peru	1009 (816, 1243)	12.47 (9.08, 16.75)	1379 (1004, 1899)	7.51 (4.82, 11.1)	-1.53 (-2.99, -0.06)	0.042
Philippines	4488 (3963, 5170)	18.93 (16.01, 22.14)	7839 (6535, 9333)	14.74 (12.11, 17.76)	-0.81 (-1.12, -0.5)	<0.001
Poland	6759 (6499, 6994)	38.46 (36.61, 40.4)	4898 (4393, 5359)	21.56 (19.32, 23.65)	-1.81 (-2.2, -1.43)	<0.001
Portugal	2071 (1839, 2326)	42.65 (35.01, 51.9)	1606 (1360, 1868)	25.34 (20.03, 31.61)	-1.59 (-1.97, -1.2)	<0.001
Puerto Rico	854 (759, 970)	49.58 (40.24, 60.74)	386 (304, 485)	23.01 (16.86, 30.93)	-2.34 (-3.24, -1.44)	<0.001
Qatar	43 (32, 55)	16.8 (11.35, 23.87)	206 (139, 296)	8.88 (5.48, 13.62)	-1.96 (-3.06, -0.85)	0.001
Republic of Korea	7186 (5634, 9326)	35.9 (26.54, 49.11)	2396 (1826, 3192)	7.36 (5.29, 10.14)	-5.04 (-5.49, -4.58)	<0.001
Republic of Moldova	416 (382, 452)	21.67 (19.07, 24.53)	236 (207, 269)	10.68 (9.03, 12.47)	-2.46 (-3.47, -1.43)	<0.001
Romania	2214 (1958, 2485)	20.48 (16.83, 24.8)	2686 (2197, 3329)	23.29 (17.81, 30.14)	0.53 (-0.54, 1.6)	0.332
Russian Federation	27867 (27016, 28686)	43.75 (42.05, 45.45)	23778 (21551, 25817)	28.38 (25.67, 30.92)	-1.39 (-2.5, -0.27)	0.015
Rwanda	3798 (2338, 5210)	196.9 (115.43, 290.07)	3985 (2600, 5782)	79.43 (48.96, 120.54)	-2.92 (-3.24, -2.61)	<0.001
Saint Kitts and Nevis	5 (5, 6)	42.57 (36.78, 49.06)	8 (6, 11)	22.86 (16.75, 30.48)	-1.87 (-2.99, -0.74)	0.001
Saint Lucia	22 (20, 24)	50.03 (43.35, 57.75)	42 (34, 52)	40.02 (31.12, 49.97)	-0.8 (-1.49, -0.1)	0.026

Saint Vincent and the Grenadines	8 (7, 9)	23.78 (20.4, 27.66)	16 (14, 19)	26.68 (21.88, 32.29)	0.32 (-0.01, 0.66)	0.06
Samoa	4 (3, 6)	8.07 (5.22, 12.29)	7 (5, 9)	8.11 (5.05, 12.32)	0.01 (-0.04, 0.06)	0.775
San Marino	1 (1, 2)	10.65 (6.77, 16.14)	1 (1, 2)	5.59 (2.71, 9.55)	-2.32 (-2.55, -2.1)	<0.001
Sao Tome and Principe	5 (3, 7)	15.94 (10.14, 23.99)	26 (17, 40)	29.29 (17.56, 47.91)	1.97 (1.79, 2.14)	<0.001
Saudi Arabia	793 (526, 1190)	13.77 (8.63, 21.03)	3388 (2229, 5118)	12.38 (7.83, 19.03)	-0.36 (-0.54, -0.18)	<0.001
Senegal	469 (342, 624)	21.95 (14.74, 31.73)	1858 (1336, 2665)	34.07 (21.2, 52.3)	1.46 (1.04, 1.87)	<0.001
Serbia	998 (692, 1463)	20.77 (13.97, 30.68)	725 (499, 1062)	14.33 (9.64, 20.89)	-1.05 (-1.37, -0.73)	<0.001
Seychelles	16 (13, 20)	61.98 (42.83, 87.75)	31 (24, 39)	49.65 (33.37, 72.04)	-0.67 (-1.25, -0.08)	0.026
Sierra Leone	242 (161, 333)	18.91 (11.8, 28.53)	1039 (681, 1541)	34.26 (20.62, 54.7)	1.95 (1.72, 2.19)	<0.001
Singapore	249 (223, 281)	15.34 (12.56, 18.86)	224 (194, 258)	5.83 (4.7, 7.14)	-3.06 (-3.62, -2.49)	<0.001
Slovakia	1335 (937, 1868)	53.36 (36.45, 76.24)	887 (587, 1332)	25.9 (16.74, 39.34)	-2.4 (-3.24, -1.55)	<0.001
Slovenia	325 (289, 370)	31.97 (26.06, 38.91)	181 (145, 222)	15.18 (11.36, 19.79)	-2.62 (-3.42, -1.81)	<0.001
Solomon Islands	28 (15, 41)	26.94 (13.28, 43.01)	79 (51, 115)	27.06 (15.92, 43.13)	-0.03 (-0.33, 0.27)	0.825
Somalia	4430 (2850, 6719)	178.85 (105.1, 291.33)	7856 (4904, 11748)	115.87 (69.43, 185.85)	-1.36 (-1.5, -1.23)	<0.001
South Africa	25166 (21954, 28563)	184.95 (157.1, 217.46)	26175 (23168, 30355)	91.5 (77.66, 108.32)	-2.28 (-2.89, -1.67)	<0.001
South Sudan	2196 (1479, 3155)	131.48 (80.33, 206)	3921 (2655, 5458)	113.92 (69.38, 171.7)	-0.42 (-0.65, -0.18)	<0.001
Spain	8295 (7379, 9367)	45.07 (36.89, 54.36)	4252 (3663, 4877)	15.09 (11.99, 18.61)	-3.51 (-4.06, -2.96)	<0.001
Sri Lanka	4135 (3206, 5133)	54.03 (37.94, 74.66)	3677 (2253, 5223)	31.91 (18.1, 48.66)	-1.66 (-2.69, -0.62)	0.002
Sudan	2933 (1552, 4182)	45.46 (22.55, 70.79)	5540 (2756, 8513)	32.92 (16.04, 54.48)	-1.03 (-1.1, -0.97)	<0.001
Suriname	22 (17, 27)	15.18 (10.55, 20.83)	45 (31, 62)	15.31 (9.94, 23.02)	0.3 (-1.15, 1.77)	0.687
Sweden	602 (550, 653)	12.35 (10.65, 14.3)	494 (426, 568)	9.58 (7.78, 11.78)	-0.89 (-1.88, 0.11)	0.08
Switzerland	1314 (1164, 1482)	33.24 (27.49, 40.08)	705 (609, 809)	14.54 (11.36, 18.04)	-3 (-4, -1.99)	<0.001
Syrian Arab Republic	306 (219, 399)	8.29 (5.64, 11.14)	430 (309, 598)	5.73 (3.98, 8.14)	-1.22 (-1.45, -0.98)	<0.001
Taiwan (Province of China)	7832 (7272, 8375)	89.81 (78.62, 101.31)	16577 (14935, 18296)	110.96 (95.64, 127.56)	0.45 (-0.06, 0.97)	0.086
Tajikistan	1400 (1091, 1753)	94.84 (71.93, 121.26)	1690 (1162, 2422)	39.06 (26.86, 56.4)	-2.83 (-3.01, -2.65)	<0.001
Thailand	10662 (7916, 14881)	44.21 (29.05, 65.87)	26731 (19261, 36252)	65.81 (42.29, 97.36)	1.43 (0.98, 1.88)	<0.001
Timor-Leste	67 (44, 95)	23.36 (13.94, 36.2)	88 (60, 121)	17.08 (10.72, 25.55)	-1.03 (-1.49, -0.56)	<0.001
Togo	222 (163, 291)	21.71 (14.29, 31.38)	1415 (919, 1999)	43.49 (25.47, 68.39)	2.34 (2.14, 2.55)	<0.001
Tokelau	0 (0, 0)	16.19 (9.21, 26.42)	0 (0, 0)	15.58 (9.29, 24.55)	-0.08 (-0.28, 0.12)	0.446
Tonga	4 (3, 6)	14.29 (9.55, 20.63)	6 (4, 9)	14.7 (8.82, 23.12)	0.06 (-0.05, 0.18)	0.291
Trinidad and	88 (81, 95)	18.21 (15.92, 20.66)	144 (105, 191)	18.83 (13.39, 25.64)	0.49 (-0.43, 1.42)	0.296

Tobago						
Tunisia	114 (89, 150)	4.01 (2.8, 5.59)	257 (164, 374)	3.86 (2.36, 5.95)	-0.16 (-0.26, -0.06)	0.002
Turkey	6342 (4390, 8083)	28.39 (18.14, 40.15)	5829 (4136, 7666)	12.39 (8.18, 17.52)	-3.8 (-4.64, -2.95)	<0.00 1
Turkmenistan	2364 (2202, 2537)	211.62 (192.32, 230.31)	1681 (1271, 2212)	67.69 (51.28, 89.27)	-0.27 (-0.35, -0.19)	<0.00 1
Tuvalu	1 (1, 1)	23.74 (14.99, 35.71)	1 (1, 2)	21.74 (13.04, 34.22)	-2.68 (-3.09, -2.26)	<0.00 1
Uganda	4627 (3291, 6119)	104.03 (68.51, 152.64)	14518 (9770, 20570)	115.31 (71.07, 175.18)	0.29 (0.12, 0.46)	0.001
Ukraine	9518 (8363, 10802)	38.93 (32.03, 47.06)	6599 (4278, 9427)	25.61 (15.88, 38.11)	-1.45 (-2.54, -0.34)	0.01
United Arab Emirates	123 (88, 168)	12.56 (7.58, 19.55)	696 (511, 911)	7.25 (4.6, 10.78)	-1.66 (-1.91, -1.41)	<0.00 1
United Kingdom	10962 (10773, 11138)	37.45 (36.51, 38.41)	11708 (11401, 12033)	34.25 (33.06, 35.58)	-0.3 (-0.9, 0.31)	0.334
United Republic of Tanzania	9388 (6587, 12958)	130.71 (83.85, 192.78)	17065 (11677, 24114)	83.09 (52.84, 125.02)	-1.44 (-1.56, -1.32)	<0.00 1
United States of America	34499 (33825, 35068)	26.85 (26.11, 27.52)	35323 (34099, 36556)	21.86 (20.97, 22.79)	-0.59 (-1.15, -0.02)	0.041
United States Virgin Islands	17 (13, 22)	29.07 (19.94, 42.11)	12 (9, 17)	29.5 (18.31, 45.08)	0.18 (-0.21, 0.56)	0.369
Uruguay	638 (565, 715)	45.07 (36.71, 54.39)	502 (442, 568)	28.7 (23.2, 35.43)	-1.2 (-2.41, 0.03)	0.055
Uzbekistan	6741 (5690, 7746)	109.3 (90.9, 128.98)	5675 (4304, 7350)	32.71 (24.83, 42.58)	-3.74 (-5.8, -1.63)	0.001
Vanuatu	12 (8, 18)	23.14 (12.93, 38.47)	29 (20, 42)	22.39 (13.35, 35.16)	-0.13 (-0.27, 0.01)	0.062
Venezuela (Bolivarian Republic of)	1106 (1042, 1171)	15.71 (14.11, 17.5)	1777 (1239, 2429)	12.37 (8.6, 17.06)	-0.64 (-2.01, 0.74)	0.359
Viet Nam	2905 (1983, 4157)	14.85 (9.29, 22.68)	9354 (6219, 14052)	16.95 (10.28, 27.02)	0.47 (0.34, 0.61)	<0.00 1
Yemen	1557 (804, 2375)	42.64 (20.87, 69.13)	3517 (1604, 5381)	28.25 (12.84, 46.53)	-1.32 (-1.6, -1.04)	<0.00 1
Zambia	3668 (2624, 4716)	168.24 (111.25, 239.28)	9176 (5465, 15634)	137.63 (76.2, 248.39)	-0.62 (-0.77, -0.47)	<0.00 1
Zimbabwe	2383 (1835, 3071)	85.74 (58.51, 120.47)	9066 (6104, 12635)	155.74 (95.08, 232.86)	1.99 (1.24, 2.74)	<0.00 1
MOEC						
Afghanistan	12628 (5695, 18777)	959.05 (422.45, 1518.02)	11096 (4757, 17302)	695.57 (290.75, 1138.39)	-1.03 (-1.09, -0.98)	<0.00 1
Albania	619 (500, 761)	169.55 (130.85, 219.18)	833 (589, 1134)	117.03 (82.68, 159.42)	-1.34 (-2.05, -0.62)	<0.00 1
Algeria	1221 (982, 1496)	56.81 (41.22, 76.29)	3352 (2506, 4290)	52.45 (35.54, 73.1)	-0.26 (-0.35, -0.17)	<0.00 1
American Samoa	4 (3, 5)	103.33 (73.77, 141.59)	12 (9, 15)	131.99 (90.63, 182)	0.88 (0.21, 1.57)	0.011
Andorra	17 (11, 25)	181.51 (114.66, 277.3)	25 (15, 38)	101.78 (57.3, 160.35)	-2 (-2.33, -1.68)	<0.00 1
Angola	9650 (6353, 13431)	1276.29 (789.24, 1862.75)	18213 (12605, 25280)	788.78 (511.85, 1150.82)	-1.57 (-1.79, -1.34)	<0.00 1
Antigua and Barbuda	21 (20, 23)	298.11 (260.12, 340.58)	45 (41, 49)	236.12 (201.89, 272.38)	-0.8 (-1.59, -0.01)	0.048
Argentina	32299 (29822, 34877)	609.17 (522.19, 710.21)	27978 (25204, 30789)	335.03 (279.15, 398.25)	-1.89 (-2.33, -1.44)	<0.00 1
Armenia	1377 (1268, 1474)	259.87 (237.75, 281.12)	689 (600, 794)	90.07 (78.43, 103.76)	-3.5 (-4.55, -2.45)	<0.00 1
Australia	10541 (9763, 11340)	350.48 (303.47, 400.05)	16287 (14816, 17967)	262.98 (220.31, 313.34)	-0.98 (-1.15, -0.81)	<0.00 1

Austria	4168 (3827, 4515)	252.47 (214.96, 293.93)	5036 (4542, 5589)	206.33 (171.32, 247.32)	-0.7 (-1.12, -0.28)	0.001
Azerbaijan	8099 (7026, 9268)	843.55 (702.74, 1000.13)	9958 (7358, 12633)	465.8 (343.99, 590.51)	-1.91 (-2.12, -1.69)	<0.00 1
Bahamas	178 (160, 198)	712.21 (600.68, 840.02)	380 (295, 491)	494.21 (371.97, 646.27)	-1.14 (-1.64, -0.62)	<0.00 1
Bahrain	92 (74, 111)	277.01 (206.5, 365.21)	232 (175, 312)	112.92 (79.89, 161.29)	-2.95 (-3.31, -2.58)	<0.00 1
Bangladesh	45390 (31930, 62048)	575.1 (378.16, 839.9)	73217 (50895, 102308)	312.45 (198.41, 465.11)	-1.87 (-2.37, -1.36)	<0.00 1
Barbados	180 (166, 195)	496.78 (431.8, 567.78)	345 (256, 440)	416.09 (296.94, 551.37)	-0.44 (-0.57, -0.31)	<0.00 1
Belarus	7599 (6959, 8283)	328.42 (276.33, 388.81)	9494 (7466, 11969)	363.5 (262.9, 484.86)	0.21 (-0.35, 0.77)	0.462
Belgium	8097 (7443, 8765)	350.58 (297.53, 411.58)	10764 (9755, 11860)	350.98 (293.59, 418.78)	-0.24 (-0.56, 0.07)	0.132
Belize	28 (25, 30)	188.76 (163.46, 218)	108 (91, 125)	200.21 (161.71, 242.08)	0.17 (-0.41, 0.76)	0.565
Benin	1024 (823, 1265)	319.36 (229.39, 432.95)	4432 (3218, 5891)	486.03 (314.37, 704.57)	1.39 (1.24, 1.53)	<0.00 1
Bermuda	65 (58, 72)	632.43 (517.08, 759.93)	65 (52, 79)	326.75 (247.64, 425.2)	-2.19 (-2.45, -1.94)	<0.00 1
Bhutan	238 (168, 324)	517.8 (333.4, 748.43)	304 (211, 433)	306.71 (200.25, 456.53)	-1.66 (-1.79, -1.53)	<0.00 1
Bolivia (Plurinational State of)	1260 (937, 1672)	231.27 (162.49, 321.31)	2485 (1727, 3494)	158.02 (104.45, 231.04)	-1.23 (-1.32, -1.13)	<0.00 1
Bosnia and Herzegovina	1970 (1659, 2353)	236.48 (196.08, 286.49)	2166 (1563, 2796)	223.5 (161.4, 289.39)	-0.1 (-0.55, 0.35)	0.665
Botswana	1265 (906, 1732)	1231.48 (818.78, 1789.78)	2205 (1607, 2968)	809.34 (539.87, 1166.47)	-1.33 (-1.56, -1.11)	<0.00 1
Brazil	104183 (100439, 107751)	669.55 (630.44, 709.12)	211824 (200163, 221242)	502.05 (465.52, 535.85)	-0.95 (-1.01, -0.88)	<0.00 1
Brunei Darussalam	47 (37, 59)	287.12 (208.86, 385.91)	124 (96, 154)	179.14 (130.66, 238.39)	-1.56 (-1.94, -1.17)	<0.00 1
Bulgaria	5721 (5299, 6204)	263.86 (231.95, 298.51)	4757 (4021, 5520)	253.59 (208.15, 304.84)	-0.12 (-0.76, 0.53)	0.722
Burkina Faso	2476 (1836, 3121)	320.77 (223.66, 449.1)	8451 (5972, 11024)	522.94 (340.04, 749.32)	1.62 (1.49, 1.75)	<0.00 1
Burundi	8186 (5661, 10530)	2103.62 (1381.04, 2962.75)	9616 (6742, 12805)	1045.82 (694.94, 1507.77)	-2.25 (-2.43, -2.08)	<0.00 1
Cabo Verde	251 (206, 301)	736.95 (536, 975.92)	1165 (885, 1465)	1442.82 (954.24, 2043.18)	2.23 (1.34, 3.12)	<0.00 1
Cambodia	3600 (2727, 4659)	440.36 (309.22, 603.26)	6334 (4469, 8535)	271.17 (180, 386.96)	-1.54 (-1.66, -1.42)	<0.00 1
Cameroon	2890 (2133, 3732)	351.65 (242.13, 485.84)	14430 (9367, 20424)	623.81 (383.02, 943.54)	1.87 (1.76, 1.99)	<0.00 1
Canada	15084 (14054, 16378)	306.24 (266.11, 352.87)	29255 (26517, 32198)	281.6 (236.56, 333.48)	-0.24 (-0.86, 0.39)	0.453
Central African Republic	3516 (2458, 4428)	1559.28 (1007.69, 2180.69)	5297 (3540, 7298)	1162.79 (737.43, 1705.48)	-0.91 (-0.97, -0.84)	<0.00 1
Chad	1165 (917, 1447)	255.97 (182.07, 347.96)	5738 (4131, 7733)	550.26 (360.59, 794.55)	2.56 (2.39, 2.72)	<0.00 1
Chile	8793 (8137, 9477)	532.26 (460.03, 613.57)	7155 (6512, 7908)	173.01 (146.19, 203.83)	-3.61 (-4.13, -3.08)	<0.00 1
China	3571719 (2939246, 4223810)	2333.83 (1900.49, 2771.69)	3881705 (3037361, 4942695)	1027.46 (793.57, 1305.01)	-2.64 (-2.8, -2.48)	<0.00 1

Colombia	9510 (8917, 10231)	318.14 (277.45, 364.31)	10881 (8724, 13437)	119.02 (91.55, 153.34)	-3.13 (-3.76, -2.5)	<0.00 1
Comoros	637 (441, 875)	1755.48 (1146.7, 2555.4)	1037 (728, 1440)	1190.25 (778.68, 1746.24)	-1.27 (-1.74, -0.8)	<0.00 1
Congo	3319 (2401, 4405)	1677.87 (1101, 2394.19)	5490 (3746, 7730)	1045.5 (682.3, 1545.22)	-1.52 (-1.79, -1.26)	<0.00 1
Cook Islands	5 (4, 7)	249.93 (171.96, 347.02)	9 (7, 11)	200.35 (136.48, 285.95)	-0.67 (-0.81, -0.52)	<0.00 1
Costa Rica	537 (490, 587)	193.74 (164.99, 229)	1064 (903, 1228)	116.02 (92.27, 142.17)	-1.81 (-2.3, -1.32)	<0.00 1
Côte d'Ivoire	1008 (777, 1260)	131.54 (92.58, 178.76)	2676 (1890, 3699)	128.05 (84.46, 190.89)	-1.19 (-2.6, 0.25)	0.104
Croatia	4457 (4038, 4896)	384.81 (327.04, 448.04)	3190 (2720, 3634)	264.46 (213.06, 320.5)	1.77 (1.48, 2.06)	<0.00 1
Cuba	4935 (4583, 5317)	315.2 (269.7, 365.23)	16270 (13555, 19176)	515.94 (404.41, 649.4)	-0.01 (-0.49, 0.46)	0.956
Cyprus	128 (97, 166)	100.77 (72.8, 137.75)	299 (224, 393)	97.71 (69.83, 135.44)	0.18 (-0.5, 0.87)	0.595
Czechia	6140 (5609, 6735)	289.92 (251.05, 335.09)	8537 (7201, 9907)	308.76 (251.77, 375.07)	-0.08 (-0.24, 0.08)	0.332
Democratic People's Republic of Korea	32690 (22507, 45695)	1048.01 (683.18, 1546.9)	54203 (38294, 74503)	923.51 (604.56, 1352)	-0.4 (-0.46, -0.35)	<0.00 1
Democratic Republic of the Congo	30245 (20481, 41467)	993.82 (633.14, 1437.13)	57788 (38194, 79802)	803.95 (504.07, 1195.34)	-0.7 (-0.87, -0.53)	<0.00 1
Denmark	4951 (4625, 5335)	466.04 (405.26, 536.45)	5866 (5271, 6418)	384.58 (323.83, 453.59)	-0.64 (-1.29, 0)	0.051
Djibouti	404 (285, 570)	1520.34 (993.89, 2263.72)	1486 (961, 2188)	1176.58 (712.19, 1818.91)	-0.85 (-0.94, -0.75)	<0.00 1
Dominica	37 (31, 43)	425.7 (327.1, 549.89)	69 (53, 93)	458.35 (322.1, 650)	0.25 (0.14, 0.36)	<0.00 1
Dominican Republic	1066 (859, 1310)	168.93 (126.43, 225.44)	3405 (2543, 4450)	207.27 (139.61, 294.44)	0.75 (-0.2, 1.71)	0.12
Ecuador	1294 (1179, 1398)	150.52 (127.76, 176.66)	1940 (1450, 2531)	73.28 (53.44, 98.41)	-2.29 (-3.13, -1.44)	<0.00 1
Egypt	5472 (4703, 6395)	103.97 (78.81, 136.13)	10521 (8052, 13509)	82.29 (57.33, 114.58)	-0.73 (-1.23, -0.23)	0.004
El Salvador	712 (631, 800)	147.55 (120.3, 178.66)	1259 (975, 1624)	134.96 (96.39, 180.74)	-0.08 (-1.16, 1.01)	0.884
Equatorial Guinea	542 (371, 730)	1471.14 (941.47, 2126.19)	768 (488, 1136)	828.52 (486.4, 1281.01)	-1.8 (-2.12, -1.47)	<0.00 1
Eritrea	5409 (3528, 7219)	2292.02 (1413.24, 3282.06)	7671 (5273, 11105)	1428.53 (917.93, 2200.9)	-1.53 (-1.67, -1.4)	<0.00 1
Estonia	1277 (1140, 1418)	370.8 (310.77, 437.75)	950 (782, 1152)	272.27 (211.63, 344.16)	-0.89 (-1.62, -0.15)	0.019
Eswatini	925 (676, 1189)	1795.71 (1221.38, 2462.45)	1890 (1307, 2728)	1839.76 (1183, 2781.57)	0.06 (-0.28, 0.41)	0.721
Ethiopia	37602 (26167, 48638)	1030.09 (703.01, 1366.67)	33837 (26897, 45554)	461.01 (352.98, 626.95)	-2.56 (-2.72, -2.39)	<0.00 1
Fiji	137 (106, 174)	207.82 (147.17, 289.94)	338 (238, 451)	227.48 (145.63, 331.52)	0.22 (-0.3, 0.74)	0.407
Finland	2685 (2517, 2878)	260.4 (229.68, 293.19)	3563 (3269, 3865)	235.3 (205.84, 269.88)	-0.38 (-0.72, -0.03)	0.032
France	101661 (93774, 110036)	854.19 (735.26, 987.91)	57719 (51924, 63960)	335.54 (277.92, 400.77)	-2.92 (-3.25, -2.58)	<0.00 1
Gabon	1269 (920, 1632)	1263.55 (850.15, 1771.51)	2107 (1476, 2839)	1030.33 (663.71, 1508.2)	-0.65 (-0.84, -0.46)	<0.00 1

Gambia	91 (69, 118)	152.34 (104.24, 214.85)	316 (230, 412)	191.48 (130.24, 269)	0.75 (-0.12, 1.62)	0.089
Georgia	2354 (2045, 2696)	206.79 (179.9, 237.49)	923 (783, 1083)	98.12 (83.21, 114.93)	-2.57 (-4.37, -0.74)	0.006
Germany	66284 (61153, 71641)	350.08 (302.75, 405.23)	86747 (78724, 94669)	345.92 (290.03, 409.72)	-0.02 (-0.46, 0.42)	0.925
Ghana	2626 (1945, 3440)	231.97 (158.44, 326.32)	9390 (6475, 12247)	308.05 (197.12, 448.42)	0.93 (0.81, 1.05)	<0.00 1
Greece	3740 (3458, 4031)	154.16 (134.9, 176.6)	4143 (3809, 4483)	149.36 (128.73, 171.62)	0.1 (-0.11, 0.3)	0.369
Greenland	106 (89, 124)	1656.85 (1255.76, 2135.97)	154 (121, 191)	1037.75 (733.35, 1402.18)	-1.38 (-1.46, -1.3)	<0.00 1
Grenada	64 (56, 73)	667.11 (540.51, 821.48)	95 (78, 113)	450.07 (351.5, 571.97)	-1.28 (-2.62, 0.08)	0.064
Guam	29 (24, 34)	196.76 (150.5, 254.29)	65 (52, 79)	179.9 (134.45, 236.37)	-0.39 (-1.14, 0.38)	0.319
Guatemala	1069 (1004, 1130)	171.22 (152.38, 192.28)	2165 (1805, 2606)	119.5 (96.84, 147.2)	-1.22 (-2.36, -0.07)	0.038
Guinea	688 (521, 869)	122.19 (85.96, 166.32)	1307 (879, 1861)	134.62 (85.66, 201.59)	0.33 (0.21, 0.45)	<0.00 1
Guinea-Bissau	364 (263, 473)	515.41 (338.03, 729.6)	1030 (754, 1333)	756.57 (512.01, 1063.87)	1.28 (1.16, 1.41)	<0.00 1
Guyana	136 (119, 156)	210.9 (173.07, 257.09)	257 (190, 342)	210.62 (148.52, 287.51)	0.07 (-0.58, 0.73)	0.824
Haiti	3159 (2241, 4167)	530.18 (347.54, 753.7)	5133 (3552, 7295)	382.66 (244.54, 576.22)	-1 (-1.05, -0.95)	<0.00 1
Honduras	291 (229, 353)	83.79 (61.51, 112.1)	1247 (946, 1635)	115.49 (79.66, 162.91)	1.09 (0.75, 1.43)	<0.00 1
Hungary	11483 (10631, 12300)	497.98 (427.83, 584.57)	10123 (8890, 11606)	391.5 (322.85, 472.9)	-0.88 (-1.13, -0.64)	<0.00 1
Iceland	160 (146, 174)	386.91 (327.41, 452.54)	246 (219, 280)	294.94 (240.46, 358.59)	-0.64 (-1.04, -0.23)	0.002
India	314623 (273621, 396336)	361.78 (310.33, 454.12)	615202 (538359, 727309)	296.54 (255.39, 354.37)	-0.65 (-0.93, -0.36)	<0.00 1
Indonesia	33155 (24862, 40042)	179.54 (134.98, 220.52)	66570 (50970, 84506)	140.15 (106.8, 178.4)	-0.81 (-0.89, -0.72)	<0.00 1
Iran (Islamic Republic of)	21267 (18317, 23952)	409.51 (350.68, 464.8)	35266 (31969, 38792)	256.27 (229.67, 286.58)	-1.52 (-1.68, -1.36)	<0.00 1
Iraq	1519 (1127, 1951)	117.82 (82.51, 159.42)	4313 (2920, 5845)	98.43 (64.3, 138.24)	-0.57 (-0.77, -0.38)	<0.00 1
Ireland	3633 (3357, 3932)	614.17 (528.4, 710.02)	4463 (3951, 4964)	393.25 (324.02, 471.46)	-1.44 (-1.9, -0.98)	<0.00 1
Israel	1070 (989, 1162)	148.19 (125.76, 172.76)	1817 (1649, 1986)	108 (90.15, 129.39)	-0.94 (-1.81, -0.06)	0.036
Italy	40835 (39519, 42345)	299.72 (283.94, 317.21)	21846 (20783, 22877)	125.42 (117.62, 133.71)	-2.92 (-3.32, -2.53)	<0.00 1
Jamaica	649 (586, 707)	254.2 (214.01, 299.52)	1313 (938, 1770)	262.1 (181.7, 367.03)	0.74 (-1.38, 2.9)	0.499
Japan	124061 (121087, 126801)	439.63 (424.49, 455.38)	99016 (95203, 102127)	286.67 (273.13, 298.82)	-1.39 (-1.62, -1.15)	<0.00 1
Jordan	257 (193, 336)	100.94 (71.44, 137.81)	924 (681, 1214)	64.39 (43.98, 92.73)	-1.45 (-1.68, -1.21)	<0.00 1
Kazakhstan	41567 (38486, 44665)	1814.68 (1617.5, 2028.44)	14009 (11957, 16346)	416.25 (353.5, 487.25)	-4.54 (-4.98, -4.1)	<0.00 1
Kenya	13363 (9585, 19014)	938.58 (670.27, 1347.87)	46379 (33850, 64718)	1103.08 (799.31, 1537.59)	0.49 (0.23, 0.75)	<0.00 1
Kiribati	40 (32, 52)	604.73 (419.06, 753.7)	74 (51, 102)	516.98 (328.93, 753.7)	-0.5 (-0.57, -0.42)	<0.00

		844.76)		764.63)		1
Kuwait	180 (162, 198)	163.16 (136.18, 193.03)	317 (248, 395)	55.23 (41.43, 72.49)	-3.34 (-4.95, -1.7)	<0.00 1
Kyrgyzstan	4620 (3885, 5388)	849.63 (701.78, 1016.8)	2386 (1810, 3002)	254.85 (194.03, 320.94)	-4.04 (-4.19, -3.9)	<0.00 1
Lao People's Democratic Republic	1735 (1179, 2333)	462.55 (296, 669.51)	1979 (1421, 2808)	230.18 (149.76, 346.16)	-2.22 (-2.29, -2.16)	<0.00 1
Latvia	2057 (1872, 2238)	342.72 (290.19, 403.31)	1787 (1514, 2079)	341.34 (267.76, 427.13)	0.12 (-1.09, 1.35)	0.843
Lebanon	473 (358, 618)	115.52 (79.42, 160.55)	570 (437, 735)	66.29 (46.48, 91.71)	-1.75 (-1.97, -1.52)	<0.00 1
Lesotho	1509 (1129, 1946)	1059.45 (735.86, 1496.57)	3326 (2351, 4542)	1736.66 (1133.17, 2516.64)	1.66 (1.3, 2.02)	<0.00 1
Liberia	580 (445, 731)	306.78 (214.95, 424.16)	2056 (1379, 3021)	548.53 (342.9, 858.52)	1.87 (1.51, 2.23)	<0.00 1
Libya	444 (315, 608)	134.39 (88.35, 202.7)	1535 (1063, 2119)	159.19 (101.39, 232.49)	0.51 (0.04, 0.99)	0.032
Lithuania	2665 (2447, 2904)	347.98 (294.69, 409.73)	3355 (2838, 3900)	423.52 (330.87, 531.12)	0.67 (-0.62, 1.98)	0.31
Luxembourg	370 (342, 397)	444.74 (385.25, 508.99)	457 (403, 515)	286.38 (239.62, 339.24)	-1.35 (-2.41, -0.27)	0.014
Madagascar	14053 (10199, 17638)	1529.78 (1035.89, 2080.8)	24136 (16230, 33510)	1073.66 (679.29, 1599.42)	-1.14 (-1.43, -0.84)	<0.00 1
Malawi	14884 (11707, 18539)	2136.71 (1568.21, 2844.46)	34456 (27247, 44367)	2634.54 (1906.19, 3615.86)	0.71 (0.48, 0.94)	<0.00 1
Malaysia	3968 (3210, 4733)	251.75 (187.35, 333.65)	11513 (9334, 13831)	228.26 (168.85, 304.92)	-0.24 (-0.87, 0.38)	0.446
Maldives	57 (38, 73)	306.99 (199.71, 426.52)	53 (39, 71)	86.37 (59.94, 120.44)	-4.12 (-4.45, -3.79)	<0.00 1
Mali	1838 (1498, 2216)	248.01 (181.44, 329.65)	3860 (2858, 5048)	239.99 (162.98, 339.98)	-0.06 (-0.29, 0.18)	0.635
Malta	170 (152, 189)	248.45 (207.03, 294.68)	211 (184, 240)	179.9 (146.62, 219.15)	-1.14 (-2.2, -0.07)	0.037
Marshall Islands	7 (5, 10)	275.48 (168.32, 409.37)	16 (11, 23)	226.81 (146.51, 342.44)	-0.62 (-0.71, -0.52)	<0.00 1
Mauritania	590 (443, 766)	359.98 (245.58, 502.91)	1781 (1215, 2549)	470.01 (296.58, 708.24)	0.87 (0.47, 1.26)	<0.00 1
Mauritius	440 (410, 470)	343.35 (304.48, 385.02)	1090 (986, 1178)	330.71 (282.2, 380.2)	0.29 (-1.5, 2.11)	0.755
Mexico	11446 (11218, 11686)	159.89 (154.41, 165.24)	24623 (20908, 28656)	113.82 (96.28, 132.62)	-1.16 (-1.56, -0.75)	<0.00 1
Micronesia (Federated States of)	24 (18, 32)	304.29 (204.56, 433.3)	38 (28, 52)	251.89 (163.89, 370.86)	-0.62 (-0.71, -0.53)	<0.00 1
Monaco	34 (25, 44)	397.85 (280.26, 540.83)	49 (38, 62)	408.37 (291.18, 558.55)	0.07 (-0.09, 0.23)	0.413
Mongolia	3571 (2694, 4561)	2031.89 (1514.72, 2633.28)	5343 (4007, 6955)	1201.12 (885.53, 1566.73)	-1.64 (-1.83, -1.45)	<0.00 1
Montenegro	249 (203, 304)	219.65 (171.95, 282.71)	359 (272, 463)	222.27 (168.76, 289.26)	0.1 (-0.4, 0.6)	0.692
Morocco	1859 (1410, 2336)	77.58 (54.67, 106.96)	4799 (3302, 6241)	76.74 (50.27, 108.74)	-0.06 (-0.26, 0.14)	0.582
Mozambique	7581 (5853, 9718)	695.32 (483.74, 962.62)	17317 (12881, 22552)	851.43 (577.29, 1192.31)	0.66 (0.52, 0.81)	<0.00 1
Myanmar	17477 (12442, 23276)	411.36 (269.16, 597.48)	18731 (13530, 26442)	206.82 (137.5, 305.85)	-2.22 (-2.33, -2.1)	<0.00 1

Namibia	302 (243, 377)	254.21 (180.99, 345.82)	633 (463, 886)	252.5 (169.6, 376.65)	0.03 (-0.21, 0.27)	0.802
Nauru	3 (2, 5)	390.52 (253.93, 574.33)	3 (2, 5)	314.91 (200.03, 462.92)	-0.69 (-0.82, -0.55)	<0.00 1
Nepal	8731 (6523, 11761)	498.28 (341.78, 724.71)	13997 (9567, 20616)	343.47 (219.71, 519.91)	-1.19 (-1.29, -1.08)	<0.00 1
Netherlands	11416 (10585, 12318)	396.23 (345.85, 452.43)	22902 (20886, 25158)	471.15 (398.44, 553.39)	0.56 (0.19, 0.93)	0.003
New Zealand	2155 (1981, 2344)	362.08 (313.68, 418.11)	2629 (2410, 2867)	212.84 (182.22, 246.06)	-1.84 (-2.87, -0.8)	0.001
Nicaragua	208 (169, 248)	81.04 (60.63, 106.76)	552 (429, 730)	66.87 (48.17, 92.23)	-0.68 (-0.99, -0.37)	<0.00 1
Niger	1456 (1060, 1880)	286.24 (194.8, 406.12)	5864 (4015, 8012)	387.08 (242.03, 566.24)	1.01 (0.67, 1.35)	<0.00 1
Nigeria	20252 (14898, 28500)	263.24 (191.85, 371.95)	62907 (42048, 87839)	368.8 (243.75, 514.26)	1.08 (0.95, 1.21)	<0.00 1
Niue	1 (1, 1)	210.55 (142.59, 300.86)	1 (1, 1)	211.31 (140.14, 305.95)	0.02 (-0.06, 0.1)	0.698
North Macedonia	492 (410, 601)	142.91 (113.3, 179.25)	757 (537, 1014)	132.98 (93.82, 179.1)	-0.28 (-0.58, 0.01)	0.057
Northern Mariana Islands	4 (3, 5)	116.06 (81.52, 165.69)	23 (19, 27)	211.36 (146.25, 292.64)	1.93 (1.26, 2.62)	<0.00 1
Norway	1916 (1851, 1986)	226.08 (212.64, 240.2)	2930 (2768, 3077)	217.52 (201.26, 234.18)	-0.12 (-0.92, 0.68)	0.76
Oman	212 (149, 292)	191.28 (125.12, 279.96)	472 (341, 647)	127.31 (86.28, 183.67)	-1.3 (-1.86, -0.74)	<0.00 1
Pakistan	57861 (48665, 67551)	613.64 (489.05, 756.62)	133376 (104142, 170895)	599.71 (450.26, 783.23)	-0.06 (-0.16, 0.05)	0.31
Palau	4 (3, 5)	256.41 (177.06, 352.02)	10 (8, 13)	211.33 (145.74, 305.95)	-0.64 (-0.82, -0.46)	<0.00 1
Palestine	155 (108, 213)	104.13 (70.01, 149.36)	308 (237, 400)	64.46 (46.74, 87.84)	-1.55 (-1.74, -1.36)	<0.00 1
Panama	324 (300, 349)	136.21 (118.65, 156.53)	603 (445, 740)	85.62 (62.38, 110.21)	-1.64 (-2.46, -0.82)	<0.00 1
Papua New Guinea	636 (418, 977)	182.08 (110.95, 293.31)	1364 (917, 2046)	140.44 (90.62, 215.66)	-0.81 (-0.94, -0.68)	<0.00 1
Paraguay	1067 (873, 1313)	293.95 (216.97, 396.9)	3860 (2825, 5350)	387.14 (252.79, 567.83)	0.93 (0.76, 1.11)	<0.00 1
Peru	2521 (1992, 3171)	127.11 (93.85, 167.85)	4456 (3154, 6142)	82.34 (55.13, 118.26)	-1.05 (-2.14, 0.06)	0.063
Philippines	6484 (5561, 7692)	122.76 (104.67, 147.08)	19422 (15535, 23579)	126.76 (101.14, 154.75)	0.1 (-0.03, 0.22)	0.124
Poland	26598 (25686, 27495)	364.53 (347.41, 382.73)	33693 (30414, 36977)	328.71 (293.59, 362.32)	-0.3 (-0.58, -0.01)	0.039
Portugal	9003 (8272, 9741)	407.92 (344.63, 478.14)	10341 (9294, 11566)	352.73 (289.21, 425.41)	-0.41 (-0.99, 0.17)	0.164
Puerto Rico	2809 (2578, 3037)	506.91 (429.51, 593.26)	1750 (1367, 2131)	198.4 (149.62, 254.47)	-3.07 (-3.81, -2.32)	<0.00 1
Qatar	70 (53, 89)	329.99 (228.65, 456.86)	283 (195, 400)	133.35 (85.94, 200.09)	-2.89 (-3.37, -2.42)	<0.00 1
Republic of Korea	33018 (26485, 40444)	591.7 (441.14, 777.71)	26700 (21314, 33288)	167.05 (120.27, 226.15)	-4.04 (-4.26, -3.83)	<0.00 1
Republic of Moldova	2180 (2011, 2344)	269.36 (234.36, 308.22)	2163 (1913, 2472)	221.57 (183.23, 266.31)	-0.68 (-1.67, 0.33)	0.187
Romania	8081 (7418, 8915)	159.72 (135.68, 187.63)	15742 (13544, 18160)	312.51 (247.9, 388.51)	2.2 (1.79, 2.61)	<0.00 1
Russian	175564 (172147, 178981)	540.28 (524.69, 555.87)	134575 (120261, 148889)	349.06 (311.49, 386.63)	-1.19 (-1.87, -0.5)	0.001

Federation	178873)	556.53)	147357)	383.68)		
Rwanda	12281 (8427, 15702)	2333.08 (1499.47, 3255.58)	12590 (8895, 17104)	1060.89 (682.41, 1577.71)	-2.53 (-2.71, -2.35)	<0.00 1
Saint Kitts and Nevis	20 (18, 22)	403.41 (346.85, 463.21)	52 (42, 63)	358.42 (274.36, 455.65)	-0.41 (-1.02, 0.2)	0.184
Saint Lucia	61 (56, 66)	451.64 (388.53, 522.25)	156 (121, 192)	375.22 (283.11, 483.82)	-0.52 (-1.18, 0.14)	0.119
Saint Vincent and the Grenadines	22 (20, 24)	201.64 (172.4, 235.35)	56 (49, 65)	227.62 (184.04, 276.39)	0.3 (-0.28, 0.88)	0.309
Samoa	19 (14, 24)	122.48 (85.56, 166.08)	28 (21, 36)	107.61 (74.6, 148.94)	-0.42 (-0.45, -0.38)	<0.00 1
San Marino	7 (5, 9)	136.92 (93.02, 198.89)	7 (4, 11)	71.2 (38.6, 114.81)	-2.32 (-2.58, -2.05)	<0.00 1
Sao Tome and Principe	26 (20, 34)	231.01 (165.23, 320.32)	91 (68, 120)	442.44 (304.99, 630.83)	2.15 (1.95, 2.35)	<0.00 1
Saudi Arabia	1841 (1268, 2559)	188.61 (123.63, 271.32)	5036 (3735, 6956)	129.28 (90.54, 182.24)	-1.17 (-1.36, -0.99)	<0.00 1
Senegal	1703 (1309, 2150)	305.28 (214.73, 421.18)	6575 (4635, 9003)	477.32 (315.65, 689.82)	1.45 (1.14, 1.76)	<0.00 1
Serbia	5447 (4021, 7511)	244.59 (177.25, 336.94)	5419 (3836, 7571)	229.11 (161.85, 321.59)	-0.05 (-0.7, 0.6)	0.877
Seychelles	51 (40, 63)	586.37 (430.6, 787.18)	96 (73, 127)	435.41 (304.46, 602.87)	-0.88 (-1.23, -0.53)	<0.00 1
Sierra Leone	916 (675, 1193)	278.48 (188.03, 394.94)	3091 (2213, 4242)	474.29 (310.36, 688.67)	1.74 (1.61, 1.87)	<0.00 1
Singapore	1477 (1358, 1609)	389.91 (332.69, 458.28)	1844 (1657, 2041)	124.86 (102.5, 149.47)	-3.56 (-5.96, -1.08)	0.005
Slovakia	4650 (3424, 6200)	484.87 (349.77, 664.91)	5321 (3746, 7576)	374.49 (261.56, 534.8)	-0.84 (-1.37, -0.31)	0.002
Slovenia	1563 (1422, 1712)	378.35 (322.14, 444.09)	1272 (1067, 1497)	210.3 (165.35, 263.8)	-2.04 (-3, -1.07)	<0.00 1
Solomon Islands	70 (42, 98)	264.49 (151.89, 394.96)	146 (93, 220)	226.71 (142.06, 347.55)	-0.57 (-0.9, -0.23)	0.001
Somalia	10520 (7072, 14777)	2292.35 (1460.61, 3326.59)	17570 (12203, 23991)	1579.8 (1023.51, 2295.73)	-1.19 (-1.26, -1.11)	<0.00 1
South Africa	37456 (32720, 45025)	1067.4 (911.53, 1297.58)	86281 (78053, 96377)	1044.48 (918.27, 1190.73)	-0.19 (-0.96, 0.58)	0.628
South Sudan	8023 (5750, 11128)	1880.07 (1220.16, 2733.61)	11767 (8147, 16057)	1573.21 (1016.25, 2343.81)	-0.56 (-0.67, -0.44)	<0.00 1
Spain	33182 (30793, 35930)	404.36 (342.96, 470.33)	29395 (26307, 32454)	235.9 (193.66, 284.68)	-1.82 (-2.19, -1.45)	<0.00 1
Sri Lanka	9293 (7604, 11369)	491.57 (366.04, 654.83)	16576 (10054, 23952)	353.46 (204.07, 528.52)	-0.99 (-1.65, -0.34)	0.003
Sudan	6805 (4110, 9297)	448.39 (256.66, 663.21)	12223 (7161, 17831)	357.28 (209.9, 546.07)	-0.73 (-0.78, -0.68)	<0.00 1
Suriname	78 (64, 93)	170.44 (128.82, 222.83)	192 (141, 252)	167.53 (110.65, 236.7)	0.01 (-0.78, 0.8)	0.981
Sweden	3861 (3605, 4149)	207.51 (183.15, 234.46)	4758 (4092, 5550)	186.95 (153.52, 224.86)	-0.32 (-1.2, 0.56)	0.468
Switzerland	5755 (5321, 6206)	407.95 (350, 474.06)	5222 (4704, 5751)	219.53 (182.3, 263.87)	-2.25 (-3.11, -1.39)	<0.00 1
Syrian Arab Republic	674 (503, 875)	70.56 (51.62, 93.79)	1725 (1168, 2420)	66.24 (44.3, 93.54)	-0.2 (-0.43, 0.03)	0.092
Taiwan (Province of China)	24604 (22828, 26575)	842.13 (727.18, 970.45)	57747 (51337, 63520)	853.58 (718.83, 992.41)	0.03 (-0.13, 0.18)	0.746

Tajikistan	5291 (4290, 6451)	1063.8 (836.13, 1332.81)	5664 (4070, 7534)	480.64 (344.51, 646.05)	-2.66 (-2.97, -2.36)	<0.00 1
Thailand	32382 (24559, 44593)	491.78 (335.6, 725.15)	81928 (58306, 110970)	435.25 (283.81, 637.35)	-0.42 (-0.65, -0.2)	<0.00 1
Timor-Leste	139 (90, 188)	257.58 (159.9, 379.83)	275 (186, 390)	192.48 (122.83, 288.74)	-0.96 (-1.12, -0.79)	<0.00 1
Togo	662 (507, 843)	303.65 (211.27, 423.66)	4304 (2977, 5985)	587.57 (370.8, 874.47)	2.21 (2.02, 2.4)	<0.00 1
Tokelau	0 (0, 1)	191.92 (118, 284.85)	0 (0, 0)	153.33 (98.54, 222.72)	-0.76 (-0.92, -0.59)	<0.00 1
Tonga	18 (14, 23)	179.46 (126.56, 247.56)	23 (17, 31)	170.51 (111, 247.12)	-0.18 (-0.54, 0.18)	0.333
Trinidad and Tobago	295 (274, 317)	222.5 (193.22, 255.58)	598 (449, 776)	184.41 (133.79, 249.97)	-0.3 (-0.83, 0.23)	0.27
Tunisia	505 (395, 637)	56.19 (40.83, 76.01)	1259 (817, 1834)	53.5 (33.39, 81.34)	-0.15 (-0.29, -0.02)	0.029
Turkey	13050 (10197, 16106)	202.79 (146.77, 271.52)	20149 (14700, 26225)	124.46 (85.03, 170.64)	-4.15 (-5.07, -3.22)	<0.00 1
Turkmenistan	10326 (9579, 11034)	2971.69 (2706.96, 3236.45)	6242 (4693, 8159)	791.07 (598.53, 1038.1)	-0.9 (-0.95, -0.85)	<0.00 1
Tuvalu	3 (3, 4)	252.85 (176.81, 355.92)	4 (3, 5)	191.42 (128.02, 277.21)	-1.62 (-1.89, -1.34)	<0.00 1
Uganda	16659 (12772, 20835)	1480.66 (1036.78, 2064.53)	38973 (28631, 51573)	1456.4 (986.83, 2068.55)	-0.08 (-0.32, 0.16)	0.502
Ukraine	45931 (41881, 50213)	369.89 (312.9, 437.66)	34001 (22541, 48560)	287.71 (182.86, 427.19)	-0.61 (-1.14, -0.08)	0.024
United Arab Emirates	159 (110, 221)	218.57 (143.79, 317.81)	1032 (716, 1383)	93.3 (61.2, 133.58)	-2.72 (-3.19, -2.23)	<0.00 1
United Kingdom	72330 (71115, 73315)	585.73 (571.92, 599.48)	82592 (80106, 84816)	487.67 (469.56, 505.69)	-0.49 (-0.66, -0.32)	<0.00 1
United Republic of Tanzania	32206 (24103, 41123)	1658.01 (1147.04, 2291.89)	49975 (35169, 67318)	1093.96 (722.01, 1573.75)	-1.33 (-1.45, -1.22)	<0.00 1
United States of America	164807 (161257, 167750)	371.93 (360.02, 382.9)	268885 (260222, 276230)	309.61 (297.64, 320.89)	-0.65 (-0.73, -0.58)	<0.00 1
United States Virgin Islands	45 (35, 55)	301.73 (215.18, 404.92)	51 (37, 70)	190.64 (126.49, 275.47)	-1.56 (-2.23, -0.89)	<0.00 1
Uruguay	4471 (4126, 4875)	737.54 (626.7, 864.02)	3141 (2797, 3472)	417.69 (345.99, 499.76)	-1.92 (-2.46, -1.37)	<0.00 1
Uzbekistan	30156 (27182, 32908)	1495.06 (1310.68, 1697.7)	17350 (14203, 21134)	328.96 (262.2, 410.25)	-4.84 (-5.92, -3.75)	<0.00 1
Vanuatu	27 (19, 38)	233.78 (149.25, 350.33)	67 (51, 88)	201.77 (137.01, 291.15)	-0.51 (-0.78, -0.25)	<0.00 1
Venezuela (Bolivarian Republic of)	3329 (3086, 3586)	207.68 (180.7, 235.63)	7028 (4723, 9622)	133.94 (90.31, 190.07)	-1.66 (-1.81, -1.5)	<0.00 1
Viet Nam	15276 (10611, 21075)	219.06 (141.33, 317.79)	46376 (32010, 63370)	245.34 (160.34, 357.19)	0.38 (0.22, 0.53)	<0.00 1
Yemen	4354 (2597, 6390)	488.89 (279.58, 741.03)	8256 (4279, 12329)	335.28 (167.67, 517.43)	-1.19 (-1.31, -1.07)	<0.00 1
Zambia	10582 (7954, 13264)	2042.11 (1431.33, 2784.93)	20333 (13668, 31939)	1611.39 (983.84, 2753.02)	-0.76 (-0.91, -0.61)	<0.00 1
Zimbabwe	8872 (6865, 10933)	1225.73 (874.35, 1675.42)	19276 (14251, 24718)	1518.19 (1031.03, 2088.58)	0.71 (0.47, 0.95)	<0.00 1
MOEC						
Afghanistan	3496 (1934, 4880)	1076.47 (561.74, 1603.51)	3817 (1983, 5372)	919.82 (459.95, 1373.22)	-0.5 (-0.54, -0.46)	<0.00 1
Albania	259 (215, 311)	259.09 (199.74, 330.81)	514 (379, 672)	189.4 (135.56, 253.1)	-1.08 (-1.74, -0.43)	0.001

Algeria	617 (488, 752)	109.97 (80.56, 147.49)	1643 (1258, 2071)	99.16 (69.53, 135.52)	-0.32 (-0.42, -0.22)	<0.00 1
American Samoa	1 (1, 2)	156.56 (114.14, 214.95)	4 (4, 5)	201.48 (144.17, 271.91)	0.83 (0.12, 1.53)	0.021
Andorra	7 (5, 10)	219.45 (148.23, 316.07)	13 (9, 19)	143.49 (91, 215.55)	-1.48 (-1.9, -1.06)	<0.00 1
Angola	1802 (1291, 2454)	1321.7 (894.3, 1906.48)	4165 (2935, 5652)	1016.55 (671.86, 1449.84)	-0.84 (-0.95, -0.73)	<0.00 1
Antigua and Barbuda	16 (14, 17)	434.61 (378.56, 495.28)	23 (21, 25)	408.65 (352.3, 469.16)	-0.39 (-1.14, 0.36)	0.302
Argentina	17858 (16268, 19586)	964.36 (820.3, 1116.82)	21140 (19082, 23321)	592.11 (492.88, 699.64)	-1.53 (-1.98, -1.08)	<0.00 1
Armenia	449 (400, 503)	378.75 (333.85, 423.81)	353 (304, 407)	146.01 (125.39, 169.13)	-3.04 (-3.69, -2.39)	<0.00 1
Australia	6719 (6197, 7301)	554.44 (477.11, 633.36)	16272 (14097, 18130)	521.01 (426.46, 617.64)	-0.29 (-0.9, 0.32)	0.354
Austria	1982 (1812, 2149)	258.1 (221.97, 298.66)	3454 (3016, 3846)	283.41 (233.19, 339.89)	0.32 (-0.27, 0.92)	0.284
Azerbaijan	2220 (1889, 2571)	1008.97 (816.09, 1226.74)	3132 (2282, 4121)	815.57 (587.57, 1076.18)	-0.61 (-0.89, -0.34)	<0.00 1
Bahamas	53 (48, 58)	646.68 (558.39, 741.32)	111 (91, 135)	572.69 (451.78, 715.31)	-0.24 (-0.72, 0.24)	0.329
Bahrain	38 (32, 45)	658.6 (502.41, 860.9)	93 (73, 120)	396.53 (289.9, 534.34)	-1.61 (-2.04, -1.18)	<0.00 1
Bangladesh	11896 (8088, 16105)	515.01 (335.9, 743.66)	28631 (19671, 40848)	391.15 (255.43, 575.12)	-0.69 (-1.06, -0.31)	<0.00 1
Barbados	161 (147, 174)	757.48 (662.24, 864)	217 (174, 264)	677.04 (525.82, 839.86)	-0.33 (-0.88, 0.23)	0.253
Belarus	1738 (1524, 1939)	256.06 (214.19, 301.96)	1949 (1573, 2416)	207.84 (157.89, 268.87)	-0.92 (-1.94, 0.11)	0.08
Belgium	4414 (3986, 4814)	458.87 (387.89, 531.36)	8273 (7246, 9233)	523.61 (425.41, 623.91)	0.46 (-0.04, 0.97)	0.072
Belize	13 (12, 14)	246.27 (214.8, 279.9)	36 (30, 41)	258.77 (211.26, 308.34)	0.2 (-0.45, 0.85)	0.547
Benin	421 (332, 528)	402.18 (295.59, 529.6)	1530 (1092, 2049)	672.82 (453.83, 937.81)	1.69 (1.54, 1.83)	<0.00 1
Bermuda	31 (28, 35)	899.23 (755.68, 1065.58)	47 (39, 56)	511.76 (400.53, 646.8)	-1.89 (-2.75, -1.02)	<0.00 1
Bhutan	54 (37, 74)	578.27 (362.1, 839.99)	158 (117, 209)	489.21 (330.15, 679.68)	-0.54 (-0.62, -0.46)	<0.00 1
Bolivia (Plurinational State of)	648 (489, 824)	425.75 (303.28, 573.92)	1738 (1275, 2324)	375.79 (264.24, 524.77)	-0.4 (-0.51, -0.3)	<0.00 1
Bosnia and Herzegovina	463 (384, 551)	272.01 (223.46, 328.94)	915 (684, 1160)	236.53 (177.27, 301.91)	-0.4 (-0.69, -0.11)	0.006
Botswana	340 (242, 448)	1426.87 (985.53, 1989.19)	687 (518, 899)	1154.22 (822.63, 1571.76)	-0.69 (-1.05, -0.32)	<0.00 1
Brazil	32974 (30925, 34574)	771.25 (708.03, 822.15)	74418 (67947, 79048)	530.23 (475.15, 571.76)	-1.14 (-1.4, -0.87)	<0.00 1
Brunei Darussalam	18 (14, 22)	404.19 (299.42, 524.28)	38 (29, 48)	277.41 (207.04, 364.9)	-1.3 (-2.06, -0.53)	0.001
Bulgaria	1648 (1520, 1787)	252.93 (225.78, 282.79)	2036 (1754, 2321)	199.35 (168.37, 233.21)	-1.08 (-1.36, -0.79)	<0.00 1
Burkina Faso	875 (677, 1099)	425.33 (313.19, 578.85)	3197 (2157, 4251)	737.96 (473.24, 1052.91)	1.83 (1.58, 2.08)	<0.00 1
Burundi	2490 (1801, 3198)	2113.73 (1455.55, 2831.49)	2527 (1829, 3348)	1378.47 (952.36, 1939.39)	-1.38 (-1.45, -1.3)	<0.00 1

Cabo Verde	188 (142, 229)	1271.15 (923.91, 1665.21)	387 (306, 483)	1958.2 (1406.58, 2648.44)	1.44 (0.34, 2.54)	0.01
Cambodia	952 (711, 1211)	484.26 (346.02, 651.86)	2135 (1562, 2895)	381.32 (265.29, 532.24)	-0.77 (-0.84, -0.71)	<0.00 1
Cameroon	875 (677, 1110)	459.78 (331.31, 620.67)	4163 (2788, 5728)	805.77 (517.94, 1158.69)	1.84 (1.7, 1.97)	<0.00 1
Canada	8987 (8164, 9725)	446.39 (380.35, 517.14)	22271 (19785, 24487)	459.72 (380, 543.37)	0.04 (-0.15, 0.24)	0.667
Central African Republic	585 (422, 747)	1455.94 (1000.97, 2007.26)	808 (561, 1072)	1210.26 (805.48, 1763.15)	-0.59 (-0.65, -0.53)	<0.00 1
Chad	514 (405, 634)	328.8 (241.09, 442.72)	1758 (1281, 2281)	711.58 (480.79, 983.63)	2.56 (2.41, 2.72)	<0.00 1
Chile	6593 (6011, 7175)	1219.07 (1050.78, 1412.2)	7941 (7023, 8749)	502.27 (417.42, 593.23)	-2.88 (-3.04, -2.73)	<0.00 1
China	1215571 (1006114, 1396453)	3118.35 (2531.21, 3589.58)	2411180 (1965137, 2870490)	2014.55 (1612.08, 2446)	-1.38 (-1.57, -1.19)	<0.00 1
Colombia	5343 (4900, 5783)	637.14 (549.2, 727.87)	8870 (7231, 10636)	277.91 (215.55, 348.42)	-2.7 (-3.3, -2.1)	<0.00 1
Comoros	163 (120, 211)	1931.83 (1334.33, 2669.7)	375 (279, 493)	1640.02 (1134.95, 2316.92)	-0.54 (-0.7, -0.38)	<0.00 1
Congo	804 (590, 1049)	1750.52 (1208.68, 2447.32)	1269 (957, 1654)	1299.28 (905.81, 1846.64)	-0.92 (-1.07, -0.77)	<0.00 1
Cook Islands	2 (2, 3)	404.31 (288.14, 547.29)	5 (4, 6)	319.58 (223.01, 445.2)	-0.81 (-1.21, -0.4)	<0.00 1
Costa Rica	356 (317, 391)	374.74 (314.61, 442.86)	708 (610, 812)	225.19 (181.94, 274.24)	-1.54 (-1.88, -1.2)	<0.00 1
Côte d'Ivoire	229 (184, 280)	164.53 (120.99, 215.56)	724 (555, 948)	168.96 (120.66, 230.29)	-1.28 (-2.03, -0.52)	0.001
Croatia	1107 (1015, 1210)	386.63 (332.92, 448.42)	1617 (1401, 1835)	267.72 (222.89, 318.66)	0.1 (-0.2, 0.41)	0.502
Cuba	3076 (2794, 3350)	492.05 (418.48, 574.89)	6141 (5204, 7186)	499.69 (401.07, 613.76)	-0.58 (-0.88, -0.27)	<0.00 1
Cyprus	95 (75, 117)	215.64 (150.2, 291.53)	246 (192, 312)	186.68 (135.93, 251.21)	0.53 (-0.15, 1.21)	0.127
Czechia	2329 (2102, 2567)	284.84 (246.78, 325.93)	5059 (4364, 5869)	328.09 (269.76, 394.71)	0.1 (-0.09, 0.29)	0.284
Democratic People's Republic of Korea	8313 (6082, 10924)	1234.11 (858.41, 1701.74)	16692 (12117, 22492)	952.72 (661.09, 1332.81)	-0.82 (-0.9, -0.74)	<0.00 1
Democratic Republic of the Congo	7100 (5078, 9555)	1185.89 (796.87, 1692.2)	12910 (8898, 18047)	1001.64 (657.14, 1513.18)	-0.55 (-0.69, -0.42)	<0.00 1
Denmark	3019 (2765, 3277)	545.87 (469.77, 624.04)	5184 (4537, 5745)	603.65 (496.09, 718.07)	0.28 (-0.25, 0.81)	0.305
Djibouti	80 (59, 108)	1789.81 (1245.32, 2520.81)	358 (241, 525)	1587.29 (1028.16, 2386.81)	-0.39 (-0.5, -0.28)	<0.00 1
Dominica	26 (22, 32)	680.85 (523.67, 884.2)	29 (24, 35)	645.92 (483.94, 869.1)	-0.17 (-0.28, -0.07)	0.001
Dominican Republic	426 (342, 531)	238.57 (181.87, 313.35)	1395 (1052, 1840)	251.26 (176.12, 348.14)	0.13 (-0.66, 0.93)	0.742
Ecuador	881 (797, 967)	326.11 (279.05, 381.16)	1881 (1510, 2337)	200.96 (153.13, 260.09)	-1.49 (-2.4, -0.57)	0.002
Egypt	1496 (1231, 2009)	155.9 (114.92, 212.27)	3555 (2787, 4528)	156.66 (113.95, 209.93)	0.01 (-0.34, 0.35)	0.971
El Salvador	419 (360, 482)	265.13 (214.84, 320.09)	884 (697, 1106)	231.24 (172.63, 300.85)	-0.45 (-1.49, 0.61)	0.404
Equatorial	112 (81, 145)	1414.57 (971.32, 1957.82)	221 (159, 309)	1145.65 (769.71, 1521.59)	-0.64 (-0.85, -0.42)	<0.00

Guinea		1922.02)		1658.64)		1
Eritrea	631 (417, 862)	2074.85 (1312.58, 2987.31)	1679 (1187, 2418)	1810.99 (1210.6, 2762.4)	-0.44 (-0.49, -0.39)	<0.00 1
Estonia	360 (330, 394)	312.41 (264.88, 363.35)	508 (432, 590)	282.42 (223.99, 348.43)	-0.41 (-1.17, 0.36)	0.293
Eswatini	222 (167, 279)	1807.12 (1269.58, 2417.37)	410 (296, 540)	1716.97 (1154.49, 2391.53)	-0.09 (-0.41, 0.23)	0.585
Ethiopia	9226 (6588, 12016)	1088.45 (760.33, 1453.79)	13645 (10983, 18062)	688.34 (534.68, 927.79)	-1.47 (-1.53, -1.42)	<0.00 1
Fiji	38 (29, 48)	289.16 (202.28, 394.14)	106 (76, 142)	347.15 (222.75, 499.08)	0.61 (0.3, 0.92)	<0.00 1
Finland	1987 (1820, 2131)	432.17 (377.1, 487.18)	3389 (2991, 3699)	362.09 (302.44, 420.23)	-0.52 (-0.74, -0.31)	<0.00 1
France	36227 (32529, 39086)	731.06 (621.7, 847.28)	42926 (36944, 48076)	430.35 (346.39, 516.85)	-1.66 (-2.13, -1.18)	<0.00 1
Gabon	428 (309, 540)	1478.81 (1001.28, 2042.22)	542 (394, 685)	1320.71 (910.23, 1812.59)	-0.31 (-0.43, -0.19)	<0.00 1
Gambia	30 (23, 39)	189.22 (136.3, 254.77)	114 (84, 145)	249.33 (174.32, 340.39)	0.91 (0.48, 1.35)	<0.00 1
Georgia	863 (737, 1004)	260.85 (221.07, 304.06)	529 (443, 625)	149.61 (124.7, 177.31)	-1.97 (-2.8, -1.12)	<0.00 1
Germany	23586 (21639, 25489)	291.69 (252.07, 334.95)	56840 (49492, 62930)	437.82 (361.53, 522.82)	1.41 (0.8, 2.02)	<0.00 1
Ghana	847 (641, 1063)	319.5 (225.39, 427.41)	3617 (2304, 4904)	512.16 (311.01, 738.01)	1.53 (1.41, 1.66)	<0.00 1
Greece	3101 (2836, 3333)	323.59 (281.78, 365.8)	3310 (2907, 3602)	186.16 (157, 213.32)	-1.82 (-2.12, -1.52)	<0.00 1
Greenland	24 (20, 30)	1890.39 (1476.53, 2396.21)	40 (29, 55)	1293.37 (935.03, 1808.97)	-1.09 (-1.31, -0.88)	<0.00 1
Grenada	35 (31, 39)	729.34 (605.23, 873.07)	37 (31, 43)	584.55 (467, 726.03)	-0.52 (-3.25, 2.28)	0.712
Guam	8 (7, 9)	305.65 (234.9, 389.45)	23 (18, 27)	185.49 (136.41, 241.01)	-1.27 (-1.78, -0.76)	<0.00 1
Guatemala	568 (528, 610)	407.81 (360.21, 457.37)	1530 (1300, 1789)	260.44 (213.47, 312.31)	-1.5 (-2.49, -0.5)	0.003
Guinea	261 (201, 327)	152.89 (109.48, 204.21)	463 (334, 627)	174.56 (116.78, 250.4)	0.45 (0.35, 0.55)	<0.00 1
Guinea-Bissau	96 (72, 121)	541.52 (383.59, 727.4)	240 (171, 302)	891.85 (607.02, 1229.94)	1.63 (1.51, 1.75)	<0.00 1
Guyana	46 (41, 52)	260.35 (218.18, 309.6)	65 (51, 81)	223.22 (167.83, 287.19)	-0.35 (-0.81, 0.12)	0.145
Haiti	880 (645, 1115)	641.47 (442.82, 877.15)	1474 (1045, 2041)	507.87 (342.16, 720.28)	-0.72 (-0.81, -0.64)	<0.00 1
Honduras	142 (117, 172)	145.14 (108.58, 191.17)	736 (567, 945)	232.96 (165.31, 317.14)	1.58 (1.3, 1.86)	<0.00 1
Hungary	2366 (2139, 2623)	281.96 (238.53, 330.14)	3446 (2971, 3955)	260.7 (217.55, 311.19)	-0.14 (-0.66, 0.39)	0.607
Iceland	104 (92, 113)	571.01 (478.07, 670.48)	186 (158, 211)	483.86 (388.57, 581.5)	-0.48 (-1.34, 0.4)	0.287
India	71154 (59978, 91619)	380.59 (314.89, 493.64)	217559 (190369, 272326)	360.54 (311.73, 455.18)	-0.14 (-0.55, 0.28)	0.518
Indonesia	8642 (6365, 10826)	221.19 (161.25, 284.91)	21273 (16474, 26334)	218.53 (166.75, 276.6)	-0.04 (-0.09, 0)	0.064
Iran (Islamic Republic of)	7017 (6018, 7901)	733.79 (617.78, 834.3)	21493 (19145, 23633)	587.8 (512.95, 653.45)	-0.75 (-0.9, -0.6)	<0.00 1
Iraq	557 (416, 726)	140.82 (102.73, 188.83)	1639 (1203, 2146)	163.53 (117.75, 218.71)	0.53 (0.35, 0.71)	<0.00 1

Ireland	2833 (2575, 3088)	1052.46 (897.12, 1209.91)	3934 (3340, 4437)	753.34 (614.44, 908.7)	-1.06 (-1.46, -0.67)	<0.00 1
Israel	893 (800, 987)	293.85 (248.18, 344.09)	1625 (1414, 1813)	193.36 (156.88, 229.56)	-1.37 (-2.23, -0.5)	0.002
Italy	20884 (19200, 21882)	376.26 (343.15, 401.3)	22374 (19533, 24018)	212.31 (186.13, 230.5)	-1.86 (-2.2, -1.52)	<0.00 1
Jamaica	485 (440, 537)	417.91 (347.73, 490.02)	711 (559, 887)	401.35 (293.96, 525.99)	0.54 (-1.75, 2.89)	0.647
Japan	62874 (58726, 65231)	633.55 (585.32, 663.6)	159497 (140751, 169569)	565.84 (503.52, 604.25)	-0.38 (-0.58, -0.17)	<0.00 1
Jordan	75 (60, 95)	150.43 (109.49, 202.48)	379 (287, 483)	123.68 (86.96, 170.77)	-0.61 (-1.17, -0.05)	0.033
Kazakhstan	15130 (13737, 16631)	2511.85 (2223.81, 2804.17)	5496 (4702, 6319)	666.83 (566.39, 773.85)	-4.15 (-4.83, -3.47)	<0.00 1
Kenya	4107 (2938, 6083)	1084.69 (769.84, 1623.4)	15284 (11007, 21759)	1603.08 (1138.88, 2299.66)	1.27 (1.13, 1.41)	<0.00 1
Kiribati	11 (8, 14)	715.98 (492.33, 994.54)	16 (11, 20)	648.55 (416, 905.5)	-0.31 (-0.37, -0.25)	<0.00 1
Kuwait	48 (42, 53)	237.23 (195.78, 283.45)	147 (118, 182)	146.34 (109.89, 191.52)	-1.31 (-2.95, 0.36)	0.123
Kyrgyzstan	1395 (1223, 1579)	980.74 (811.04, 1158.87)	770 (638, 915)	405.03 (319.6, 505.51)	-2.67 (-3.14, -2.19)	<0.00 1
Lao People's Democratic Republic	452 (328, 608)	474.17 (318.27, 663.99)	622 (456, 867)	317.53 (217.42, 457.87)	-1.29 (-1.35, -1.24)	<0.00 1
Latvia	589 (527, 653)	287.97 (247.63, 335.62)	688 (580, 803)	259.91 (207.57, 317.33)	-0.06 (-1.01, 0.91)	0.904
Lebanon	168 (130, 212)	174.88 (128.6, 236.17)	520 (410, 645)	134.07 (97.11, 180.42)	-0.8 (-0.99, -0.62)	<0.00 1
Lesotho	556 (415, 729)	1255.46 (873.27, 1765.81)	880 (632, 1148)	1711.14 (1154, 2367.23)	1.05 (0.77, 1.33)	<0.00 1
Liberia	252 (192, 328)	406.11 (294.08, 550.35)	602 (402, 842)	743.13 (479.27, 1076.43)	1.96 (1.89, 2.04)	<0.00 1
Libya	155 (112, 206)	179.02 (120.11, 253.61)	462 (330, 603)	210.87 (145.16, 298.53)	0.55 (0.17, 0.93)	0.005
Lithuania	720 (657, 785)	289.79 (245.67, 335.91)	1122 (957, 1304)	303.25 (244.76, 369.29)	0.11 (-0.18, 0.4)	0.465
Luxembourg	185 (171, 199)	543.93 (475.37, 619.05)	279 (247, 309)	415.3 (347.35, 482.69)	-0.9 (-1.46, -0.34)	0.002
Madagascar	3716 (2756, 4617)	1671.18 (1175.8, 2225.06)	5071 (3447, 6999)	1352.73 (891.13, 1967.2)	-0.69 (-0.84, -0.54)	<0.00 1
Malawi	3992 (3167, 4955)	2501.58 (1828.02, 3239.09)	10177 (8025, 12711)	3157.13 (2288, 4203.9)	0.77 (0.63, 0.91)	<0.00 1
Malaysia	1535 (1262, 1865)	354.35 (263.49, 466.46)	4900 (4010, 5844)	342.49 (257.07, 442.59)	-0.35 (-0.64, -0.06)	0.017
Maldives	11 (9, 14)	351.98 (250.91, 478.46)	23 (18, 29)	169.14 (122.66, 223.72)	-2.54 (-2.8, -2.29)	<0.00 1
Mali	519 (432, 631)	303.35 (228.29, 398.52)	1241 (919, 1622)	324.28 (223.04, 447.91)	0.27 (0.02, 0.53)	0.037
Malta	94 (84, 103)	374.04 (315.04, 441.6)	191 (165, 219)	268.1 (217.14, 326)	-1.14 (-1.71, -0.56)	<0.00 1
Marshall Islands	2 (2, 3)	324.02 (214.53, 467.71)	4 (3, 5)	307.32 (208.07, 438.58)	-0.17 (-0.27, -0.07)	0.001
Mauritania	248 (183, 326)	454.28 (317.86, 628.2)	774 (541, 1050)	751.33 (490.61, 1058.09)	1.66 (1.37, 1.94)	<0.00 1
Mauritius	146 (134, 158)	434.76 (381.25, 488.28)	377 (341, 411)	374.8 (322.22, 428.08)	-0.55 (-2.81, 1.77)	0.641

Mexico	6878 (6580, 7063)	338.93 (322.14, 352.49)	13543 (11903, 15221)	200.35 (174.63, 226.8)	-1.69 (-1.79, -1.58)	<0.00 1
Micronesia (Federated States of)	9 (7, 11)	370.2 (265.23, 506.27)	8 (6, 10)	308.97 (215.79, 435.13)	-0.58 (-0.63, -0.54)	<0.00 1
Monaco	31 (23, 40)	611.63 (422.2, 829.09)	51 (40, 63)	701.39 (508.14, 923.28)	0.45 (0.35, 0.54)	<0.00 1
Mongolia	1768 (1373, 2284)	3377.24 (2486.12, 4497.56)	2348 (1808, 2973)	2743.47 (2081.97, 3501.44)	-0.78 (-1.14, -0.41)	<0.00 1
Montenegro	55 (44, 69)	170.8 (137.2, 215.71)	137 (108, 172)	237.01 (186.86, 297.62)	1.17 (0.76, 1.58)	<0.00 1
Morocco	761 (593, 944)	105.92 (77.45, 143.21)	1932 (1456, 2443)	115.95 (81.92, 156.38)	0.29 (0.16, 0.41)	<0.00 1
Mozambique	2813 (2174, 3519)	1132.66 (789.66, 1528.43)	5622 (4232, 7091)	1272.29 (891.36, 1740.68)	0.42 (0.33, 0.52)	<0.00 1
Myanmar	4403 (3230, 5574)	428.18 (294.68, 582.35)	6519 (5017, 8750)	288.51 (202.63, 413.68)	-1.27 (-1.34, -1.2)	<0.00 1
Namibia	74 (59, 92)	262.49 (192.18, 350.44)	160 (124, 196)	257.17 (187.82, 343.89)	-0.06 (-0.24, 0.13)	0.555
Nauru	1 (1, 1)	475.1 (320.09, 665.92)	1 (1, 1)	360.13 (240.98, 507.47)	-0.87 (-0.93, -0.82)	<0.00 1
Nepal	2067 (1516, 2667)	549.68 (381.79, 762.63)	5749 (4129, 7984)	489.86 (331.06, 717.92)	-0.35 (-0.46, -0.25)	<0.00 1
Netherlands	7751 (7023, 8406)	605.97 (518.6, 698.22)	21487 (18899, 23866)	876.21 (727.98, 1040.39)	1.18 (0.7, 1.67)	<0.00 1
New Zealand	1666 (1508, 1811)	673.18 (570.52, 773.66)	2796 (2496, 3075)	494.28 (411.77, 579.94)	-1.05 (-1.29, -0.82)	<0.00 1
Nicaragua	112 (94, 129)	152.14 (117.29, 195.04)	299 (240, 362)	120.05 (87.34, 158.29)	-0.8 (-1.37, -0.23)	0.006
Niger	387 (290, 488)	359.31 (250.29, 488.93)	2056 (1369, 2724)	581.8 (369.44, 817.13)	1.6 (1.4, 1.8)	<0.00 1
Nigeria	7429 (5881, 9526)	345.36 (272.83, 440.28)	23950 (16707, 29992)	633.03 (440.12, 796.79)	1.98 (1.83, 2.13)	<0.00 1
Niue	0 (0, 1)	288.19 (206.7, 391.27)	0 (0, 0)	304.21 (216.81, 414.44)	0.16 (0.14, 0.19)	<0.00 1
North Macedonia	147 (126, 171)	165.46 (133.13, 202.76)	307 (245, 366)	165.01 (128.03, 204.27)	0 (-0.35, 0.34)	0.984
Northern Mariana Islands	1 (1, 1)	177.84 (128.58, 242.05)	7 (5, 10)	350.45 (243.06, 485.94)	2.27 (1.75, 2.78)	<0.00 1
Norway	1548 (1443, 1623)	317.92 (291.45, 339.65)	2836 (2546, 3035)	409.14 (363.05, 446.61)	1.01 (0.63, 1.4)	<0.00 1
Oman	76 (55, 100)	252.95 (174.17, 350.17)	162 (122, 202)	231.32 (162.48, 313.4)	-0.23 (-1.04, 0.58)	0.575
Pakistan	21673 (17455, 26025)	750.68 (579.3, 939.73)	40334 (32422, 51067)	785.83 (604.33, 1022.15)	0.15 (0.04, 0.27)	0.011
Palau	2 (1, 2)	417.89 (302.4, 578.21)	3 (2, 4)	376.55 (269.51, 508.79)	-0.38 (-0.48, -0.28)	<0.00 1
Palestine	90 (64, 119)	214.38 (146.23, 294.41)	146 (113, 189)	141.96 (105.89, 188.04)	-1.39 (-1.7, -1.09)	<0.00 1
Panama	236 (214, 258)	293.19 (251.7, 333.57)	489 (375, 596)	186.92 (140.5, 232.44)	-1.41 (-2.09, -0.72)	<0.00 1
Papua New Guinea	154 (101, 225)	249.28 (161.04, 381.51)	380 (255, 564)	215.43 (141.92, 326.61)	-0.46 (-0.56, -0.36)	<0.00 1
Paraguay	465 (377, 566)	399.37 (301.61, 525.3)	1511 (1131, 2002)	502.24 (347.15, 708.61)	0.93 (0.72, 1.14)	<0.00 1
Peru	1659 (1360, 2002)	276.01 (208.72, 361.48)	3964 (3055, 5211)	209.66 (147.41, 293.38)	-0.81 (-1.99, 0.38)	0.183

Philippines	2041 (1795, 2348)	159.8 (138.4, 187.2)	5782 (4868, 6757)	157.24 (131.43, 187.8)	0.04 (-0.14, 0.23)	0.632
Poland	9492 (8983, 9929)	388.61 (364.23, 409.98)	14630 (13200, 15929)	315.63 (281.4, 345.82)	-0.6 (-1.09, -0.1)	0.019
Portugal	4872 (4434, 5331)	569.73 (488.89, 664.74)	5210 (4513, 5827)	291.75 (235.59, 353.87)	-2.04 (-2.29, -1.78)	<0.00 1
Puerto Rico	1799 (1624, 1971)	805.5 (689.92, 943.22)	1499 (1224, 1773)	289.29 (226.66, 360)	-3.51 (-4.26, -2.76)	<0.00 1
Qatar	22 (17, 28)	923.24 (666, 1263.99)	80 (59, 106)	459.69 (318.52, 653.71)	-2.24 (-3.49, -0.97)	0.001
Republic of Korea	8538 (6629, 10659)	645.63 (486.12, 833.02)	18974 (14465, 24430)	340.53 (246.64, 457.04)	-2.07 (-2.28, -1.85)	<0.00 1
Republic of Moldova	549 (506, 596)	258.16 (226.14, 294.1)	572 (503, 648)	169.41 (143.25, 198.79)	-1.41 (-2.03, -0.8)	<0.00 1
Romania	2035 (1865, 2203)	143.45 (122.93, 166.79)	4847 (4173, 5443)	196.21 (158.08, 234.41)	1.13 (0.56, 1.7)	<0.00 1
Russian Federation	49188 (47248, 50721)	503.91 (479.24, 523.56)	43549 (39878, 47093)	307.7 (279, 334.58)	-1.54 (-2.1, -0.99)	<0.00 1
Rwanda	2657 (1822, 3453)	2272.6 (1520.2, 3101.33)	3779 (2762, 5036)	1515.61 (1033.5, 2146.31)	-1.31 (-1.41, -1.21)	<0.00 1
Saint Kitts and Nevis	16 (14, 17)	579.63 (507.75, 656.71)	14 (12, 17)	510.57 (412.94, 624.92)	-0.34 (-1.14, 0.47)	0.408
Saint Lucia	33 (31, 36)	651.33 (571.51, 741.68)	69 (58, 83)	512.28 (406.73, 634.85)	-0.74 (-1.05, -0.43)	<0.00 1
Saint Vincent and the Grenadines	13 (12, 15)	304.5 (260.98, 349.99)	24 (20, 27)	296.06 (244.17, 352.13)	-0.12 (-0.58, 0.34)	0.604
Samoa	6 (5, 8)	161.03 (114.75, 227.89)	9 (7, 12)	134.78 (92.2, 191.49)	-0.57 (-0.64, -0.5)	<0.00 1
San Marino	5 (4, 6)	199.86 (143.34, 274.66)	6 (4, 8)	107.94 (67.61, 161.43)	-2.33 (-2.6, -2.05)	<0.00 1
Sao Tome and Principe	10 (8, 12)	291.29 (213.72, 393.29)	29 (21, 36)	621.61 (417.87, 853.37)	2.49 (2.27, 2.71)	<0.00 1
Saudi Arabia	786 (582, 1046)	312.24 (217.54, 437.54)	1349 (1056, 1692)	258.28 (190.02, 343.9)	-0.58 (-0.72, -0.45)	<0.00 1
Senegal	608 (477, 750)	388.42 (282.16, 516.13)	2527 (1816, 3251)	701.57 (474.66, 972.15)	1.96 (1.82, 2.1)	<0.00 1
Serbia	1225 (944, 1584)	262.63 (197.2, 346.71)	2378 (1795, 3152)	223.03 (164.03, 298.23)	-0.45 (-0.84, -0.06)	0.022
Seychelles	18 (15, 21)	522.4 (393.35, 676.36)	30 (24, 36)	541.65 (393.2, 716.79)	-0.29 (-1.65, 1.08)	0.677
Sierra Leone	406 (318, 515)	364.89 (269.09, 497.08)	1116 (770, 1478)	635.54 (419.37, 898.08)	1.84 (1.68, 2)	<0.00 1
Singapore	614 (558, 672)	569.29 (483.88, 667.88)	1237 (1074, 1371)	256.42 (208.46, 307.52)	-2.61 (-4.5, -0.69)	0.008
Slovakia	1023 (841, 1221)	309.81 (239.51, 399.62)	1656 (1338, 2105)	274.73 (201.29, 364.37)	-0.36 (-0.73, 0.01)	0.06
Slovenia	438 (398, 477)	316.08 (270.68, 370.67)	727 (619, 829)	244.78 (197.2, 299.15)	-0.89 (-1.33, -0.45)	<0.00 1
Solomon Islands	16 (12, 22)	336.45 (237.41, 474.29)	36 (27, 48)	280.57 (187.57, 406.39)	-0.58 (-0.73, -0.42)	<0.00 1
Somalia	1582 (1126, 2061)	2174.83 (1434.58, 3011.43)	3665 (2559, 4866)	1793.09 (1175.82, 2550.09)	-0.6 (-0.68, -0.52)	<0.00 1
South Africa	11143 (9513, 14333)	1102.95 (918.11, 1437.44)	26195 (23615, 29379)	1189.37 (1034.43, 1363.37)	0.25 (-0.28, 0.78)	0.352
South Sudan	2743 (2011, 3771)	2070.04 (1415.34, 2951.28)	2629 (1944, 3542)	1847.29 (1281.21, 2637.71)	-0.37 (-0.45, -0.29)	<0.00 1

Spain	14115 (12879, 15220)	409.15 (347.56, 474.14)	17593 (15344, 19460)	264.66 (214.23, 316.12)	-1.36 (-1.7, -1.02)	<0.00 1
Sri Lanka	3748 (3025, 4632)	754.45 (563.98, 1005.81)	7966 (5237, 10941)	518.67 (328.23, 749.18)	-1.14 (-1.49, -0.78)	<0.00 1
Sudan	2990 (1932, 4138)	611.18 (378.56, 900.68)	5281 (3674, 7101)	611.55 (395.16, 872.12)	0.01 (-0.06, 0.08)	0.798
Suriname	26 (23, 30)	217.38 (168.7, 278.69)	58 (43, 76)	174.33 (117.05, 244.46)	-0.44 (-1.2, 0.32)	0.257
Sweden	4024 (3664, 4332)	368.3 (316.37, 421.25)	6034 (5218, 6831)	375.57 (306.83, 447.25)	0.06 (-0.84, 0.96)	0.896
Switzerland	3442 (3101, 3753)	496.37 (423.81, 573.63)	4783 (4035, 5297)	379.48 (307.3, 448.31)	-0.84 (-1.33, -0.34)	0.001
Syrian Arab Republic	256 (203, 317)	115.19 (87.96, 149.96)	717 (543, 929)	127.6 (93.25, 172.53)	0.28 (-0.02, 0.58)	0.064
Taiwan (Province of China)	7345 (6628, 8111)	972.61 (833.13, 1125.59)	13439 (11831, 14976)	534.79 (448.3, 626.31)	-1.94 (-2.73, -1.14)	<0.00 1
Tajikistan	1954 (1593, 2397)	1535.88 (1195.95, 1948.02)	1987 (1453, 2544)	997.59 (710.73, 1322.16)	-1.45 (-1.91, -0.99)	<0.00 1
Thailand	8455 (6404, 11265)	546.34 (381.16, 767.77)	25691 (18872, 33739)	416.89 (282.38, 581.32)	-0.85 (-1.15, -0.56)	<0.00 1
Timor-Leste	27 (20, 36)	317.36 (215.66, 442.34)	128 (93, 172)	276.29 (191.91, 382.63)	-0.47 (-0.67, -0.27)	<0.00 1
Togo	203 (160, 258)	386.33 (287.38, 517.76)	1115 (733, 1508)	739.25 (475.22, 1050.4)	2.13 (1.93, 2.34)	<0.00 1
Tokelau	0 (0, 0)	289.19 (186.82, 415.05)	0 (0, 0)	236.44 (161.2, 329.94)	-0.64 (-0.74, -0.55)	<0.00 1
Tonga	7 (5, 9)	272 (188.11, 387.44)	11 (9, 15)	262.93 (181.21, 373.49)	-0.12 (-0.5, 0.25)	0.519
Trinidad and Tobago	139 (128, 151)	297.27 (259.29, 339.96)	260 (201, 328)	231.42 (172.76, 300.37)	-0.62 (-1.02, -0.22)	0.002
Tunisia	236 (188, 297)	96.46 (70.37, 128.78)	651 (463, 889)	93.28 (61.66, 135.3)	-0.14 (-0.28, -0.01)	0.039
Turkey	4662 (3846, 5660)	310.46 (228, 410.1)	11120 (8557, 13974)	219.86 (154.14, 294.28)	-3.69 (-4.62, -2.76)	<0.00 1
Turkmenistan	3258 (2949, 3560)	3800.28 (3384.46, 4215.24)	1743 (1364, 2211)	1125.78 (872.8, 1429.29)	-0.6 (-0.66, -0.55)	<0.00 1
Tuvalu	1 (1, 1)	307.42 (218.89, 421.32)	1 (1, 2)	254.5 (179.44, 352.37)	-1.04 (-1.51, -0.58)	<0.00 1
Uganda	5523 (4336, 6954)	1829.72 (1321.17, 2450.6)	11399 (8766, 14922)	1875.12 (1327.64, 2568.27)	0.08 (-0.02, 0.19)	0.116
Ukraine	10117 (9257, 11019)	250.93 (216.36, 288.97)	6824 (4943, 9238)	143.06 (100.05, 197.4)	-1.82 (-2.56, -1.08)	<0.00 1
United Arab Emirates	41 (31, 54)	332.78 (235.02, 465.07)	244 (188, 321)	476.91 (345.59, 641.25)	1.14 (-2.38, 4.77)	0.531
United Kingdom	60582 (57135, 62430)	968.54 (911.76, 1003.83)	94821 (85935, 99633)	1022.14 (927.05, 1078.42)	0.17 (-0.01, 0.34)	0.066
United Republic of Tanzania	9804 (7408, 12621)	1940.48 (1383.37, 2639.69)	16515 (12052, 22160)	1480.51 (1032.46, 2089.7)	-0.86 (-0.93, -0.78)	<0.00 1
United States of America	86331 (80211, 89606)	410.09 (379.9, 428.56)	175296 (159883, 184294)	457.69 (413.29, 484.85)	0.28 (0.21, 0.35)	<0.00 1
United States Virgin Islands	17 (14, 20)	423.63 (313.76, 547.57)	36 (27, 46)	282.53 (196.67, 393.69)	-1.24 (-1.66, -0.83)	<0.00 1
Uruguay	2836 (2588, 3080)	1154.82 (986.26, 1338.58)	2975 (2658, 3260)	789.74 (655.72, 934.22)	-1.29 (-2.31, -0.26)	0.014
Uzbekistan	9271 (8105, 10465)	1700.16 (1390.99, 2037.37)	5028 (4181, 5935)	527.39 (419.17, 647.71)	-3.83 (-4.76, -2.9)	<0.00 1
Vanuatu	7 (5, 10)	307.87 (208.37, 407.37)	18 (13, 25)	275.94 (192.54, 359.34)	-0.34 (-0.44, -0.24)	<0.00

		437.22)		386.25)		1
Venezuela (Bolivarian Republic of)	1763 (1623, 1881)	371.08 (322.67, 419.51)	3821 (2859, 5017)	239.44 (174.91, 320.05)	-1.35 (-2.2, -0.49)	0.002
Viet Nam	4790 (3707, 6064)	231.84 (163.11, 320.24)	10409 (8184, 13018)	232.47 (162.87, 320.18)	0.03 (-0.05, 0.11)	0.463
Yemen	1300 (712, 1881)	639.16 (335.84, 1000.78)	3308 (1820, 4739)	548.19 (294.84, 817.83)	-0.48 (-0.55, -0.4)	<0.00 1
Zambia	2707 (2129, 3409)	2258.77 (1610.03, 3103.94)	5409 (3784, 7674)	1966.5 (1310.74, 2998.46)	-0.43 (-0.58, -0.28)	<0.00 1
Zimbabwe	3121 (2456, 3827)	1670.96 (1229.83, 2179.23)	5769 (4562, 7090)	2060.26 (1513.18, 2742.41)	0.71 (0.5, 0.92)	<0.00 1

Notes: ASDR rates are reported per 100,000 population.

Abbreviations: DALYs, disability-adjusted life-years; ASDR, age-standardized disability-adjusted life year rate; EOEC, early-onset esophageal cancer; MOEC, middle-onset esophageal cancer; LOEC, late-onset esophageal cancer; AAPC, average annual percentage change; UI, uncertainty interval; CI, confidence interval.

Supplementary Table S7. List of countries/territories with top 5 significantly increased EAPC of ASIR, ASMR and ASDR in EOEC, MOEC and LOEC, by gender, from 1990 to 2021.

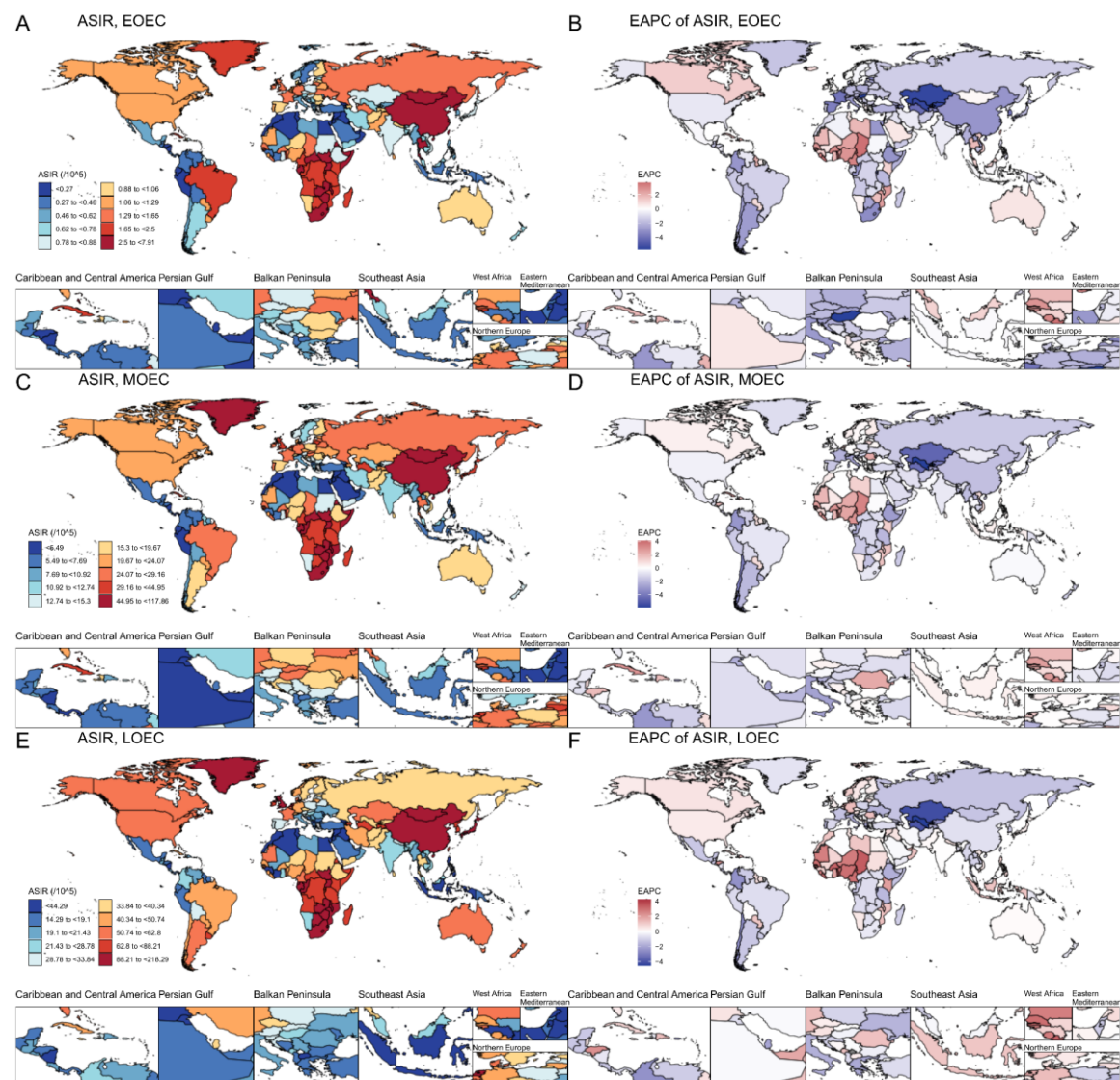
Group	Measure	Gender	Country/Territory	EAPC (95% CI), 1990-2021	P value
EOEC	ASIR	Both	Chad	3.04 (2.8, 3.28)	<0.001
EOEC	ASIR	Both	Togo	2.98 (2.72, 3.24)	<0.001
EOEC	ASIR	Both	Liberia	2.97 (2.6, 3.33)	<0.001
EOEC	ASIR	Both	Lesotho	2.89 (2.27, 3.51)	<0.001
EOEC	ASIR	Both	Northern Mariana Islands	2.76 (2.13, 3.39)	<0.001
EOEC	ASIR	Both	Sierra Leone	2.76 (2.44, 3.09)	<0.001
EOEC	ASIR	Male	Togo	3.68 (3.39, 3.98)	<0.001
EOEC	ASIR	Male	Chad	3.67 (3.43, 3.91)	<0.001
EOEC	ASIR	Male	Liberia	3.65 (3.23, 4.08)	<0.001
EOEC	ASIR	Male	Northern Mariana Islands	3.38 (2.65, 4.12)	<0.001
EOEC	ASIR	Male	Cameroon	3.18 (2.94, 3.42)	<0.001
EOEC	ASIR	Female	Zimbabwe	3.65 (2.49, 4.82)	<0.001
EOEC	ASIR	Female	Lesotho	3.14 (2.35, 3.93)	<0.001
EOEC	ASIR	Female	Sierra Leone	1.83 (1.56, 2.09)	<0.001
EOEC	ASIR	Female	Chad	1.29 (1.11, 1.46)	<0.001
EOEC	ASIR	Female	Taiwan (Province of China)	1.16 (0.81, 1.5)	<0.001
EOEC	ASMR	Both	Chad	3.04 (2.8, 3.27)	<0.001
EOEC	ASMR	Both	Togo	2.97 (2.7, 3.23)	<0.001
EOEC	ASMR	Both	Liberia	2.94 (2.58, 3.29)	<0.001
EOEC	ASMR	Both	Lesotho	2.9 (2.28, 3.52)	<0.001
EOEC	ASMR	Both	Sierra Leone	2.74 (2.42, 3.06)	<0.001
EOEC	ASMR	Male	Chad	3.66 (3.41, 3.91)	<0.001
EOEC	ASMR	Male	Togo	3.66 (3.36, 3.96)	<0.001
EOEC	ASMR	Male	Liberia	3.62 (3.19, 4.06)	<0.001
EOEC	ASMR	Male	Northern Mariana Islands	3.29 (2.56, 4.02)	<0.001
EOEC	ASMR	Male	Cameroon	3.17 (2.92, 3.41)	<0.001
EOEC	ASMR	Female	Zimbabwe	3.7 (2.53, 4.88)	<0.001
EOEC	ASMR	Female	Lesotho	3.14 (2.34, 3.94)	<0.001
EOEC	ASMR	Female	Sierra Leone	1.82 (1.55, 2.09)	<0.001
EOEC	ASMR	Female	Chad	1.26 (1.08, 1.43)	<0.001
EOEC	ASMR	Female	American Samoa	1.07 (0.55, 1.59)	<0.001
EOEC	ASDR	Both	Chad	3.02 (2.79, 3.25)	<0.001
EOEC	ASDR	Both	Liberia	2.96 (2.6, 3.33)	<0.001
EOEC	ASDR	Both	Togo	2.94 (2.68, 3.21)	<0.001
EOEC	ASDR	Both	Lesotho	2.91 (2.29, 3.53)	<0.001
EOEC	ASDR	Both	Sierra Leone	2.77 (2.44, 3.09)	<0.001
EOEC	ASDR	Male	Chad	3.67 (3.43, 3.92)	<0.001
EOEC	ASDR	Male	Togo	3.67 (3.37, 3.96)	<0.001

EOEC	ASDR	Male	Liberia	3.66 (3.23, 4.09)	<0.001
EOEC	ASDR	Male	Northern Mariana Islands	3.27 (2.55, 4)	<0.001
EOEC	ASDR	Male	Cameroon	3.19 (2.95, 3.43)	<0.001
EOEC	ASDR	Female	Zimbabwe	3.72 (2.56, 4.9)	<0.001
EOEC	ASDR	Female	Lesotho	3.15 (2.35, 3.95)	<0.001
EOEC	ASDR	Female	Sierra Leone	1.83 (1.56, 2.1)	<0.001
EOEC	ASDR	Female	Chad	1.29 (1.13, 1.46)	<0.001
EOEC	ASDR	Female	American Samoa	1.23 (0.71, 1.76)	<0.001
MOEC	ASIR	Both	Northern Mariana Islands	3.24 (2.63, 3.85)	<0.001
MOEC	ASIR	Both	Chad	3.01 (2.8, 3.22)	<0.001
MOEC	ASIR	Both	Togo	2.71 (2.49, 2.94)	<0.001
MOEC	ASIR	Both	Sao Tome and Principe	2.6 (2.43, 2.78)	<0.001
MOEC	ASIR	Both	Sierra Leone	2.55 (2.24, 2.86)	<0.001
MOEC	ASIR	Male	Northern Mariana Islands	4.04 (3.39, 4.7)	<0.001
MOEC	ASIR	Male	Sao Tome and Principe	3.52 (3.25, 3.79)	<0.001
MOEC	ASIR	Male	Togo	3.52 (3.24, 3.81)	<0.001
MOEC	ASIR	Male	Chad	3.34 (3.11, 3.56)	<0.001
MOEC	ASIR	Male	Liberia	3.1 (2.71, 3.5)	<0.001
MOEC	ASIR	Female	Zimbabwe	2.78 (1.87, 3.71)	<0.001
MOEC	ASIR	Female	Lesotho	2.47 (1.79, 3.15)	<0.001
MOEC	ASIR	Female	Sierra Leone	2.06 (1.78, 2.34)	<0.001
MOEC	ASIR	Female	Chad	1.86 (1.68, 2.04)	<0.001
MOEC	ASIR	Female	Netherlands	1.24 (0.95, 1.54)	<0.001
MOEC	ASMR	Both	Northern Mariana Islands	3.2 (2.59, 3.81)	<0.001
MOEC	ASMR	Both	Chad	3.01 (2.8, 3.22)	<0.001
MOEC	ASMR	Both	Togo	2.69 (2.47, 2.92)	<0.001
MOEC	ASMR	Both	Sao Tome and Principe	2.57 (2.4, 2.74)	<0.001
MOEC	ASMR	Both	Sierra Leone	2.53 (2.23, 2.84)	<0.001
MOEC	ASMR	Male	Northern Mariana Islands	3.98 (3.34, 4.64)	<0.001
MOEC	ASMR	Male	Togo	3.5 (3.22, 3.78)	<0.001
MOEC	ASMR	Male	Sao Tome and Principe	3.49 (3.21, 3.76)	<0.001
MOEC	ASMR	Male	Chad	3.32 (3.1, 3.55)	<0.001
MOEC	ASMR	Male	Liberia	3.08 (2.69, 3.47)	<0.001
MOEC	ASMR	Female	Zimbabwe	2.8 (1.89, 3.73)	<0.001
MOEC	ASMR	Female	Lesotho	2.45 (1.78, 3.13)	<0.001
MOEC	ASMR	Female	Sierra Leone	2.05 (1.77, 2.33)	<0.001
MOEC	ASMR	Female	Chad	1.86 (1.68, 2.04)	<0.001
MOEC	ASMR	Female	Togo	1.11 (0.92, 1.31)	<0.001
MOEC	ASDR	Both	Northern Mariana Islands	3.14 (2.53, 3.75)	<0.001
MOEC	ASDR	Both	Chad	3.01 (2.8, 3.22)	<0.001
MOEC	ASDR	Both	Togo	2.73 (2.5, 2.96)	<0.001

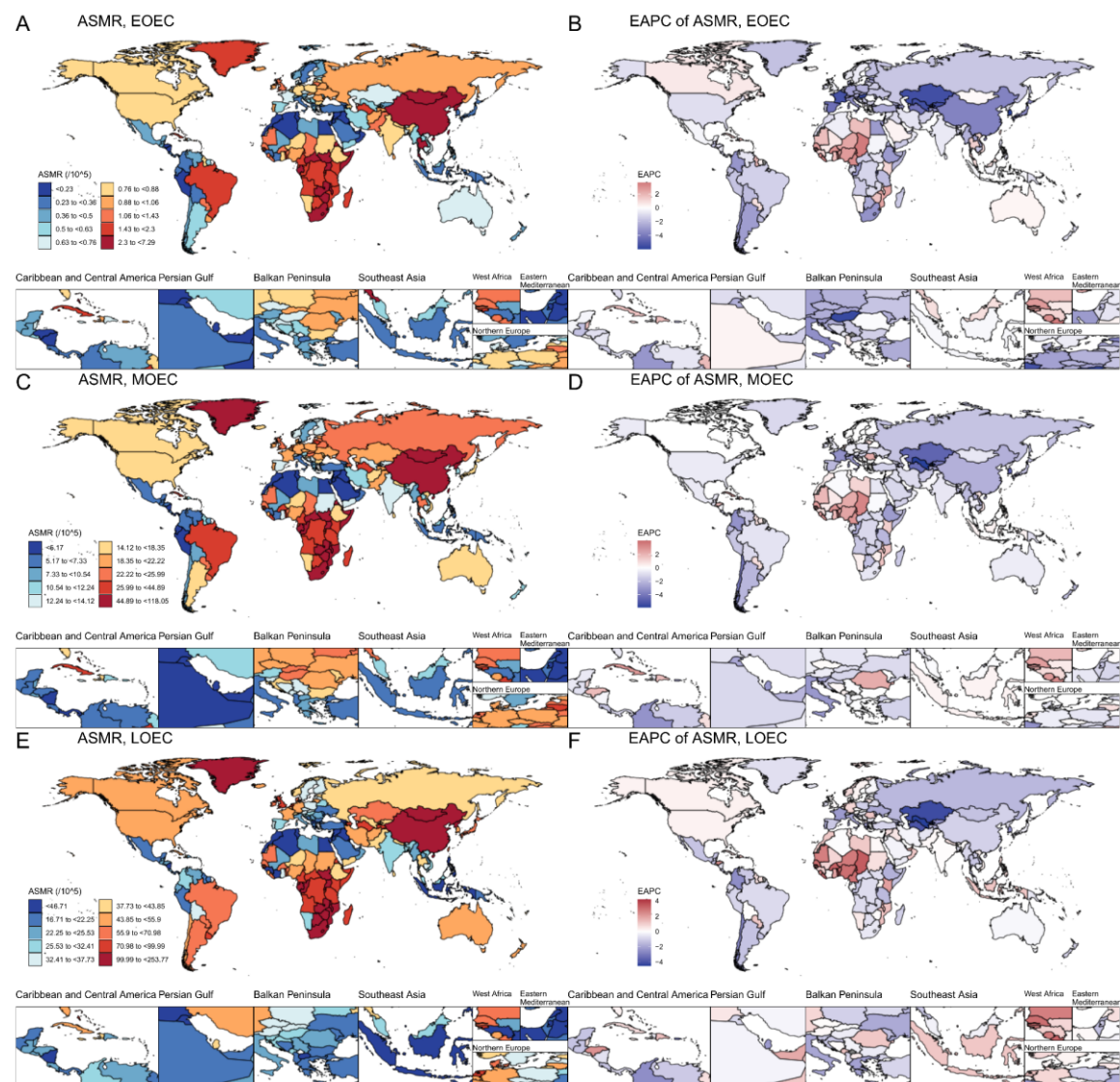
MOEC	ASDR	Both	Sao Tome and Principe	2.58 (2.4, 2.75)	<0.001
MOEC	ASDR	Both	Sierra Leone	2.54 (2.23, 2.85)	<0.001
MOEC	ASDR	Male	Northern Mariana Islands	3.97 (3.32, 4.62)	<0.001
MOEC	ASDR	Male	Togo	3.52 (3.23, 3.81)	<0.001
MOEC	ASDR	Male	Sao Tome and Principe	3.48 (3.21, 3.75)	<0.001
MOEC	ASDR	Male	Chad	3.34 (3.12, 3.56)	<0.001
MOEC	ASDR	Male	Liberia	3.1 (2.7, 3.49)	<0.001
MOEC	ASDR	Female	Zimbabwe	2.87 (1.93, 3.81)	<0.001
MOEC	ASDR	Female	Lesotho	2.51 (1.82, 3.2)	<0.001
MOEC	ASDR	Female	Sierra Leone	2.02 (1.74, 2.3)	<0.001
MOEC	ASDR	Female	Chad	1.83 (1.65, 2.01)	<0.001
MOEC	ASDR	Female	Togo	1.06 (0.87, 1.26)	<0.001
LOEC	ASIR	Both	United Arab Emirates	3.75 (2.97, 4.53)	<0.001
LOEC	ASIR	Both	Chad	3.12 (2.89, 3.35)	<0.001
LOEC	ASIR	Both	Sao Tome and Principe	3.09 (2.87, 3.32)	<0.001
LOEC	ASIR	Both	Northern Mariana Islands	3.07 (2.5, 3.64)	<0.001
LOEC	ASIR	Both	Nigeria	2.79 (2.5, 3.09)	<0.001
LOEC	ASIR	Male	Northern Mariana Islands	4.25 (3.57, 4.93)	<0.001
LOEC	ASIR	Male	Sao Tome and Principe	4.1 (3.75, 4.45)	<0.001
LOEC	ASIR	Male	Togo	3.59 (3.34, 3.84)	<0.001
LOEC	ASIR	Male	Chad	3.42 (3.19, 3.65)	<0.001
LOEC	ASIR	Male	Burkina Faso	3.28 (3, 3.55)	<0.001
LOEC	ASIR	Female	United Arab Emirates	6.95 (5.85, 8.06)	<0.001
LOEC	ASIR	Female	Chad	2.6 (2.37, 2.83)	<0.001
LOEC	ASIR	Female	Sierra Leone	2.39 (2.13, 2.66)	<0.001
LOEC	ASIR	Female	Ghana	2.29 (2.06, 2.53)	<0.001
LOEC	ASIR	Female	Guinea-Bissau	2.2 (1.96, 2.43)	<0.001
LOEC	ASMR	Both	United Arab Emirates	3.65 (2.87, 4.43)	<0.001
LOEC	ASMR	Both	Chad	3.11 (2.88, 3.35)	<0.001
LOEC	ASMR	Both	Sao Tome and Principe	3.07 (2.84, 3.3)	<0.001
LOEC	ASMR	Both	Northern Mariana Islands	2.96 (2.39, 3.54)	<0.001
LOEC	ASMR	Both	Nigeria	2.8 (2.51, 3.09)	<0.001
LOEC	ASMR	Male	Northern Mariana Islands	4.2 (3.52, 4.88)	<0.001
LOEC	ASMR	Male	Sao Tome and Principe	4.04 (3.67, 4.41)	<0.001
LOEC	ASMR	Male	Togo	3.57 (3.32, 3.82)	<0.001
LOEC	ASMR	Male	Chad	3.41 (3.18, 3.64)	<0.001
LOEC	ASMR	Male	Burkina Faso	3.27 (3, 3.55)	<0.001
LOEC	ASMR	Female	United Arab Emirates	6.82 (5.74, 7.92)	<0.001
LOEC	ASMR	Female	Chad	2.61 (2.37, 2.84)	<0.001
LOEC	ASMR	Female	Sierra Leone	2.38 (2.11, 2.64)	<0.001
LOEC	ASMR	Female	Ghana	2.3 (2.06, 2.54)	<0.001

LOEC	ASMR	Female	Guinea-Bissau	2.21 (1.97, 2.45)	<0.001
LOEC	ASDR	Both	United Arab Emirates	3.67 (2.9, 4.44)	<0.001
LOEC	ASDR	Both	Chad	3.12 (2.89, 3.35)	<0.001
LOEC	ASDR	Both	Northern Mariana Islands	3.12 (2.57, 3.68)	<0.001
LOEC	ASDR	Both	Sao Tome and Principe	3.06 (2.85, 3.26)	<0.001
LOEC	ASDR	Both	Nigeria	2.72 (2.43, 3)	<0.001
LOEC	ASDR	Male	Northern Mariana Islands	4.18 (3.51, 4.84)	<0.001
LOEC	ASDR	Male	Sao Tome and Principe	4.11 (3.82, 4.41)	<0.001
LOEC	ASDR	Male	Togo	3.58 (3.33, 3.83)	<0.001
LOEC	ASDR	Male	Chad	3.41 (3.18, 3.64)	<0.001
LOEC	ASDR	Male	Burkina Faso	3.24 (2.97, 3.52)	<0.001
LOEC	ASDR	Female	United Arab Emirates	6.86 (5.75, 7.98)	<0.001
LOEC	ASDR	Female	Chad	2.58 (2.35, 2.81)	<0.001
LOEC	ASDR	Female	Sierra Leone	2.38 (2.11, 2.64)	<0.001
LOEC	ASDR	Female	Ghana	2.21 (1.97, 2.44)	<0.001
LOEC	ASDR	Female	Guinea-Bissau	2.11 (1.88, 2.34)	<0.001

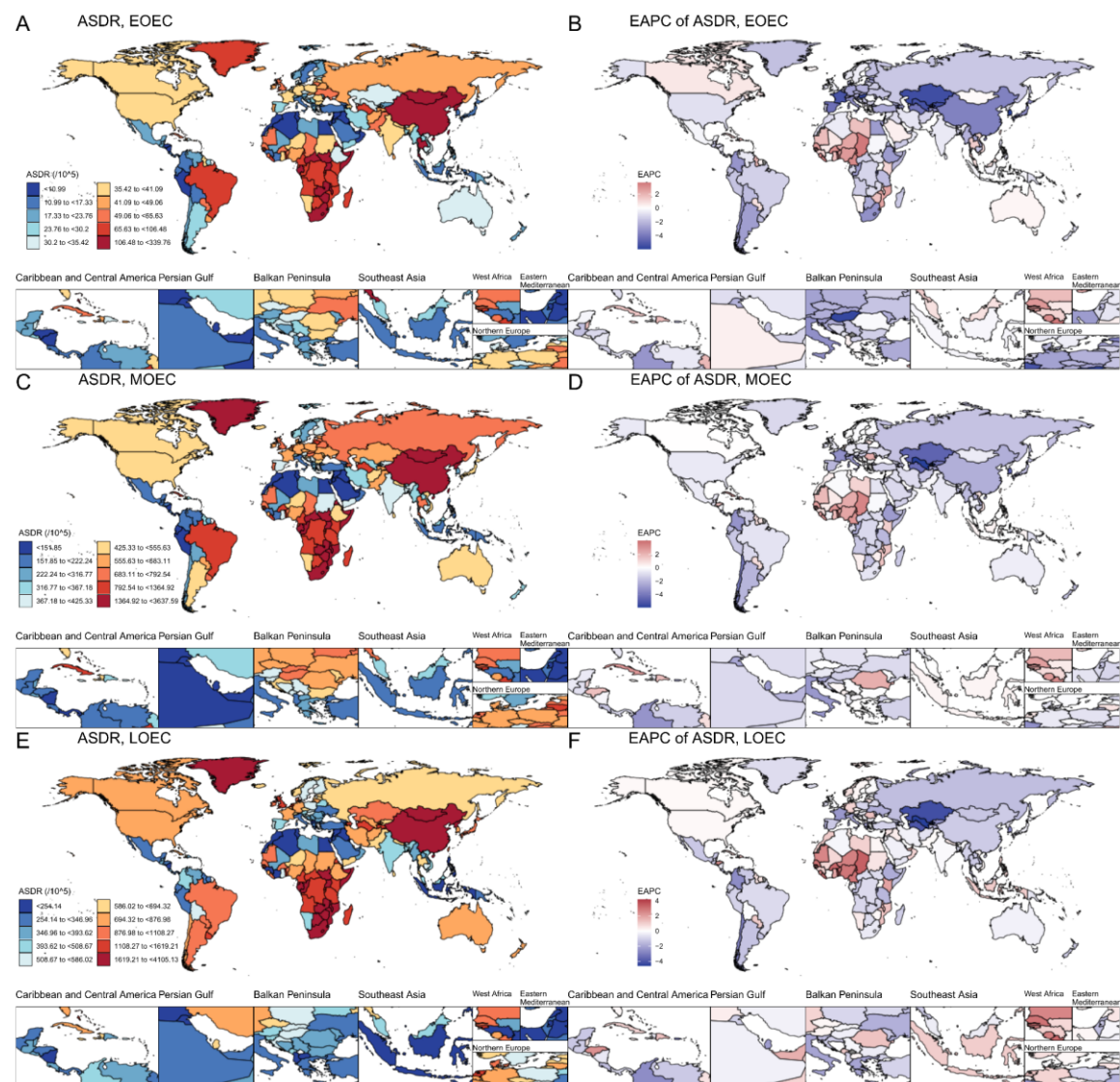
Abbreviations: EAPC, estimated annual percentage change; ASIR, age- standardized incidence rate; ASMR, age-standardized mortality rate; ASDR, age-standardized disability-adjusted life year rate; EOEC, early-onset esophageal cancer; MOEC, middle-onset esophageal cancer; LOEC, late-onset esophageal cancer.



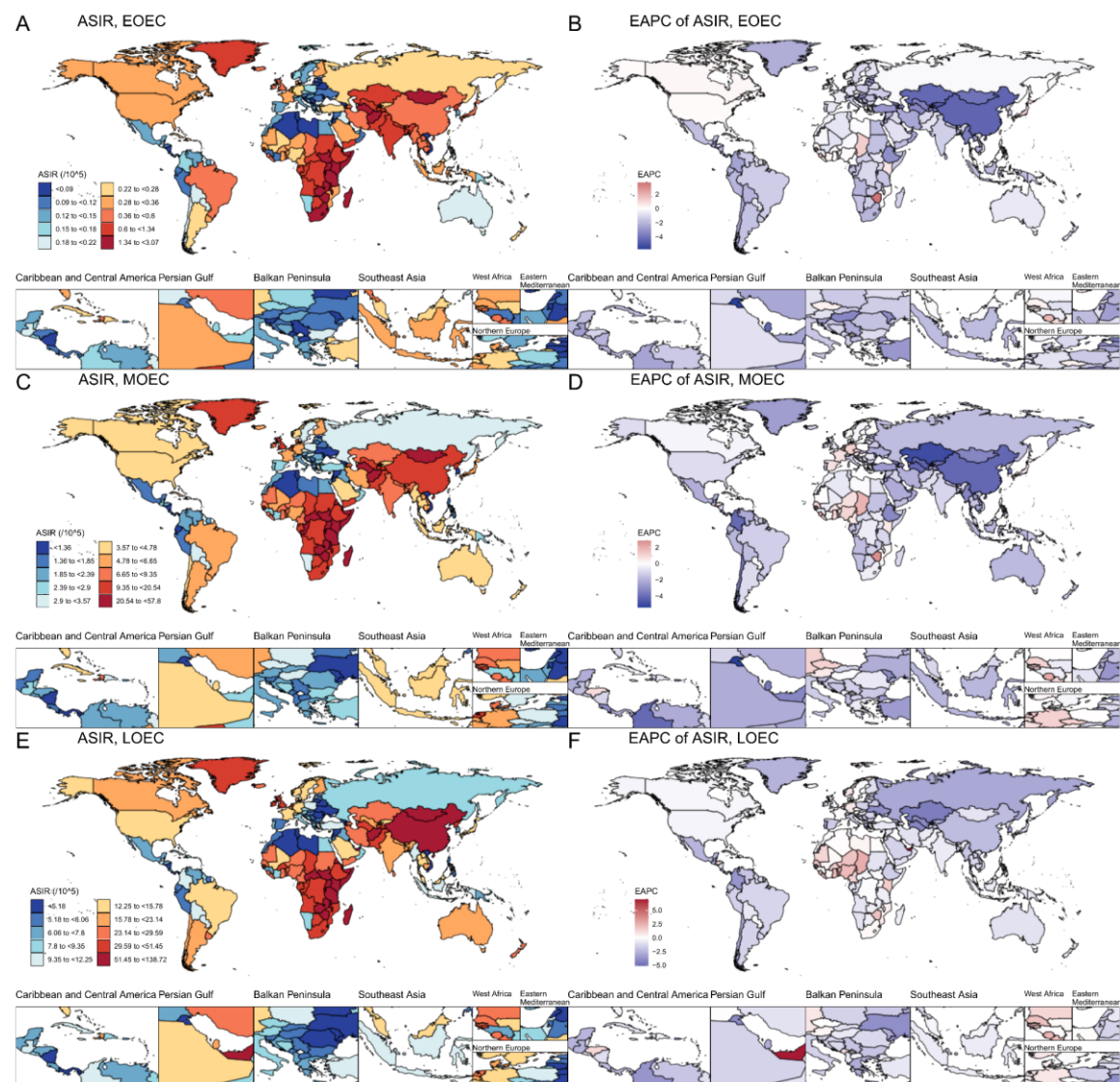
Supplementary Figure S5. Among 204 countries and territories, the ASIR of EOEC (A), MOEC (C) and LOEC (E) in male in 2021, and the EAPC of ASIR for EOEC (B), MOEC (D) and LOEC (F) in male from 1990 to 2021. ASIR, age-standardized incidence rate; EOEC, early-onset esophageal cancer; MOEC, middle-onset esophageal cancer; LOEC, late-onset esophageal cancer; EAPC, estimated annual percent changes.



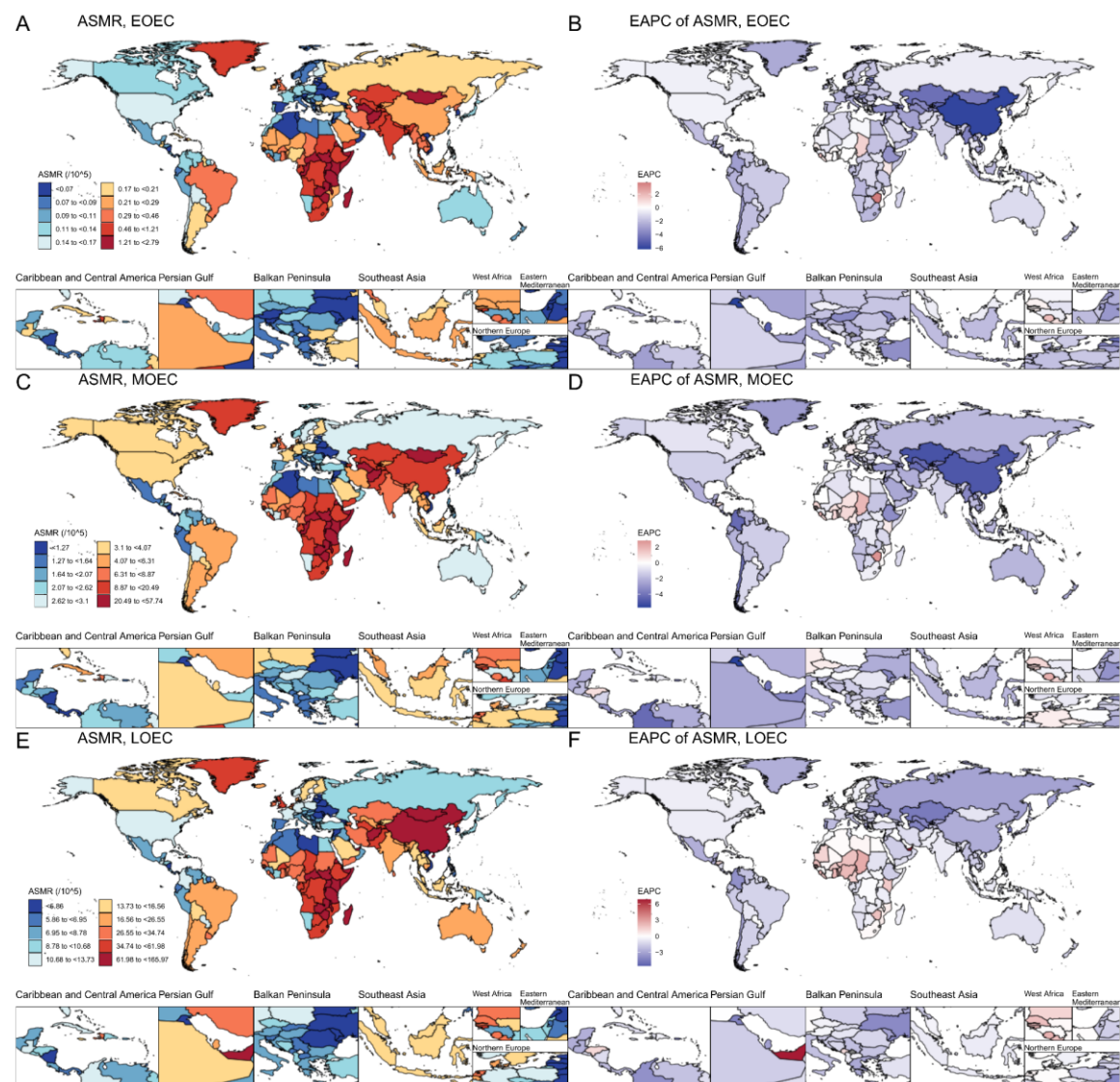
Supplementary Figure S6. Among 204 countries and territories, the **ASMR** of EOEC (A), MOEC (C) and LOEC (E) in male in 2021, and the **EAPC** of ASMR for EOEC (B), MOEC (D) and LOEC (F) in male from 1990 to 2021. ASMR, age-standardized mortality rate; EOEC, early-onset esophageal cancer; MOEC, middle-onset esophageal cancer; LOEC, late-onset esophageal cancer; EAPC, estimated annual percent changes.



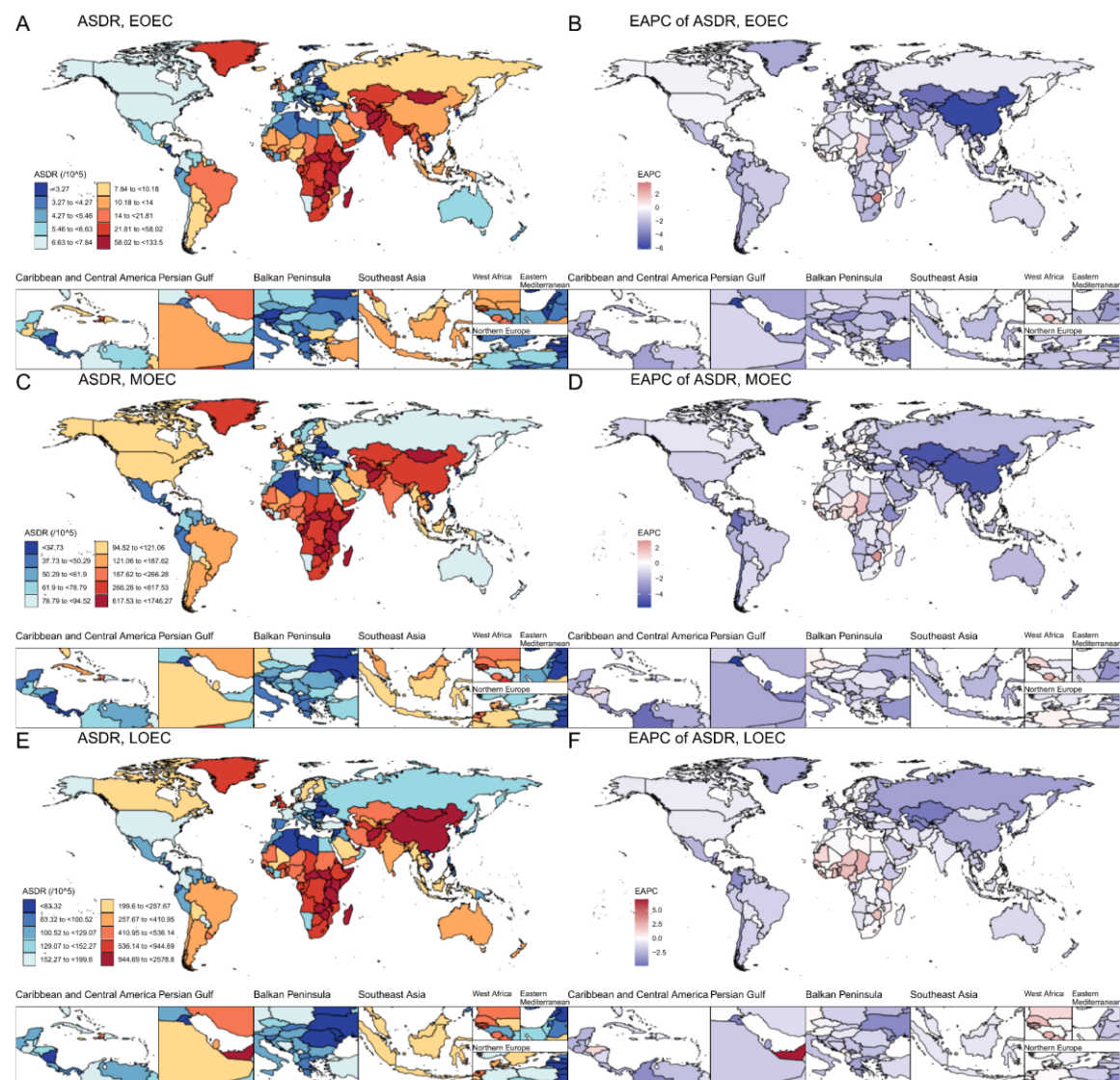
Supplementary Figure S7. Among 204 countries and territories, the **ASDR** of EOE (A), MOEC (C) and LOEC (E) **in male** in 2021, and the **EAPC** of ASDR for EOE (B), MOEC (D) and LOEC (F) in male from 1990 to 2021. ASDR, age-standardized disability-adjusted life year rate; EOE, early-onset esophageal cancer; MOEC, middle-onset esophageal cancer; LOEC, late-onset esophageal cancer; EAPC, estimated annual percent changes.



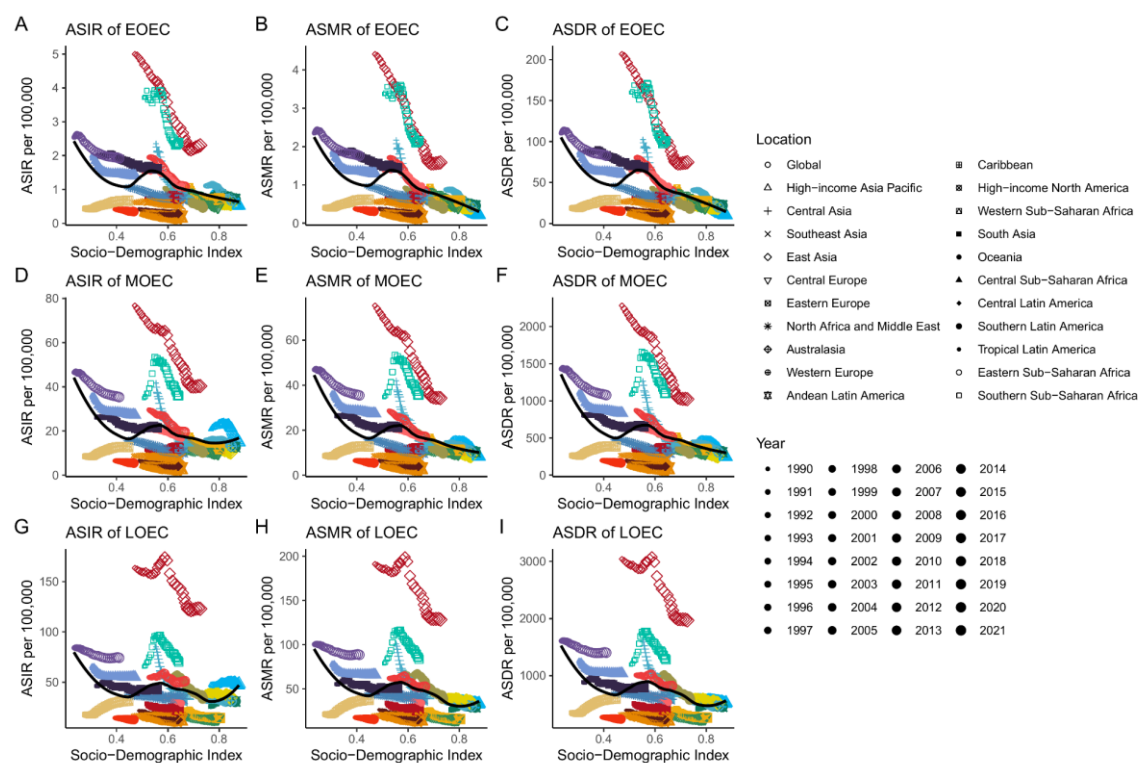
Supplementary Figure S8. Among 204 countries and territories, the **ASIR** of EOEC (A), MOEC (C) and LOEC (E) **in female** in 2021, and the **EAPC** of ASIR for EOEC (B), MOEC (D) and LOEC (F) in female from 1990 to 2021. ASIR, age-standardized incidence rate; EOEC, early-onset esophageal cancer; MOEC, middle-onset esophageal cancer; LOEC, late-onset esophageal cancer; EAPC, estimated annual percent changes.



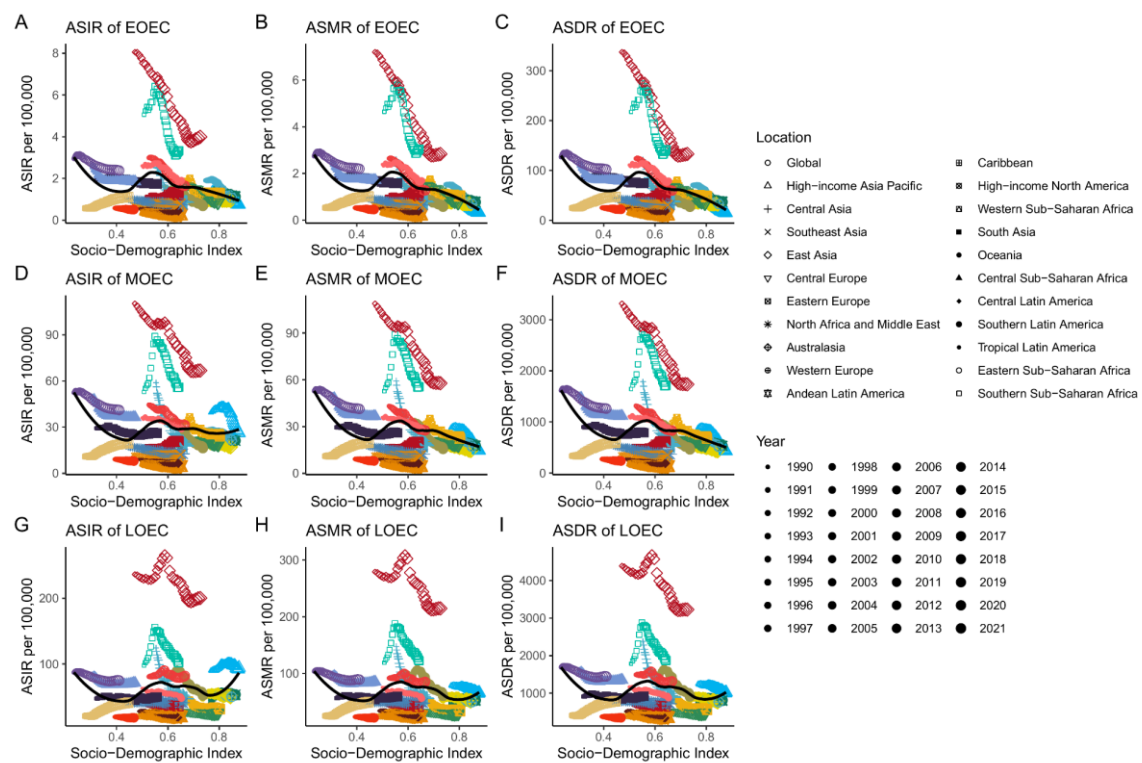
Supplementary Figure S9. Among 204 countries and territories, the **ASMR** of EOEC (A), MOEC (C) and LOEC (E) in female in 2021, and the EAPC of ASMR for EOEC (B), MOEC (D) and LOEC (F) in female from 1990 to 2021. ASMR, age-standardized mortality rate; EOEC, early-onset esophageal cancer; MOEC, middle-onset esophageal cancer; LOEC, late-onset esophageal cancer; EAPC, estimated annual percent changes.



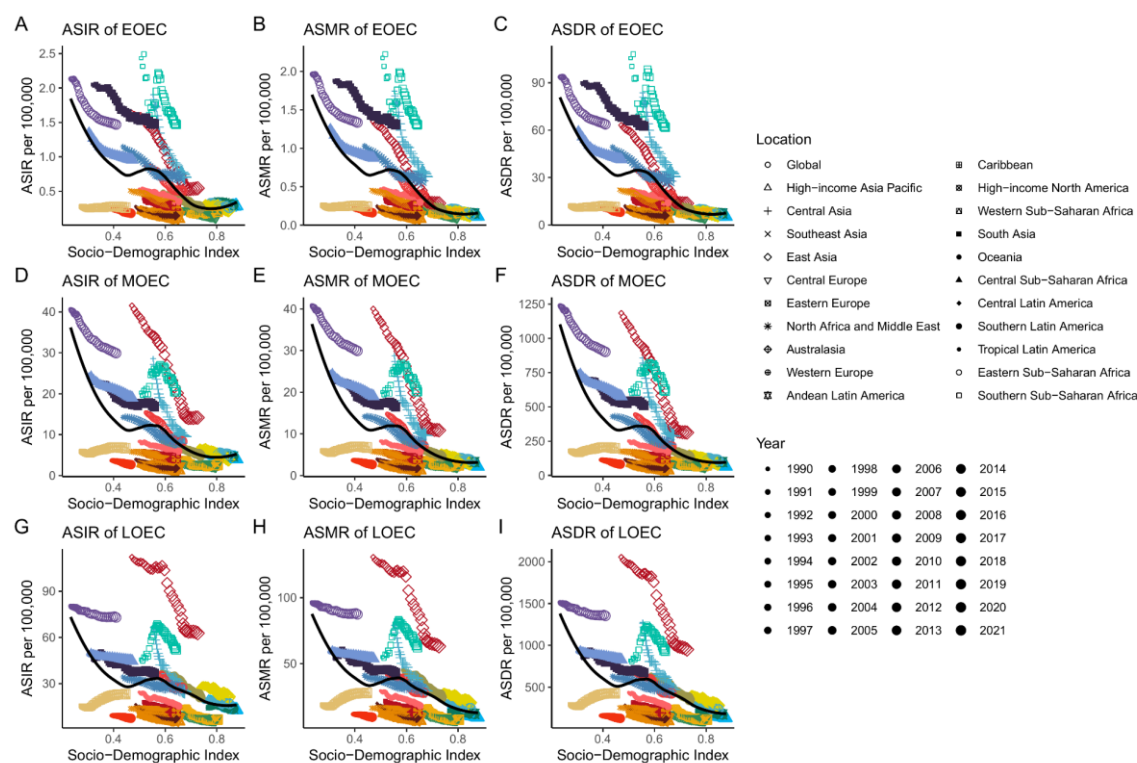
Supplementary Figure S10. Among 204 countries and territories, the **ASDR** of EOEC (A), MOEC (C) and LOEC (E) in female in 2021, and the **EAPC** of ASDR for EOEC (B), MOEC (D) and LOEC (F) **in female** from 1990 to 2021. ASDR, age-standardized disability-adjusted life year rate; EOEC, early-onset esophageal cancer; MOEC, middle-onset esophageal cancer; LOEC, late-onset esophageal cancer; EAPC, estimated annual percent changes.



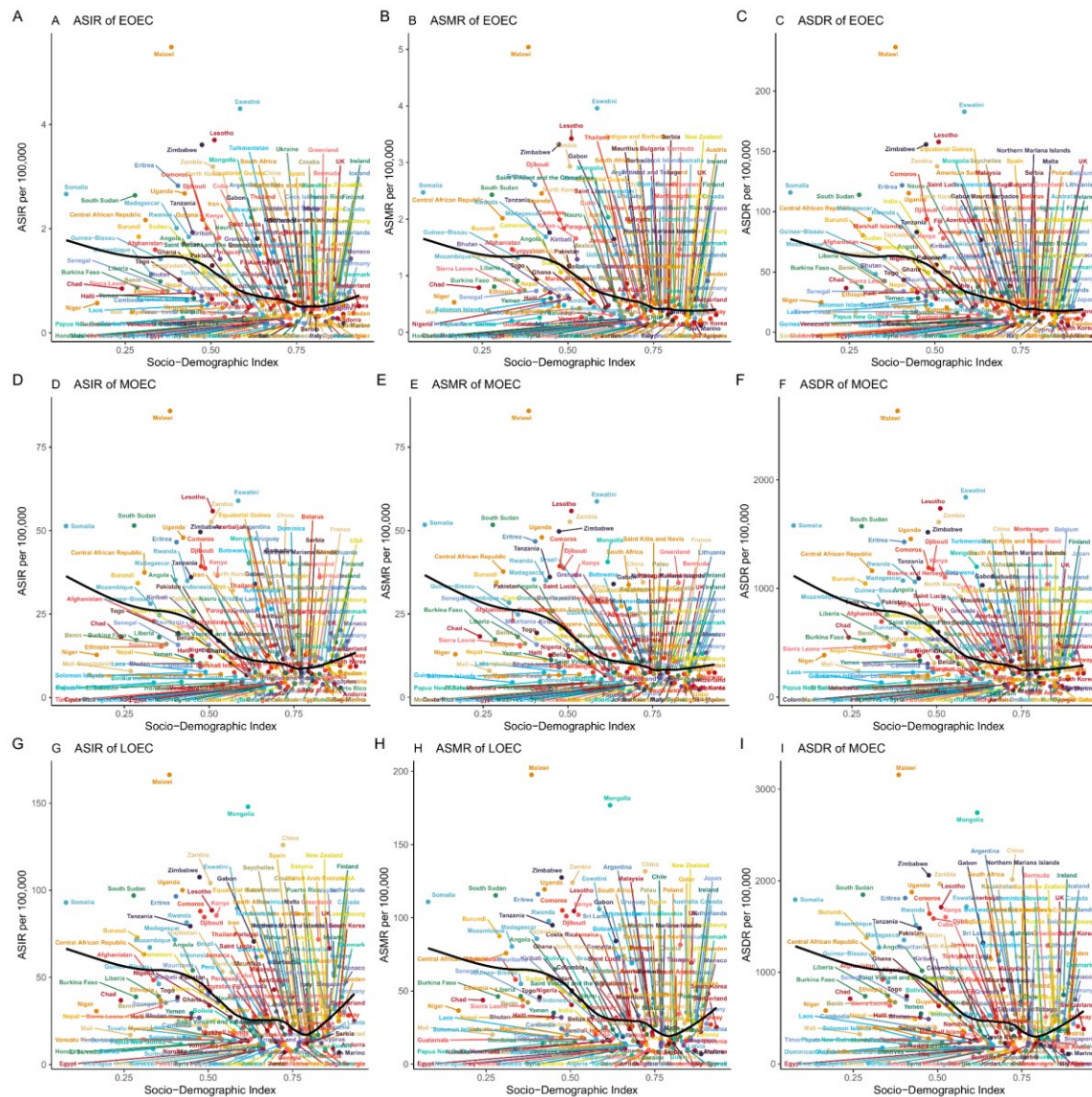
Supplementary Figure S11. The association between SDI and incidence, mortality and burden of EOEC (A, B, C), MOEC (D, E, F) and LOEC (G, H, I) at the region level from 1990 to 2021. EOEC, early-onset esophageal cancer; MOEC, middle-onset esophageal cancer; LOEC, late-onset esophageal cancer; ASIR, age-standardized incidence rate; ASMR, age-standardized mortality rate; ASDR, age-standardized disability-adjusted life year rate; SDI, Socio-demographic index.



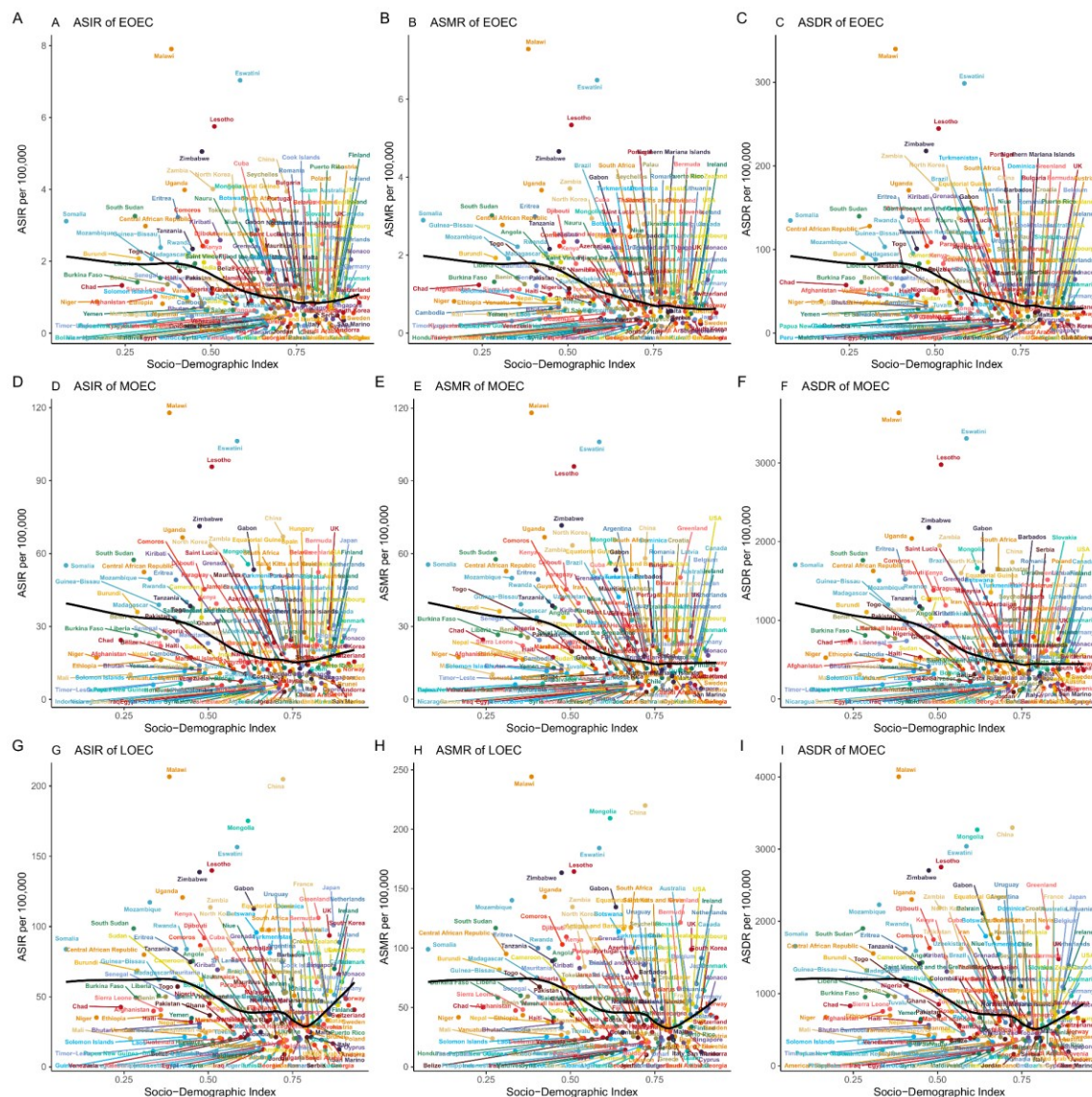
Supplementary Figure S12. The association between SDI and incidence, mortality and burden of EOEC (A, B, C), MOEC (D, E, F) and LOEC (G, H, I) **in male** at the region level from 1990 to 2021. EOEC, early-onset esophageal cancer; MOEC, middle-onset esophageal cancer; LOEC, late-onset esophageal cancer; ASIR, age-standardized incidence rate; ASMR, age-standardized mortality rate; ASDR, age-standardized disability-adjusted life year rate; SDI, Socio-demographic index.



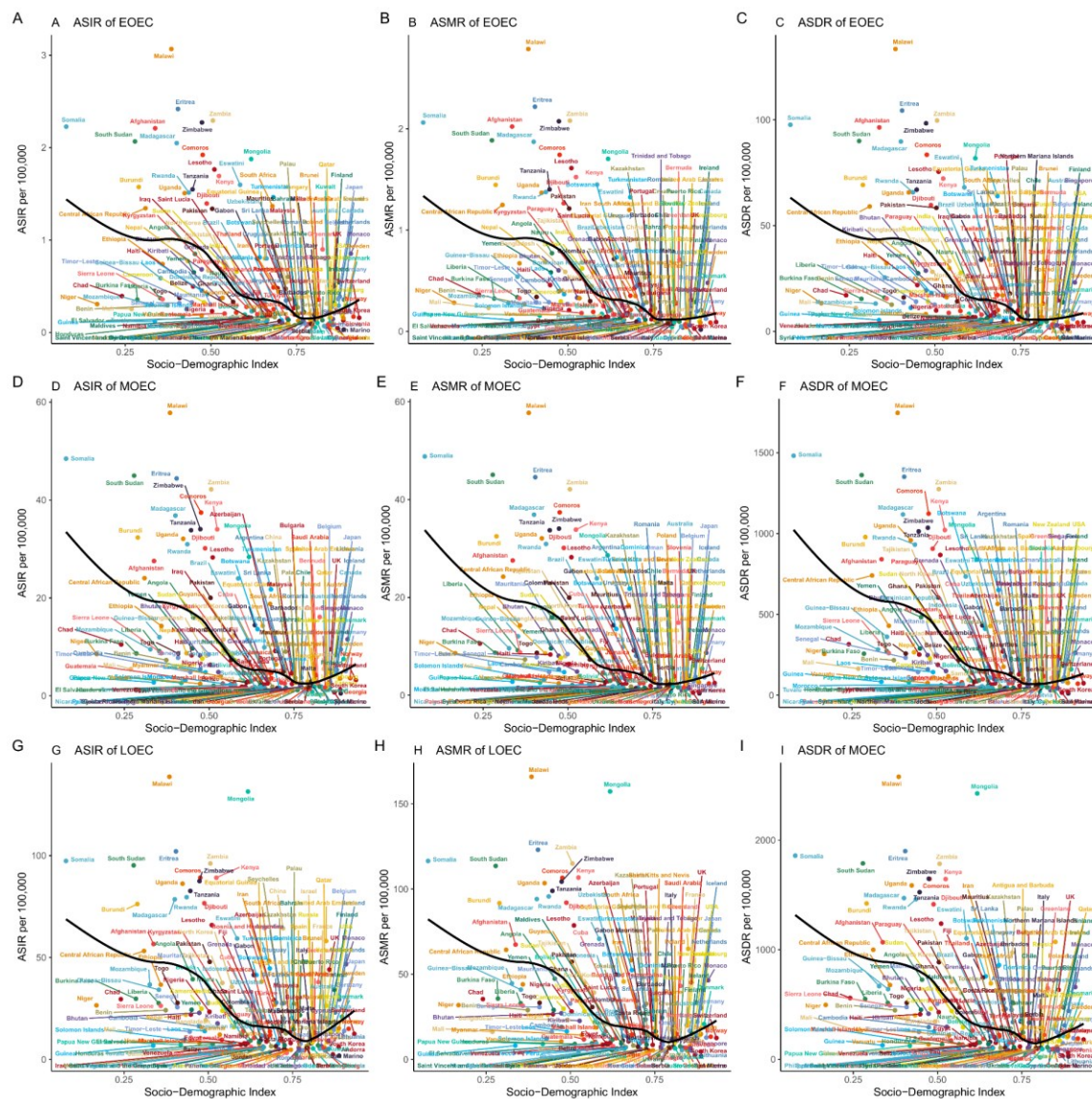
Supplementary Figure S13. The association between SDI and incidence, mortality and burden of EOEC (A, B, C), MOEC (D, E, F) and LOEC (G, H, I) **in female** at the region level from 1990 to 2021. EOEC, early-onset esophageal cancer; MOEC, middle-onset esophageal cancer; LOEC, late-onset esophageal cancer; ASIR, age-standardized incidence rate; ASMR, age-standardized mortality rate; ASDR, age-standardized disability-adjusted life year rate; SDI, Socio-demographic index.



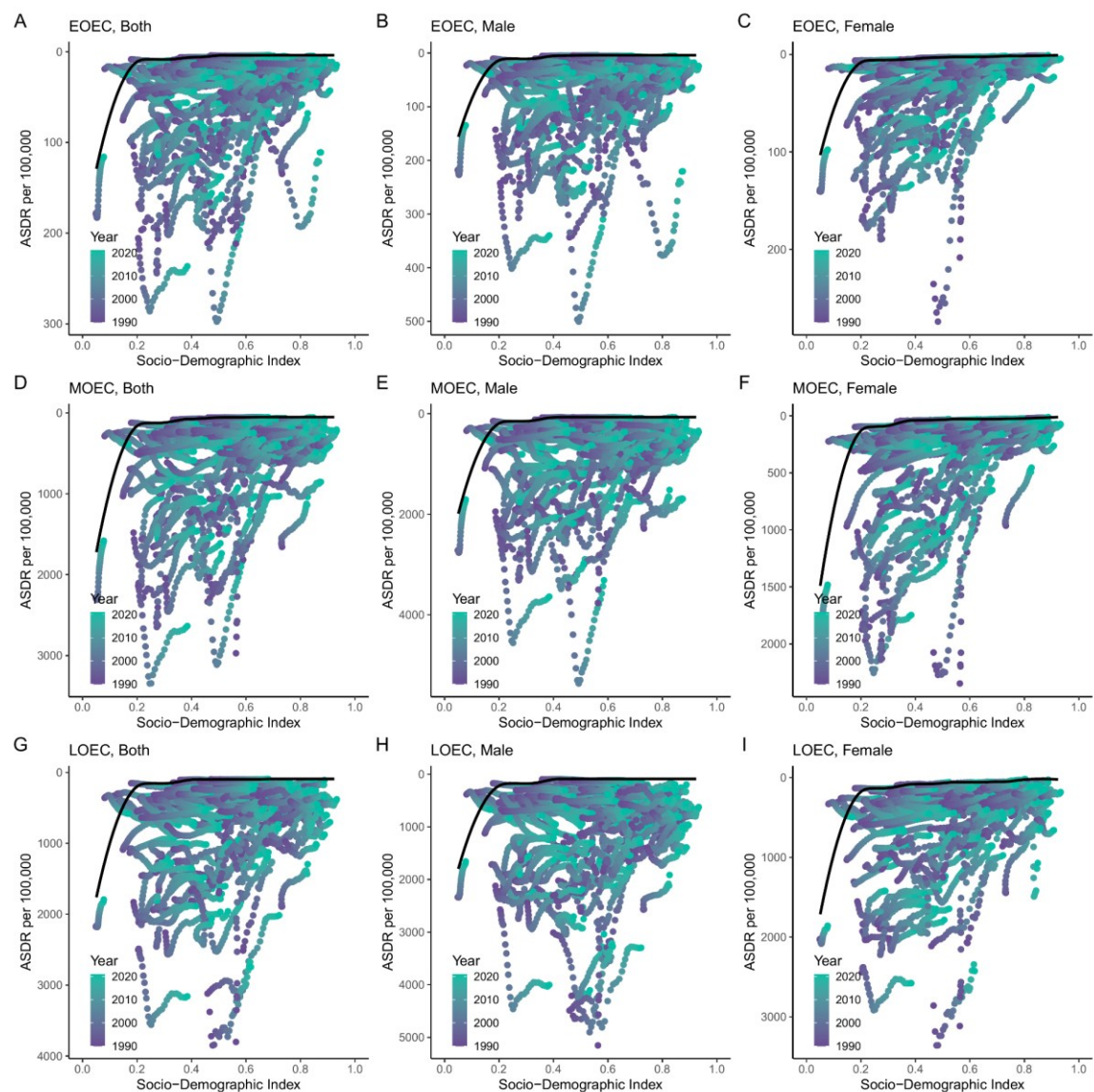
Supplementary Figure S14. The association between SDI and incidence, mortality and burden of EOEC (A, B, C), MOEC (D, E, F) and LOEC (G, H, I) at 204 countries and territories in 2021. EOEC, early-onset esophageal cancer; MOEC, middle-onset esophageal cancer; LOEC, late-onset esophageal cancer; ASIR, age-standardized incidence rate; ASMR, age-standardized mortality rate; ASDR, age-standardized disability-adjusted life year rate; SDI, Socio-demographic index.



Supplementary Figure S15. The association between SDI and incidence, mortality and burden of EOEC (A, B, C), MOEC (D, E, F) and LOEC (G, H, I) in male at 204 countries and territories in 2021. EOEC, early-onset esophageal cancer; MOEC, middle-onset esophageal cancer; LOEC, late-onset esophageal cancer; ASIR, age-standardized incidence rate; ASMR, age-standardized mortality rate; ASDR, age-standardized disability-adjusted life year rate; SDI, Socio-demographic index.



Supplementary Figure S16. The association between SDI and incidence, mortality and burden of EOEC (A, B, C), MOEC (D, E, F) and LOEC (G, H, I) **in female** at 204 countries and territories in 2021. EOEC, early-onset esophageal cancer; MOEC, middle-onset esophageal cancer; LOEC, late-onset esophageal cancer; ASIR, age-standardized incidence rate; ASMR, age-standardized mortality rate; ASDR, age-standardized disability-adjusted life year rate; SDI, Socio-demographic index.



Supplementary Figure S17. Frontier analysis based on SDI and ASDR from 1990 to 2021. The frontier is depicted as a solid black line, with countries and territories represented by dots. SDI: Socio-demographic index; ASDR, age-standardized disability-adjusted life year rate; EOEC, early-onset esophageal cancer; MOEC, middle-onset esophageal cancer; LOEC, late-onset esophageal cancer.

Supplementary Table S8. Frontier DALYs, and effective difference of EOEC, MOEC and LOEC in 2021, by country or territory.

Country/Territory	SDI	ASDR	Frontier DALYs	Effective difference	Effective difference rank (ASDR rank)
EOEC					
Afghanistan	0.34	69.6	8.46	61.13	177 (179)
Albania	0.71	11.45	3.83	7.62	42 (39)
Algeria	0.66	4.33	3.94	0.39	3 (2)
American Samoa	0.72	14.63	3.83	10.81	65 (60)
Andorra	0.87	8.36	3.83	4.53	28 (26)
Angola	0.45	58.67	5.77	52.9	171 (171)
Antigua and Barbuda	0.75	13.85	3.83	10.02	60 (57)
Argentina	0.72	19.29	3.89	15.4	86 (85)
Armenia	0.7	4.42	3.83	0.59	5 (3)
Australia	0.84	19.98	3.84	16.14	89 (87)
Austria	0.85	12.48	3.83	8.65	51 (47)
Azerbaijan	0.69	29.75	3.83	25.93	136 (135)
Bahamas	0.81	58.3	3.83	54.48	173 (170)
Bahrain	0.75	8.54	3.83	4.71	30 (27)
Bangladesh	0.49	28.95	4.11	24.84	130 (131)
Barbados	0.75	36.54	3.83	32.71	157 (154)
Belarus	0.78	24.67	3.83	20.84	114 (112)
Belgium	0.85	23.53	3.83	19.7	112 (110)
Belize	0.61	20.21	4.01	16.19	90 (89)
Benin	0.37	34.57	6.22	28.35	148 (149)
Bermuda	0.82	27.65	3.83	23.82	126 (124)
Bhutan	0.47	30.08	4.08	26	137 (137)
Bolivia (Plurinational State of)	0.6	11.64	4.01	7.63	43 (41)
Bosnia and Herzegovina	0.72	15.06	3.83	11.23	66 (63)
Botswana	0.64	64.12	3.98	60.14	175 (174)
Brazil	0.65	45.98	3.96	42.02	166 (164)
Brunei Darussalam	0.81	11.13	3.83	7.29	39 (37)
Bulgaria	0.77	22.85	3.83	19.03	107 (104)
Burkina Faso	0.29	37.5	8.41	29.09	151 (156)
Burundi	0.29	80.32	8.38	71.94	182 (184)
Cabo Verde	0.53	116.42	4.01	112.41	198 (198)
Cambodia	0.47	25.89	4.17	21.72	117 (116)
Cameroon	0.48	49.45	4.07	45.38	167 (166)
Canada	0.87	21.58	3.83	17.75	99 (96)
Central African Republic	0.31	93.59	8.42	85.18	191 (191)
Chad	0.24	36.65	8.38	28.27	147 (155)

Chile	0.77	13.55	3.84	9.71	59 (55)
China	0.72	73.92	3.84	70.09	181 (180)
Colombia	0.66	11.47	3.95	7.52	41 (40)
Comoros	0.48	93.91	4.02	89.89	193 (192)
Congo	0.58	82.2	4.02	78.18	188 (186)
Cook Islands	0.78	18.86	3.83	15.03	83 (81)
Costa Rica	0.7	10.62	3.83	6.79	36 (35)
Croatia	0.8	19.22	3.83	15.4	85 (83)
Cuba	0.67	36.47	3.89	32.58	156 (153)
Cyprus	0.84	6.57	3.83	2.74	17 (14)
Czechia	0.83	19.24	3.83	15.41	87 (84)
Côte d'Ivoire	#N/A	9.43	3.83	5.61	33 (31)
Democratic People's Republic of Korea	0.57	81.72	4.03	77.69	187 (185)
Democratic Republic of the Congo	0.38	56.33	6.14	50.19	169 (169)
Denmark	0.9	20.93	3.87	17.06	94 (92)
Djibouti	0.49	85.66	4.06	81.59	190 (188)
Dominica	0.75	35.99	3.83	32.17	155 (152)
Dominican Republic	0.62	22.48	4.04	18.44	105 (103)
Ecuador	0.66	7.76	3.94	3.82	23 (21)
Egypt	0.61	6.32	4.01	2.31	15 (13)
El Salvador	0.56	15.52	4.03	11.49	71 (67)
Equatorial Guinea	0.66	64.57	3.94	60.63	176 (175)
Eritrea	0.4	121.84	6.04	115.8	199 (199)
Estonia	0.84	13.31	3.83	9.48	57 (53)
Eswatini	0.59	182.83	4.02	178.81	203 (203)
Ethiopia	0.36	33.74	6.68	27.06	141 (145)
Fiji	0.68	19.58	3.89	15.69	88 (86)
Finland	0.86	15.67	3.83	11.84	73 (69)
France	0.84	20.81	3.83	16.98	93 (91)
Gabon	0.63	76.55	4	72.55	183 (181)
Gambia	0.41	13.82	5.95	7.87	44 (56)
Georgia	0.73	6.65	3.83	2.83	18 (15)
Germany	0.9	21.19	3.83	17.36	95 (93)
Ghana	0.56	24.54	4.16	20.37	113 (111)
Greece	0.79	12.29	3.83	8.47	48 (43)
Greenland	0.83	67.82	3.83	63.99	180 (178)
Grenada	0.67	35.98	3.89	32.09	154 (151)
Guam	0.8	26.08	3.83	22.25	120 (118)
Guatemala	0.54	13.04	4.08	8.96	54 (51)

Guinea	0.34	9.46	8.4	1.06	8 (32)
Guinea-Bissau	0.35	61.26	8.07	53.2	172 (172)
Guyana	0.65	22.38	3.96	18.42	104 (101)
Haiti	0.45	33.11	5.77	27.33	142 (144)
Honduras	0.51	6.72	4.02	2.7	16 (17)
Hungary	0.79	20.11	3.83	16.28	91 (88)
Iceland	0.88	29.2	3.83	25.36	134 (132)
India	0.58	31.86	4.01	27.85	144 (140)
Indonesia	0.66	13.22	3.95	9.27	56 (52)
Iran (Islamic Republic of)	0.7	23.13	3.83	19.3	110 (108)
Iraq	0.66	8.09	3.93	4.16	27 (24)
Ireland	0.87	27.52	3.83	23.69	125 (123)
Israel	0.81	7.81	3.83	3.99	24 (22)
Italy	0.81	9.8	3.83	5.97	35 (34)
Jamaica	0.68	21.23	3.84	17.39	96 (94)
Japan	0.87	11.7	3.83	7.87	45 (42)
Jordan	0.73	5.55	3.83	1.72	12 (8)
Kazakhstan	0.73	29.94	3.83	26.12	139 (136)
Kenya	0.52	77.85	4.11	73.75	185 (182)
Kiribati	0.53	62.9	4.01	58.89	174 (173)
Kuwait	0.85	4.67	3.88	0.79	6 (5)
Kyrgyzstan	0.6	17.56	4.02	13.54	77 (76)
Lao People's Democratic Republic	0.49	22.92	4.14	18.78	106 (106)
Latvia	0.83	18.97	3.83	15.14	84 (82)
Lebanon	0.74	5.01	3.88	1.14	9 (7)
Lesotho	0.51	157.8	4.01	153.79	202 (202)
Liberia	0.35	42.38	8.13	34.25	159 (161)
Libya	0.73	12.92	3.83	9.1	55 (50)
Lithuania	0.86	26.36	3.87	22.49	123 (120)
Luxembourg	0.88	16.53	3.83	12.7	75 (71)
Madagascar	0.4	87.43	5.97	81.46	189 (189)
Malawi	0.38	236.52	6.15	230.36	204 (204)
Malaysia	0.74	17.9	3.83	14.08	79 (77)
Maldives	0.65	8.59	3.95	4.63	29 (28)
Mali	0.27	16.85	8.4	8.46	47 (72)
Malta	0.8	16.09	3.83	12.26	74 (70)
Marshall Islands	0.57	26.35	4.02	22.34	121 (119)
Mauritania	0.5	30.23	4.14	26.09	138 (138)
Mauritius	0.72	38.27	3.83	34.44	160 (158)
Mexico	0.66	12.78	3.93	8.85	53 (49)

Micronesia (Federated States of)	0.59	28.8	4.04	24.76	129 (129)
Monaco	0.91	42.8	3.83	38.98	164 (162)
Mongolia	0.62	96.13	4.01	92.11	194 (193)
Montenegro	0.8	18.02	3.83	14.2	80 (78)
Morocco	0.56	4.99	4.02	0.97	7 (6)
Mozambique	0.33	48.2	8.41	39.78	165 (165)
Myanmar	0.53	20.43	4.01	16.41	92 (90)
Namibia	0.62	21.93	4.01	17.92	100 (99)
Nauru	0.63	37.52	4.02	33.5	158 (157)
Nepal	0.43	35.23	5.77	29.46	152 (150)
Netherlands	0.89	22.2	3.83	18.36	102 (100)
New Zealand	0.85	13.49	3.83	9.66	58 (54)
Nicaragua	0.52	5.73	4.02	1.71	10 (11)
Niger	0.17	24.73	15.93	8.8	52 (113)
Nigeria	0.5	27.86	4.02	23.84	127 (125)
Niue	0.73	18.85	3.89	14.96	81 (80)
North Macedonia	0.75	9.12	3.86	5.26	32 (30)
Northern Mariana Islands	0.77	17.54	3.83	13.71	78 (75)
Norway	0.92	11.27	3.83	7.44	40 (38)
Oman	0.77	6.7	3.83	2.87	19 (16)
Pakistan	0.5	55.95	4.05	51.9	170 (168)
Palau	0.75	30.75	3.83	26.93	140 (139)
Palestine	0.63	4.51	4.02	0.49	4 (4)
Panama	0.71	7.83	3.83	4.01	25 (23)
Papua New Guinea	0.42	12.64	5.78	6.86	38 (48)
Paraguay	0.64	28.88	3.99	24.9	132 (130)
Peru	0.66	7.51	3.94	3.58	22 (20)
Philippines	0.65	14.74	3.95	10.79	64 (62)
Poland	0.81	21.56	3.83	17.73	98 (95)
Portugal	0.74	25.34	3.83	21.51	116 (114)
Puerto Rico	0.83	23.01	3.83	19.18	109 (107)
Qatar	0.85	8.88	3.83	5.05	31 (29)
Republic of Korea	0.89	7.36	3.83	3.53	21 (19)
Republic of Moldova	0.73	10.68	3.83	6.85	37 (36)
Romania	0.77	23.29	3.83	19.47	111 (109)
Russian Federation	0.81	28.38	3.89	24.5	128 (127)
Rwanda	0.44	79.43	5.78	73.65	184 (183)
Saint Kitts and Nevis	0.75	22.86	3.83	19.03	108 (105)
Saint Lucia	0.67	40.02	3.91	36.11	162 (160)
Saint Vincent and the	0.64	26.68	4	22.68	124 (121)

Grenadines					
Samoa	0.59	8.11	4.02	4.08	26 (25)
San Marino	0.89	5.59	3.83	1.75	13 (9)
Sao Tome and Principe	0.51	29.29	4.03	25.26	133 (133)
Saudi Arabia	0.82	12.38	3.85	8.53	49 (45)
Senegal	0.41	34.07	5.96	28.11	146 (146)
Serbia	0.79	14.33	3.84	10.5	61 (58)
Seychelles	0.73	49.65	3.83	45.83	168 (167)
Sierra Leone	0.36	34.26	6.69	27.57	143 (148)
Singapore	0.86	5.83	3.83	2	14 (12)
Slovakia	0.81	25.9	3.83	22.07	119 (117)
Slovenia	0.84	15.18	3.83	11.35	70 (65)
Solomon Islands	0.43	27.06	5.77	21.29	115 (122)
Somalia	0.08	115.87	115.87	0	1 (197)
South Africa	0.68	91.5	3.86	87.64	192 (190)
South Sudan	0.28	113.92	8.4	105.52	195 (195)
Spain	0.77	15.09	3.85	11.24	67 (64)
Sri Lanka	0.7	31.91	3.83	28.07	145 (141)
Sudan	0.54	32.92	4.02	28.9	150 (143)
Suriname	0.63	15.31	3.99	11.32	69 (66)
Sweden	0.89	9.58	3.83	5.75	34 (33)
Switzerland	0.93	14.54	3.83	10.71	63 (59)
Syrian Arab Republic	0.62	5.73	4.01	1.72	11 (10)
Taiwan (Province of China)	0.87	110.96	3.84	107.12	196 (194)
Tajikistan	0.54	39.06	4.03	35.04	161 (159)
Thailand	0.68	65.81	3.84	61.97	178 (176)
Timor-Leste	0.44	17.08	5.77	11.31	68 (74)
Togo	0.41	43.49	5.85	37.64	163 (163)
Tokelau	0.69	15.58	3.83	11.75	72 (68)
Tonga	0.63	14.7	4.02	10.68	62 (61)
Trinidad and Tobago	0.77	18.83	3.83	15	82 (79)
Tunisia	0.68	3.86	3.85	0.01	2 (1)
Turkey	0.68	67.69	3.86	63.83	179 (177)
Turkmenistan	0.58	21.74	4.01	17.73	97 (97)
Tuvalu	#N/A	12.39	3.83	8.56	50 (46)
Uganda	0.42	115.31	5.78	109.53	197 (196)
Ukraine	0.76	25.61	3.83	21.79	118 (115)
United Arab Emirates	0.85	7.25	3.83	3.42	20 (18)
United Kingdom	0.86	34.25	3.84	30.41	153 (147)
United Republic of Tanzania	0.45	83.09	5.77	77.32	186 (187)
United States Virgin Islands	0.82	29.5	3.83	25.68	135 (134)

United States of America	0.86	21.86	3.83	18.03	101 (98)
Uruguay	0.72	28.7	3.83	24.88	131 (128)
Uzbekistan	0.66	32.71	3.94	28.78	149 (142)
Vanuatu	0.47	22.39	4.01	18.38	103 (102)
Venezuela (Bolivarian Republic of)	0.6	12.37	4.13	8.25	46 (44)
Viet Nam	0.63	16.95	4.01	12.94	76 (73)
Yemen	0.45	28.25	5.77	22.48	122 (126)
Zambia	0.51	137.63	4.01	133.62	200 (200)
Zimbabwe	0.47	155.74	4.42	151.32	201 (201)
MOEC					
Afghanistan	0.34	695.57	86.34	609.23	172 (171)
Albania	0.71	117.03	52.2	64.83	30 (28)
Algeria	0.66	52.45	51.97	0.49	2 (1)
American Samoa	0.72	131.99	51.97	80.01	42 (38)
Andorra	0.87	101.78	51.97	49.81	23 (21)
Angola	0.45	788.78	70.17	718.61	174 (173)
Antigua and Barbuda	0.75	236.12	52.12	184	93 (90)
Argentina	0.72	335.03	52.01	283.02	124 (120)
Armenia	0.7	90.07	52.18	37.89	18 (16)
Australia	0.84	262.98	52.06	210.92	101 (99)
Austria	0.85	206.33	51.96	154.36	70 (67)
Azerbaijan	0.69	465.8	51.99	413.81	158 (153)
Bahamas	0.81	494.21	51.96	442.25	164 (161)
Bahrain	0.75	112.92	52.07	60.85	27 (24)
Bangladesh	0.49	312.45	56.5	255.94	113 (113)
Barbados	0.75	416.09	52.04	364.05	144 (143)
Belarus	0.78	363.5	52.06	311.44	134 (132)
Belgium	0.85	350.98	51.97	299.01	129 (127)
Belize	0.61	200.21	53.57	146.64	67 (64)
Benin	0.37	486.03	78.85	407.18	157 (159)
Bermuda	0.82	326.75	51.99	274.76	120 (116)
Bhutan	0.47	306.71	56.41	250.3	111 (109)
Bolivia (Plurinational State of)	0.6	158.02	54	104.01	49 (48)
Bosnia and Herzegovina	0.72	223.5	51.96	171.54	84 (80)
Botswana	0.64	809.34	52.05	757.29	178 (176)
Brazil	0.65	502.05	51.99	450.06	165 (162)
Brunei Darussalam	0.81	179.14	52.11	127.04	58 (54)
Bulgaria	0.77	253.59	52.25	201.34	98 (95)
Burkina Faso	0.29	522.94	122.13	400.82	154 (165)
Burundi	0.29	1045.82	121.98	923.84	182 (186)

Cabo Verde	0.53	1442.82	54.36	1388.46	198 (196)
Cambodia	0.47	271.17	57.09	214.08	103 (101)
Cameroon	0.48	623.81	56.5	567.3	171 (170)
Canada	0.87	281.6	51.96	229.63	105 (103)
Central African Republic	0.31	1162.79	122.06	1040.73	191 (191)
Chad	0.24	550.26	121.97	428.29	162 (167)
Chile	0.77	173.01	51.96	121.05	56 (53)
China	0.72	1027.46	52.06	975.4	183 (181)
Colombia	0.66	119.02	52.11	66.91	32 (29)
Comoros	0.48	1190.25	56.6	1133.65	194 (193)
Congo	0.58	1045.5	54.01	991.49	187 (185)
Cook Islands	0.78	200.35	52.17	148.18	68 (65)
Costa Rica	0.7	116.02	51.96	64.06	29 (27)
Croatia	0.8	264.46	52.03	212.44	102 (100)
Cuba	0.67	515.94	52.11	463.84	167 (163)
Cyprus	0.84	97.71	52.03	45.68	20 (18)
Czechia	0.83	308.76	52.05	256.71	114 (111)
Côte d'Ivoire	#N/A	128.05	51.97	76.07	39 (36)
Democratic People's Republic of Korea	0.57	923.51	54.07	869.43	181 (180)
Democratic Republic of the Congo	0.38	803.95	75.62	728.33	175 (175)
Denmark	0.9	384.58	52.02	332.57	139 (137)
Djibouti	0.49	1176.58	56.19	1120.39	193 (192)
Dominica	0.75	458.35	52.1	406.25	156 (151)
Dominican Republic	0.62	207.27	52.78	154.49	71 (69)
Ecuador	0.66	73.28	52.02	21.26	11 (10)
Egypt	0.61	82.29	53.71	28.58	14 (12)
El Salvador	0.56	134.96	53.8	81.16	44 (43)
Equatorial Guinea	0.66	828.52	51.96	776.55	179 (177)
Eritrea	0.4	1428.53	72.78	1355.75	196 (195)
Estonia	0.84	272.27	52.05	220.22	104 (102)
Eswatini	0.59	1839.76	54.09	1785.67	203 (203)
Ethiopia	0.36	461.01	78.22	382.79	148 (152)
Fiji	0.68	227.48	52.16	175.32	87 (83)
Finland	0.86	235.3	51.98	183.32	91 (88)
France	0.84	335.54	51.96	283.58	125 (122)
Gabon	0.63	1030.33	52.02	978.31	184 (182)
Gambia	0.41	191.48	72.98	118.5	55 (61)
Georgia	0.73	98.12	52.01	46.11	21 (19)
Germany	0.9	345.92	51.96	293.96	127 (125)

Ghana	0.56	308.05	53.92	254.13	112 (110)
Greece	0.79	149.36	52.08	97.28	47 (46)
Greenland	0.83	1037.75	51.96	985.79	185 (183)
Grenada	0.67	450.07	52.05	398.02	153 (150)
Guam	0.8	179.9	51.98	127.92	60 (55)
Guatemala	0.54	119.5	53.8	65.7	31 (30)
Guinea	0.34	134.62	111.03	23.59	13 (42)
Guinea-Bissau	0.35	756.57	81.38	675.19	173 (172)
Guyana	0.65	210.62	51.99	158.63	74 (71)
Haiti	0.45	382.66	70	312.67	135 (136)
Honduras	0.51	115.49	55.49	60	26 (26)
Hungary	0.79	391.5	52.03	339.47	141 (140)
Iceland	0.88	294.94	51.99	242.95	110 (107)
India	0.58	296.54	53.81	242.73	109 (108)
Indonesia	0.66	140.15	51.97	88.18	46 (44)
Iran (Islamic Republic of)	0.7	256.27	52.05	204.22	99 (97)
Iraq	0.66	98.43	51.97	46.46	22 (20)
Ireland	0.87	393.25	52.19	341.05	142 (141)
Israel	0.81	108	52.06	55.94	25 (23)
Italy	0.81	125.42	52.07	73.35	36 (33)
Jamaica	0.68	262.1	52	210.1	100 (98)
Japan	0.87	286.67	51.97	234.7	107 (105)
Jordan	0.73	64.39	52.08	12.31	6 (4)
Kazakhstan	0.73	416.25	51.97	364.28	145 (144)
Kenya	0.52	1103.08	53.85	1049.23	192 (190)
Kiribati	0.53	516.98	53.79	463.19	166 (164)
Kuwait	0.85	55.23	51.98	3.25	4 (3)
Kyrgyzstan	0.6	254.85	53.72	201.13	97 (96)
Lao People's Democratic Republic	0.49	230.18	56.22	173.96	86 (87)
Latvia	0.83	341.34	51.97	289.37	126 (123)
Lebanon	0.74	66.29	51.99	14.3	9 (7)
Lesotho	0.51	1736.66	55.35	1681.31	202 (202)
Liberia	0.35	548.53	81.44	467.09	168 (166)
Libya	0.73	159.19	51.98	107.21	50 (49)
Lithuania	0.86	423.52	51.99	371.53	147 (146)
Luxembourg	0.88	286.38	52.11	234.26	106 (104)
Madagascar	0.4	1073.66	72.78	1000.88	189 (188)
Malawi	0.38	2634.54	75.89	2558.65	204 (204)
Malaysia	0.74	228.26	51.98	176.28	89 (85)
Maldives	0.65	86.37	52.18	34.19	17 (15)

Mali	0.27	239.99	121.97	118.02	53 (91)
Malta	0.8	179.9	52	127.9	59 (56)
Marshall Islands	0.57	226.81	54.11	172.7	85 (82)
Mauritania	0.5	470.01	56	414.01	159 (154)
Mauritius	0.72	330.71	52.04	278.67	123 (119)
Mexico	0.66	113.82	52.02	61.8	28 (25)
Micronesia (Federated States of)	0.59	251.89	54.04	197.85	95 (93)
Monaco	0.91	408.37	51.98	356.4	143 (142)
Mongolia	0.62	1201.12	52.51	1148.61	195 (194)
Montenegro	0.8	222.27	52.16	170.11	83 (79)
Morocco	0.56	76.74	54.26	22.48	12 (11)
Mozambique	0.33	851.43	121.97	729.45	176 (178)
Myanmar	0.53	206.82	54.08	152.73	69 (68)
Namibia	0.62	252.5	52.35	200.15	96 (94)
Nauru	0.63	314.91	52.02	262.89	117 (115)
Nepal	0.43	343.47	70.01	273.45	119 (124)
Netherlands	0.89	471.15	51.99	419.16	160 (155)
New Zealand	0.85	212.84	52.03	160.8	78 (75)
Nicaragua	0.52	66.87	54.89	11.98	5 (8)
Niger	0.17	387.08	225.45	161.63	79 (138)
Nigeria	0.5	368.8	55.97	312.83	136 (133)
Niue	0.73	211.31	52.18	159.12	75 (72)
North Macedonia	0.75	132.98	51.98	81	43 (39)
Northern Mariana Islands	0.77	211.36	51.96	159.4	77 (74)
Norway	0.92	217.52	52	165.53	80 (76)
Oman	0.77	127.31	51.96	75.35	38 (35)
Pakistan	0.5	599.71	56.43	543.28	170 (169)
Palau	0.75	211.33	52.07	159.26	76 (73)
Palestine	0.63	64.46	52.05	12.41	7 (5)
Panama	0.71	85.62	52.01	33.61	16 (14)
Papua New Guinea	0.42	140.44	71.12	69.32	33 (45)
Paraguay	0.64	387.14	52.1	335.03	140 (139)
Peru	0.66	82.34	52	30.35	15 (13)
Philippines	0.65	126.76	51.97	74.78	37 (34)
Poland	0.81	328.71	51.97	276.74	121 (117)
Portugal	0.74	352.73	51.98	300.75	130 (128)
Puerto Rico	0.83	198.4	52.05	146.35	66 (63)
Qatar	0.85	133.35	52.18	81.17	45 (40)
Republic of Korea	0.89	167.05	52.07	114.97	51 (50)
Republic of Moldova	0.73	221.57	52.07	169.5	82 (78)

Romania	0.77	312.51	52	260.51	116 (114)
Russian Federation	0.81	349.06	52.17	296.89	128 (126)
Rwanda	0.44	1060.89	69.96	990.93	186 (187)
Saint Kitts and Nevis	0.75	358.42	52.1	306.32	133 (131)
Saint Lucia	0.67	375.22	51.96	323.26	138 (135)
Saint Vincent and the Grenadines	0.64	227.62	52.01	175.6	88 (84)
Samoa	0.59	107.61	53.82	53.8	24 (22)
San Marino	0.89	71.2	51.96	19.24	10 (9)
Sao Tome and Principe	0.51	442.44	56.37	386.08	151 (149)
Saudi Arabia	0.82	129.28	52.2	77.08	40 (37)
Senegal	0.41	477.32	73.42	403.89	155 (157)
Serbia	0.79	229.11	52	177.11	90 (86)
Seychelles	0.73	435.41	52.04	383.37	150 (148)
Sierra Leone	0.36	474.29	78.52	395.77	152 (156)
Singapore	0.86	124.86	51.96	72.89	35 (32)
Slovakia	0.81	374.49	52.03	322.46	137 (134)
Slovenia	0.84	210.3	52.02	158.28	73 (70)
Solomon Islands	0.43	226.71	70.19	156.52	72 (81)
Somalia	0.08	1579.8	1579.8	0	1 (200)
South Africa	0.68	1044.48	51.99	992.49	188 (184)
South Sudan	0.28	1573.21	121.98	1451.23	199 (199)
Spain	0.77	235.9	51.96	183.94	92 (89)
Sri Lanka	0.7	353.46	52.02	301.44	131 (129)
Sudan	0.54	357.28	54.03	303.26	132 (130)
Suriname	0.63	167.53	51.97	115.56	52 (51)
Sweden	0.89	186.95	51.97	134.98	62 (58)
Switzerland	0.93	219.53	51.96	167.56	81 (77)
Syrian Arab Republic	0.62	66.24	52.63	13.61	8 (6)
Taiwan (Province of China)	0.87	853.58	51.97	801.6	180 (179)
Tajikistan	0.54	480.64	53.93	426.71	161 (158)
Thailand	0.68	435.25	52.03	383.22	149 (147)
Timor-Leste	0.44	192.48	69.88	122.6	57 (62)
Togo	0.41	587.57	73.33	514.24	169 (168)
Tokelau	0.69	153.33	51.98	101.35	48 (47)
Tonga	0.63	170.51	52.28	118.23	54 (52)
Trinidad and Tobago	0.77	184.41	51.98	132.42	61 (57)
Tunisia	0.68	53.5	51.98	1.52	3 (2)
Turkey	0.68	791.07	52.02	739.05	177 (174)
Turkmenistan	0.58	191.42	53.98	137.43	63 (60)
Tuvalu	#N/A	124.46	51.98	72.48	34 (31)

Uganda	0.42	1456.4	70.33	1386.07	197 (197)
Ukraine	0.76	287.71	52.02	235.69	108 (106)
United Arab Emirates	0.85	93.3	51.99	41.31	19 (17)
United Kingdom	0.86	487.67	52.02	435.65	163 (160)
United Republic of Tanzania	0.45	1093.96	69.89	1024.08	190 (189)
United States Virgin Islands	0.82	190.64	51.98	138.66	64 (59)
United States of America	0.86	309.61	52.02	257.58	115 (112)
Uruguay	0.72	417.69	52.13	365.57	146 (145)
Uzbekistan	0.66	328.96	52.02	276.94	122 (118)
Vanuatu	0.47	201.77	56.33	145.43	65 (66)
Venezuela (Bolivarian Republic of)	0.6	133.94	54.29	79.65	41 (41)
Viet Nam	0.63	245.34	52.16	193.18	94 (92)
Yemen	0.45	335.28	69.82	265.46	118 (121)
Zambia	0.51	1611.39	55.99	1555.4	201 (201)
Zimbabwe	0.47	1518.19	56.35	1461.85	200 (198)
MOEC					
Afghanistan	0.34	919.82	144.4	775.42	170 (171)
Albania	0.71	189.4	93.28	96.12	29 (29)
Algeria	0.66	99.16	96.48	2.67	2 (2)
American Samoa	0.72	201.48	93.34	108.14	35 (35)
Andorra	0.87	143.49	93.32	50.18	13 (12)
Angola	0.45	1016.55	100.51	916.04	175 (175)
Antigua and Barbuda	0.75	408.65	93.29	315.36	111 (110)
Argentina	0.72	592.11	93.29	498.82	145 (145)
Armenia	0.7	146.01	93.28	52.73	14 (13)
Australia	0.84	521.01	93.34	427.67	134 (133)
Austria	0.85	283.41	93.29	190.11	79 (78)
Azerbaijan	0.69	815.57	93.36	722.21	168 (168)
Bahamas	0.81	572.69	93.49	479.2	142 (141)
Bahrain	0.75	396.53	93.38	303.15	108 (107)
Bangladesh	0.49	391.15	97.52	293.63	106 (106)
Barbados	0.75	677.04	93.3	583.74	157 (155)
Belarus	0.78	207.84	93.57	114.27	37 (36)
Belgium	0.85	523.61	93.39	430.22	135 (134)
Belize	0.61	258.77	97.17	161.6	60 (62)
Benin	0.37	672.82	105.39	567.42	155 (154)
Bermuda	0.82	511.76	93.41	418.34	132 (129)
Bhutan	0.47	489.21	99.57	389.65	121 (121)
Bolivia (Plurinational State of)	0.6	375.79	96.93	278.86	100 (102)
Bosnia and Herzegovina	0.72	236.53	93.29	143.23	53 (52)

Botswana	0.64	1154.22	96.54	1057.68	179 (179)
Brazil	0.65	530.23	96.73	433.5	137 (136)
Brunei Darussalam	0.81	277.41	93.28	184.13	76 (73)
Bulgaria	0.77	199.35	93.52	105.83	34 (32)
Burkina Faso	0.29	737.96	152.57	585.39	158 (160)
Burundi	0.29	1378.47	152.65	1225.82	186 (187)
Cabo Verde	0.53	1958.2	97.22	1860.97	198 (199)
Cambodia	0.47	381.32	99.81	281.51	102 (105)
Cameroon	0.48	805.77	99.66	706.12	167 (167)
Canada	0.87	459.72	93.9	365.82	118 (118)
Central African Republic	0.31	1210.26	152.53	1057.72	180 (181)
Chad	0.24	711.58	152.57	559.01	154 (159)
Chile	0.77	502.27	93.29	408.98	128 (126)
China	0.72	2014.55	93.32	1921.23	200 (201)
Colombia	0.66	277.91	96.86	181.05	74 (74)
Comoros	0.48	1640.02	99.77	1540.26	192 (192)
Congo	0.58	1299.28	97.07	1202.2	184 (184)
Cook Islands	0.78	319.58	93.29	226.29	91 (90)
Costa Rica	0.7	225.19	93.29	131.9	45 (45)
Croatia	0.8	267.72	93.28	174.44	69 (68)
Cuba	0.67	499.69	96.31	403.38	125 (124)
Cyprus	0.84	186.68	93.41	93.27	27 (27)
Czechia	0.83	328.09	93.31	234.78	92 (92)
Côte d'Ivoire	#N/A	168.96	93.29	75.67	22 (20)
Democratic People's Republic of Korea	0.57	952.72	97.06	855.66	172 (172)
Democratic Republic of the Congo	0.38	1001.64	104.15	897.5	173 (174)
Denmark	0.9	603.65	93.3	510.35	146 (146)
Djibouti	0.49	1587.29	99.72	1487.57	190 (190)
Dominica	0.75	645.92	93.3	552.62	152 (151)
Dominican Republic	0.62	251.26	96.92	154.34	57 (57)
Ecuador	0.66	200.96	96.91	104.05	33 (34)
Egypt	0.61	156.66	96.99	59.68	17 (16)
El Salvador	0.56	231.24	97.05	134.19	46 (46)
Equatorial Guinea	0.66	1145.65	96.75	1048.91	178 (178)
Eritrea	0.4	1810.99	102.6	1708.39	196 (196)
Estonia	0.84	282.42	93.37	189.05	77 (76)
Eswatini	0.59	1716.97	97.2	1619.77	194 (194)
Ethiopia	0.36	688.34	135.22	553.12	153 (156)
Fiji	0.68	347.15	94.26	252.88	95 (95)

Finland	0.86	362.09	93.29	268.79	99 (99)
France	0.84	430.35	93.29	337.07	115 (114)
Gabon	0.63	1320.71	96.95	1223.76	185 (185)
Gambia	0.41	249.33	101.04	148.29	55 (56)
Georgia	0.73	149.61	93.36	56.25	16 (15)
Germany	0.9	437.82	93.4	344.42	116 (115)
Ghana	0.56	512.16	97.15	415	129 (130)
Greece	0.79	186.16	93.42	92.74	26 (26)
Greenland	0.83	1293.37	93.45	1199.91	183 (183)
Grenada	0.67	584.55	95.61	488.94	143 (143)
Guam	0.8	185.49	93.32	92.16	25 (25)
Guatemala	0.54	260.44	97.03	163.41	62 (64)
Guinea	0.34	174.56	145.15	29.41	6 (24)
Guinea-Bissau	0.35	891.85	144.33	747.52	169 (170)
Guyana	0.65	223.22	96.72	126.49	42 (44)
Haiti	0.45	507.87	100.11	407.76	127 (127)
Honduras	0.51	232.96	97.16	135.8	48 (50)
Hungary	0.79	260.7	93.53	167.17	66 (65)
Iceland	0.88	483.86	93.32	390.55	123 (120)
India	0.58	360.54	96.95	263.59	98 (98)
Indonesia	0.66	218.53	96.87	121.66	41 (41)
Iran (Islamic Republic of)	0.7	587.8	93.28	494.52	144 (144)
Iraq	0.66	163.53	96.5	67.03	19 (18)
Ireland	0.87	753.34	93.29	660.04	164 (164)
Israel	0.81	193.36	93.41	99.95	30 (30)
Italy	0.81	212.31	93.57	118.74	40 (39)
Jamaica	0.68	401.35	93.37	307.99	109 (108)
Japan	0.87	565.84	93.69	472.14	141 (140)
Jordan	0.73	123.68	93.33	30.35	7 (6)
Kazakhstan	0.73	666.83	93.29	573.54	156 (153)
Kenya	0.52	1603.08	97.23	1505.85	191 (191)
Kiribati	0.53	648.55	97.8	550.74	151 (152)
Kuwait	0.85	146.34	93.34	53	15 (14)
Kyrgyzstan	0.6	405.03	96.84	308.2	110 (109)
Lao People's Democratic Republic	0.49	317.53	98.76	218.77	89 (89)
Latvia	0.83	259.91	93.29	166.63	65 (63)
Lebanon	0.74	134.07	93.68	40.4	10 (8)
Lesotho	0.51	1711.14	97.12	1614.03	193 (193)
Liberia	0.35	743.13	145.02	598.11	159 (162)
Libya	0.73	210.87	93.28	117.59	39 (38)

Lithuania	0.86	303.25	93.36	209.89	84 (83)
Luxembourg	0.88	415.3	93.28	322.02	113 (112)
Madagascar	0.4	1352.73	102.19	1250.54	187 (186)
Malawi	0.38	3157.13	104.11	3053.02	203 (204)
Malaysia	0.74	342.49	93.44	249.04	94 (94)
Maldives	0.65	169.14	96.86	72.28	21 (21)
Mali	0.27	324.28	152.64	171.64	68 (91)
Malta	0.8	268.1	93.29	174.81	70 (69)
Marshall Islands	0.57	307.32	96.97	210.34	85 (85)
Mauritania	0.5	751.33	100.13	651.2	163 (163)
Mauritius	0.72	374.8	93.59	281.21	101 (100)
Mexico	0.66	200.35	96.76	103.58	32 (33)
Micronesia (Federated States of)	0.59	308.97	97.19	211.78	87 (87)
Monaco	0.91	701.39	93.29	608.1	161 (157)
Mongolia	0.62	2743.47	97.03	2646.44	202 (203)
Montenegro	0.8	237.01	93.33	143.68	54 (53)
Morocco	0.56	115.95	97.09	18.86	4 (4)
Mozambique	0.33	1272.29	152.76	1119.53	182 (182)
Myanmar	0.53	288.51	96.98	191.53	80 (79)
Namibia	0.62	257.17	97.19	159.98	59 (60)
Nauru	0.63	360.13	96.71	263.42	97 (97)
Nepal	0.43	489.86	100.15	389.71	122 (122)
Netherlands	0.89	876.21	93.28	782.92	171 (169)
New Zealand	0.85	494.28	93.44	400.84	124 (123)
Nicaragua	0.52	120.05	97.1	22.95	5 (5)
Niger	0.17	581.8	282.81	298.98	107 (142)
Nigeria	0.5	633.03	99.41	533.62	150 (149)
Niue	0.73	304.21	93.41	210.8	86 (84)
North Macedonia	0.75	165.01	93.34	71.67	20 (19)
Northern Mariana Islands	0.77	350.45	93.29	257.16	96 (96)
Norway	0.92	409.14	93.68	315.46	112 (111)
Oman	0.77	231.32	93.47	137.85	49 (47)
Pakistan	0.5	785.83	96.81	689.02	165 (165)
Palau	0.75	376.55	93.42	283.13	104 (103)
Palestine	0.63	141.96	97.22	44.74	11 (10)
Panama	0.71	186.92	93.37	93.55	28 (28)
Papua New Guinea	0.42	215.43	100.87	114.57	38 (40)
Paraguay	0.64	502.24	96.75	405.48	126 (125)
Peru	0.66	209.66	96.58	113.07	36 (37)
Philippines	0.65	157.24	96.77	60.46	18 (17)

Poland	0.81	315.63	93.33	222.3	90 (88)
Portugal	0.74	291.75	93.28	198.46	82 (81)
Puerto Rico	0.83	289.29	93.93	195.36	81 (80)
Qatar	0.85	459.69	93.3	366.39	119 (117)
Republic of Korea	0.89	340.53	93.32	247.21	93 (93)
Republic of Moldova	0.73	169.41	93.3	76.11	23 (22)
Romania	0.77	196.21	93.29	102.92	31 (31)
Russian Federation	0.81	307.7	94.14	213.56	88 (86)
Rwanda	0.44	1515.61	100.1	1415.51	189 (189)
Saint Kitts and Nevis	0.75	510.57	93.3	417.28	131 (128)
Saint Lucia	0.67	512.28	96.6	415.69	130 (131)
Saint Vincent and the Grenadines	0.64	296.06	96.84	199.22	83 (82)
Samoa	0.59	134.78	97.07	37.71	9 (9)
San Marino	0.89	107.94	93.29	14.66	3 (3)
Sao Tome and Principe	0.51	621.61	97.98	523.64	149 (148)
Saudi Arabia	0.82	258.28	93.32	164.96	63 (61)
Senegal	0.41	701.57	101.05	600.51	160 (158)
Serbia	0.79	223.03	93.33	129.7	44 (43)
Seychelles	0.73	541.65	93.33	448.31	140 (138)
Sierra Leone	0.36	635.54	112.55	522.99	148 (150)
Singapore	0.86	256.42	93.29	163.13	61 (59)
Slovakia	0.81	274.73	93.33	181.4	75 (70)
Slovenia	0.84	244.78	93.86	150.92	56 (55)
Solomon Islands	0.43	280.57	100.1	180.47	73 (75)
Somalia	0.08	1793.09	1793.09	0	1 (195)
South Africa	0.68	1189.37	95.02	1094.35	181 (180)
South Sudan	0.28	1847.29	152.65	1694.63	195 (197)
Spain	0.77	264.66	93.46	171.2	67 (67)
Sri Lanka	0.7	518.67	93.55	425.12	133 (132)
Sudan	0.54	611.55	97.37	514.18	147 (147)
Suriname	0.63	174.33	97	77.33	24 (23)
Sweden	0.89	375.57	93.28	282.29	103 (101)
Switzerland	0.93	379.48	93.44	286.05	105 (104)
Syrian Arab Republic	0.62	127.6	96.65	30.95	8 (7)
Taiwan (Province of China)	0.87	534.79	93.36	441.43	138 (137)
Tajikistan	0.54	997.59	96.48	901.11	174 (173)
Thailand	0.68	416.89	93.3	323.59	114 (113)
Timor-Leste	0.44	276.29	100.13	176.16	71 (72)
Togo	0.41	739.25	101.26	637.99	162 (161)
Tokelau	0.69	236.44	93.31	143.12	52 (51)

Tonga	0.63	262.93	97.25	165.68	64 (66)
Trinidad and Tobago	0.77	231.42	93.36	138.06	50 (48)
Tunisia	0.68	93.28	93.28	0	1 (1)
Turkey	0.68	1125.78	93.35	1032.44	177 (177)
Turkmenistan	0.58	254.5	97.11	157.4	58 (58)
Tuvalu	#N/A	219.86	93.28	126.58	43 (42)
Uganda	0.42	1875.12	100.34	1774.78	197 (198)
Ukraine	0.76	143.06	93.36	49.7	12 (11)
United Arab Emirates	0.85	476.91	93.83	383.08	120 (119)
United Kingdom	0.86	1022.14	93.38	928.76	176 (176)
United Republic of Tanzania	0.45	1480.51	100.09	1380.41	188 (188)
United States Virgin Islands	0.82	282.53	93.32	189.21	78 (77)
United States of America	0.86	457.69	93.29	364.4	117 (116)
Uruguay	0.72	789.74	93.46	696.28	166 (166)
Uzbekistan	0.66	527.39	96.89	430.49	136 (135)
Vanuatu	0.47	275.94	98.63	177.31	72 (71)
Venezuela (Bolivarian Republic of)	0.6	239.44	96.58	142.86	51 (54)
Viet Nam	0.63	232.47	97.14	135.33	47 (49)
Yemen	0.45	548.19	100.1	448.09	139 (139)
Zambia	0.51	1966.5	97.11	1869.39	199 (200)
Zimbabwe	0.47	2060.26	99.76	1960.49	201 (202)

Notes: ASDR rates are reported per 100,000 population.

Abbreviations: DALYs: disability-adjusted life years; EOEC, early-onset esophageal cancer; MOEC, middle-onset esophageal cancer; LOEC, late-onset esophageal cancer; SDI: socio-demographic index; ASDR, age-standardized disability-adjusted life year rate; UI: uncertainty interval.

Supplementary Table S9. Frontier DALYs, and effective difference of EOEC, MOEC and LOEC **in male** in 2021, by country or territory.

Country/Territory	SDI	ASDR	Frontier DALYs	Effective difference	Effective difference rank (ASDR rank)
EOEC					
Afghanistan	0.34	44.31	10.74	33.57	119 (129)
Albania	0.71	18.06	4.25	13.81	48 (46)
Algeria	0.66	5.21	4.25	0.95	3 (2)
American Samoa	0.72	24.69	4.26	20.43	69 (67)
Andorra	0.87	15.11	4.26	10.84	39 (38)
Angola	0.45	83.03	4.87	78.15	172 (171)
Antigua and Barbuda	0.75	20.58	4.25	16.33	54 (52)
Argentina	0.72	28.88	4.25	24.63	81 (78)
Armenia	0.7	6.61	4.26	2.36	7 (6)
Australia	0.84	34.09	4.25	29.84	97 (94)
Austria	0.85	22.07	4.27	17.8	60 (58)
Azerbaijan	0.69	39.22	4.25	34.97	121 (119)
Bahamas	0.81	110.75	4.25	106.5	186 (185)
Bahrain	0.75	9.26	4.25	5	20 (18)
Bangladesh	0.49	29.86	4.69	25.16	84 (82)
Barbados	0.75	64.21	4.25	59.96	161 (159)
Belarus	0.78	47.96	4.26	43.7	140 (139)
Belgium	0.85	39.31	4.27	35.04	122 (120)
Belize	0.61	34.5	4.26	30.24	100 (97)
Benin	0.37	58.59	7.31	51.28	156 (155)
Bermuda	0.82	49.61	4.25	45.35	146 (144)
Bhutan	0.47	31.34	4.61	26.73	86 (86)
Bolivia (Plurinational State of)	0.6	15.07	4.27	10.8	38 (37)
Bosnia and Herzegovina	0.72	23.68	4.26	19.42	63 (61)
Botswana	0.64	93.24	4.25	88.99	177 (176)
Brazil	0.65	79.68	4.25	75.42	170 (169)
Brunei Darussalam	0.81	14.82	4.26	10.56	36 (35)
Bulgaria	0.77	36.17	4.25	31.92	109 (107)
Burkina Faso	0.29	61.01	10.77	50.23	153 (157)
Burundi	0.29	89.86	10.86	79	174 (175)
Cabo Verde	0.53	211.91	4.38	207.53	199 (199)
Cambodia	0.47	33.12	4.8	28.31	92 (92)
Cameroon	0.48	84.82	4.62	80.2	176 (172)
Canada	0.87	36.71	4.27	32.43	114 (112)
Central African Republic	0.31	127.98	10.74	117.24	190 (191)
Chad	0.24	57.47	10.76	46.71	148 (153)

Chile	0.77	19.72	4.26	15.46	52 (48)
China	0.72	131.52	4.25	127.27	193 (192)
Colombia	0.66	16.53	4.25	12.28	43 (40)
Comoros	0.48	104.15	4.75	99.41	183 (182)
Congo	0.58	105.5	4.26	101.25	184 (183)
Cook Islands	0.78	37.44	4.26	33.18	117 (115)
Costa Rica	0.7	17.27	4.27	13	45 (42)
Croatia	0.8	33.87	4.26	29.62	96 (93)
Cuba	0.67	64.8	4.26	60.55	164 (162)
Cyprus	0.84	12.08	4.25	7.83	30 (28)
Czechia	0.83	32.57	4.26	28.31	91 (89)
Côte d'Ivoire	#N/A	12.89	4.26	8.63	32 (30)
Democratic People's Republic of Korea	0.57	137.46	4.25	133.21	195 (194)
Democratic Republic of the Congo	0.38	71.28	5.58	65.7	165 (164)
Denmark	0.9	34.23	4.27	29.95	98 (95)
Djibouti	0.49	108.75	4.7	104.05	185 (184)
Dominica	0.75	58.6	4.27	54.33	158 (156)
Dominican Republic	0.62	35.05	4.25	30.79	104 (101)
Ecuador	0.66	11.52	4.28	7.24	26 (24)
Egypt	0.61	7.36	4.25	3.11	9 (8)
El Salvador	0.56	27.34	4.28	23.07	78 (75)
Equatorial Guinea	0.66	98.74	4.26	94.47	181 (179)
Eritrea	0.4	138.92	5.29	133.63	196 (195)
Estonia	0.84	24.37	4.25	20.12	66 (64)
Eswatini	0.59	298.69	4.25	294.44	203 (203)
Ethiopia	0.36	35.29	5.81	29.48	95 (102)
Fiji	0.68	29.42	4.27	25.16	83 (81)
Finland	0.86	23.74	4.27	19.47	64 (62)
France	0.84	35.56	4.25	31.31	105 (103)
Gabon	0.63	121.7	4.25	117.45	191 (189)
Gambia	0.41	20.14	5.29	14.86	50 (51)
Georgia	0.73	11.21	4.28	6.94	25 (23)
Germany	0.9	35.99	4.26	31.74	107 (105)
Ghana	0.56	36.09	4.28	31.82	108 (106)
Greece	0.79	20.59	4.25	16.33	55 (53)
Greenland	0.83	97.77	4.25	93.52	180 (178)
Grenada	0.67	62.62	4.25	58.37	160 (158)
Guam	0.8	49.61	4.25	45.36	147 (145)

Guatemala	0.54	18.02	4.28	13.74	46 (44)
Guinea	0.34	14.39	10.74	3.65	13 (32)
Guinea-Bissau	0.35	103.13	10.68	92.45	179 (181)
Guyana	0.65	36.72	4.25	32.47	115 (113)
Haiti	0.45	45.67	4.88	40.8	132 (131)
Honduras	0.51	8.36	4.54	3.82	14 (13)
Hungary	0.79	34.53	4.25	30.28	101 (98)
Iceland	0.88	47.93	4.26	43.67	139 (138)
India	0.58	35.81	4.25	31.56	106 (104)
Indonesia	0.66	12.92	4.26	8.66	33 (31)
Iran (Islamic Republic of)	0.7	29.06	4.25	24.8	82 (80)
Iraq	0.66	8.75	4.25	4.5	17 (15)
Ireland	0.87	41.83	4.25	37.58	125 (123)
Israel	0.81	12.37	4.25	8.12	31 (29)
Italy	0.81	16.06	4.25	11.81	40 (39)
Jamaica	0.68	32.96	4.25	28.71	93 (90)
Japan	0.87	16.55	4.26	12.29	44 (41)
Jordan	0.73	7.2	4.25	2.95	8 (7)
Kazakhstan	0.73	34.81	4.25	30.56	103 (100)
Kenya	0.52	82.98	4.38	78.6	173 (170)
Kiribati	0.53	114.14	4.49	109.64	188 (187)
Kuwait	0.85	5.86	4.27	1.6	6 (5)
Kyrgyzstan	0.6	23.54	4.26	19.28	62 (60)
Lao People's Democratic Republic	0.49	27.69	4.7	22.98	77 (76)
Latvia	0.83	36.26	4.25	32.01	110 (108)
Lebanon	0.74	7.53	4.28	3.26	12 (11)
Lesotho	0.51	244.69	4.51	240.18	202 (202)
Liberia	0.35	66.19	10.69	55.51	159 (163)
Libya	0.73	21.41	4.27	17.14	58 (56)
Lithuania	0.86	51.53	4.25	47.28	150 (147)
Luxembourg	0.88	27.9	4.27	23.62	79 (77)
Madagascar	0.4	84.98	5.29	79.69	175 (173)
Malawi	0.38	339.76	5.64	334.12	204 (204)
Malaysia	0.74	25.28	4.26	21.02	71 (69)
Maldives	0.65	9.88	4.25	5.63	21 (19)
Mali	0.27	22.82	10.76	12.06	41 (59)
Malta	0.8	26.3	4.25	22.05	75 (73)
Marshall Islands	0.57	42.23	4.25	37.98	126 (124)
Mauritania	0.5	49.79	4.64	45.15	144 (146)
Mauritius	0.72	58.33	4.25	54.08	157 (154)

Mexico	0.66	20.63	4.28	16.35	56 (54)
Micronesia (Federated States of)	0.59	48.16	4.27	43.89	141 (140)
Monaco	0.91	64.31	4.25	60.06	162 (160)
Mongolia	0.62	111.24	4.27	106.97	187 (186)
Montenegro	0.8	32.97	4.25	28.72	94 (91)
Morocco	0.56	4.32	4.25	0.06	2 (1)
Mozambique	0.33	88.15	10.74	77.41	171 (174)
Myanmar	0.53	25.24	4.35	20.89	70 (68)
Namibia	0.62	38.36	4.26	34.1	120 (118)
Nauru	0.63	64.75	4.25	60.5	163 (161)
Nepal	0.43	38.28	4.96	33.32	118 (117)
Netherlands	0.89	34.62	4.26	30.37	102 (99)
New Zealand	0.85	21.84	4.25	17.59	59 (57)
Nicaragua	0.52	9.2	4.48	4.73	19 (17)
Niger	0.17	38	18.72	19.27	61 (116)
Nigeria	0.5	47.9	4.6	43.31	138 (137)
Niue	0.73	31.74	4.25	27.48	90 (88)
North Macedonia	0.75	14.61	4.27	10.34	35 (34)
Northern Mariana Islands	0.77	31.06	4.27	26.78	87 (84)
Norway	0.92	18.04	4.26	13.79	47 (45)
Oman	0.77	8.23	4.25	3.98	15 (12)
Pakistan	0.5	53.54	4.63	48.91	151 (150)
Palau	0.75	44.09	4.25	39.84	130 (128)
Palestine	0.63	5.65	4.25	1.4	5 (4)
Panama	0.71	11.66	4.25	7.41	27 (25)
Papua New Guinea	0.42	17.42	5.16	12.27	42 (43)
Paraguay	0.64	49.52	4.27	45.25	145 (143)
Peru	0.66	10.56	4.28	6.28	23 (21)
Philippines	0.65	20.64	4.27	16.38	57 (55)
Poland	0.81	36.39	4.25	32.14	113 (110)
Portugal	0.74	46.64	4.25	42.39	135 (134)
Puerto Rico	0.83	43.21	4.25	38.96	129 (127)
Qatar	0.85	10.03	4.26	5.76	22 (20)
Republic of Korea	0.89	11.95	4.26	7.69	29 (27)
Republic of Moldova	0.73	19.76	4.25	15.5	53 (49)
Romania	0.77	40.9	4.25	36.65	124 (122)
Russian Federation	0.81	48.99	4.25	44.74	142 (141)
Rwanda	0.44	95.25	4.88	90.37	178 (177)
Saint Kitts and Nevis	0.75	39.52	4.25	35.27	123 (121)
Saint Lucia	0.67	72.66	4.25	68.41	167 (166)

Saint Vincent and the Grenadines	0.64	47.26	4.25	43.01	137 (136)
Samoa	0.59	8.83	4.27	4.56	18 (16)
San Marino	0.89	11.17	4.26	6.91	24 (22)
Sao Tome and Principe	0.51	45.79	4.58	41.21	133 (132)
Saudi Arabia	0.82	11.91	4.27	7.64	28 (26)
Senegal	0.41	56.43	5.24	51.19	155 (152)
Serbia	0.79	24.64	4.27	20.37	68 (66)
Seychelles	0.73	78.22	4.25	73.97	169 (168)
Sierra Leone	0.36	52.46	5.74	46.72	149 (148)
Singapore	0.86	8.46	4.25	4.21	16 (14)
Slovakia	0.81	46.68	4.27	42.41	136 (135)
Slovenia	0.84	26.12	4.26	21.86	73 (71)
Solomon Islands	0.43	43.1	4.88	38.22	127 (126)
Somalia	0.08	134.72	134.72	0	1 (193)
South Africa	0.68	127.16	4.25	122.9	192 (190)
South Sudan	0.28	139.75	10.79	128.96	194 (196)
Spain	0.77	26.48	4.26	22.23	76 (74)
Sri Lanka	0.7	42.79	4.25	38.54	128 (125)
Sudan	0.54	36.33	4.26	32.07	112 (109)
Suriname	0.63	25.3	4.25	21.05	72 (70)
Sweden	0.89	14.86	4.25	10.61	37 (36)
Switzerland	0.93	24.44	4.25	20.19	67 (65)
Syrian Arab Republic	0.62	7.46	4.25	3.21	10 (9)
Taiwan (Province of China)	0.87	220.36	4.25	216.11	201 (201)
Tajikistan	0.54	45	4.29	40.71	131 (130)
Thailand	0.68	117.09	4.27	112.82	189 (188)
Timor-Leste	0.44	20	4.87	15.13	51 (50)
Togo	0.41	74.02	5.23	68.78	168 (167)
Tokelau	0.69	23.91	4.25	19.65	65 (63)
Tonga	0.63	26.24	4.25	21.99	74 (72)
Trinidad and Tobago	0.77	31.51	4.26	27.25	89 (87)
Tunisia	0.68	5.29	4.25	1.04	4 (3)
Turkey	0.68	71.3	4.25	67.04	166 (165)
Turkmenistan	0.58	34.33	4.25	30.07	99 (96)
Tuvalu	#N/A	14.49	4.25	10.24	34 (33)
Uganda	0.42	170.82	5.02	165.8	197 (197)
Ukraine	0.76	49.07	4.25	44.82	143 (142)
United Arab Emirates	0.85	7.5	4.25	3.25	11 (10)
United Kingdom	0.86	54.51	4.27	50.24	154 (151)

United Republic of Tanzania	0.45	100.93	4.88	96.05	182 (180)
United States Virgin Islands	0.82	53.19	4.26	48.93	152 (149)
United States of America	0.86	36.75	4.25	32.49	116 (114)
Uruguay	0.72	45.82	4.26	41.56	134 (133)
Uzbekistan	0.66	30.28	4.26	26.02	85 (83)
Vanuatu	0.47	36.67	4.63	32.04	111 (111)
Venezuela Republic of)	(Bolivarian 0.6	18.78	4.27	14.51	49 (47)
Viet Nam	0.63	31.25	4.25	27	88 (85)
Yemen	0.45	29.03	4.88	24.16	80 (79)
Zambia	0.51	172.4	4.59	167.81	198 (198)
Zimbabwe	0.47	217.79	4.63	213.17	200 (200)
MOEC					
Afghanistan	0.34	496.18	118.21	377.97	106 (116)
Albania	0.71	189.64	67.77	121.87	37 (35)
Algeria	0.66	72.13	67.84	4.3	3 (2)
American Samoa	0.72	224.01	67.76	156.24	45 (44)
Andorra	0.87	178.61	67.99	110.62	34 (32)
Angola	0.45	1149.02	67.94	1081.08	177 (176)
Antigua and Barbuda	0.75	359.48	67.89	291.59	78 (76)
Argentina	0.72	541.61	68.02	473.59	122 (121)
Armenia	0.7	152.74	67.88	84.86	24 (22)
Australia	0.84	450.59	67.82	382.77	108 (105)
Austria	0.85	367.61	68.31	299.3	84 (82)
Azerbaijan	0.69	693.19	67.8	625.39	147 (145)
Bahamas	0.81	953.59	68.01	885.58	169 (168)
Bahrain	0.75	133.31	67.75	65.56	19 (17)
Bangladesh	0.49	371.75	68.07	303.68	86 (84)
Barbados	0.75	735.13	68.55	666.58	154 (152)
Belarus	0.78	789.13	67.84	721.29	165 (162)
Belgium	0.85	584.7	68.59	516.11	127 (127)
Belize	0.61	315.71	67.84	247.88	61 (60)
Benin	0.37	771.69	76.85	694.84	162 (159)
Bermuda	0.82	612.78	68.74	544.04	137 (136)
Bhutan	0.47	363.06	67.96	295.11	81 (79)
Bolivia (Plurinational State of)	0.6	228.58	68.31	160.27	46 (45)
Bosnia and Herzegovina	0.72	386.05	67.95	318.1	94 (92)
Botswana	0.64	1290.44	68.33	1222.11	183 (182)
Brazil	0.65	873.76	68.03	805.73	166 (165)
Brunei Darussalam	0.81	267.28	68.33	198.95	54 (52)
Bulgaria	0.77	449.31	67.95	381.36	107 (104)

Burkina Faso	0.29	809.58	147.22	662.36	153 (164)
Burundi	0.29	1105.39	147.34	958.05	175 (175)
Cabo Verde	0.53	2895.95	68.2	2827.75	201 (201)
Cambodia	0.47	416.71	68.71	348	98 (96)
Cameroon	0.48	1029.98	67.82	962.16	176 (173)
Canada	0.87	474.49	67.97	406.52	111 (107)
Central African Republic	0.31	1627.54	147.27	1480.28	190 (191)
Chad	0.24	746.11	147.24	598.87	142 (156)
Chile	0.77	259.7	67.74	191.96	53 (51)
China	0.72	1739.6	67.78	1671.82	197 (196)
Colombia	0.66	186.11	67.86	118.25	35 (34)
Comoros	0.48	1262.25	68.37	1193.87	182 (181)
Congo	0.58	1403.66	68.31	1335.35	186 (185)
Cook Islands	0.78	376.35	67.82	308.53	92 (90)
Costa Rica	0.7	199.89	67.92	131.97	40 (39)
Croatia	0.8	494.07	67.82	426.25	118 (115)
Cuba	0.67	937.87	67.74	870.12	168 (167)
Cyprus	0.84	167.75	67.84	99.91	25 (23)
Czechia	0.83	559.95	67.78	492.16	124 (123)
Côte d'Ivoire	#N/A	168.52	68.33	100.19	26 (24)
Democratic People's Republic of Korea	0.57	1601.3	68.42	1532.87	191 (189)
Democratic Republic of the Congo	0.38	1031.28	74.92	956.36	174 (174)
Denmark	0.9	612.32	68.44	543.87	136 (135)
Djibouti	0.49	1384.23	67.93	1316.29	185 (184)
Dominica	0.75	738.23	67.8	670.43	157 (153)
Dominican Republic	0.62	331.08	68.11	262.97	69 (68)
Ecuador	0.66	109.52	68.33	41.19	14 (11)
Egypt	0.61	107.04	67.74	39.3	11 (9)
El Salvador	0.56	233.93	68.53	165.41	48 (46)
Equatorial Guinea	0.66	1356.64	69.09	1287.55	184 (183)
Eritrea	0.4	1521	71.94	1449.06	189 (188)
Estonia	0.84	566.26	67.9	498.36	125 (124)
Eswatini	0.59	3312.51	68.31	3244.2	203 (203)
Ethiopia	0.36	491.75	105.21	386.53	109 (112)
Fiji	0.68	361.78	68.58	293.2	80 (78)
Finland	0.86	376.24	68.84	307.4	90 (89)
France	0.84	582.08	68.04	514.03	126 (125)
Gabon	0.63	1621.12	68.36	1552.76	192 (190)

Gambia	0.41	257.55	71.85	185.71	51 (49)
Georgia	0.73	175.22	67.91	107.31	31 (29)
Germany	0.9	588.88	67.8	521.08	131 (129)
Ghana	0.56	419.95	68.57	351.38	99 (97)
Greece	0.79	257.76	68.42	189.34	52 (50)
Greenland	0.83	1515.83	67.83	1448	188 (187)
Grenada	0.67	776.09	68.65	707.44	163 (160)
Guam	0.8	336.69	68.08	268.61	72 (70)
Guatemala	0.54	171.51	67.9	103.62	29 (27)
Guinea	0.34	183.69	146.28	37.4	10 (33)
Guinea-Bissau	0.35	1200.62	118.24	1082.38	178 (179)
Guyana	0.65	339.65	67.86	271.79	74 (72)
Haiti	0.45	528.33	68.13	460.21	119 (118)
Honduras	0.51	176.59	67.88	108.71	33 (31)
Hungary	0.79	743.43	68.38	675.05	158 (155)
Iceland	0.88	479.27	67.76	411.52	113 (109)
India	0.58	374.15	67.94	306.21	88 (86)
Indonesia	0.66	171.87	67.86	104.01	30 (28)
Iran (Islamic Republic of)	0.7	336.89	67.83	269.06	73 (71)
Iraq	0.66	130.65	68.6	62.05	18 (16)
Ireland	0.87	608.81	67.74	541.06	135 (134)
Israel	0.81	168.76	68.32	100.44	27 (26)
Italy	0.81	212.82	67.86	144.97	42 (41)
Jamaica	0.68	420.23	68.11	352.13	101 (98)
Japan	0.87	492.01	68.34	423.67	116 (113)
Jordan	0.73	88.37	68.57	19.8	6 (5)
Kazakhstan	0.73	607.79	67.86	539.93	134 (133)
Kenya	0.52	1190.46	68.33	1122.13	180 (178)
Kiribati	0.53	967.63	68.12	899.51	171 (170)
Kuwait	0.85	71.86	68.3	3.56	2 (1)
Kyrgyzstan	0.6	397.46	68.6	328.87	96 (94)
Lao People's Democratic Republic	0.49	319.8	67.89	251.91	65 (64)
Latvia	0.83	713.18	67.78	645.4	151 (149)
Lebanon	0.74	108.71	68.24	40.47	12 (10)
Lesotho	0.51	2979.32	67.91	2911.41	202 (202)
Liberia	0.35	794.82	119.04	675.78	159 (163)
Libya	0.73	274.93	68.11	206.82	55 (53)
Lithuania	0.86	909.25	67.86	841.39	167 (166)
Luxembourg	0.88	485.13	67.82	417.31	115 (111)
Madagascar	0.4	1028.02	71.94	956.08	173 (172)

Malawi	0.38	3637.59	75.18	3562.41	204 (204)
Malaysia	0.74	328.44	68.94	259.5	67 (66)
Maldives	0.65	109.61	68.65	40.97	13 (12)
Mali	0.27	310.58	147.4	163.18	47 (58)
Malta	0.8	291.52	67.84	223.68	57 (55)
Marshall Islands	0.57	374.71	68.31	306.4	89 (87)
Mauritania	0.5	694.86	68.6	626.27	148 (146)
Mauritius	0.72	538.96	67.79	471.17	121 (120)
Mexico	0.66	191.08	68.3	122.78	38 (36)
Micronesia (Federated States of)	0.59	432.53	68.12	364.41	105 (103)
Monaco	0.91	554.55	68.25	486.3	123 (122)
Mongolia	0.62	1663.64	68.45	1595.19	194 (193)
Montenegro	0.8	415.23	67.77	347.47	97 (95)
Morocco	0.56	85.49	68.21	17.28	5 (4)
Mozambique	0.33	1505.11	148.75	1356.36	187 (186)
Myanmar	0.53	318.06	68.42	249.64	64 (63)
Namibia	0.62	462.94	68.33	394.6	110 (106)
Nauru	0.63	584.23	67.81	516.42	128 (126)
Nepal	0.43	428.98	67.84	361.14	104 (102)
Netherlands	0.89	734.82	67.99	666.82	155 (151)
New Zealand	0.85	341.48	68.02	273.46	75 (73)
Nicaragua	0.52	112.47	68.32	44.15	15 (13)
Niger	0.17	525.71	260.88	264.83	70 (117)
Nigeria	0.5	597.81	67.98	529.83	133 (132)
Niue	0.73	375.42	67.78	307.64	91 (88)
North Macedonia	0.75	223.93	68.65	155.28	44 (43)
Northern Mariana Islands	0.77	356.47	68.3	288.16	77 (75)
Norway	0.92	360.54	68.86	291.68	79 (77)
Oman	0.77	168.58	67.78	100.8	28 (25)
Pakistan	0.5	596.63	67.97	528.65	132 (131)
Palau	0.75	315.17	67.77	247.39	60 (59)
Palestine	0.63	90.06	68.01	22.05	7 (6)
Panama	0.71	135.43	68.13	67.31	20 (18)
Papua New Guinea	0.42	191.21	70.53	120.67	36 (37)
Paraguay	0.64	681.79	67.91	613.88	143 (141)
Peru	0.66	123.38	68	55.38	17 (15)
Philippines	0.65	205	68.39	136.61	41 (40)
Poland	0.81	586.48	68.34	518.14	129 (128)
Portugal	0.74	685.17	67.94	617.23	145 (143)
Puerto Rico	0.83	370.95	68.6	302.36	85 (83)

Qatar	0.85	149.78	67.8	81.97	23 (21)
Republic of Korea	0.89	316.53	67.88	248.65	63 (61)
Republic of Moldova	0.73	474.5	67.88	406.61	112 (108)
Romania	0.77	588.93	68.54	520.39	130 (130)
Russian Federation	0.81	686.74	68.58	618.16	146 (144)
Rwanda	0.44	1224.96	68.37	1156.59	181 (180)
Saint Kitts and Nevis	0.75	643.37	68.14	575.23	140 (139)
Saint Lucia	0.67	683.26	67.8	615.46	144 (142)
Saint Vincent and the Grenadines	0.64	388.79	68.86	319.93	95 (93)
Samoa	0.59	118.93	68.63	50.3	16 (14)
San Marino	0.89	136.5	68.01	68.49	21 (19)
Sao Tome and Principe	0.51	699.53	69.16	630.37	149 (147)
Saudi Arabia	0.82	136.96	67.75	69.2	22 (20)
Senegal	0.41	738.92	71.38	667.55	156 (154)
Serbia	0.79	420.45	67.98	352.47	102 (99)
Seychelles	0.73	752.78	68.61	684.17	160 (157)
Sierra Leone	0.36	670.05	84.59	585.46	141 (140)
Singapore	0.86	196.95	68.47	128.48	39 (38)
Slovakia	0.81	721.62	67.97	653.65	152 (150)
Slovenia	0.84	373.44	68.03	305.41	87 (85)
Solomon Islands	0.43	351.28	68.74	282.54	76 (74)
Somalia	0.08	1704.86	1704.86	0	1 (195)
South Africa	0.68	1650.67	68.58	1582.09	193 (192)
South Sudan	0.28	1763.26	147.36	1615.9	195 (197)
Spain	0.77	421.68	68.43	353.25	103 (101)
Sri Lanka	0.7	483.16	67.99	415.17	114 (110)
Sudan	0.54	420.62	69.01	351.61	100 (100)
Suriname	0.63	287.26	68.64	218.61	56 (54)
Sweden	0.89	296.49	67.78	228.72	58 (56)
Switzerland	0.93	365.45	68.58	296.88	83 (81)
Syrian Arab Republic	0.62	95.8	67.83	27.97	8 (7)
Taiwan (Province of China)	0.87	1692.87	67.83	1625.04	196 (194)
Tajikistan	0.54	624.62	68.48	556.13	138 (138)
Thailand	0.68	783.79	68.58	715.21	164 (161)
Timor-Leste	0.44	239.58	68.72	170.85	49 (47)
Togo	0.41	974.64	71.25	903.4	172 (171)
Tokelau	0.69	253.34	68.1	185.25	50 (48)
Tonga	0.63	298.06	68.32	229.74	59 (57)
Trinidad and Tobago	0.77	316.63	68.31	248.32	62 (62)
Tunisia	0.68	78.6	68.98	9.62	4 (3)

Turkey	0.68	963.33	68.35	894.97	170 (169)
Turkmenistan	0.58	325.13	68.11	257.02	66 (65)
Tuvalu	#N/A	176.04	67.78	108.25	32 (30)
Uganda	0.42	2041.17	69.48	1971.68	199 (199)
Ukraine	0.76	624.41	68.12	556.29	139 (137)
United Arab Emirates	0.85	101.02	68.05	32.96	9 (8)
United Kingdom	0.86	760.25	68.33	691.92	161 (158)
United Republic of Tanzania	0.45	1178.06	67.86	1110.19	179 (177)
United States Virgin Islands	0.82	333.94	67.77	266.16	71 (69)
United States of America	0.86	537.64	67.77	469.87	120 (119)
Uruguay	0.72	712.2	68.06	644.14	150 (148)
Uzbekistan	0.66	363.65	67.74	295.91	82 (80)
Vanuatu	0.47	329.47	68.41	261.07	68 (67)
Venezuela Republic of)	(Bolivarian 0.6	221.11	67.79	153.32	43 (42)
Viet Nam	0.63	492.5	68.31	424.19	117 (114)
Yemen	0.45	384.1	68.4	315.7	93 (91)
Zambia	0.51	1949.26	67.88	1881.39	198 (198)
Zimbabwe	0.47	2179.86	68.45	2111.41	200 (200)
MOEC					
Afghanistan	0.34	754.26	172.82	581.44	122 (134)
Albania	0.71	253.58	91.87	161.72	23 (21)
Algeria	0.66	119.23	92.44	26.79	2 (1)
American Samoa	0.72	327.51	91.69	235.82	40 (38)
Andorra	0.87	254.38	92.87	161.51	22 (22)
Angola	0.45	1430.43	92.19	1338.23	178 (177)
Antigua and Barbuda	0.75	567.53	92.12	475.41	100 (98)
Argentina	0.72	955.2	93.09	862.1	152 (149)
Armenia	0.7	235.12	92.04	143.09	19 (18)
Australia	0.84	796.9	91.95	704.95	139 (137)
Austria	0.85	503.09	91.73	411.36	82 (80)
Azerbaijan	0.69	1217.36	91.69	1125.66	170 (167)
Bahamas	0.81	1112.47	91.9	1020.58	165 (163)
Bahrain	0.75	569.81	91.87	477.94	101 (99)
Bangladesh	0.49	431.62	91.91	339.72	69 (67)
Barbados	0.75	1101.96	91.97	1009.99	163 (162)
Belarus	0.78	507.18	92.09	415.09	84 (82)
Belgium	0.85	867.33	91.69	775.63	143 (142)
Belize	0.61	379.37	91.87	287.51	56 (54)
Benin	0.37	957.38	98	859.38	151 (150)

Bermuda	0.82	983.32	92.88	890.44	157 (156)
Bhutan	0.47	563.18	91.71	471.47	97 (95)
Bolivia (Plurinational State of)	0.6	566.52	91.75	474.78	99 (97)
Bosnia and Herzegovina	0.72	354.19	91.96	262.23	47 (45)
Botswana	0.64	1794.11	91.79	1702.32	190 (190)
Brazil	0.65	878.05	92.09	785.96	145 (143)
Brunei Darussalam	0.81	385.72	92.08	293.63	59 (57)
Bulgaria	0.77	349.44	91.72	257.72	46 (44)
Burkina Faso	0.29	951.41	173.51	777.9	144 (147)
Burundi	0.29	1321.61	173.55	1148.06	172 (174)
Cabo Verde	0.53	4105.13	92.09	4013.04	204 (204)
Cambodia	0.47	529.82	91.72	438.1	90 (88)
Cameroon	0.48	1199.54	91.84	1107.69	167 (165)
Canada	0.87	755.69	91.73	663.96	137 (135)
Central African Republic	0.31	1555.77	172.8	1382.97	179 (181)
Chad	0.24	829.65	172.86	656.79	135 (139)
Chile	0.77	726.65	91.74	634.91	128 (126)
China	0.72	3296.99	92.35	3204.64	202 (202)
Colombia	0.66	432.24	93	339.23	68 (68)
Comoros	0.48	1631.7	92.94	1538.76	186 (185)
Congo	0.58	1759.23	92.27	1666.96	188 (188)
Cook Islands	0.78	598.9	92.11	506.78	105 (103)
Costa Rica	0.7	370.04	91.72	278.32	54 (52)
Croatia	0.8	509.04	91.88	417.17	85 (83)
Cuba	0.67	861.93	92.11	769.82	142 (141)
Cyprus	0.84	298.92	91.9	207.03	30 (29)
Czechia	0.83	601.55	91.85	509.7	108 (106)
Côte d'Ivoire	#N/A	190.12	91.71	98.41	10 (8)
Democratic People's Republic of Korea	0.57	1624.77	92.66	1532.11	185 (184)
Democratic Republic of the Congo	0.38	1246.15	120.58	1125.57	169 (170)
Denmark	0.9	968.04	91.98	876.06	155 (153)
Djibouti	0.49	1746.36	91.77	1654.6	187 (187)
Dominica	0.75	1050.28	91.74	958.54	160 (159)
Dominican Republic	0.62	361.93	92.89	269.05	50 (48)
Ecuador	0.66	326.7	91.87	234.83	39 (37)
Egypt	0.61	178.82	91.69	87.13	9 (7)
El Salvador	0.56	357.43	92.23	265.2	48 (46)
Equatorial Guinea	0.66	1817.17	91.84	1725.33	191 (191)

Eritrea	0.4	1616.83	94.53	1522.3	184 (183)
Estonia	0.84	652.41	92.28	560.12	117 (115)
Eswatini	0.59	3039.03	91.69	2947.35	200 (200)
Ethiopia	0.36	696.02	105.26	590.76	124 (123)
Fiji	0.68	584.38	91.89	492.49	103 (101)
Finland	0.86	540.73	92.98	447.76	91 (89)
France	0.84	753.24	91.69	661.56	136 (133)
Gabon	0.63	2109.96	92.8	2017.17	194 (194)
Gambia	0.41	309.48	94.51	214.96	34 (33)
Georgia	0.73	267.35	91.85	175.5	25 (24)
Germany	0.9	743.76	92.15	651.61	132 (130)
Ghana	0.56	558.29	91.95	466.34	94 (92)
Greece	0.79	297.61	91.69	205.92	29 (28)
Greenland	0.83	1914.39	91.7	1822.69	193 (193)
Grenada	0.67	1218.54	92.66	1125.88	171 (168)
Guam	0.8	388.84	91.79	297.04	61 (59)
Guatemala	0.54	362.21	91.73	270.48	51 (49)
Guinea	0.34	217.05	172.97	44.07	5 (14)
Guinea-Bissau	0.35	1220.25	172.73	1047.51	166 (169)
Guyana	0.65	324.05	92.33	231.72	38 (36)
Haiti	0.45	612.28	91.85	520.43	109 (107)
Honduras	0.51	346.87	91.8	255.08	44 (42)
Hungary	0.79	512.82	91.89	420.93	87 (85)
Iceland	0.88	674.13	93.1	581.03	121 (120)
India	0.58	440	92.74	347.26	71 (70)
Indonesia	0.66	225.77	92.89	132.88	17 (16)
Iran (Islamic Republic of)	0.7	731.09	91.91	639.18	129 (127)
Iraq	0.66	226.66	92.42	134.24	18 (17)
Ireland	0.87	1065.31	91.69	973.62	161 (160)
Israel	0.81	259.56	93.15	166.41	24 (23)
Italy	0.81	345.17	91.8	253.37	43 (40)
Jamaica	0.68	619.35	92.31	527.04	111 (109)
Japan	0.87	1091.84	91.7	1000.13	162 (161)
Jordan	0.73	158.91	92.39	66.51	7 (5)
Kazakhstan	0.73	980.95	91.86	889.09	156 (155)
Kenya	0.52	1505.08	91.81	1413.27	181 (179)
Kiribati	0.53	1306.18	91.71	1214.47	175 (173)
Kuwait	0.85	194.39	92.07	102.33	11 (9)
Kyrgyzstan	0.6	641.17	91.88	549.29	115 (113)
Lao People's Democratic Republic	0.49	391.39	91.71	299.68	62 (61)

Latvia	0.83	620.01	92.01	527.99	112 (110)
Lebanon	0.74	199.05	91.75	107.3	14 (12)
Lesotho	0.51	2751.18	91.81	2659.38	199 (199)
Liberia	0.35	972.38	172.74	799.63	147 (154)
Libya	0.73	358.66	91.7	266.96	49 (47)
Lithuania	0.86	743	91.84	651.16	131 (129)
Luxembourg	0.88	679.82	92.29	587.53	123 (121)
Madagascar	0.4	1208.57	94.98	1113.59	168 (166)
Malawi	0.38	4002.19	97.96	3904.23	203 (203)
Malaysia	0.74	470.25	91.95	378.3	79 (77)
Maldives	0.65	197	93.06	103.94	13 (11)
Mali	0.27	387.44	172.85	214.59	33 (58)
Malta	0.8	392.17	92.48	299.69	63 (62)
Marshall Islands	0.57	466.6	91.8	374.81	77 (75)
Mauritania	0.5	986.33	91.7	894.64	158 (157)
Mauritius	0.72	561.83	92.09	469.74	96 (94)
Mexico	0.66	315.42	91.84	223.58	37 (35)
Micronesia (Federated States of)	0.59	542.26	91.95	450.31	92 (90)
Monaco	0.91	747.24	92.73	654.51	134 (132)
Mongolia	0.62	3267.92	91.79	3176.14	201 (201)
Montenegro	0.8	451.36	92.02	359.34	75 (74)
Morocco	0.56	131.03	92.76	38.27	4 (3)
Mozambique	0.33	2230.13	172.77	2057.36	195 (196)
Myanmar	0.53	389.31	92.52	296.79	60 (60)
Namibia	0.62	440.86	92.77	348.09	72 (71)
Nauru	0.63	668.74	91.94	576.8	120 (118)
Nepal	0.43	587.66	92.41	495.24	104 (102)
Netherlands	0.89	1391.35	92.09	1299.26	176 (175)
New Zealand	0.85	710.88	92.18	618.7	127 (125)
Nicaragua	0.52	201.85	91.74	110.11	15 (13)
Niger	0.17	673.96	308.73	365.23	76 (119)
Nigeria	0.5	851.59	92.11	759.48	141 (140)
Niue	0.73	616.07	91.76	524.31	110 (108)
North Macedonia	0.75	253.44	92.1	161.34	21 (20)
Northern Mariana Islands	0.77	578.13	91.79	486.34	102 (100)
Norway	0.92	662.51	91.8	570.71	119 (117)
Oman	0.77	347.1	91.71	255.39	45 (43)
Pakistan	0.5	693.9	92.11	601.79	125 (122)
Palau	0.75	369.72	91.82	277.9	53 (51)
Palestine	0.63	217.67	91.99	125.68	16 (15)

Panama	0.71	301.36	92.74	208.63	31 (30)
Papua New Guinea	0.42	290.51	93.83	196.68	28 (27)
Paraguay	0.64	885.8	92.09	793.72	146 (144)
Peru	0.66	330.57	91.7	238.87	41 (39)
Philippines	0.65	240.81	91.8	149.02	20 (19)
Poland	0.81	548.99	91.7	457.29	93 (91)
Portugal	0.74	528.64	92.33	436.31	89 (87)
Puerto Rico	0.83	521.05	91.69	429.36	88 (86)
Qatar	0.85	599.41	91.69	507.72	106 (104)
Republic of Korea	0.89	732.11	92.5	639.61	130 (128)
Republic of Moldova	0.73	363.26	92.08	271.18	52 (50)
Romania	0.77	376.34	91.84	284.5	55 (53)
Russian Federation	0.81	640.57	91.71	548.86	114 (112)
Rwanda	0.44	1592.6	91.69	1500.91	183 (182)
Saint Kitts and Nevis	0.75	942.18	92.43	849.75	148 (145)
Saint Lucia	0.67	958.5	92.88	865.61	153 (151)
Saint Vincent and the Grenadines	0.64	511.14	91.81	419.32	86 (84)
Samoa	0.59	137.38	92.38	45	6 (4)
San Marino	0.89	196.37	92.49	103.88	12 (10)
Sao Tome and Principe	0.51	943.48	91.79	851.69	149 (146)
Saudi Arabia	0.82	278.4	91.69	186.72	26 (25)
Senegal	0.41	952.06	94.35	857.72	150 (148)
Serbia	0.79	384.48	93.18	291.3	57 (56)
Seychelles	0.73	964.24	92.49	871.75	154 (152)
Sierra Leone	0.36	786.26	105.98	680.28	138 (136)
Singapore	0.86	445.5	91.75	353.75	73 (72)
Slovakia	0.81	565.36	91.72	473.64	98 (96)
Slovenia	0.84	450.04	92.29	357.75	74 (73)
Solomon Islands	0.43	404.82	92.48	312.33	66 (65)
Somalia	0.08	1657.51	1657.51	0	1 (186)
South Africa	0.68	1767.89	91.71	1676.19	189 (189)
South Sudan	0.28	1902.17	172.74	1729.43	192 (192)
Spain	0.77	500.73	92.23	408.5	80 (78)
Sri Lanka	0.7	599.65	91.83	507.82	107 (105)
Sudan	0.54	744.41	92.13	652.27	133 (131)
Suriname	0.63	282.28	91.74	190.54	27 (26)
Sweden	0.89	559.69	92.01	467.68	95 (93)
Switzerland	0.93	623.89	91.72	532.17	113 (111)
Syrian Arab Republic	0.62	170.37	91.9	78.47	8 (6)
Taiwan (Province of China)	0.87	1008.66	91.7	916.96	159 (158)

Tajikistan	0.54	1304.13	92.11	1212.01	173 (171)
Thailand	0.68	662.07	91.69	570.38	118 (116)
Timor-Leste	0.44	304.98	91.98	212.99	32 (31)
Togo	0.41	1112.76	95.32	1017.44	164 (164)
Tokelau	0.69	399.45	91.99	307.46	65 (64)
Tonga	0.63	469.48	92.88	376.61	78 (76)
Trinidad and Tobago	0.77	393.62	92.18	301.44	64 (63)
Tunisia	0.68	128.74	91.95	36.79	3 (2)
Turkey	0.68	1543.56	91.69	1451.87	182 (180)
Turkmenistan	0.58	439.09	92.08	347.01	70 (69)
Tuvalu	#N/A	307.46	91.69	215.76	35 (32)
Uganda	0.42	2302.26	93.28	2208.98	197 (197)
Ukraine	0.76	345.62	92.5	253.12	42 (41)
United Arab Emirates	0.85	314.31	92.11	222.2	36 (34)
United Kingdom	0.86	1478	91.69	1386.31	180 (178)
United Republic of Tanzania	0.45	1416.48	92.41	1324.07	177 (176)
United States Virgin Islands	0.82	501.55	92.28	409.26	81 (79)
United States of America	0.86	819.8	92.09	727.7	140 (138)
Uruguay	0.72	1304.28	91.89	1212.39	174 (172)
Uzbekistan	0.66	703.53	91.69	611.84	126 (124)
Vanuatu	0.47	423.2	91.73	331.47	67 (66)
Venezuela (Bolivarian Republic of)	0.6	384.38	91.7	292.68	58 (55)
Viet Nam	0.63	505.45	92.04	413.41	83 (81)
Yemen	0.45	647.25	91.72	555.52	116 (114)
Zambia	0.51	2186.74	92.56	2094.17	196 (195)
Zimbabwe	0.47	2704.47	91.7	2612.77	198 (198)

Notes: ASDR rates are reported per 100,000 population.

Abbreviations: DALYs: disability-adjusted life years; EOEC, early-onset esophageal cancer; MOEC, middle-onset esophageal cancer; LOEC, late-onset esophageal cancer; SDI: socio-demographic index; ASDR, age-standardized disability-adjusted life year rate; UI: uncertainty interval.

Supplementary Table S10. Frontier DALYs, and effective difference of EOEC, MOEC and LOEC in female in 2021, by country or territory.

Country/Territory	SDI	ASDR	Frontier DALYs	Effective difference	Effective difference rank (ASDR rank)
EOEC					
Afghanistan	0.34	96.41	5.34	91.07	195 (199)
Albania	0.71	5.46	1.98	3.48	56 (62)
Algeria	0.66	3.44	2.41	1.03	12 (25)
American Samoa	0.72	4	1.71	2.29	37 (35)
Andorra	0.87	1.24	1.24	0	1 (2)
Angola	0.45	36.93	3.28	33.66	176 (180)
Antigua and Barbuda	0.75	7.8	1.67	6.13	103 (99)
Argentina	0.72	10.08	1.67	8.41	122 (120)
Armenia	0.7	2.43	1.92	0.5	6 (9)
Australia	0.84	6.28	1.27	5.01	82 (73)
Austria	0.85	2.83	1.27	1.56	18 (17)
Azerbaijan	0.69	20.52	1.91	18.61	158 (160)
Bahamas	0.81	10.16	1.71	8.45	123 (121)
Bahrain	0.75	6.87	1.69	5.19	88 (85)
Bangladesh	0.49	28.15	2.96	25.2	165 (169)
Barbados	0.75	11	1.68	9.32	128 (125)
Belarus	0.78	2.85	1.67	1.18	15 (19)
Belgium	0.85	7.56	1.27	6.29	105 (97)
Belize	0.61	6.67	2.51	4.16	72 (82)
Benin	0.37	12.6	4.86	7.75	117 (133)
Bermuda	0.82	5.22	1.39	3.83	63 (55)
Bhutan	0.47	28.68	3.1	25.57	166 (170)
Bolivia (Plurinational State of)	0.6	8.24	2.51	5.73	96 (105)
Bosnia and Herzegovina	0.72	6.3	1.69	4.61	77 (74)
Botswana	0.64	34.54	2.41	32.13	174 (178)
Brazil	0.65	14.2	2.44	11.76	143 (146)
Brunei Darussalam	0.81	6.97	1.68	5.3	91 (87)
Bulgaria	0.77	8.82	1.67	7.15	112 (110)
Burkina Faso	0.29	15.35	5.82	9.53	130 (148)
Burundi	0.29	69.21	5.83	63.37	186 (192)
Cabo Verde	0.53	10.32	2.53	7.79	118 (123)
Cambodia	0.47	19.28	3.13	16.15	155 (159)
Cameroon	0.48	14.05	3.15	10.9	138 (143)
Canada	0.87	6.91	1.24	5.68	95 (86)

Central African Republic	0.31	59.05	5.71	53.34	178 (185)
Chad	0.24	17.01	5.97	11.04	139 (155)
Chile	0.77	7.55	1.68	5.87	99 (96)
China	0.72	13.68	1.85	11.84	145 (140)
Colombia	0.66	6.75	2.42	4.33	75 (84)
Comoros	0.48	83.49	3.09	80.4	192 (196)
Congo	0.58	57.88	2.54	55.35	180 (183)
Cook Islands	0.78	2.66	1.68	0.98	11 (14)
Costa Rica	0.7	4.62	1.94	2.68	44 (48)
Croatia	0.8	4.16	1.68	2.49	39 (40)
Cuba	0.67	8.24	2.43	5.81	97 (104)
Cyprus	0.84	1.8	1.32	0.48	5 (4)
Czechia	0.83	5.14	1.34	3.8	61 (52)
Côte d'Ivoire	#N/A	5.24	1.05	4.19	73 (56)
Democratic People's Republic of Korea	0.57	21.15	2.56	18.59	157 (161)
Democratic Republic of the Congo	0.38	40.81	4.9	35.91	177 (181)
Denmark	0.9	7.49	1.04	6.45	107 (95)
Djibouti	0.49	59.67	3.05	56.62	182 (186)
Dominica	0.75	12.09	1.68	10.41	134 (131)
Dominican Republic	0.62	9.54	2.48	7.05	110 (114)
Ecuador	0.66	4.14	2.42	1.72	23 (39)
Egypt	0.61	5.18	2.51	2.67	43 (54)
El Salvador	0.56	6.6	2.53	4.07	70 (80)
Equatorial Guinea	0.66	33.93	2.42	31.5	172 (177)
Eritrea	0.4	104.4	4.6	99.8	198 (203)
Estonia	0.84	1.94	1.28	0.67	8 (5)
Eswatini	0.59	68.04	2.56	65.49	188 (191)
Ethiopia	0.36	32.14	5.24	26.9	167 (172)
Fiji	0.68	9.09	2.4	6.69	108 (111)
Finland	0.86	7.16	1.27	5.89	100 (89)
France	0.84	6.4	1.32	5.08	85 (76)
Gabon	0.63	33.81	2.45	31.37	171 (176)
Gambia	0.41	7.69	4.13	3.56	57 (98)
Georgia	0.73	2.23	1.68	0.55	7 (7)
Germany	0.9	5.91	0.87	5.04	83 (70)
Ghana	0.56	14.13	2.53	11.6	141 (144)
Greece	0.79	4.17	1.67	2.5	40 (41)
Greenland	0.83	33.09	1.36	31.73	173 (174)

Grenada	0.67	8.06	2.43	5.62	94 (102)
Guam	0.8	2.08	1.69	0.38	4 (6)
Guatemala	0.54	8.72	2.54	6.18	104 (108)
Guinea	0.34	5.31	5.31	0	1 (60)
Guinea-Bissau	0.35	25.46	5.38	20.09	160 (166)
Guyana	0.65	8.79	2.42	6.38	106 (109)
Haiti	0.45	21.87	3.41	18.46	156 (163)
Honduras	0.51	5.29	2.93	2.35	38 (58)
Hungary	0.79	5.52	1.69	3.83	62 (64)
Iceland	0.88	9.39	1.24	8.15	120 (113)
India	0.58	27.71	2.54	25.18	164 (168)
Indonesia	0.66	13.57	2.42	11.15	140 (139)
Iran (Islamic Republic of)	0.7	16.99	1.97	15.02	151 (154)
Iraq	0.66	7.32	2.42	4.9	80 (93)
Ireland	0.87	13.74	1.24	12.5	146 (141)
Israel	0.81	3.27	1.68	1.59	20 (21)
Italy	0.81	3.57	1.69	1.88	29 (30)
Jamaica	0.68	10.05	2.3	7.74	116 (119)
Japan	0.87	6.72	1.24	5.48	93 (83)
Jordan	0.73	3.47	1.67	1.8	24 (26)
Kazakhstan	0.73	25.46	1.71	23.75	162 (165)
Kenya	0.52	72.23	2.75	69.48	189 (193)
Kiribati	0.53	16.79	2.54	14.26	150 (153)
Kuwait	0.85	3.28	1.27	2.01	33 (23)
Kyrgyzstan	0.6	11.91	2.51	9.39	129 (130)
Lao People's Democratic Republic	0.49	18.11	3.05	15.06	152 (158)
Latvia	0.83	2.29	1.33	0.96	10 (8)
Lebanon	0.74	2.75	1.67	1.08	13 (15)
Lesotho	0.51	75.45	2.93	72.52	190 (194)
Liberia	0.35	15.93	5.27	10.66	136 (150)
Libya	0.73	3.59	1.7	1.89	30 (32)
Lithuania	0.86	2.78	1.27	1.5	17 (16)
Luxembourg	0.88	4.7	1.24	3.46	55 (49)
Madagascar	0.4	89.74	4.56	85.17	194 (197)
Malawi	0.38	133.5	4.8	128.69	199 (204)
Malaysia	0.74	9.79	1.68	8.1	119 (116)
Maldives	0.65	6.12	2.42	3.7	59 (72)
Mali	0.27	11.01	5.9	5.11	86 (126)
Malta	0.8	5.33	1.67	3.66	58 (61)

Marshall Islands	0.57	9.62	2.56	7.07	111 (115)
Mauritania	0.5	12.59	2.95	9.64	131 (132)
Mauritius	0.72	17.83	1.75	16.08	154 (157)
Mexico	0.66	5.52	2.44	3.09	47 (65)
Micronesia (Federated States of)	0.59	8.4	2.56	5.84	98 (106)
Monaco	0.91	23.11	0.87	22.24	161 (164)
Mongolia	0.62	81.83	2.5	79.33	191 (195)
Montenegro	0.8	3.56	1.7	1.86	27 (29)
Morocco	0.56	5.66	2.55	3.11	49 (68)
Mozambique	0.33	13.09	5.46	7.63	115 (135)
Myanmar	0.53	16.12	2.54	13.58	149 (152)
Namibia	0.62	6.64	2.5	4.15	71 (81)
Nauru	0.63	10.67	2.47	8.2	121 (124)
Nepal	0.43	32.8	3.54	29.26	169 (173)
Netherlands	0.89	9.87	1.1	8.77	124 (118)
New Zealand	0.85	5.31	1.27	4.04	69 (59)
Nicaragua	0.52	2.53	2.53	0	1 (13)
Niger	0.17	13.27	12.18	1.09	14 (137)
Nigeria	0.5	9.85	2.94	6.91	109 (117)
Niue	0.73	5.97	1.71	4.26	74 (71)
North Macedonia	0.75	3.27	1.67	1.6	21 (22)
Northern Mariana Islands	0.77	4.31	1.68	2.63	42 (43)
Norway	0.92	4.09	1.1	2.99	45 (37)
Oman	0.77	3.52	1.67	1.85	26 (27)
Pakistan	0.5	58.36	2.94	55.42	181 (184)
Palau	0.75	11.64	1.69	9.95	132 (128)
Palestine	0.63	3.34	2.45	0.88	9 (24)
Panama	0.71	3.99	1.88	2.11	35 (34)
Papua New Guinea	0.42	7.82	3.81	4.01	68 (100)
Paraguay	0.64	7.86	2.42	5.44	92 (101)
Peru	0.66	4.58	2.41	2.18	36 (47)
Philippines	0.65	8.54	2.42	6.11	102 (107)
Poland	0.81	6.51	1.69	4.82	79 (77)
Portugal	0.74	5.63	1.67	3.95	66 (67)
Puerto Rico	0.83	4.53	1.44	3.09	48 (46)
Qatar	0.85	5.26	1.27	3.98	67 (57)
Republic of Korea	0.89	2.49	1.24	1.25	16 (12)
Republic of Moldova	0.73	1.69	1.69	0	2 (3)
Romania	0.77	4.84	1.68	3.15	51 (50)

Russian Federation	0.81	9.24	1.67	7.57	114 (112)
Rwanda	0.44	65.71	3.71	62	184 (189)
Saint Kitts and Nevis	0.75	5.04	1.72	3.32	53 (51)
Saint Lucia	0.67	7.47	2.42	5.05	84 (94)
Saint Vincent and the Grenadines	0.64	5.46	2.4	3.06	46 (63)
Samoa	0.59	7.29	2.53	4.77	78 (92)
San Marino	0.89	0.83	0.83	0	1 (1)
Sao Tome and Principe	0.51	11.88	2.98	8.9	125 (129)
Saudi Arabia	0.82	13.11	1.44	11.67	142 (136)
Senegal	0.41	13.51	4.53	8.98	126 (138)
Serbia	0.79	3.71	1.68	2.03	34 (33)
Seychelles	0.73	14.18	1.67	12.51	147 (145)
Sierra Leone	0.36	15.48	5.25	10.23	133 (149)
Singapore	0.86	2.84	1.28	1.57	19 (18)
Slovakia	0.81	4.24	1.67	2.57	41 (42)
Slovenia	0.84	3.2	1.28	1.92	32 (20)
Solomon Islands	0.43	11.13	3.75	7.38	113 (127)
Somalia	0.08	97.68	97.68	0	1 (200)
South Africa	0.68	56.84	2.06	54.78	179 (182)
South Sudan	0.28	89.98	5.85	84.12	193 (198)
Spain	0.77	3.54	1.67	1.87	28 (28)
Sri Lanka	0.7	21.73	1.97	19.76	159 (162)
Sudan	0.54	29.81	2.53	27.28	168 (171)
Suriname	0.63	5.69	2.45	3.24	52 (69)
Sweden	0.89	4.09	0.95	3.14	50 (36)
Switzerland	0.93	4.32	0.98	3.34	54 (44)
Syrian Arab Republic	0.62	4.12	2.47	1.65	22 (38)
Taiwan (Province of China)	0.87	5.16	1.24	3.92	65 (53)
Tajikistan	0.54	33.18	2.54	30.63	170 (175)
Thailand	0.68	17.17	2.03	15.14	153 (156)
Timor-Leste	0.44	14.03	3.42	10.61	135 (142)
Togo	0.41	16.03	4.26	11.77	144 (151)
Tokelau	0.69	7.29	2.09	5.2	89 (91)
Tonga	0.63	4.32	2.48	1.84	25 (45)
Trinidad and Tobago	0.77	5.61	1.7	3.91	64 (66)
Tunisia	0.68	2.48	2.21	0.27	3 (11)
Turkey	0.68	63.93	2.32	61.61	183 (187)
Turkmenistan	0.58	7.12	2.54	4.58	76 (88)
Tuvalu	#N/A	10.25	1.04	9.22	127 (122)

Uganda	0.42	65.67	3.61	62.06	185 (188)
Ukraine	0.76	3.57	1.68	1.9	31 (31)
United Arab Emirates	0.85	6.52	1.27	5.24	90 (79)
United Kingdom	0.86	14.62	1.27	13.35	148 (147)
United Republic of Tanzania	0.45	66.97	3.4	63.58	187 (190)
United States Virgin Islands	0.82	6.52	1.37	5.15	87 (78)
United States of America	0.86	7.25	1.27	5.98	101 (90)
Uruguay	0.72	12.61	1.82	10.79	137 (134)
Uzbekistan	0.66	35.06	2.45	32.61	175 (179)
Vanuatu	0.47	8.14	3.15	4.99	81 (103)
Venezuela (Bolivarian Republic of)	0.6	6.34	2.55	3.79	60 (75)
Viet Nam	0.63	2.45	2.45	0	1 (10)
Yemen	0.45	27.46	3.43	24.03	163 (167)
Zambia	0.51	99.68	2.93	96.74	197 (202)
Zimbabwe	0.47	98.37	3.16	95.21	196 (201)
MOEC					
Afghanistan	0.34	840.9	58.53	782.37	186 (189)
Albania	0.71	48.67	27.48	21.19	31 (38)
Algeria	0.66	32.21	28.52	3.69	7 (14)
American Samoa	0.72	36.76	24.98	11.78	18 (19)
Andorra	0.87	15.99	15.99	0	1 (2)
Angola	0.45	482.57	37.92	444.65	178 (180)
Antigua and Barbuda	0.75	120.95	24.98	95.97	122 (121)
Argentina	0.72	150.35	24.99	125.36	135 (134)
Armenia	0.7	39.49	28.09	11.4	17 (24)
Australia	0.84	85.55	18.03	67.52	93 (90)
Austria	0.85	51.9	16.83	35.08	58 (45)
Azerbaijan	0.69	270.65	27.86	242.79	164 (164)
Bahamas	0.81	91.94	22.4	69.54	97 (97)
Bahrain	0.75	81.19	24.98	56.2	80 (86)
Bangladesh	0.49	250.27	33.82	216.45	156 (155)
Barbados	0.75	137.44	24.99	112.45	131 (128)
Belarus	0.78	34.68	23.85	10.82	15 (16)
Belgium	0.85	121.52	16.83	104.69	126 (122)
Belize	0.61	82.14	28.57	53.57	78 (87)
Benin	0.37	216.52	40.91	175.61	145 (146)
Bermuda	0.82	61.09	21.67	39.42	64 (59)

Bhutan	0.47	247.61	35.25	212.35	153 (153)
Bolivia (Plurinational State of)	0.6	93.05	29.08	63.98	92 (100)
Bosnia and Herzegovina	0.72	75.07	24.99	50.08	75 (77)
Botswana	0.64	411.56	28.48	383.08	173 (175)
Brazil	0.65	176.21	28.57	147.64	137 (140)
Brunei Darussalam	0.81	91.87	22.38	69.49	96 (96)
Bulgaria	0.77	73.39	24.97	48.42	74 (73)
Burkina Faso	0.29	257.11	90.72	166.39	143 (158)
Burundi	0.29	978.14	90.73	887.41	190 (194)
Cabo Verde	0.53	189.8	28.48	161.32	142 (144)
Cambodia	0.47	160.12	35.25	124.87	134 (135)
Cameroon	0.48	226.62	35.01	191.61	147 (150)
Canada	0.87	97.88	16.13	81.75	114 (107)
Central African Republic	0.31	740.59	88.15	652.44	183 (187)
Chad	0.24	315.22	92.98	222.24	160 (170)
Chile	0.77	95.86	24.97	70.89	104 (103)
China	0.72	317.15	24.97	292.18	169 (171)
Colombia	0.66	62.05	28.57	33.48	55 (62)
Comoros	0.48	1122.87	35.05	1087.82	197 (199)
Congo	0.58	683.65	28.5	655.15	184 (185)
Cook Islands	0.78	24.74	24.68	0.05	3 (5)
Costa Rica	0.7	43.04	28.04	15	23 (29)
Croatia	0.8	50.51	22.38	28.13	42 (42)
Cuba	0.67	123.62	28.5	95.12	119 (124)
Cyprus	0.84	31.05	18.71	12.34	21 (11)
Czechia	0.83	66.36	18.82	47.54	73 (65)
Côte d'Ivoire	#N/A	80.97	11.43	69.54	98 (85)
Democratic People's Republic of Korea	0.57	324.53	28.53	296	170 (172)
Democratic Republic of the Congo	0.38	594	41.47	552.53	180 (182)
Denmark	0.9	160.34	11.95	148.4	139 (136)
Djibouti	0.49	906.01	33.69	872.32	189 (191)
Dominica	0.75	145.61	24.97	120.64	132 (132)
Dominican Republic	0.62	87.25	28.54	58.71	82 (93)
Ecuador	0.66	39.37	28.71	10.66	14 (23)
Egypt	0.61	54.63	28.53	26.09	39 (50)
El Salvador	0.56	64.17	28.49	35.68	59 (63)
Equatorial Guinea	0.66	427.74	28.5	399.24	175 (176)

Eritrea	0.4	1351.11	39.4	1311.7	200 (201)
Estonia	0.84	29.59	17.75	11.84	19 (9)
Eswatini	0.59	734.3	28.58	705.72	185 (186)
Ethiopia	0.36	429.5	42.57	386.93	174 (177)
Fiji	0.68	99.1	28.55	70.54	101 (108)
Finland	0.86	99.28	16.38	82.9	115 (109)
France	0.84	106.68	18.07	88.61	117 (115)
Gabon	0.63	431.77	28.67	403.11	176 (178)
Gambia	0.41	123.32	38.62	84.7	116 (123)
Georgia	0.73	36.26	24.96	11.3	16 (18)
Germany	0.9	109.11	11.21	97.9	124 (117)
Ghana	0.56	217.25	28.52	188.73	146 (147)
Greece	0.79	49.19	23.39	25.8	37 (40)
Greenland	0.83	454.12	20.3	433.83	177 (179)
Grenada	0.67	99.6	28.73	70.87	103 (111)
Guam	0.8	24.26	22.53	1.72	5 (4)
Guatemala	0.54	74.31	28.52	45.79	70 (75)
Guinea	0.34	82.97	52.3	30.67	51 (88)
Guinea-Bissau	0.35	361.18	42.37	318.8	172 (174)
Guyana	0.65	90.78	28.55	62.23	86 (94)
Haiti	0.45	251.4	38.02	213.38	155 (156)
Honduras	0.51	61.47	32.03	29.44	47 (60)
Hungary	0.79	84.91	23.41	61.49	85 (89)
Iceland	0.88	111.2	16.08	95.12	120 (118)
India	0.58	221.1	28.82	192.28	148 (148)
Indonesia	0.66	108.84	28.53	80.31	111 (116)
Iran (Islamic Republic of)	0.7	176.12	28.25	147.86	138 (139)
Iraq	0.66	66.16	28.76	37.4	60 (64)
Ireland	0.87	182.84	16.16	166.68	144 (141)
Israel	0.81	51.37	22.38	28.99	44 (44)
Italy	0.81	43.74	22.38	21.36	32 (31)
Jamaica	0.68	104.12	28.53	75.6	108 (113)
Japan	0.87	86.45	16.1	70.35	100 (91)
Jordan	0.73	37.02	24.97	12.05	20 (21)
Kazakhstan	0.73	266.63	24.96	241.67	163 (163)
Kenya	0.52	1021.61	28.65	992.96	194 (196)
Kiribati	0.53	149.67	28.57	121.09	133 (133)
Kuwait	0.85	31.59	17.1	14.48	22 (12)
Kyrgyzstan	0.6	138.34	28.51	109.83	129 (129)
Lao People's	0.49	143.14	33.91	109.24	128 (130)

Democratic Republic					
Latvia	0.83	47.33	18.91	28.41	43 (35)
Lebanon	0.74	31.64	24.97	6.67	9 (13)
Lesotho	0.51	867.51	32.78	834.74	188 (190)
Liberia	0.35	272.9	44.22	228.67	162 (165)
Libya	0.73	41.47	24.98	16.49	26 (27)
Lithuania	0.86	42.17	16.72	25.45	35 (28)
Luxembourg	0.88	79.37	16.11	63.26	89 (82)
Madagascar	0.4	1118.31	39.56	1078.75	196 (198)
Malawi	0.38	1746.27	40.88	1705.39	201 (204)
Malaysia	0.74	128.78	24.97	103.81	125 (126)
Maldives	0.65	57.65	28.49	29.15	46 (54)
Mali	0.27	164.14	91.62	72.52	106 (138)
Malta	0.8	68.54	22.38	46.16	71 (69)
Marshall Islands	0.57	79.5	28.53	50.97	77 (83)
Mauritania	0.5	249.68	32.79	216.89	157 (154)
Mauritius	0.72	134.85	25.01	109.85	130 (127)
Mexico	0.66	45.47	28.82	16.65	27 (32)
Micronesia (Federated States of)	0.59	75.86	28.48	47.37	72 (78)
Monaco	0.91	261.85	11.12	250.73	165 (161)
Mongolia	0.62	839.38	28.51	810.87	187 (188)
Montenegro	0.8	40.81	22.54	18.27	28 (25)
Morocco	0.56	67.66	28.58	39.08	63 (67)
Mozambique	0.33	282.65	85.03	197.62	150 (167)
Myanmar	0.53	117.42	28.49	88.93	118 (119)
Namibia	0.62	86.97	28.51	58.47	81 (92)
Nauru	0.63	92.12	28.54	63.58	91 (98)
Nepal	0.43	265.76	37.35	228.41	161 (162)
Netherlands	0.89	209.52	11.21	198.32	151 (145)
New Zealand	0.85	91.19	17.27	73.92	107 (95)
Nicaragua	0.52	28.48	28.48	0	1 (7)
Niger	0.17	255.45	187.33	68.12	95 (157)
Nigeria	0.5	188.15	32.85	155.29	140 (142)
Niue	0.73	46.5	24.96	21.54	33 (33)
North Macedonia	0.75	40.95	24.97	15.98	25 (26)
Northern Mariana Islands	0.77	50.76	24.96	25.8	36 (43)
Norway	0.92	71.31	11.54	59.78	83 (71)
Oman	0.77	69.6	24.96	44.64	67 (70)
Pakistan	0.5	603.17	32.78	570.39	181 (183)

Palau	0.75	103.31	24.96	78.35	110 (112)
Palestine	0.63	38.04	28.49	9.54	13 (22)
Panama	0.71	36.79	27.42	9.37	12 (20)
Papua New Guinea	0.42	80.26	37.41	42.85	66 (84)
Paraguay	0.64	99.3	28.53	70.78	102 (110)
Peru	0.66	43.56	28.48	15.08	24 (30)
Philippines	0.65	53.17	28.59	24.57	34 (47)
Poland	0.81	94.19	22.4	71.79	105 (101)
Portugal	0.74	58.62	24.97	33.65	56 (57)
Puerto Rico	0.83	50.15	19.31	30.84	52 (41)
Qatar	0.85	94.84	17.17	77.67	109 (102)
Republic of Korea	0.89	21.1	16.17	4.93	8 (3)
Republic of Moldova	0.73	25.01	24.98	0.04	2 (6)
Romania	0.77	58.17	24.96	33.21	54 (56)
Russian Federation	0.81	92.61	22.41	70.2	99 (99)
Rwanda	0.44	931.43	37.69	893.74	191 (192)
Saint Kitts and Nevis	0.75	78.79	24.96	53.83	79 (81)
Saint Lucia	0.67	73.31	28.48	44.83	68 (72)
Saint Vincent and the Grenadines	0.64	48.84	28.54	20.3	30 (39)
Samoa	0.59	96.02	28.49	67.53	94 (104)
San Marino	0.89	11.12	11.12	0	1 (1)
Sao Tome and Principe	0.51	189.14	33.14	155.99	141 (143)
Saudi Arabia	0.82	117.81	21.63	96.18	123 (120)
Senegal	0.41	231.72	39.08	192.64	149 (151)
Serbia	0.79	52.67	23.13	29.54	48 (46)
Seychelles	0.73	105.71	24.98	80.72	112 (114)
Sierra Leone	0.36	260.51	42.61	217.91	158 (160)
Singapore	0.86	46.74	16.54	30.2	50 (34)
Slovakia	0.81	54.83	22.45	32.39	53 (51)
Slovenia	0.84	47.57	17.67	29.9	49 (36)
Solomon Islands	0.43	97.27	37.35	59.92	84 (105)
Somalia	0.08	1481.21	1481.21	0	1 (203)
South Africa	0.68	564.91	28.54	536.37	179 (181)
South Sudan	0.28	1361.41	91.37	1270.04	199 (202)
Spain	0.77	59.53	24.96	34.57	57 (58)
Sri Lanka	0.7	240.43	28.07	212.36	154 (152)
Sudan	0.54	282.08	28.61	253.46	167 (166)
Suriname	0.63	55.69	28.5	27.19	41 (53)
Sweden	0.89	76.84	13.81	63.03	88 (80)
Switzerland	0.93	74.29	11.53	62.76	87 (74)

Syrian Arab Republic	0.62	35.46	28.52	6.94	10 (17)
Taiwan (Province of China)	0.87	61.88	16.14	45.74	69 (61)
Tajikistan	0.54	345.35	28.68	316.67	171 (173)
Thailand	0.68	124.23	28.5	95.72	121 (125)
Timor-Leste	0.44	143.5	37.37	106.13	127 (131)
Togo	0.41	257.5	38.26	219.24	159 (159)
Tokelau	0.69	54.94	28.53	26.41	40 (52)
Tonga	0.63	47.95	28.63	19.32	29 (37)
Trinidad and Tobago	0.77	54.09	24.96	29.14	45 (48)
Tunisia	0.68	28.84	28.54	0.31	4 (8)
Turkey	0.68	651.03	28.49	622.54	182 (184)
Turkmenistan	0.58	67.06	28.51	38.54	62 (66)
Tuvalu	#N/A	74.64	11.12	63.51	90 (76)
Uganda	0.42	958.14	37.43	920.71	192 (193)
Ukraine	0.76	32.23	24.96	7.27	11 (15)
United Arab Emirates	0.85	68.02	17.1	50.91	76 (68)
United Kingdom	0.86	224.84	16.69	208.14	152 (149)
United Republic of Tanzania	0.45	1013.41	37.66	975.75	193 (195)
United States Virgin Islands	0.82	57.66	19.8	37.86	61 (55)
United States of America	0.86	97.38	16.33	81.05	113 (106)
Uruguay	0.72	160.44	24.96	135.48	136 (137)
Uzbekistan	0.66	299.48	28.6	270.88	168 (169)
Vanuatu	0.47	75.91	35.06	40.85	65 (79)
Venezuela (Bolivarian Republic of)	0.6	54.41	28.52	25.89	38 (49)
Viet Nam	0.63	30.69	28.73	1.96	6 (10)
Yemen	0.45	289.02	37.4	251.62	166 (168)
Zambia	0.51	1274.64	32.98	1241.66	198 (200)
Zimbabwe	0.47	1035.6	35.06	1000.53	195 (197)
MOEC					
Afghanistan	0.34	1068.75	101.32	967.44	186 (186)
Albania	0.71	132.17	52.45	79.73	63 (64)
Algeria	0.66	79.88	58.46	21.41	11 (19)
American Samoa	0.72	78.7	51.9	26.81	13 (18)
Andorra	0.87	35.65	18.55	17.1	9 (3)
Angola	0.45	726.58	79.35	647.23	175 (176)
Antigua and Barbuda	0.75	271.21	43.15	228.07	125 (125)

Argentina	0.72	339.75	51.92	287.83	135 (135)
Armenia	0.7	87.55	52.99	34.56	20 (25)
Australia	0.84	277.92	18.64	259.28	130 (126)
Austria	0.85	116.01	25.08	90.94	71 (55)
Azerbaijan	0.69	549.36	53.27	496.09	165 (163)
Bahamas	0.81	174.98	18.37	156.61	100 (93)
Bahrain	0.75	244.63	42.35	202.28	121 (118)
Bangladesh	0.49	345.53	69.85	275.68	131 (136)
Barbados	0.75	345.55	47.6	297.95	137 (137)
Belarus	0.78	67.56	30.37	37.18	23 (12)
Belgium	0.85	249.79	18.38	231.41	126 (119)
Belize	0.61	130.44	58.33	72.11	51 (62)
Benin	0.37	448.17	83.61	364.56	146 (148)
Bermuda	0.82	168.79	19.16	149.63	96 (90)
Bhutan	0.47	415.94	77.59	338.35	143 (144)
Bolivia (Plurinational State of)	0.6	218.16	59.05	159.11	102 (111)
Bosnia and Herzegovina	0.72	152.42	51.77	100.65	77 (82)
Botswana	0.64	757.77	58.2	699.57	178 (178)
Brazil	0.65	270.15	58.38	211.78	123 (124)
Brunei Darussalam	0.81	190.44	18.37	172.06	112 (99)
Bulgaria	0.77	104.1	36.12	67.98	49 (46)
Burkina Faso	0.29	551.19	131.1	420.09	157 (164)
Burundi	0.29	1422.65	131.62	1291.03	190 (191)
Cabo Verde	0.53	670.83	58.51	612.31	170 (172)
Cambodia	0.47	293.35	77.3	216.05	124 (128)
Cameroon	0.48	462.3	77.57	384.73	150 (153)
Canada	0.87	213.65	18.38	195.27	118 (109)
Central African Republic	0.31	1000.14	131.3	868.84	183 (185)
Chad	0.24	560.13	130.9	429.23	160 (165)
Chile	0.77	336.52	35.32	301.21	139 (134)
China	0.72	974.57	52.22	922.35	185 (184)
Colombia	0.66	159.24	58.23	101.01	78 (86)
Comoros	0.48	1646.44	79.06	1567.38	196 (197)
Congo	0.58	931.89	58.01	873.88	184 (183)
Cook Islands	0.78	64.94	30.65	34.29	19 (10)
Costa Rica	0.7	107.19	52.34	54.85	37 (48)
Croatia	0.8	103.95	28.4	75.55	56 (44)
Cuba	0.67	198.94	54.99	143.94	93 (102)
Cyprus	0.84	91.22	18.45	72.77	52 (28)

Czechia	0.83	132.37	18.79	113.58	81 (65)
Côte d'Ivoire	#N/A	146.36	18.38	127.98	88 (77)
Democratic People's Republic of Korea	0.57	607.57	58.39	549.18	167 (166)
Democratic Republic of the Congo	0.38	846.1	82.94	763.16	179 (179)
Denmark	0.9	299.89	18.38	281.51	132 (130)
Djibouti	0.49	1415.3	73.26	1342.04	191 (190)
Dominica	0.75	358.53	45.65	312.88	140 (138)
Dominican Republic	0.62	154.79	58.16	96.63	74 (85)
Ecuador	0.66	96.79	57.99	38.8	24 (38)
Egypt	0.61	137.4	58.65	78.75	62 (69)
El Salvador	0.56	139.03	59.23	79.79	64 (72)
Equatorial Guinea	0.66	692.99	58.24	634.75	173 (174)
Eritrea	0.4	1899.8	81.65	1818.16	201 (202)
Estonia	0.84	84.55	18.38	66.17	46 (23)
Eswatini	0.59	1104.07	59.2	1044.87	187 (188)
Ethiopia	0.36	678.11	93.44	584.68	169 (173)
Fiji	0.68	178.05	52.01	126.04	86 (94)
Finland	0.86	212.54	18.55	193.99	117 (108)
France	0.84	183.94	18.64	165.3	106 (96)
Gabon	0.63	746.83	59.03	687.8	177 (177)
Gambia	0.41	198.05	79.96	118.1	83 (101)
Georgia	0.73	82.35	51.88	30.47	14 (21)
Germany	0.9	193.48	18.63	174.85	113 (100)
Ghana	0.56	473.84	60.02	413.81	156 (155)
Greece	0.79	95.95	28.76	67.19	48 (36)
Greenland	0.83	650.15	18.8	631.35	172 (169)
Grenada	0.67	203.95	52.51	151.43	97 (104)
Guam	0.8	18.82	18.71	0.11	2 (1)
Guatemala	0.54	172.91	58.33	114.58	82 (92)
Guinea	0.34	128.92	106.25	22.67	12 (61)
Guinea-Bissau	0.35	641.22	90.15	551.07	168 (168)
Guyana	0.65	142.46	58.07	84.39	68 (74)
Haiti	0.45	411.88	78.97	332.91	142 (142)
Honduras	0.51	136.38	62.18	74.2	55 (68)
Hungary	0.79	107.77	29.31	78.46	61 (49)
Iceland	0.88	309.13	18.8	290.33	136 (133)
India	0.58	292.71	58.17	234.55	127 (127)
Indonesia	0.66	210.63	57.98	152.66	99 (106)
Iran (Islamic Republic	0.7	450.11	52.27	397.84	152 (149)

of)					
Iraq	0.66	109.36	56.9	52.46	36 (51)
Ireland	0.87	473.17	18.57	454.59	163 (154)
Israel	0.81	139.92	18.54	121.38	84 (73)
Italy	0.81	108.23	18.37	89.86	70 (50)
Jamaica	0.68	210.74	52.05	158.69	101 (107)
Japan	0.87	147.89	19.19	128.69	89 (78)
Jordan	0.73	88.16	52.02	36.15	22 (26)
Kazakhstan	0.73	513.32	51.76	461.57	164 (160)
Kenya	0.52	1644.97	59.25	1585.72	198 (196)
Kiribati	0.53	296.56	58.24	238.31	128 (129)
Kuwait	0.85	77.97	18.38	59.59	40 (15)
Kyrgyzstan	0.6	261.86	59.05	202.81	122 (123)
Lao People's Democratic Republic	0.49	254.79	71.76	183.03	115 (121)
Latvia	0.83	81.09	18.38	62.7	43 (20)
Lebanon	0.74	77.73	47.23	30.51	15 (14)
Lesotho	0.51	1238.55	63.94	1174.61	189 (189)
Liberia	0.35	515.18	87.13	428.05	159 (161)
Libya	0.73	65.4	51.75	13.65	8 (11)
Lithuania	0.86	78.61	18.39	60.22	41 (17)
Luxembourg	0.88	200.26	18.37	181.89	114 (103)
Madagascar	0.4	1471.27	81.27	1390	193 (193)
Malawi	0.38	2578.6	83.3	2495.3	203 (204)
Malaysia	0.74	222.49	51.71	170.78	109 (114)
Maldives	0.65	138.89	58.24	80.65	65 (71)
Mali	0.27	256.62	130.76	125.86	85 (122)
Malta	0.8	165.38	19.25	146.13	94 (89)
Marshall Islands	0.57	134.12	58.06	76.07	58 (66)
Mauritania	0.5	506.98	66.76	440.22	162 (159)
Mauritius	0.72	238.59	52.42	186.17	116 (117)
Mexico	0.66	103.98	54.78	49.21	33 (45)
Micronesia (Federated States of)	0.59	143.33	58.51	84.81	69 (75)
Monaco	0.91	659.42	18.39	641.03	174 (170)
Mongolia	0.62	2426.57	58.26	2368.31	202 (203)
Montenegro	0.8	94.21	29.5	64.71	45 (30)
Morocco	0.56	101.61	58.97	42.64	28 (41)
Mozambique	0.33	668.19	130.98	537.21	166 (171)
Myanmar	0.53	219.91	58.05	161.87	103 (113)
Namibia	0.62	150.36	59.03	91.34	72 (79)

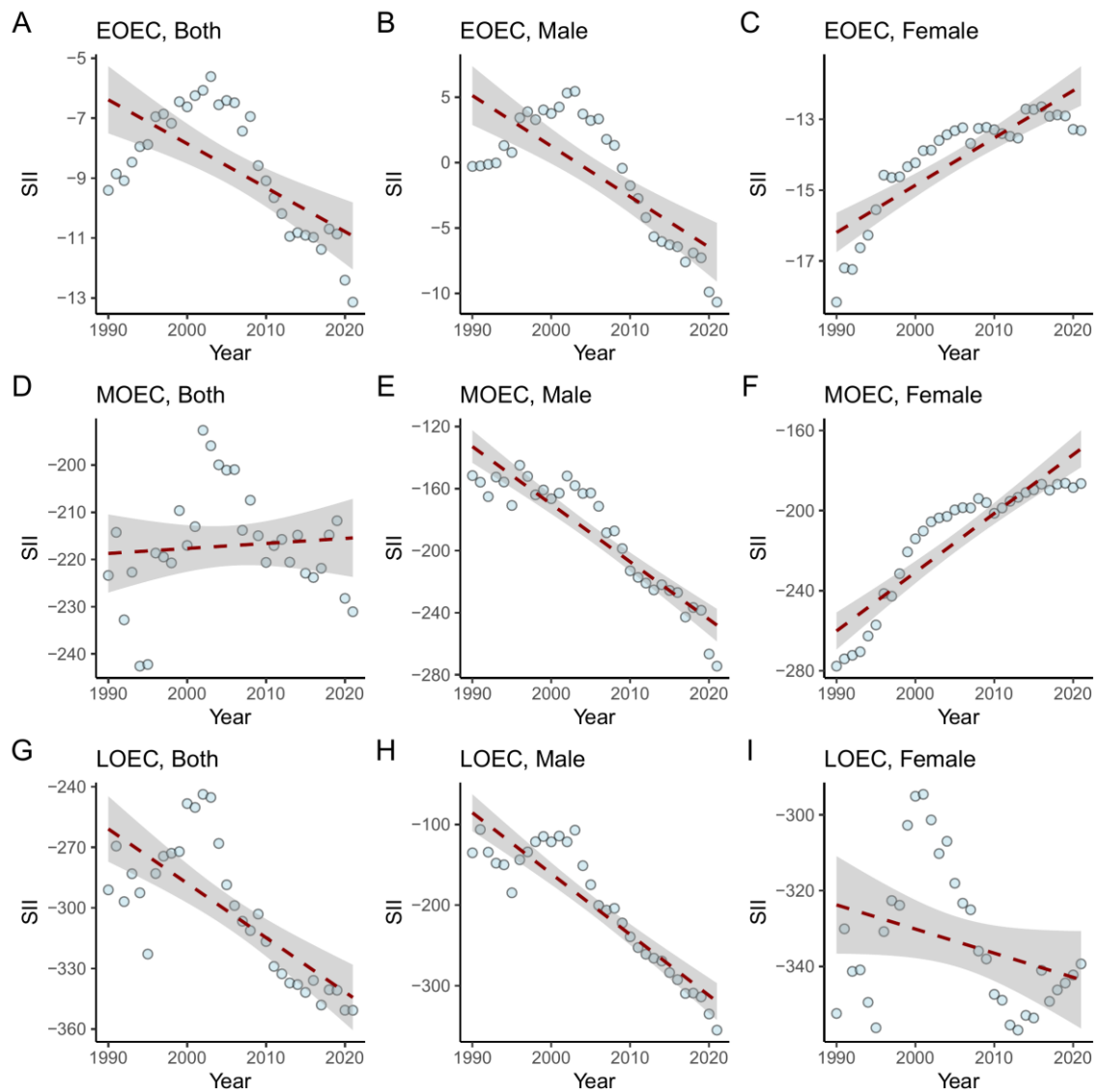
Nauru	0.63	154.64	57.98	96.66	75 (84)
Nepal	0.43	402.59	78.51	324.08	141 (141)
Netherlands	0.89	442.41	18.64	423.78	158 (147)
New Zealand	0.85	304.53	18.58	285.95	134 (132)
Nicaragua	0.52	57.97	57.97	0	1 (6)
Niger	0.17	496.76	253.62	243.14	129 (158)
Nigeria	0.5	430.74	67.35	363.39	145 (145)
Niue	0.73	109.9	52.28	57.62	38 (52)
North Macedonia	0.75	95.7	45.92	49.78	34 (34)
Northern Mariana Islands	0.77	115.71	35.04	80.67	66 (54)
Norway	0.92	190.26	18.44	171.82	110 (98)
Oman	0.77	135.91	33.04	102.87	80 (67)
Pakistan	0.5	887.01	67.93	819.08	182 (182)
Palau	0.75	414.91	41.71	373.21	147 (143)
Palestine	0.63	90.26	59.06	31.2	16 (27)
Panama	0.71	85.44	52.27	33.17	17 (24)
Papua New Guinea	0.42	124.82	79.21	45.61	30 (59)
Paraguay	0.64	188.03	57.98	130.05	90 (97)
Peru	0.66	102.17	56.04	46.12	31 (42)
Philippines	0.65	99.79	58.18	41.61	27 (40)
Poland	0.81	164.88	18.62	146.26	95 (88)
Portugal	0.74	116.95	50.17	66.78	47 (56)
Puerto Rico	0.83	110.34	18.37	91.97	73 (53)
Qatar	0.85	304.03	18.44	285.59	133 (131)
Republic of Korea	0.89	62.21	18.37	43.84	29 (8)
Republic of Moldova	0.73	53.62	51.76	1.87	4 (5)
Romania	0.77	77.68	37.58	40.11	26 (13)
Russian Federation	0.81	144.7	18.41	126.29	87 (76)
Rwanda	0.44	1461.09	79.09	1381.99	192 (192)
Saint Kitts and Nevis	0.75	204.67	40.68	163.99	105 (105)
Saint Lucia	0.67	151.65	53.58	98.07	76 (81)
Saint Vincent and the Grenadines	0.64	92.39	58.14	34.25	18 (29)
Samoa	0.59	131.31	57.99	73.32	53 (63)
San Marino	0.89	26.8	18.39	8.42	6 (2)
Sao Tome and Principe	0.51	367.19	66.23	300.96	138 (139)
Saudi Arabia	0.82	223.02	20.9	202.12	120 (115)
Senegal	0.41	477.07	81.42	395.65	151 (156)
Serbia	0.79	102.46	28.93	73.53	54 (43)
Seychelles	0.73	218.18	51.82	166.36	107 (112)

Sierra Leone	0.36	491.49	86.1	405.4	154 (157)
Singapore	0.86	95.59	18.52	77.07	59 (33)
Slovakia	0.81	94.36	18.38	75.98	57 (31)
Slovenia	0.84	95.76	18.5	77.26	60 (35)
Solomon Islands	0.43	161.28	79.58	81.69	67 (87)
Somalia	0.08	1858.47	1858.47	0	1 (201)
South Africa	0.68	851.8	54.01	797.79	180 (180)
South Sudan	0.28	1788.28	130.92	1657.36	199 (200)
Spain	0.77	83.73	35.96	47.77	32 (22)
Sri Lanka	0.7	460.02	52.08	407.95	155 (152)
Sudan	0.54	440.86	58.52	382.34	149 (146)
Suriname	0.63	94.54	58.77	35.77	21 (32)
Sweden	0.89	213.82	18.39	195.43	119 (110)
Switzerland	0.93	181.32	19.1	162.22	104 (95)
Syrian Arab Republic	0.62	78.45	58.41	20.04	10 (16)
Taiwan (Province of China)	0.87	150.52	18.39	132.13	91 (80)
Tajikistan	0.54	708.74	58.46	650.28	176 (175)
Thailand	0.68	223.07	53.24	169.83	108 (116)
Timor-Leste	0.44	250.72	78.84	171.88	111 (120)
Togo	0.41	516.31	79.59	436.73	161 (162)
Tokelau	0.69	104.95	53.25	51.7	35 (47)
Tonga	0.63	97.69	58.15	39.55	25 (39)
Trinidad and Tobago	0.77	96.49	37.18	59.31	39 (37)
Tunisia	0.68	62.06	52.78	9.28	7 (7)
Turkey	0.68	860.18	52.21	807.97	181 (181)
Turkmenistan	0.58	121.91	58.07	63.85	44 (58)
Tuvalu	#N/A	153.48	18.4	135.08	92 (83)
Uganda	0.42	1587.22	78.65	1508.57	195 (195)
Ukraine	0.76	39.64	39.33	0.31	3 (4)
United Arab Emirates	0.85	1071.99	18.47	1053.52	188 (187)
United Kingdom	0.86	634.3	18.51	615.79	171 (167)
United Republic of Tanzania	0.45	1525.89	78.24	1447.64	194 (194)
United States Virgin Islands	0.82	119.74	18.38	101.36	79 (57)
United States of America	0.86	170.42	18.95	151.47	98 (91)
Uruguay	0.72	452.38	52	400.38	153 (150)
Uzbekistan	0.66	402.35	52.98	349.37	144 (140)
Vanuatu	0.47	138.41	77.88	60.53	42 (70)

Venezuela (Bolivarian Republic of)	0.6	128.24	58.47	69.77	50 (60)
Viet Nam	0.63	63.36	59.13	4.23	5 (9)
Yemen	0.45	452.58	78.44	374.15	148 (151)
Zambia	0.51	1784.96	67.13	1717.83	200 (199)
Zimbabwe	0.47	1648.43	77.55	1570.88	197 (198)

Notes: ASDR rates are reported per 100,000 population.

Abbreviations: DALYs: disability-adjusted life years; EOEC, early-onset esophageal cancer; MOEC, middle-onset esophageal cancer; LOEC, late-onset esophageal cancer; SDI: socio-demographic index; ASDR, age-standardized disability-adjusted life year rate; UI: uncertainty interval.



Supplementary Figure S18. Global trends of SII for the DALYs of EOEC (A, B, C), MOEC (D, E, F) and LOEC (G, H, I), from 1990 to 2021. SII, slope index of inequality; DALYs, disability-adjusted life-years; EOEC, early-onset esophageal cancer; MOEC, middle-onset esophageal cancer; LOEC, late-onset esophageal cancer.

Supplementary Table S11. Summary measures for SII values in DALYs of EOEC, MOEC and LOEC from 1990 to 2021.

Group	Gender	Year	SII value	95% CI
EOEC	Both	1990	-9.41	(-18.58, -0.24)
EOEC	Both	1991	-8.86	(-17.96, 0.25)
EOEC	Both	1992	-9.08	(-18.14, -0.03)
EOEC	Both	1993	-8.47	(-17.7, 0.76)
EOEC	Both	1994	-7.95	(-17.45, 1.55)
EOEC	Both	1995	-7.88	(-17.46, 1.71)
EOEC	Both	1996	-6.95	(-16.45, 2.55)
EOEC	Both	1997	-6.86	(-16.36, 2.64)
EOEC	Both	1998	-7.17	(-16.65, 2.31)
EOEC	Both	1999	-6.45	(-15.68, 2.78)
EOEC	Both	2000	-6.62	(-15.86, 2.61)
EOEC	Both	2001	-6.25	(-15.33, 2.83)
EOEC	Both	2002	-6.07	(-15.26, 3.11)
EOEC	Both	2003	-5.61	(-14.59, 3.37)
EOEC	Both	2004	-6.55	(-15.36, 2.25)
EOEC	Both	2005	-6.41	(-15.07, 2.25)
EOEC	Both	2006	-6.49	(-15.02, 2.05)
EOEC	Both	2007	-7.43	(-15.98, 1.11)
EOEC	Both	2008	-6.94	(-15.4, 1.51)
EOEC	Both	2009	-8.58	(-16.81, -0.36)
EOEC	Both	2010	-9.09	(-17.22, -0.95)
EOEC	Both	2011	-9.65	(-17.58, -1.72)
EOEC	Both	2012	-10.19	(-18.04, -2.33)
EOEC	Both	2013	-10.94	(-18.63, -3.26)
EOEC	Both	2014	-10.82	(-18.43, -3.21)
EOEC	Both	2015	-10.9	(-18.41, -3.4)
EOEC	Both	2016	-10.97	(-18.34, -3.61)
EOEC	Both	2017	-11.38	(-18.71, -4.04)
EOEC	Both	2018	-10.7	(-18, -3.39)
EOEC	Both	2019	-10.86	(-18.21, -3.52)
EOEC	Both	2020	-12.4	(-19.67, -5.13)
EOEC	Both	2021	-13.14	(-20.23, -6.04)
EOEC	Female	1990	-18.16	(-23.56, -12.76)
EOEC	Female	1991	-17.2	(-22.5, -11.89)
EOEC	Female	1992	-17.24	(-22.52, -11.95)
EOEC	Female	1993	-16.63	(-21.96, -11.29)
EOEC	Female	1994	-16.27	(-21.49, -11.06)
EOEC	Female	1995	-15.55	(-20.72, -10.39)

EOEC	Female	1996	-14.57	(-19.46, -9.69)
EOEC	Female	1997	-14.64	(-19.53, -9.76)
EOEC	Female	1998	-14.62	(-19.38, -9.86)
EOEC	Female	1999	-14.34	(-19.14, -9.53)
EOEC	Female	2000	-14.23	(-19.12, -9.34)
EOEC	Female	2001	-13.88	(-18.56, -9.2)
EOEC	Female	2002	-13.87	(-18.48, -9.26)
EOEC	Female	2003	-13.6	(-18.08, -9.11)
EOEC	Female	2004	-13.43	(-17.81, -9.06)
EOEC	Female	2005	-13.32	(-17.58, -9.06)
EOEC	Female	2006	-13.24	(-17.47, -9.01)
EOEC	Female	2007	-13.68	(-17.84, -9.52)
EOEC	Female	2008	-13.26	(-17.43, -9.08)
EOEC	Female	2009	-13.23	(-17.28, -9.17)
EOEC	Female	2010	-13.29	(-17.31, -9.27)
EOEC	Female	2011	-13.4	(-17.3, -9.51)
EOEC	Female	2012	-13.48	(-17.35, -9.61)
EOEC	Female	2013	-13.53	(-17.33, -9.73)
EOEC	Female	2014	-12.71	(-16.34, -9.08)
EOEC	Female	2015	-12.72	(-16.38, -9.06)
EOEC	Female	2016	-12.65	(-16.28, -9.01)
EOEC	Female	2017	-12.91	(-16.52, -9.31)
EOEC	Female	2018	-12.88	(-16.51, -9.24)
EOEC	Female	2019	-12.9	(-16.57, -9.24)
EOEC	Female	2020	-13.28	(-16.83, -9.73)
EOEC	Female	2021	-13.32	(-16.82, -9.81)
EOEC	Male	1990	-0.3	(-13.37, 12.78)
EOEC	Male	1991	-0.26	(-13.47, 12.96)
EOEC	Male	1992	-0.14	(-13.4, 13.12)
EOEC	Male	1993	-0.03	(-14.12, 14.06)
EOEC	Male	1994	1.3	(-13.05, 15.66)
EOEC	Male	1995	0.77	(-13.82, 15.36)
EOEC	Male	1996	3.42	(-10.98, 17.81)
EOEC	Male	1997	3.88	(-10.42, 18.18)
EOEC	Male	1998	3.28	(-10.69, 17.25)
EOEC	Male	1999	4.02	(-9.73, 17.78)
EOEC	Male	2000	3.75	(-10.05, 17.55)
EOEC	Male	2001	4.24	(-9.17, 17.65)
EOEC	Male	2002	5.31	(-7.84, 18.46)
EOEC	Male	2003	5.44	(-7.31, 18.19)
EOEC	Male	2004	3.71	(-8.66, 16.09)

EOEC	Male	2005	3.22	(-9.27, 15.7)
EOEC	Male	2006	3.33	(-8.97, 15.63)
EOEC	Male	2007	1.77	(-10.47, 14.02)
EOEC	Male	2008	1.32	(-10.69, 13.32)
EOEC	Male	2009	-0.44	(-12.23, 11.35)
EOEC	Male	2010	-1.77	(-13.36, 9.82)
EOEC	Male	2011	-2.75	(-13.93, 8.43)
EOEC	Male	2012	-4.2	(-15.39, 6.98)
EOEC	Male	2013	-5.67	(-16.87, 5.54)
EOEC	Male	2014	-6.04	(-17.03, 4.95)
EOEC	Male	2015	-6.28	(-17.14, 4.58)
EOEC	Male	2016	-6.43	(-17.32, 4.46)
EOEC	Male	2017	-7.6	(-18.46, 3.27)
EOEC	Male	2018	-6.91	(-17.79, 3.98)
EOEC	Male	2019	-7.28	(-18.18, 3.62)
EOEC	Male	2020	-9.89	(-20.99, 1.22)
EOEC	Male	2021	-10.66	(-21.59, 0.26)
MOEC	Both	1990	-223.38	(-359.43, -87.32)
MOEC	Both	1991	-214.26	(-347.54, -80.97)
MOEC	Both	1992	-232.78	(-368.79, -96.76)
MOEC	Both	1993	-222.69	(-357.63, -87.75)
MOEC	Both	1994	-242.58	(-380.39, -104.78)
MOEC	Both	1995	-242.24	(-377.66, -106.81)
MOEC	Both	1996	-218.64	(-350.2, -87.08)
MOEC	Both	1997	-219.47	(-349.03, -89.91)
MOEC	Both	1998	-220.72	(-348, -93.44)
MOEC	Both	1999	-209.64	(-335.23, -84.04)
MOEC	Both	2000	-217.02	(-341.6, -92.44)
MOEC	Both	2001	-213.05	(-333.08, -93.02)
MOEC	Both	2002	-192.64	(-307.38, -77.89)
MOEC	Both	2003	-195.91	(-311.08, -80.75)
MOEC	Both	2004	-199.96	(-313.28, -86.63)
MOEC	Both	2005	-201.09	(-311.77, -90.4)
MOEC	Both	2006	-200.96	(-310.25, -91.67)
MOEC	Both	2007	-213.81	(-323.48, -104.15)
MOEC	Both	2008	-207.44	(-315.66, -99.21)
MOEC	Both	2009	-214.96	(-323.34, -106.58)
MOEC	Both	2010	-220.61	(-327.99, -113.23)
MOEC	Both	2011	-217.06	(-322.55, -111.56)
MOEC	Both	2012	-215.74	(-320.13, -111.34)
MOEC	Both	2013	-220.56	(-325.07, -116.05)

MOEC	Both	2014	-214.84	(-317.29, -112.39)
MOEC	Both	2015	-222.91	(-323.77, -122.05)
MOEC	Both	2016	-223.82	(-324.39, -123.25)
MOEC	Both	2017	-221.85	(-320.81, -122.89)
MOEC	Both	2018	-214.8	(-312.36, -117.25)
MOEC	Both	2019	-211.79	(-309.27, -114.3)
MOEC	Both	2020	-228.23	(-323.62, -132.85)
MOEC	Both	2021	-231.06	(-325.93, -136.19)
MOEC	Female	1990	-277.71	(-354.28, -201.13)
MOEC	Female	1991	-274.09	(-349.66, -198.52)
MOEC	Female	1992	-272.31	(-346.74, -197.89)
MOEC	Female	1993	-270.52	(-344.93, -196.11)
MOEC	Female	1994	-262.68	(-335.28, -190.07)
MOEC	Female	1995	-257.15	(-328.41, -185.88)
MOEC	Female	1996	-241.45	(-308.81, -174.1)
MOEC	Female	1997	-242.76	(-309.56, -175.96)
MOEC	Female	1998	-231.54	(-295.62, -167.46)
MOEC	Female	1999	-220.67	(-283.24, -158.11)
MOEC	Female	2000	-214.09	(-273.63, -154.55)
MOEC	Female	2001	-210.21	(-267.86, -152.55)
MOEC	Female	2002	-205.61	(-261.66, -149.56)
MOEC	Female	2003	-203.66	(-259, -148.33)
MOEC	Female	2004	-202.94	(-256.98, -148.89)
MOEC	Female	2005	-199.65	(-253.41, -145.89)
MOEC	Female	2006	-198.54	(-251.03, -146.04)
MOEC	Female	2007	-198.68	(-251.31, -146.06)
MOEC	Female	2008	-193.98	(-245.41, -142.55)
MOEC	Female	2009	-196.05	(-246.54, -145.56)
MOEC	Female	2010	-201.35	(-252.33, -150.37)
MOEC	Female	2011	-198.69	(-248.15, -149.24)
MOEC	Female	2012	-195.36	(-244.59, -146.14)
MOEC	Female	2013	-193.39	(-241.08, -145.71)
MOEC	Female	2014	-190.99	(-238.99, -142.99)
MOEC	Female	2015	-189.63	(-237.08, -142.18)
MOEC	Female	2016	-186.82	(-234.66, -138.99)
MOEC	Female	2017	-189.77	(-237.34, -142.21)
MOEC	Female	2018	-186.87	(-234.25, -139.48)
MOEC	Female	2019	-186.37	(-233.24, -139.49)
MOEC	Female	2020	-188.53	(-234.22, -142.84)
MOEC	Female	2021	-186.51	(-231.52, -141.49)
MOEC	Male	1990	-151.62	(-365.94, 62.7)

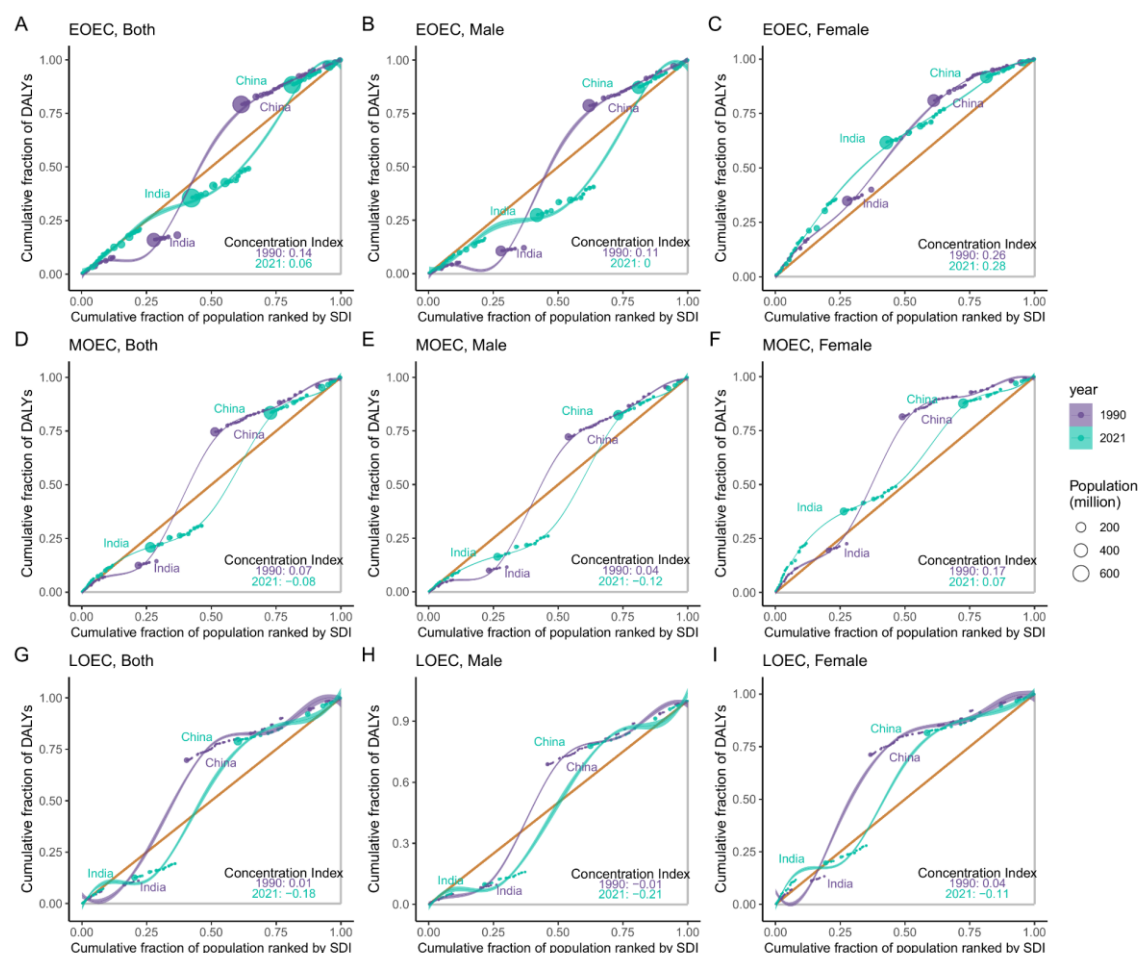
MOEC	Male	1991	-155.88	(-370.72, 58.97)
MOEC	Male	1992	-165.19	(-376.03, 45.65)
MOEC	Male	1993	-152.54	(-363.83, 58.75)
MOEC	Male	1994	-155.77	(-366.66, 55.13)
MOEC	Male	1995	-170.87	(-379.94, 38.21)
MOEC	Male	1996	-144.97	(-353.02, 63.07)
MOEC	Male	1997	-152.14	(-355.77, 51.49)
MOEC	Male	1998	-164.01	(-363.67, 35.65)
MOEC	Male	1999	-160.88	(-357.08, 35.33)
MOEC	Male	2000	-166.54	(-357.51, 24.44)
MOEC	Male	2001	-162.94	(-349.02, 23.15)
MOEC	Male	2002	-151.87	(-335.73, 31.99)
MOEC	Male	2003	-158.06	(-341.63, 25.52)
MOEC	Male	2004	-163.13	(-341.15, 14.89)
MOEC	Male	2005	-162.84	(-335.07, 9.39)
MOEC	Male	2006	-171.41	(-341.05, -1.78)
MOEC	Male	2007	-188.49	(-360.69, -16.29)
MOEC	Male	2008	-187.26	(-355.22, -19.3)
MOEC	Male	2009	-198.66	(-364.03, -33.3)
MOEC	Male	2010	-212.96	(-376.39, -49.54)
MOEC	Male	2011	-217.23	(-379.09, -55.36)
MOEC	Male	2012	-220.91	(-381.86, -59.96)
MOEC	Male	2013	-225.3	(-383.02, -67.58)
MOEC	Male	2014	-221.96	(-378.54, -65.39)
MOEC	Male	2015	-225.63	(-379.86, -71.4)
MOEC	Male	2016	-226.97	(-379.27, -74.68)
MOEC	Male	2017	-242.77	(-393.27, -92.28)
MOEC	Male	2018	-236.66	(-386.75, -86.56)
MOEC	Male	2019	-238.42	(-390.17, -86.66)
MOEC	Male	2020	-266.59	(-417.86, -115.32)
MOEC	Male	2021	-274.41	(-423.62, -125.2)
LOEC	Both	1990	-291.09	(-485.76, -96.42)
LOEC	Both	1991	-269.39	(-459.47, -79.31)
LOEC	Both	1992	-296.9	(-487.78, -106.02)
LOEC	Both	1993	-283.08	(-471.69, -94.47)
LOEC	Both	1994	-292.56	(-479.7, -105.41)
LOEC	Both	1995	-322.88	(-505.65, -140.11)
LOEC	Both	1996	-282.98	(-463.58, -102.38)
LOEC	Both	1997	-274.4	(-452.83, -95.97)
LOEC	Both	1998	-272.96	(-451.95, -93.97)
LOEC	Both	1999	-272.11	(-452.6, -91.62)

LOEC	Both	2000	-248.35	(-419, -77.71)
LOEC	Both	2001	-250.26	(-419.27, -81.26)
LOEC	Both	2002	-243.75	(-411.2, -76.3)
LOEC	Both	2003	-245.31	(-413.79, -76.82)
LOEC	Both	2004	-268.08	(-437.15, -99.02)
LOEC	Both	2005	-288.57	(-456.06, -121.08)
LOEC	Both	2006	-298.85	(-464.84, -132.86)
LOEC	Both	2007	-306.64	(-469.89, -143.4)
LOEC	Both	2008	-311.24	(-476.12, -146.36)
LOEC	Both	2009	-303.09	(-459.87, -146.32)
LOEC	Both	2010	-316.67	(-472.78, -160.55)
LOEC	Both	2011	-328.98	(-483.74, -174.23)
LOEC	Both	2012	-332.66	(-485.46, -179.86)
LOEC	Both	2013	-337.21	(-489.61, -184.81)
LOEC	Both	2014	-337.99	(-492.17, -183.8)
LOEC	Both	2015	-341.86	(-495.7, -188.02)
LOEC	Both	2016	-335.93	(-488.77, -183.09)
LOEC	Both	2017	-348.13	(-498.85, -197.41)
LOEC	Both	2018	-340.56	(-487.56, -193.56)
LOEC	Both	2019	-340.81	(-486.9, -194.72)
LOEC	Both	2020	-350.69	(-492.69, -208.68)
LOEC	Both	2021	-350.74	(-490.62, -210.85)
LOEC	Female	1990	-352.41	(-498.95, -205.88)
LOEC	Female	1991	-330.07	(-469.08, -191.06)
LOEC	Female	1992	-341.31	(-480.78, -201.84)
LOEC	Female	1993	-340.92	(-481.73, -200.11)
LOEC	Female	1994	-349.48	(-490.49, -208.48)
LOEC	Female	1995	-356.2	(-492.13, -220.27)
LOEC	Female	1996	-330.8	(-462.52, -199.09)
LOEC	Female	1997	-322.61	(-452.93, -192.29)
LOEC	Female	1998	-323.85	(-455.37, -192.33)
LOEC	Female	1999	-302.74	(-428.89, -176.59)
LOEC	Female	2000	-295.08	(-418.11, -172.05)
LOEC	Female	2001	-294.57	(-414.75, -174.39)
LOEC	Female	2002	-301.33	(-421.26, -181.4)
LOEC	Female	2003	-310.22	(-431.69, -188.74)
LOEC	Female	2004	-306.97	(-423.19, -190.76)
LOEC	Female	2005	-318.05	(-436.39, -199.71)
LOEC	Female	2006	-323.31	(-439.93, -206.69)
LOEC	Female	2007	-325.05	(-440.9, -209.2)
LOEC	Female	2008	-335.95	(-454.77, -217.12)

LOEC	Female	2009	-338.03	(-452.9, -223.16)
LOEC	Female	2010	-347.37	(-462.59, -232.15)
LOEC	Female	2011	-348.92	(-461.96, -235.87)
LOEC	Female	2012	-355.47	(-468.83, -242.11)
LOEC	Female	2013	-356.82	(-469.9, -243.74)
LOEC	Female	2014	-352.92	(-465.12, -240.71)
LOEC	Female	2015	-353.6	(-467.61, -239.6)
LOEC	Female	2016	-341.02	(-452.09, -229.96)
LOEC	Female	2017	-349.22	(-459.17, -239.28)
LOEC	Female	2018	-346.21	(-453.48, -238.93)
LOEC	Female	2019	-344.38	(-450.49, -238.27)
LOEC	Female	2020	-342.25	(-446.79, -237.71)
LOEC	Female	2021	-339.33	(-441.45, -237.22)
LOEC	Male	1990	-135.13	(-408.53, 138.28)
LOEC	Male	1991	-106.17	(-373.81, 161.48)
LOEC	Male	1992	-134.28	(-400.5, 131.94)
LOEC	Male	1993	-147.95	(-417.55, 121.66)
LOEC	Male	1994	-150.01	(-420.86, 120.84)
LOEC	Male	1995	-184.76	(-455.65, 86.13)
LOEC	Male	1996	-143.78	(-412.91, 125.35)
LOEC	Male	1997	-134.03	(-398.5, 130.45)
LOEC	Male	1998	-121.34	(-378.84, 136.17)
LOEC	Male	1999	-114.83	(-368.59, 138.93)
LOEC	Male	2000	-121.45	(-371.41, 128.5)
LOEC	Male	2001	-114.31	(-355.5, 126.89)
LOEC	Male	2002	-121.47	(-364.05, 121.1)
LOEC	Male	2003	-106.98	(-342.95, 128.98)
LOEC	Male	2004	-151.1	(-386.83, 84.63)
LOEC	Male	2005	-174.73	(-408.51, 59.05)
LOEC	Male	2006	-200.36	(-429.81, 29.09)
LOEC	Male	2007	-206.35	(-434.3, 21.59)
LOEC	Male	2008	-204.04	(-430.9, 22.81)
LOEC	Male	2009	-222.24	(-441.06, -3.42)
LOEC	Male	2010	-239.35	(-458.59, -20.12)
LOEC	Male	2011	-252.83	(-470.1, -35.55)
LOEC	Male	2012	-261	(-477.02, -44.98)
LOEC	Male	2013	-265.93	(-477.84, -54.03)
LOEC	Male	2014	-269.43	(-479.24, -59.63)
LOEC	Male	2015	-283.84	(-493.06, -74.62)
LOEC	Male	2016	-292.68	(-502.15, -83.22)
LOEC	Male	2017	-309.74	(-515.02, -104.46)

LOEC	Male	2018	-309.33	(-512.93, -105.72)
LOEC	Male	2019	-314.02	(-516.73, -111.3)
LOEC	Male	2020	-335.26	(-535.04, -135.48)
LOEC	Male	2021	-355.32	(-553.96, -156.67)

Abbreviations: SII, slope index of inequality; DALYs, disability-adjusted life-years; EOEC, early-onset esophageal cancer; MOEC, middle-onset esophageal cancer; LOEC, late-onset esophageal cancer; CI, confidence interval.



Supplementary Figure S19. Health inequality concentration curves for the DALYs of EOEC (A, B, C), MOEC (D, E, F) and LOEC (G, H, I) worldwide, in 1990 and 2021. The CI values are labeled in the bottom right corner of the figures. DALYs, disability-adjusted life-years; EOEC, early-onset esophageal cancer; MOEC, middle-onset esophageal cancer; LOEC, late-onset esophageal cancer; CI, concentration index.

Supplementary Table S12. Summary measures for concentration index values in DALYs of EOEC, MOEC and LOEC from 1990 to 2021.

Group	Gender	Year	Concentration index	95% CI
EOEC	Both	1990	0.14	(0.03, 0.25)
EOEC	Both	1991	0.14	(0.04, 0.25)
EOEC	Both	1992	0.13	(0.02, 0.23)
EOEC	Both	1993	0.12	(0.01, 0.23)
EOEC	Both	1994	0.11	(0, 0.22)
EOEC	Both	1995	0.1	(-0.01, 0.2)
EOEC	Both	1996	0.08	(-0.03, 0.19)
EOEC	Both	1997	0.09	(-0.01, 0.2)
EOEC	Both	1998	0.08	(-0.03, 0.2)
EOEC	Both	1999	0.07	(-0.04, 0.18)
EOEC	Both	2000	0.06	(-0.05, 0.16)
EOEC	Both	2001	0.06	(-0.04, 0.17)
EOEC	Both	2002	0.06	(-0.05, 0.15)
EOEC	Both	2003	0.06	(-0.05, 0.17)
EOEC	Both	2004	0.06	(-0.03, 0.18)
EOEC	Both	2005	0.06	(-0.05, 0.17)
EOEC	Both	2006	0.06	(-0.04, 0.16)
EOEC	Both	2007	0.05	(-0.06, 0.15)
EOEC	Both	2008	0.04	(-0.07, 0.14)
EOEC	Both	2009	0.03	(-0.07, 0.14)
EOEC	Both	2010	0.02	(-0.08, 0.13)
EOEC	Both	2011	0.02	(-0.09, 0.12)
EOEC	Both	2012	0.02	(-0.08, 0.13)
EOEC	Both	2013	0.03	(-0.06, 0.13)
EOEC	Both	2014	0.04	(-0.07, 0.14)
EOEC	Both	2015	0.05	(-0.05, 0.15)
EOEC	Both	2016	0.06	(-0.05, 0.16)
EOEC	Both	2017	0.06	(-0.04, 0.16)
EOEC	Both	2018	0.06	(-0.05, 0.16)
EOEC	Both	2019	0.06	(-0.04, 0.15)
EOEC	Both	2020	0.07	(-0.03, 0.17)
EOEC	Both	2021	0.06	(-0.03, 0.16)
EOEC	Female	1990	0.26	(0.16, 0.36)
EOEC	Female	1991	0.26	(0.15, 0.36)
EOEC	Female	1992	0.25	(0.14, 0.36)

EOEC	Female	1993	0.24	(0.14, 0.34)
EOEC	Female	1994	0.23	(0.13, 0.34)
EOEC	Female	1995	0.23	(0.12, 0.33)
EOEC	Female	1996	0.22	(0.12, 0.32)
EOEC	Female	1997	0.22	(0.12, 0.32)
EOEC	Female	1998	0.22	(0.13, 0.33)
EOEC	Female	1999	0.21	(0.11, 0.31)
EOEC	Female	2000	0.2	(0.1, 0.3)
EOEC	Female	2001	0.21	(0.11, 0.3)
EOEC	Female	2002	0.21	(0.11, 0.29)
EOEC	Female	2003	0.21	(0.1, 0.31)
EOEC	Female	2004	0.21	(0.12, 0.31)
EOEC	Female	2005	0.22	(0.12, 0.31)
EOEC	Female	2006	0.22	(0.12, 0.31)
EOEC	Female	2007	0.22	(0.12, 0.32)
EOEC	Female	2008	0.22	(0.12, 0.32)
EOEC	Female	2009	0.21	(0.11, 0.31)
EOEC	Female	2010	0.22	(0.12, 0.31)
EOEC	Female	2011	0.21	(0.11, 0.31)
EOEC	Female	2012	0.23	(0.13, 0.32)
EOEC	Female	2013	0.24	(0.15, 0.33)
EOEC	Female	2014	0.24	(0.15, 0.34)
EOEC	Female	2015	0.25	(0.16, 0.34)
EOEC	Female	2016	0.26	(0.17, 0.35)
EOEC	Female	2017	0.26	(0.17, 0.35)
EOEC	Female	2018	0.26	(0.17, 0.35)
EOEC	Female	2019	0.27	(0.18, 0.35)
EOEC	Female	2020	0.28	(0.19, 0.37)
EOEC	Female	2021	0.28	(0.18, 0.37)
EOEC	Male	1990	0.11	(0, 0.22)
EOEC	Male	1991	0.11	(0, 0.22)
EOEC	Male	1992	0.1	(-0.01, 0.2)
EOEC	Male	1993	0.09	(-0.02, 0.2)
EOEC	Male	1994	0.08	(-0.03, 0.18)
EOEC	Male	1995	0.06	(-0.05, 0.18)
EOEC	Male	1996	0.05	(-0.06, 0.16)
EOEC	Male	1997	0.05	(-0.06, 0.16)

EOEC	Male	1998	0.05	(-0.06, 0.15)
EOEC	Male	1999	0.03	(-0.08, 0.14)
EOEC	Male	2000	0.02	(-0.09, 0.13)
EOEC	Male	2001	0.02	(-0.09, 0.13)
EOEC	Male	2002	0.02	(-0.11, 0.13)
EOEC	Male	2003	0.02	(-0.09, 0.13)
EOEC	Male	2004	0.02	(-0.09, 0.14)
EOEC	Male	2005	0.01	(-0.1, 0.13)
EOEC	Male	2006	0.01	(-0.09, 0.12)
EOEC	Male	2007	0	(-0.1, 0.1)
EOEC	Male	2008	-0.01	(-0.12, 0.1)
EOEC	Male	2009	-0.03	(-0.13, 0.07)
EOEC	Male	2010	-0.03	(-0.14, 0.07)
EOEC	Male	2011	-0.04	(-0.14, 0.06)
EOEC	Male	2012	-0.03	(-0.14, 0.07)
EOEC	Male	2013	-0.03	(-0.13, 0.08)
EOEC	Male	2014	-0.02	(-0.12, 0.08)
EOEC	Male	2015	-0.02	(-0.12, 0.09)
EOEC	Male	2016	0	(-0.11, 0.1)
EOEC	Male	2017	0	(-0.1, 0.1)
EOEC	Male	2018	0	(-0.11, 0.1)
EOEC	Male	2019	-0.01	(-0.11, 0.1)
EOEC	Male	2020	0.01	(-0.1, 0.11)
EOEC	Male	2021	0	(-0.1, 0.1)
MOEC	Both	1990	0.07	(-0.03, 0.18)
MOEC	Both	1991	0.07	(-0.03, 0.18)
MOEC	Both	1992	0.06	(-0.05, 0.17)
MOEC	Both	1993	0.05	(-0.05, 0.15)
MOEC	Both	1994	0.05	(-0.06, 0.16)
MOEC	Both	1995	0.04	(-0.06, 0.16)
MOEC	Both	1996	0.02	(-0.07, 0.13)
MOEC	Both	1997	0.03	(-0.07, 0.13)
MOEC	Both	1998	0.02	(-0.08, 0.12)
MOEC	Both	1999	0.01	(-0.09, 0.1)
MOEC	Both	2000	-0.01	(-0.12, 0.1)
MOEC	Both	2001	-0.01	(-0.12, 0.11)
MOEC	Both	2002	-0.01	(-0.11, 0.1)

MOEC	Both	2003	-0.01	(-0.12, 0.09)
MOEC	Both	2004	-0.01	(-0.11, 0.1)
MOEC	Both	2005	-0.02	(-0.12, 0.09)
MOEC	Both	2006	-0.02	(-0.13, 0.08)
MOEC	Both	2007	-0.04	(-0.15, 0.06)
MOEC	Both	2008	-0.06	(-0.16, 0.05)
MOEC	Both	2009	-0.07	(-0.17, 0.04)
MOEC	Both	2010	-0.08	(-0.18, 0.02)
MOEC	Both	2011	-0.09	(-0.19, 0.02)
MOEC	Both	2012	-0.09	(-0.18, 0.02)
MOEC	Both	2013	-0.08	(-0.19, 0.02)
MOEC	Both	2014	-0.08	(-0.18, 0.02)
MOEC	Both	2015	-0.08	(-0.19, 0.03)
MOEC	Both	2016	-0.07	(-0.18, 0.03)
MOEC	Both	2017	-0.08	(-0.17, 0.02)
MOEC	Both	2018	-0.08	(-0.18, 0.02)
MOEC	Both	2019	-0.08	(-0.18, 0.03)
MOEC	Both	2020	-0.07	(-0.18, 0.03)
MOEC	Both	2021	-0.08	(-0.18, 0.02)
MOEC	Female	1990	0.17	(0.07, 0.28)
MOEC	Female	1991	0.17	(0.06, 0.28)
MOEC	Female	1992	0.16	(0.06, 0.27)
MOEC	Female	1993	0.16	(0.06, 0.27)
MOEC	Female	1994	0.16	(0.05, 0.26)
MOEC	Female	1995	0.15	(0.04, 0.25)
MOEC	Female	1996	0.13	(0.03, 0.24)
MOEC	Female	1997	0.14	(0.03, 0.24)
MOEC	Female	1998	0.14	(0.02, 0.23)
MOEC	Female	1999	0.12	(0.02, 0.23)
MOEC	Female	2000	0.1	(0, 0.21)
MOEC	Female	2001	0.11	(0, 0.22)
MOEC	Female	2002	0.1	(-0.01, 0.21)
MOEC	Female	2003	0.1	(0, 0.2)
MOEC	Female	2004	0.1	(0, 0.21)
MOEC	Female	2005	0.1	(-0.02, 0.21)
MOEC	Female	2006	0.09	(-0.02, 0.2)
MOEC	Female	2007	0.08	(-0.02, 0.18)

MOEC	Female	2008	0.07	(-0.03, 0.17)
MOEC	Female	2009	0.06	(-0.04, 0.16)
MOEC	Female	2010	0.06	(-0.04, 0.17)
MOEC	Female	2011	0.06	(-0.04, 0.16)
MOEC	Female	2012	0.06	(-0.03, 0.15)
MOEC	Female	2013	0.07	(-0.02, 0.17)
MOEC	Female	2014	0.07	(-0.02, 0.17)
MOEC	Female	2015	0.07	(-0.02, 0.17)
MOEC	Female	2016	0.08	(-0.01, 0.18)
MOEC	Female	2017	0.07	(-0.03, 0.17)
MOEC	Female	2018	0.07	(-0.02, 0.17)
MOEC	Female	2019	0.07	(-0.03, 0.17)
MOEC	Female	2020	0.08	(-0.02, 0.18)
MOEC	Female	2021	0.07	(-0.02, 0.17)
MOEC	Male	1990	0.04	(-0.06, 0.15)
MOEC	Male	1991	0.04	(-0.07, 0.14)
MOEC	Male	1992	0.02	(-0.08, 0.14)
MOEC	Male	1993	0.01	(-0.08, 0.11)
MOEC	Male	1994	0.01	(-0.1, 0.11)
MOEC	Male	1995	0	(-0.1, 0.1)
MOEC	Male	1996	-0.01	(-0.13, 0.09)
MOEC	Male	1997	-0.01	(-0.12, 0.1)
MOEC	Male	1998	-0.01	(-0.12, 0.09)
MOEC	Male	1999	-0.03	(-0.13, 0.07)
MOEC	Male	2000	-0.05	(-0.16, 0.06)
MOEC	Male	2001	-0.04	(-0.15, 0.06)
MOEC	Male	2002	-0.05	(-0.16, 0.06)
MOEC	Male	2003	-0.05	(-0.16, 0.06)
MOEC	Male	2004	-0.04	(-0.15, 0.07)
MOEC	Male	2005	-0.05	(-0.17, 0.06)
MOEC	Male	2006	-0.06	(-0.17, 0.05)
MOEC	Male	2007	-0.08	(-0.18, 0.03)
MOEC	Male	2008	-0.09	(-0.2, 0)
MOEC	Male	2009	-0.11	(-0.2, 0)
MOEC	Male	2010	-0.12	(-0.22, -0.02)
MOEC	Male	2011	-0.13	(-0.23, -0.03)
MOEC	Male	2012	-0.13	(-0.23, -0.02)

MOEC	Male	2013	-0.12	(-0.22, -0.01)
MOEC	Male	2014	-0.12	(-0.23, -0.01)
MOEC	Male	2015	-0.12	(-0.23, -0.02)
MOEC	Male	2016	-0.11	(-0.21, 0)
MOEC	Male	2017	-0.12	(-0.22, -0.02)
MOEC	Male	2018	-0.12	(-0.23, -0.02)
MOEC	Male	2019	-0.12	(-0.22, -0.02)
MOEC	Male	2020	-0.11	(-0.21, -0.01)
MOEC	Male	2021	-0.12	(-0.22, -0.01)
LOEC	Both	1990	0.01	(-0.1, 0.11)
LOEC	Both	1991	0.01	(-0.09, 0.1)
LOEC	Both	1992	0	(-0.11, 0.1)
LOEC	Both	1993	-0.01	(-0.11, 0.08)
LOEC	Both	1994	-0.02	(-0.12, 0.08)
LOEC	Both	1995	-0.03	(-0.12, 0.07)
LOEC	Both	1996	-0.04	(-0.15, 0.06)
LOEC	Both	1997	-0.04	(-0.15, 0.06)
LOEC	Both	1998	-0.05	(-0.15, 0.06)
LOEC	Both	1999	-0.06	(-0.18, 0.04)
LOEC	Both	2000	-0.08	(-0.19, 0.02)
LOEC	Both	2001	-0.07	(-0.17, 0.03)
LOEC	Both	2002	-0.08	(-0.18, 0.03)
LOEC	Both	2003	-0.07	(-0.18, 0.03)
LOEC	Both	2004	-0.07	(-0.17, 0.04)
LOEC	Both	2005	-0.08	(-0.18, 0.03)
LOEC	Both	2006	-0.08	(-0.19, 0.02)
LOEC	Both	2007	-0.1	(-0.2, 0.01)
LOEC	Both	2008	-0.12	(-0.22, -0.02)
LOEC	Both	2009	-0.14	(-0.24, -0.04)
LOEC	Both	2010	-0.15	(-0.25, -0.04)
LOEC	Both	2011	-0.16	(-0.26, -0.05)
LOEC	Both	2012	-0.16	(-0.26, -0.07)
LOEC	Both	2013	-0.16	(-0.27, -0.05)
LOEC	Both	2014	-0.16	(-0.27, -0.06)
LOEC	Both	2015	-0.16	(-0.27, -0.06)
LOEC	Both	2016	-0.15	(-0.26, -0.05)
LOEC	Both	2017	-0.16	(-0.26, -0.06)

LOEC	Both	2018	-0.17	(-0.27, -0.06)
LOEC	Both	2019	-0.17	(-0.27, -0.06)
LOEC	Both	2020	-0.17	(-0.27, -0.07)
LOEC	Both	2021	-0.18	(-0.29, -0.08)
LOEC	Female	1990	0.04	(-0.06, 0.14)
LOEC	Female	1991	0.04	(-0.06, 0.14)
LOEC	Female	1992	0.03	(-0.08, 0.12)
LOEC	Female	1993	0.02	(-0.09, 0.12)
LOEC	Female	1994	0.02	(-0.09, 0.12)
LOEC	Female	1995	0.01	(-0.1, 0.11)
LOEC	Female	1996	-0.01	(-0.11, 0.09)
LOEC	Female	1997	-0.01	(-0.11, 0.1)
LOEC	Female	1998	-0.01	(-0.11, 0.1)
LOEC	Female	1999	-0.02	(-0.13, 0.08)
LOEC	Female	2000	-0.04	(-0.14, 0.07)
LOEC	Female	2001	-0.03	(-0.13, 0.07)
LOEC	Female	2002	-0.03	(-0.14, 0.07)
LOEC	Female	2003	-0.03	(-0.13, 0.08)
LOEC	Female	2004	-0.02	(-0.13, 0.08)
LOEC	Female	2005	-0.03	(-0.13, 0.08)
LOEC	Female	2006	-0.03	(-0.14, 0.07)
LOEC	Female	2007	-0.04	(-0.15, 0.06)
LOEC	Female	2008	-0.06	(-0.16, 0.05)
LOEC	Female	2009	-0.07	(-0.18, 0.04)
LOEC	Female	2010	-0.08	(-0.19, 0.03)
LOEC	Female	2011	-0.09	(-0.2, 0.02)
LOEC	Female	2012	-0.09	(-0.19, 0.01)
LOEC	Female	2013	-0.09	(-0.2, 0.01)
LOEC	Female	2014	-0.09	(-0.19, 0.01)
LOEC	Female	2015	-0.09	(-0.2, 0.01)
LOEC	Female	2016	-0.08	(-0.19, 0.02)
LOEC	Female	2017	-0.09	(-0.19, 0.01)
LOEC	Female	2018	-0.1	(-0.2, 0)
LOEC	Female	2019	-0.1	(-0.21, 0)
LOEC	Female	2020	-0.1	(-0.19, 0)
LOEC	Female	2021	-0.11	(-0.21, 0)
LOEC	Male	1990	-0.01	(-0.12, 0.09)

LOEC	Male	1991	-0.01	(-0.11, 0.09)
LOEC	Male	1992	-0.02	(-0.13, 0.08)
LOEC	Male	1993	-0.03	(-0.13, 0.07)
LOEC	Male	1994	-0.04	(-0.14, 0.06)
LOEC	Male	1995	-0.05	(-0.15, 0.06)
LOEC	Male	1996	-0.06	(-0.16, 0.03)
LOEC	Male	1997	-0.06	(-0.17, 0.04)
LOEC	Male	1998	-0.07	(-0.17, 0.04)
LOEC	Male	1999	-0.09	(-0.2, 0.02)
LOEC	Male	2000	-0.1	(-0.2, 0)
LOEC	Male	2001	-0.1	(-0.2, 0.01)
LOEC	Male	2002	-0.1	(-0.2, 0)
LOEC	Male	2003	-0.1	(-0.21, 0)
LOEC	Male	2004	-0.09	(-0.2, 0.01)
LOEC	Male	2005	-0.1	(-0.21, 0)
LOEC	Male	2006	-0.11	(-0.21, -0.01)
LOEC	Male	2007	-0.13	(-0.23, -0.01)
LOEC	Male	2008	-0.15	(-0.25, -0.04)
LOEC	Male	2009	-0.17	(-0.27, -0.05)
LOEC	Male	2010	-0.18	(-0.29, -0.07)
LOEC	Male	2011	-0.19	(-0.29, -0.08)
LOEC	Male	2012	-0.19	(-0.29, -0.08)
LOEC	Male	2013	-0.19	(-0.29, -0.08)
LOEC	Male	2014	-0.19	(-0.3, -0.08)
LOEC	Male	2015	-0.19	(-0.3, -0.09)
LOEC	Male	2016	-0.19	(-0.29, -0.08)
LOEC	Male	2017	-0.2	(-0.29, -0.09)
LOEC	Male	2018	-0.2	(-0.3, -0.1)
LOEC	Male	2019	-0.2	(-0.31, -0.1)
LOEC	Male	2020	-0.2	(-0.3, -0.09)
LOEC	Male	2021	-0.21	(-0.31, -0.12)

Abbreviations: DALYs, disability-adjusted life-years; EOEC, early-onset esophageal cancer; MOEC, middle-onset esophageal cancer; LOEC, late-onset esophageal cancer; CI, confidence interval.

Supplementary Table S13. Changes in Incidence, mortality and DALYs number of EOEC, MOEC and LOEC according to population-level determinants from 1990 to 2021.

Measure	Location	Overall difference ^a	Change due to Population-level determinants (% contribute to the total changes)		
			Aging ^b	Population ^c	Epidemiological change ^d
EOEC					
Incidence	Global	862.04	10330.427 (1198.37%)	16618.536 (1927.81%)	-26086.925 (-3026.18%)
Incidence	Low SDI	2080.21	58.354 (2.81%)	2761.264 (132.74%)	-739.408 (-35.54%)
Incidence	Low-middle SDI	3183.79	813.171 (25.54%)	3355.013 (105.38%)	-984.393 (-30.92%)
Incidence	Middle SDI	-3041.15	6811.698 (-223.98%)	5876.583 (-193.24%)	-15729.43 (517.22%)
Incidence	High-middle SDI	-1317.64	5049.443 (-383.22%)	1395.166 (-105.88%)	-7762.249 (589.1%)
Incidence	High SDI	-46.12	865.366 (-1876.34%)	387.519 (-840.24%)	-1299.005 (2816.58%)
Incidence	High-income	-253.04	218.595 (-86.39%)	-122.679 (48.48%)	-348.957 (137.91%)
Incidence	Asia Pacific	-166.24	174.612 (-105.04%)	192.237 (-115.64%)	-533.087 (320.67%)
Incidence	Central Asia	970.77	505.827 (52.11%)	676.004 (69.64%)	-211.058 (-21.74%)
Incidence	Southeast Asia	-6026.03	12473.898 (-207%)	-12.425 (0.21%)	-18487.506 (306.79%)
Incidence	East Asia	-139.54	134.499 (-96.39%)	-70.559 (50.57%)	-203.477 (145.82%)
Incidence	Central Europe	-132.06	328.561 (-248.8%)	-131.446 (99.54%)	-329.178 (249.26%)
Incidence	Eastern Europe	552.54	280.148 (50.7%)	644.084 (116.57%)	-371.688 (-67.27%)
Incidence	North Africa and Middle East	39.18	10.34 (26.39%)	20.645 (52.69%)	8.199 (20.93%)
Incidence	Australasia	-614.87	393.9 (-64.06%)	-48.466 (7.88%)	-960.303 (156.18%)
Incidence	Western Europe	20.38	12.797 (62.79%)	34.684 (170.19%)	-27.099 (-132.97%)
Incidence	Andean Latin America	68.99	34.041 (49.34%)	36.368 (52.71%)	-1.42 (-2.06%)
Incidence	Caribbean	196.85	135.888 (69.03%)	146.923 (74.64%)	-85.962 (-43.67%)
Incidence	High-income North America	798.92	0.769 (0.1%)	544.427 (68.15%)	253.719 (31.76%)
Incidence	Western Sub- Saharan Africa	3063.2	742.314 (24.23%)	3544.623 (115.72%)	-1223.734 (-39.95%)
Incidence	South Asia	11.13	2.241 (20.13%)	11.696 (105.09%)	-2.805 (-25.2%)
Incidence	Oceania	329.73	44.29 (13.43%)	465.297 (141.11%)	-179.853 (-54.55%)
Incidence	Central Sub- Saharan Africa	116.04	93.127 (80.25%)	153.836 (132.57%)	-130.928 (-112.83%)
Incidence	Central Latin America	-60.75	28.773 (-47.36%)	72.825 (-119.88%)	-162.348 (267.24%)
Incidence	Southern Latin America	474.68	388.817 (81.91%)	485.962 (102.38%)	-400.103 (-84.29%)
Incidence	Tropical Latin America	1374.03	119.191 (8.67%)	1849.821 (134.63%)	-594.987 (-43.3%)
Incidence	Eastern Sub- Saharan Africa	238.13	201.088 (84.44%)	409.287 (171.88%)	-372.242 (-156.32%)
Incidence	Southern Sub- Saharan Africa	-3732.59	8642.854 (-231.55%)	13909.174 (-372.64%)	-26284.618 (704.19%)
Mortality	Global	1887.74	53.642 (2.84%)	2546.027 (134.87%)	-711.926 (-37.71%)
Mortality	Low SDI				

Mortality	Low-middle SDI	2784.45	739.017 (26.54%)	3055.517 (109.74%)	-1010.083 (-36.28%)
Mortality	Middle SDI	-4481.06	5809.29 (-129.64%)	4992.278 (-111.41%)	-15282.624 (341.05%)
Mortality	High-middle SDI	-3293.9	4127.3 (-125.3%)	1127.94 (-34.24%)	-8549.144 (259.54%)
Mortality	High SDI	-631.7	613.142 (-97.06%)	272.663 (-43.16%)	-1517.51 (240.23%)
Mortality	High-income Asia Pacific	-303.57	125.797 (-41.44%)	-68.751 (22.65%)	-360.619 (118.79%)
Mortality	Central Asia	-157.39	160.227 (-101.8%)	176.166 (-111.93%)	-493.781 (313.73%)
Mortality	Southeast Asia	729.09	437.877 (60.06%)	586.169 (80.4%)	-294.96 (-40.46%)
Mortality	East Asia	-9085.83	10315.159 (-113.53%)	-10.109 (0.11%)	-19390.879 (213.42%)
Mortality	Central Europe	-139.28	121.287 (-87.08%)	-63.116 (45.32%)	-197.449 (141.76%)
Mortality	Eastern Europe	-172.75	278.275 (-161.09%)	-110.307 (63.85%)	-340.722 (197.23%)
Mortality	North Africa and Middle East	440.36	246.775 (56.04%)	569.577 (129.34%)	-375.99 (-85.38%)
Mortality	Australasia	23.3	7.715 (33.11%)	15.258 (65.48%)	0.327 (1.4%)
Mortality	Western Europe	-745.27	290.202 (-38.94%)	-35.241 (4.73%)	-1000.228 (134.21%)
Mortality	Andean Latin America	15.56	11.446 (73.56%)	31.116 (199.97%)	-27.002 (-173.53%)
Mortality	Caribbean	58.12	30.093 (51.78%)	32.114 (55.25%)	-4.084 (-7.03%)
Mortality	High-income North America	41.33	95.51 (231.09%)	100.981 (244.33%)	-155.156 (-375.41%)
Mortality	Western Sub-Saharan Africa	732.94	0.595 (0.08%)	502.501 (68.56%)	229.843 (31.36%)
Mortality	South Asia	2647.37	674.286 (25.47%)	3225.886 (121.85%)	-1252.806 (-47.32%)
Mortality	Oceania	9.86	2.022 (20.51%)	10.55 (107%)	-2.716 (-27.55%)
Mortality	Central Sub-Saharan Africa	300.31	40.96 (13.64%)	430.349 (143.3%)	-170.994 (-56.94%)
Mortality	Central Latin America	91.11	82.949 (91.04%)	136.953 (150.32%)	-128.787 (-141.35%)
Mortality	Southern Latin America	-65.25	25.094 (-38.46%)	63.293 (-97%)	-153.637 (235.46%)
Mortality	Tropical Latin America	389.82	349.373 (89.62%)	435.805 (111.8%)	-395.358 (-101.42%)
Mortality	Eastern Sub-Saharan Africa	1245.91	109.317 (8.77%)	1704.892 (136.84%)	-568.3 (-45.61%)
Mortality	Southern Sub-Saharan Africa	211.66	181.955 (85.97%)	370.675 (175.13%)	-340.972 (-161.09%)
DALYs	Global	-194070.38	385651.987 (-198.72%)	658919.108 (-339.53%)	-1238641.476 (638.24%)
DALYs	Low SDI	90537.86	2450.649 (2.71%)	121944.524 (134.69%)	-33857.316 (-37.4%)
DALYs	Low-middle SDI	131818.62	33653.145 (25.53%)	146883.011 (111.43%)	-48717.532 (-36.96%)
DALYs	Middle SDI	-224008.51	261212.055 (-116.61%)	236609.588 (-105.63%)	-721830.149 (322.23%)
DALYs	High-middle SDI	-163490.78	183472.029 (-112.22%)	52918.568 (-32.37%)	-399881.377 (244.59%)
DALYs	High SDI	-29011.24	27002.299 (-93.08%)	12726.492 (-43.87%)	-68740.027 (236.94%)
DALYs	High-income Asia Pacific	-13897.64	5538.109 (-39.85%)	-3156.07 (22.71%)	-16279.682 (117.14%)
DALYs	Central Asia	-7846.69	7176.902 (-91.46%)	8522.563 (-108.61%)	-23546.158 (300.08%)
DALYs	Southeast Asia	33130.54	19594.636 (59.14%)	28126.913 (84.9%)	-14591.011 (-44.04%)
DALYs	East Asia	-447169.59	459187.535 (-102.69%)	-475.264 (0.11%)	-905881.864 (202.58%)

DALYs	Central Europe	-6667.44	5341.861 (-80.12%)	-2907.64 (43.61%)	-9101.658 (136.51%)
DALYs	Eastern Europe	-7807.64	12303.235 (-157.58%)	-5082.79 (65.1%)	-15028.086 (192.48%)
DALYs	North Africa and Middle East	20888.74	11294.463 (54.07%)	27525.951 (131.77%)	-17931.675 (-85.84%)
DALYs	Australasia	1064.33	338.489 (31.8%)	716.024 (67.27%)	9.82 (0.92%)
DALYs	Western Europe	-34360.63	12765.039 (-37.15%)	-1635.574 (4.76%)	-45490.098 (132.39%)
DALYs	Andean Latin America	727.38	521.186 (71.65%)	1525.457 (209.72%)	-1319.266 (-181.37%)
DALYs	Caribbean	2601.02	1343.303 (51.65%)	1504.954 (57.86%)	-247.239 (-9.51%)
DALYs	High-income North America	2283.11	4056.035 (177.65%)	4770.976 (208.97%)	-6543.898 (-286.62%)
DALYs	Western Sub-Saharan Africa	34956.18	29.597 (0.08%)	23872.302 (68.29%)	11054.285 (31.62%)
DALYs	South Asia	125183.39	30610.589 (24.45%)	155146.492 (123.94%)	-60573.691 (-48.39%)
DALYs	Oceania	483.81	92.765 (19.17%)	519.726 (107.42%)	-128.68 (-26.6%)
DALYs	Central Sub-Saharan Africa	14217.37	1849.856 (13.01%)	20417.502 (143.61%)	-8049.988 (-56.62%)
DALYs	Central Latin America	4146.92	3740.589 (90.2%)	6735.54 (162.42%)	-6329.207 (-152.62%)
DALYs	Southern Latin America	-3022.11	1125.422 (-37.24%)	2978.565 (-98.56%)	-7126.098 (235.8%)
DALYs	Tropical Latin America	17895.76	15743.762 (87.97%)	20513.554 (114.63%)	-18361.554 (-102.6%)
DALYs	Eastern Sub-Saharan Africa	59726.98	5064.725 (8.48%)	81612.38 (136.64%)	-26950.123 (-45.12%)
DALYs	Southern Sub-Saharan Africa	9395.83	8460.839 (90.05%)	17731.595 (188.72%)	-16796.603 (-178.77%)
MOEC					
Incidence	Global	79539.68	1219.7 (1.53%)	185040.184 (232.64%)	-106720.201 (-134.17%)
Incidence	Low SDI	6681.71	-145.697 (-2.18%)	10024.551 (150.03%)	-3197.139 (-47.85%)
Incidence	Low-middle SDI	13975.32	176.723 (1.26%)	17434.845 (124.75%)	-3636.252 (-26.02%)
Incidence	Middle SDI	24145.04	903.442 (3.74%)	97793.962 (405.03%)	-74552.367 (-308.77%)
Incidence	High-middle SDI	22797.2	902.398 (3.96%)	48230.785 (211.56%)	-26335.988 (-115.52%)
Incidence	High SDI	11896.51	395.564 (3.33%)	18710.653 (157.28%)	-7209.703 (-60.6%)
Incidence	High-income Asia Pacific	791.51	376.284 (47.54%)	2881.433 (364.04%)	-2466.203 (-311.58%)
Incidence	Central Asia	-1409.8	90.574 (-6.42%)	1933.133 (-137.12%)	-3433.51 (243.55%)
Incidence	Southeast Asia	5295.34	71.461 (1.35%)	6235.24 (117.75%)	-1011.362 (-19.1%)
Incidence	East Asia	35993.1	593.255 (1.65%)	135659.013 (376.9%)	-100259.17 (-278.55%)
Incidence	Central Europe	669.4	59.189 (8.84%)	459.09 (68.58%)	151.125 (22.58%)
Incidence	Eastern Europe	-1203.5	354.742 (-29.48%)	587.39 (-48.81%)	-2145.635 (178.28%)
Incidence	North Africa and Middle East	1811.57	-43.314 (-2.39%)	3404.115 (187.91%)	-1549.226 (-85.52%)
Incidence	Australasia	297.76	-4.538 (-1.52%)	461.916 (155.13%)	-159.615 (-53.61%)
Incidence	Western Europe	1934.5	-124.396 (-6.43%)	4850.627 (250.74%)	-2791.734 (-144.31%)
Incidence	Andean Latin America	136.37	4.294 (3.15%)	250.445 (183.65%)	-118.371 (-86.8%)
Incidence	Caribbean	579.8	-6.336 (-1.09%)	551.106 (95.05%)	35.025 (6.04%)

Incidence	High-income North America	5455.15	28.826 (0.53%)	6365.782 (116.69%)	-939.461 (-17.22%)
Incidence	Western Sub-Saharan Africa	3192.75	-96.063 (-3.01%)	2247.063 (70.38%)	1041.753 (32.63%)
Incidence	South Asia	13780.2	321.737 (2.33%)	17748.692 (128.8%)	-4290.228 (-31.13%)
Incidence	Oceania	40	-1.955 (-4.89%)	52.636 (131.59%)	-10.683 (-26.71%)
Incidence	Central Sub-Saharan Africa	1316.68	-53.551 (-4.07%)	2045.007 (155.32%)	-674.776 (-51.25%)
Incidence	Central Latin America	772.49	27.773 (3.6%)	1461.224 (189.16%)	-716.51 (-92.75%)
Incidence	Southern Latin America	-171.29	6.355 (-3.71%)	859.02 (-501.5%)	-1036.669 (605.21%)
Incidence	Tropical Latin America	3782.36	78.602 (2.08%)	5140.523 (135.91%)	-1436.77 (-37.99%)
Incidence	Eastern Sub-Saharan Africa	4391.59	-131.646 (-3%)	6971.857 (158.75%)	-2448.625 (-55.76%)
Incidence	Southern Sub-Saharan Africa	2083.73	10.2 (0.49%)	2006.299 (96.28%)	67.227 (3.23%)
Mortality	Global	51002.6	1238.89 (2.43%)	171996.533 (337.23%)	-122232.823 (-239.66%)
Mortality	Low SDI	6608.41	-156.353 (-2.37%)	10040.253 (151.93%)	-3275.495 (-49.57%)
Mortality	Low-middle SDI	13599.33	199.509 (1.47%)	17324.402 (127.39%)	-3924.582 (-28.86%)
Mortality	Middle SDI	13628.24	940.427 (6.9%)	93055.487 (682.81%)	-80367.676 (-589.71%)
Mortality	High-middle SDI	11244.77	917.509 (8.16%)	44544.254 (396.13%)	-34216.997 (-304.29%)
Mortality	High SDI	5883.31	343.38 (5.84%)	15352.576 (260.95%)	-9812.649 (-166.79%)
Mortality	High-income Asia Pacific	-811.81	253.484 (-31.22%)	1895.529 (-233.49%)	-2960.826 (364.72%)
Mortality	Central Asia	-1418.73	97.743 (-6.89%)	1935.98 (-136.46%)	-3452.453 (243.35%)
Mortality	Southeast Asia	4781.72	76.432 (1.6%)	6028.124 (126.07%)	-1322.837 (-27.66%)
Mortality	East Asia	14567.9	700.583 (4.81%)	126823.64 (870.57%)	-112956.32 (-775.38%)
Mortality	Central Europe	595.72	67.556 (11.34%)	450.048 (75.55%)	78.111 (13.11%)
Mortality	Eastern Europe	-1408.79	375.175 (-26.63%)	556.87 (-39.53%)	-2340.833 (166.16%)
Mortality	North Africa and Middle East	1649.01	-44.93 (-2.72%)	3342.006 (202.67%)	-1648.064 (-99.94%)
Mortality	Australasia	207.54	-4.193 (-2.02%)	402.182 (193.79%)	-190.448 (-91.76%)
Mortality	Western Europe	-286.96	-118.609 (41.33%)	4153.467 (-1447.4%)	-4321.816 (1506.07%)
Mortality	Andean Latin America	127.98	4.573 (3.57%)	248.972 (194.54%)	-125.57 (-98.12%)
Mortality	Caribbean	540.71	-7.096 (-1.31%)	535.261 (98.99%)	12.55 (2.32%)
Mortality	High-income North America	4036.13	22.474 (0.56%)	5354.852 (132.67%)	-1341.194 (-33.23%)
Mortality	Western Sub-Saharan Africa	3174.63	-104.841 (-3.3%)	2250.255 (70.88%)	1029.213 (32.42%)
Mortality	South Asia	13396.87	364.122 (2.72%)	17630.263 (131.6%)	-4597.518 (-34.32%)
Mortality	Oceania	39.07	-2.11 (-5.4%)	52.217 (133.65%)	-11.041 (-28.26%)
Mortality	Central Sub-Saharan Africa	1302.88	-58.66 (-4.5%)	2048.785 (157.25%)	-687.247 (-52.75%)
Mortality	Central Latin America	728.21	29.338 (4.03%)	1443.851 (198.27%)	-744.981 (-102.3%)

Mortality	Southern Latin America	-222.38	6.768 (-3.04%)	836.46 (-376.14%)	-1065.607 (479.18%)
Mortality	Tropical Latin America	3607.22	85.186 (2.36%)	5056.679 (140.18%)	-1534.641 (-42.54%)
Mortality	Eastern Sub-Saharan Africa	4344.75	-143.058 (-3.29%)	6983.367 (160.73%)	-2495.556 (-57.44%)
Mortality	Southern Sub-Saharan Africa	2050.94	10.797 (0.53%)	1986.963 (96.88%)	53.176 (2.59%)
DALYs	Global	1455467.84	17891.727 (1.23%)	5223182.352 (358.87%)	-3785606.241 (-260.1%)
DALYs	Low SDI	206280.36	-3240.407 (-1.57%)	310731.941 (150.64%)	-101211.173 (-49.06%)
DALYs	Low-middle SDI	418313.43	2839.033 (0.68%)	536413.302 (128.23%)	-120938.909 (-28.91%)
DALYs	Middle SDI	368831.49	14819.663 (4.02%)	2822947.176 (765.38%)	-2468935.353 (-669.39%)
DALYs	High-middle SDI	299861.73	14431.645 (4.81%)	1350959.058 (450.53%)	-1065528.977 (-355.34%)
DALYs	High SDI	161035.3	7219.966 (4.48%)	458686.932 (284.84%)	-304871.601 (-189.32%)
DALYs	High-income Asia Pacific	-30919.68	4706.043 (-15.22%)	56786.294 (-183.66%)	-92412.022 (298.88%)
DALYs	Central Asia	-44798.43	2019.494 (-4.51%)	59048.389 (-131.81%)	-105866.312 (236.32%)
DALYs	Southeast Asia	147084.84	1379.066 (0.94%)	186261.151 (126.64%)	-40555.373 (-27.57%)
DALYs	East Asia	364642.27	348.855 (0.1%)	3835202.301 (1051.77%)	-3470908.882 (-951.87%)
DALYs	Central Europe	14800.89	583.512 (3.94%)	13637.564 (92.14%)	579.81 (3.92%)
DALYs	Eastern Europe	-50948.48	5848.838 (-11.48%)	17059.104 (-33.48%)	-73856.422 (144.96%)
DALYs	North Africa and Middle East	50506.5	-986.979 (-1.95%)	102254.686 (202.46%)	-50761.206 (-100.5%)
DALYs	Australasia	6221.09	-69.305 (-1.11%)	11732.48 (188.59%)	-5442.081 (-87.48%)
DALYs	Western Europe	-14065.1	-1630.817 (11.59%)	124444.191 (-884.77%)	-136878.474 (973.18%)
DALYs	Andean Latin America	3806.82	93.792 (2.46%)	7448.535 (195.66%)	-3735.503 (-98.13%)
DALYs	Caribbean	17068.32	-83.121 (-0.49%)	16404.116 (96.11%)	747.328 (4.38%)
DALYs	High-income North America	118297.29	1136.355 (0.96%)	158163.285 (133.7%)	-41002.349 (-34.66%)
DALYs	Western Sub-Saharan Africa	98855.78	-1968.893 (-1.99%)	69290.294 (70.09%)	31534.378 (31.9%)
DALYs	South Asia	409252.85	4968.093 (1.21%)	546981.956 (133.65%)	-142697.201 (-34.87%)
DALYs	Oceania	1219.99	-41.327 (-3.39%)	1611.421 (132.08%)	-350.103 (-28.7%)
DALYs	Central Sub-Saharan Africa	41122.22	-1079.605 (-2.63%)	63752.06 (155.03%)	-21550.239 (-52.41%)
DALYs	Central Latin America	21994.85	612.635 (2.79%)	43561.044 (198.05%)	-22178.826 (-100.84%)
DALYs	Southern Latin America	-7289.09	119.605 (-1.64%)	24957.581 (-342.4%)	-32366.278 (444.04%)
DALYs	Tropical Latin America	110434.6	1497.377 (1.36%)	156552.488 (141.76%)	-47615.264 (-43.12%)
DALYs	Eastern Sub-Saharan Africa	134897.57	-2765.596 (-2.05%)	215827.147 (159.99%)	-78163.983 (-57.94%)
DALYs	Southern Sub-Saharan Africa	63282.73	234.769 (0.37%)	62101.974 (98.13%)	945.987 (1.49%)
MOEC					

Incidence	Global	141396.74	-166.32 (-0.12%)	155375.033 (109.89%)	-13811.977 (-9.77%)
Incidence	Low SDI	3893.38	18.824 (0.48%)	4845.002 (124.44%)	-970.448 (-24.93%)
Incidence	Low-middle SDI	9618.78	32.957 (0.34%)	10594.879 (110.15%)	-1009.061 (-10.49%)
Incidence	Middle SDI	52759.31	-35.453 (-0.07%)	74922.646 (142.01%)	-22127.881 (-41.94%)
Incidence	High-middle SDI	43021.44	-209.742 (-0.49%)	44662.993 (103.82%)	-1431.81 (-3.33%)
Incidence	High SDI	32063.48	236.687 (0.74%)	27617.508 (86.13%)	4209.288 (13.13%)
Incidence	High-income Asia Pacific	11728.17	100.337 (0.86%)	11441.724 (97.56%)	186.114 (1.59%)
Incidence	Central Asia	-801.36	-12.337 (1.54%)	680.365 (-84.9%)	-1469.391 (183.36%)
Incidence	Southeast Asia	2941.61	1.389 (0.05%)	3125.411 (106.25%)	-185.19 (-6.3%)
Incidence	East Asia	87051.92	1795.626 (2.06%)	119887.383 (137.72%)	-34631.094 (-39.78%)
Incidence	Central Europe	909.84	-3.542 (-0.39%)	1054.961 (115.95%)	-141.583 (-15.56%)
Incidence	Eastern Europe	-349.37	-35.769 (10.24%)	1168.386 (-334.43%)	-1481.984 (424.19%)
Incidence	North Africa and Middle East	2013.54	33.112 (1.64%)	2239.863 (111.24%)	-259.434 (-12.88%)
Incidence	Australasia	810.32	27.417 (3.38%)	785.022 (96.88%)	-2.114 (-0.26%)
Incidence	Western Europe	9479.29	348.649 (3.68%)	9125.656 (96.27%)	4.985 (0.05%)
Incidence	Andean Latin America	259.25	2.741 (1.06%)	341.246 (131.63%)	-84.736 (-32.69%)
Incidence	Caribbean	301.67	10.122 (3.36%)	439.807 (145.79%)	-148.262 (-49.15%)
Incidence	High-income North America	7562.09	-19.846 (-0.26%)	5754.77 (76.1%)	1827.162 (24.16%)
Incidence	Western Sub- Saharan Africa	1840.13	3.428 (0.19%)	1027.022 (55.81%)	809.684 (44%)
Incidence	South Asia	10016.1	47.542 (0.47%)	11017.024 (109.99%)	-1048.47 (-10.47%)
Incidence	Oceania	20.13	0.589 (2.93%)	22.542 (111.98%)	-2.997 (-14.89%)
Incidence	Central Sub- Saharan Africa	487.43	7.812 (1.6%)	641.093 (131.53%)	-161.472 (-33.13%)
Incidence	Central Latin America	885.44	28.76 (3.25%)	1660.035 (187.48%)	-803.352 (-90.73%)
Incidence	Southern Latin America	388.35	53.822 (13.86%)	1316.904 (339.1%)	-982.381 (-252.96%)
Incidence	Tropical Latin America	2420.11	54.937 (2.27%)	3493.496 (144.35%)	-1128.326 (-46.62%)
Incidence	Eastern Sub- Saharan Africa	2443.55	18.234 (0.75%)	2959.135 (121.1%)	-533.816 (-21.85%)
Incidence	Southern Sub- Saharan Africa	988.52	-10.192 (-1.03%)	904.327 (91.48%)	94.39 (9.55%)
Mortality	Global	135068.48	1493.918 (1.11%)	167241.23 (123.82%)	-33666.673 (-24.93%)
Mortality	Low SDI	4599.76	68.092 (1.48%)	5659.565 (123.04%)	-1127.896 (-24.52%)
Mortality	Low-middle SDI	11199.37	111.483 (1%)	12400.893 (110.73%)	-1313.005 (-11.72%)
Mortality	Middle SDI	52918.35	905.336 (1.71%)	83228.553 (157.28%)	-31215.536 (-58.99%)
Mortality	High-middle SDI	40147.98	435.389 (1.08%)	48559.297 (120.95%)	-8846.708 (-22.04%)
Mortality	High SDI	26160.37	869.256 (3.32%)	26575.737 (101.59%)	-1284.624 (-4.91%)
Mortality	High-income Asia Pacific	7725.92	466 (6.03%)	8978.832 (116.22%)	-1718.913 (-22.25%)
Mortality	Central Asia	-968.11	-22.339 (2.31%)	806.167 (-83.27%)	-1751.936 (180.96%)

Mortality	Southeast Asia	3210.56	17.755 (0.55%)	3567.204 (111.11%)	-374.399 (-11.66%)
Mortality	East Asia	83126.39	4319.285 (5.2%)	131222.867 (157.86%)	-52415.763 (-63.06%)
Mortality	Central Europe	988.4	13.847 (1.4%)	1228.768 (124.32%)	-254.215 (-25.72%)
Mortality	Eastern Europe	-583.09	-10.964 (1.88%)	1308.585 (-224.42%)	-1880.714 (322.54%)
Mortality	North Africa and Middle East	2290.28	57.662 (2.52%)	2605.364 (113.76%)	-372.743 (-16.27%)
Mortality	Australasia	798.08	48.804 (6.12%)	805.015 (100.87%)	-55.737 (-6.98%)
Mortality	Western Europe	8141.69	720.664 (8.85%)	9590.182 (117.79%)	-2169.156 (-26.64%)
Mortality	Andean Latin America	304.27	5.353 (1.76%)	408.584 (134.28%)	-109.665 (-36.04%)
Mortality	Caribbean	340.77	23.9 (7.01%)	513.894 (150.8%)	-197.022 (-57.82%)
Mortality	High-income North America	6955.75	37.358 (0.54%)	5633.405 (80.99%)	1284.987 (18.47%)
Mortality	Western Sub-Saharan Africa	2164.52	11.749 (0.54%)	1205.537 (55.7%)	947.23 (43.76%)
Mortality	South Asia	11670.89	127.593 (1.09%)	12882.467 (110.38%)	-1339.171 (-11.47%)
Mortality	Oceania	23.57	1.121 (4.76%)	26.19 (111.12%)	-3.743 (-15.88%)
Mortality	Central Sub-Saharan Africa	578.67	22.298 (3.85%)	746.355 (128.98%)	-189.986 (-32.83%)
Mortality	Central Latin America	1029.57	56.459 (5.48%)	1980.884 (192.4%)	-1007.777 (-97.88%)
Mortality	Southern Latin America	414.46	97.883 (23.62%)	1542.676 (372.21%)	-1226.094 (-295.83%)
Mortality	Tropical Latin America	2818.65	130.848 (4.64%)	4107.156 (145.71%)	-1419.357 (-50.36%)
Mortality	Eastern Sub-Saharan Africa	2886.95	67.807 (2.35%)	3455.281 (119.69%)	-636.138 (-22.03%)
Mortality	Southern Sub-Saharan Africa	1150.3	-19.325 (-1.68%)	1072.144 (93.21%)	97.477 (8.47%)
DALYs	Global	1984301.2	-41664.849 (-2.1%)	2695346.639 (135.83%)	-669380.595 (-33.73%)
DALYs	Low SDI	73165.19	-1214.493 (-1.66%)	95737.71 (130.85%)	-21358.027 (-29.19%)
DALYs	Low-middle SDI	178390.13	-1463.658 (-0.82%)	203517.64 (114.09%)	-23663.853 (-13.27%)
DALYs	Middle SDI	783256.67	-26192.178 (-3.34%)	1379270.551 (176.09%)	-569821.702 (-72.75%)
DALYs	High-middle SDI	581240.22	-15529.88 (-2.67%)	779764.292 (134.16%)	-182994.193 (-31.48%)
DALYs	High SDI	367598.44	-4355.871 (-1.18%)	402027.266 (109.37%)	-30072.955 (-8.18%)
DALYs	High-income Asia Pacific	107702.86	-3125.591 (-2.9%)	136650.37 (126.88%)	-25821.922 (-23.98%)
DALYs	Central Asia	-14920.91	207.886 (-1.39%)	12859.271 (-86.18%)	-27988.066 (187.58%)
DALYs	Southeast Asia	50704.19	-338.349 (-0.67%)	58304.851 (114.99%)	-7262.308 (-14.32%)
DALYs	East Asia	1210082.47	-30658.014 (-2.53%)	2165639.937 (178.97%)	-924899.455 (-76.43%)
DALYs	Central Europe	15880.69	-243.515 (-1.53%)	19123.451 (120.42%)	-2999.245 (-18.89%)
DALYs	Eastern Europe	-8049.55	-850.203 (10.56%)	20936.102 (-260.09%)	-28135.445 (349.53%)
DALYs	North Africa and Middle East	33889.72	-1.547 (0%)	41485.844 (122.41%)	-7594.581 (-22.41%)
DALYs	Australasia	10683.24	97.132 (0.91%)	11969.64 (112.04%)	-1383.531 (-12.95%)
DALYs	Western Europe	109372.32	-93.56 (-0.09%)	140638.964 (128.59%)	-31173.089 (-28.5%)
DALYs	Andean Latin America	4395.92	2.951 (0.07%)	6139.262 (139.66%)	-1746.289 (-39.73%)

DALYs	Caribbean	5125.9	-51.298 (-1%)	7836.172 (152.87%)	-2658.971 (-51.87%)
DALYs	High-income North America	102266.26	-433.512 (-0.42%)	87080.234 (85.15%)	15619.54 (15.27%)
DALYs	Western Sub- Saharan Africa	35207.15	-184.831 (-0.52%)	19976.394 (56.74%)	15415.59 (43.79%)
DALYs	South Asia	185587.95	-1241.646 (-0.67%)	212230.532 (114.36%)	-25400.931 (-13.69%)
DALYs	Oceania	376.93	-1.046 (-0.28%)	442.295 (117.34%)	-64.32 (-17.06%)
DALYs	Central Sub- Saharan Africa	9083.51	-312.24 (-3.44%)	12829.908 (141.24%)	-3434.156 (-37.81%)
DALYs	Central Latin America	15062.64	99.136 (0.66%)	29756.677 (197.55%)	-14793.169 (-98.21%)
DALYs	Southern Latin America	4768.74	148.072 (3.11%)	23159.511 (485.65%)	-18538.846 (-388.76%)
DALYs	Tropical Latin America	42490.24	-614.712 (-1.45%)	64722.534 (152.32%)	-21617.586 (-50.88%)
DALYs	Eastern Sub- Saharan Africa	45947.2	-1213.373 (-2.64%)	58533.78 (127.39%)	-11373.205 (-24.75%)
DALYs	Southern Sub- Saharan Africa	18643.71	-26.125 (-0.14%)	16894.711 (90.62%)	1775.121 (9.52%)

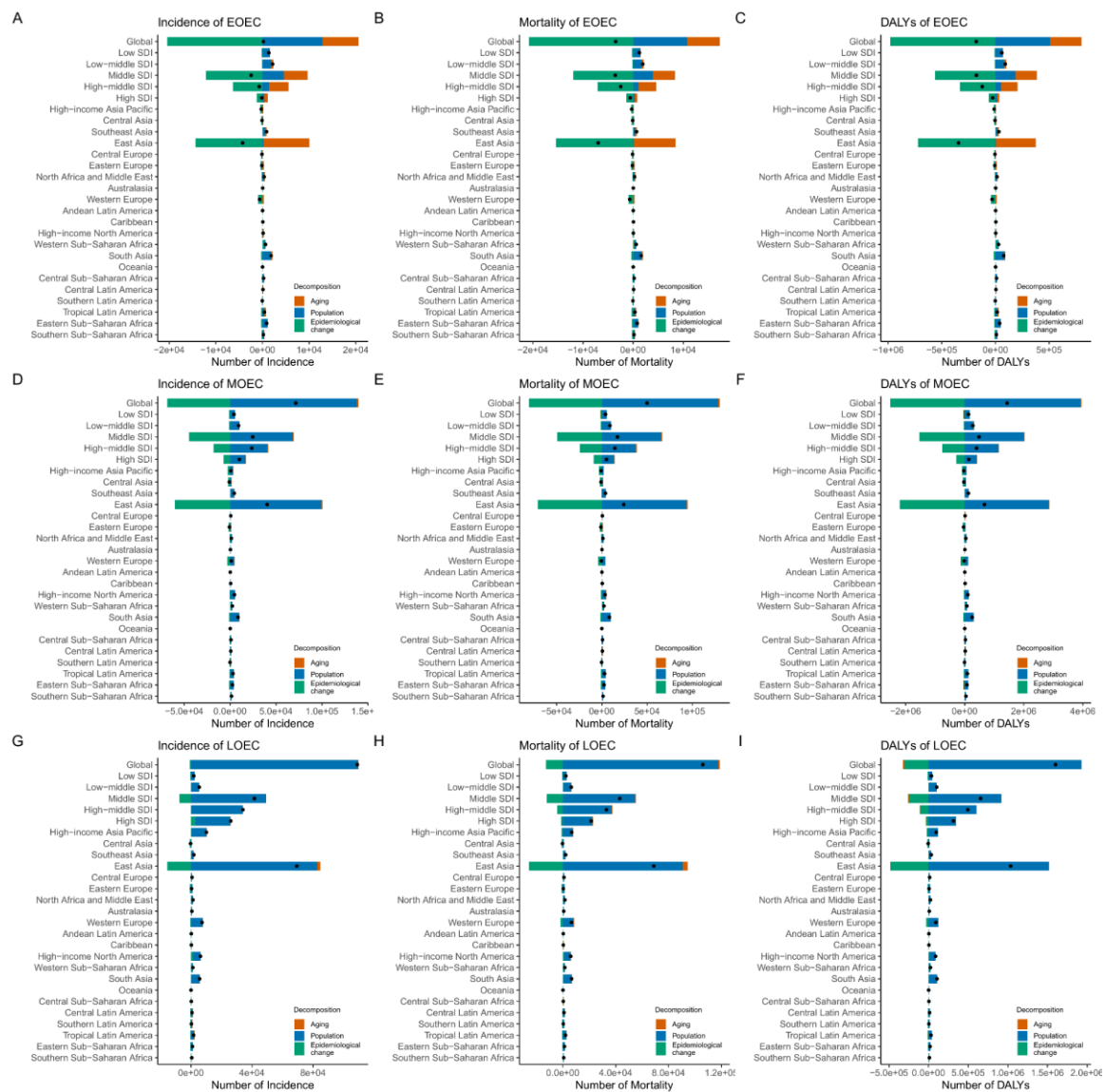
^a Change in incident, mortality, or DALYs number between year 2021 and 1990

^b Change in incident, mortality, or DALYs number due to change in the age structure

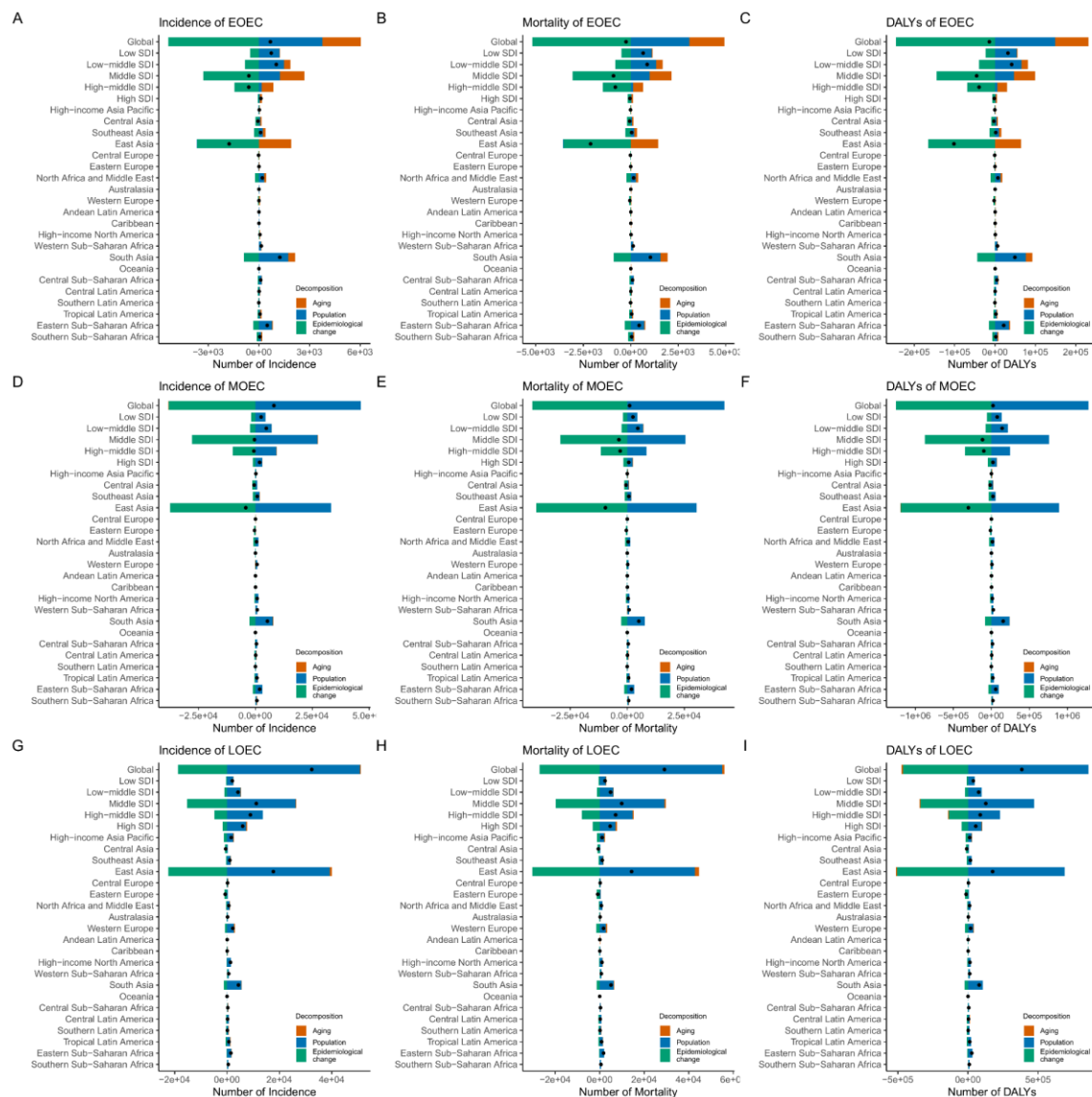
^c Change in incident, mortality, or DALYs due to change in population number

^d Change in incident, mortality, and DALYs due to epidemiologic changes. Epidemiologic changes refer to the incident, mortality, and DALYs number change when age structure and population hold constant.

Abbreviations: DALYs, disability-adjusted life-years; EOEC, early-onset esophageal cancer; MOEC, middle-onset esophageal cancer; LOEC, late-onset esophageal cancer.



Supplementary Figure S20. Changes in incidence, mortality, and DALYs for EOEC (A, B, C), MOEC (D, E, F), and LOEC (G, H, I) attributed to aging, population growth, and epidemiological changes **in male** at the global, SDI quintile, and regional levels from 1990 to 2021. Black dots represent the cumulative contribution of all three factors to the observed changes. A positive value for any component reflects its contribution to an increase in esophageal cancer incidence, mortality, and DALYs, while a negative value indicates a reduction in these measures. DALYs, disability-adjusted life-years; EOEC, early-onset esophageal cancer; MOEC, middle-onset esophageal cancer; LOEC, late-onset esophageal cancer; SDI: Socio-demographic index.



Supplementary Figure S21. Changes in incidence, mortality, and DALYs for EOEC (A, B, C), MOEC (D, E, F), and LOEC (G, H, I) attributed to aging, population growth, and epidemiological changes in female at the global, SDI quintile, and regional levels from 1990 to 2021. Black dots represent the cumulative contribution of all three factors to the observed changes. A positive value for any component reflects its contribution to an increase in esophageal cancer incidence, mortality, and DALYs, while a negative value indicates a reduction in these measures. DALYs, disability-adjusted life-years; EOEC, early-onset esophageal cancer; MOEC, middle-onset esophageal cancer; LOEC, late-onset esophageal cancer; SDI: Socio-demographic index.

Supplementary Table S14. Changes in Incidence, mortality and DALYs number of EOEC, MOEC and LOEC in male according to population-level determinants from 1990 to 2021.

Measure	Location	Overall difference ^a	Change due to	Population-level	determinants
			(% contribute to the total changes)		
			Aging ^b	Population ^c	Epidemiological change ^d
EOEC					
Incidence	Global	183.87	7738.344 (4208.6%)	12849.244 (6988.22%)	-20403.722 (-11096.82%)
Incidence	Low SDI	1349.55	18.669 (1.38%)	1550.757 (114.91%)	-219.877 (-16.29%)
Incidence	Low-middle SDI	2157.7	419.047 (19.42%)	1869.731 (86.65%)	-131.077 (-6.07%)
Incidence	Middle SDI	-2446.53	5082.187 (-207.73%)	4585.735 (-187.44%)	-12114.456 (495.17%)
Incidence	High-middle SDI	-715.98	4230.223 (-590.83%)	1366.465 (-190.85%)	-6312.669 (881.68%)
Incidence	High SDI	-162.96	741.047 (-454.74%)	380.681 (-233.6%)	-1284.687 (788.34%)
Incidence	High-income Asia Pacific	-275.39	182.477 (-66.26%)	-91.317 (33.16%)	-366.547 (133.1%)
Incidence	Central Asia	-109.31	100.552 (-91.99%)	112.357 (-102.79%)	-322.215 (294.77%)
Incidence	Southeast Asia	872.25	340.994 (39.09%)	463.846 (53.18%)	67.409 (7.73%)
Incidence	East Asia	-4262.97	9966.205 (-233.79%)	123.874 (-2.91%)	-14353.046 (336.69%)
Incidence	Central Europe	-121.15	121.735 (-100.48%)	-56.977 (47.03%)	-185.912 (153.46%)
Incidence	Eastern Europe	-139.37	297.559 (-213.5%)	-115.053 (82.55%)	-321.877 (230.95%)
Incidence	North Africa and Middle East	349.14	151.774 (43.47%)	336.933 (96.5%)	-139.562 (-39.97%)
Incidence	Australasia	34.63	6.87 (19.84%)	15.706 (45.35%)	12.058 (34.82%)
Incidence	Western Europe	-620.25	324.527 (-52.32%)	-41.725 (6.73%)	-903.055 (145.6%)
Incidence	Andean Latin America	15.32	7.638 (49.86%)	23.51 (153.46%)	-15.824 (-103.29%)
Incidence	Caribbean	63.53	25.443 (40.05%)	29.282 (46.09%)	8.802 (13.85%)
Incidence	High-income North America	133.93	109.212 (81.54%)	118.967 (88.83%)	-94.248 (-70.37%)
Incidence	Western Sub-Saharan Africa	658.41	-30.689 (-4.66%)	401.132 (60.92%)	287.963 (43.74%)
Incidence	South Asia	1826.38	340.883 (18.66%)	1805.68 (98.87%)	-320.18 (-17.53%)
Incidence	Oceania	8.4	1.508 (17.95%)	8.324 (99.1%)	-1.432 (-17.05%)
Incidence	Central Sub-Saharan Africa	222.81	41.383 (18.57%)	300.886 (135.04%)	-119.463 (-53.62%)
Incidence	Central Latin America	103.31	60.423 (58.49%)	107.145 (103.71%)	-64.253 (-62.19%)
Incidence	Southern Latin America	-54.23	20.478 (-37.76%)	55.75 (-102.8%)	-130.462 (240.57%)
Incidence	Tropical Latin America	409.79	309.193 (75.45%)	406.704 (99.25%)	-306.11 (-74.7%)
Incidence	Eastern Sub-Saharan Africa	883.66	59.118 (6.69%)	1081.344 (122.37%)	-256.797 (-29.06%)
Incidence	Southern Sub-Saharan Africa	184.97	130.714 (70.67%)	286.545 (154.91%)	-232.292 (-125.58%)
Mortality	Global	-3485.35	6516.496 (-186.97%)	10815.207 (-310.3%)	-20817.056 (597.27%)

Mortality	Low SDI	1235.67	17.352 (1.4%)	1436.723 (116.27%)	-218.407 (-17.68%)
Mortality	Low-middle SDI	1921.12	383.259 (19.95%)	1712.451 (89.14%)	-174.591 (-9.09%)
Mortality	Middle SDI	-3571.75	4400.745 (-123.21%)	3954.419 (-110.71%)	-11926.919 (333.92%)
Mortality	High-middle SDI	-2480.55	3482.268 (-140.38%)	1113.478 (-44.89%)	-7076.297 (285.27%)
Mortality	High SDI	-591.15	539.508 (-91.26%)	275.896 (-46.67%)	-1406.55 (237.93%)
Mortality	High-income Asia Pacific	-290.63	108.525 (-37.34%)	-53.143 (18.29%)	-346.013 (119.06%)
Mortality	Central Asia	-102.33	92.609 (-90.5%)	103.383 (-101.03%)	-298.317 (291.52%)
Mortality	Southeast Asia	681.44	295.664 (43.39%)	402.018 (59%)	-16.243 (-2.38%)
Mortality	East Asia	-6971.25	8349.82 (-119.78%)	102.27 (-1.47%)	-15423.339 (221.24%)
Mortality	Central Europe	-119.7	110.182 (-92.05%)	-51.185 (42.76%)	-178.701 (149.29%)
Mortality	Eastern Europe	-169.55	252.897 (-149.16%)	-96.919 (57.16%)	-325.524 (191.99%)
Mortality	North Africa and Middle East	289.25	135.399 (46.81%)	301.32 (104.17%)	-147.47 (-50.98%)
Mortality	Australasia	22.18	5.344 (24.09%)	12.099 (54.55%)	4.739 (21.37%)
Mortality	Western Europe	-696.26	243.953 (-35.04%)	-30.997 (4.45%)	-909.215 (130.59%)
Mortality	Andean Latin America	12.36	6.902 (55.84%)	21.287 (172.22%)	-15.828 (-128.06%)
Mortality	Caribbean	53.77	22.617 (42.06%)	25.993 (48.34%)	5.163 (9.6%)
Mortality	High-income North America	28.2	80.496 (285.45%)	85.969 (304.85%)	-138.265 (-490.3%)
Mortality	Western Sub-Saharan Africa	606.32	-28.414 (-4.69%)	371.471 (61.27%)	263.26 (43.42%)
Mortality	South Asia	1613.87	312.058 (19.34%)	1655.012 (102.55%)	-353.205 (-21.89%)
Mortality	Oceania	7.45	1.367 (18.35%)	7.513 (100.85%)	-1.425 (-19.13%)
Mortality	Central Sub-Saharan Africa	204.18	38.498 (18.85%)	279.295 (136.79%)	-113.614 (-55.64%)
Mortality	Central Latin America	85.23	54.354 (63.77%)	96.281 (112.97%)	-65.405 (-76.74%)
Mortality	Southern Latin America	-55.84	18.157 (-32.52%)	49.298 (-88.28%)	-123.291 (220.79%)
Mortality	Tropical Latin America	342.28	279.454 (81.64%)	366.933 (107.2%)	-304.105 (-88.85%)
Mortality	Eastern Sub-Saharan Africa	807.64	54.542 (6.75%)	1001.306 (123.98%)	-248.207 (-30.73%)
Mortality	Southern Sub-Saharan Africa	166.02	119.327 (71.88%)	261.785 (157.68%)	-215.09 (-129.56%)
DALYs	Global	-179861.82	291049.943 (-161.82%)	509705.056 (-283.39%)	-980616.815 (545.21%)
DALYs	Low SDI	58675.61	796.607 (1.36%)	67808.626 (115.57%)	-9929.621 (-16.92%)
DALYs	Low-middle SDI	90724.56	17496.105 (19.28%)	81382.317 (89.7%)	-8153.863 (-8.99%)
DALYs	Middle SDI	-178364.4	198020.977 (-111.02%)	186886.971 (-104.78%)	-563272.345 (315.8%)
DALYs	High-middle SDI	-123916.36	154852.863 (-124.97%)	52147.716 (-42.08%)	-330916.937 (267.05%)
DALYs	High SDI	-27038.94	23790.259 (-87.99%)	12842.796 (-47.5%)	-63671.994 (235.48%)
DALYs	High-income Asia Pacific	-13248.71	4773.264 (-36.03%)	-2429.134 (18.33%)	-15592.841 (117.69%)
DALYs	Central Asia	-4938.77	4148.152 (-83.99%)	4947.234 (-100.17%)	-14034.154 (284.16%)

DALYs	Southeast Asia	31432.76	13256.922 (42.18%)	18974.539 (60.37%)	-798.701 (-2.54%)
DALYs	East Asia	-345338.47	371823.241 (-107.67%)	4806.125 (-1.39%)	-721967.84 (209.06%)
DALYs	Central Europe	-5697.75	4854.723 (-85.2%)	-2350.426 (41.25%)	-8202.049 (143.95%)
DALYs	Eastern Europe	-7559.73	11183.248 (-147.93%)	-4445.067 (58.8%)	-14297.915 (189.13%)
DALYs	North Africa and Middle East	13783.61	6203.274 (45%)	14477.206 (105.03%)	-6896.866 (-50.04%)
DALYs	Australasia	1018.65	233.921 (22.96%)	566.117 (55.58%)	218.615 (21.46%)
DALYs	Western Europe	-32005.46	10725.751 (-33.51%)	-1435.165 (4.48%)	-41296.048 (129.03%)
DALYs	Andean Latin America	590.71	315.338 (53.38%)	1041.313 (176.28%)	-765.942 (-129.66%)
DALYs	Caribbean	2409.23	1009.239 (41.89%)	1207.298 (50.11%)	192.69 (8%)
DALYs	High-income North America	1620.83	3420.877 (211.06%)	4052.3 (250.01%)	-5852.349 (-361.07%)
DALYs	Western Sub-Saharan Africa	28852.93	-1272.406 (-4.41%)	17534.041 (60.77%)	12591.298 (43.64%)
DALYs	South Asia	76211.38	14245.893 (18.69%)	78823.798 (103.43%)	-16858.313 (-22.12%)
DALYs	Oceania	361.26	62.752 (17.37%)	364.374 (100.86%)	-65.862 (-18.23%)
DALYs	Central Sub-Saharan Africa	9565.9	1733.54 (18.12%)	13073.483 (136.67%)	-5241.125 (-54.79%)
DALYs	Central Latin America	3955.74	2457.619 (62.13%)	4723.347 (119.4%)	-3225.223 (-81.53%)
DALYs	Southern Latin America	-2561.41	812.949 (-31.74%)	2308.118 (-90.11%)	-5682.481 (221.85%)
DALYs	Tropical Latin America	15795.57	12607.829 (79.82%)	17223.364 (109.04%)	-14035.621 (-88.86%)
DALYs	Eastern Sub-Saharan Africa	38320.89	2533.729 (6.61%)	47117.36 (122.95%)	-11330.202 (-29.57%)
DALYs	Southern Sub-Saharan Africa	7569.03	5538.055 (73.17%)	12382.831 (163.6%)	-10351.855 (-136.77%)
MOEC					
Incidence	Global	71391.07	1978.756 (2.77%)	137792.286 (193.01%)	-68379.974 (-95.78%)
Incidence	Low SDI	4154.73	-119.382 (-2.87%)	5538.586 (133.31%)	-1264.471 (-30.43%)
Incidence	Low-middle SDI	9181.1	75.545 (0.82%)	10138.405 (110.43%)	-1032.847 (-11.25%)
Incidence	Middle SDI	24549.93	977.893 (3.98%)	68433.01 (278.75%)	-44860.972 (-182.73%)
Incidence	High-middle SDI	23465.13	1212.233 (5.17%)	40251.298 (171.54%)	-17998.397 (-76.7%)
Incidence	High SDI	10003.58	630.167 (6.3%)	16517.684 (165.12%)	-7144.272 (-71.42%)
Incidence	High-income Asia Pacific	565.84	473.785 (83.73%)	2836.205 (501.24%)	-2744.15 (-484.97%)
Incidence	Central Asia	-890.92	105.681 (-11.86%)	1245.255 (-139.77%)	-2241.857 (251.63%)
Incidence	Southeast Asia	4463.87	32.671 (0.73%)	4398.331 (98.53%)	32.865 (0.74%)
Incidence	East Asia	40215.58	1058.01 (2.63%)	99451.494 (247.3%)	-60293.928 (-149.93%)
Incidence	Central Europe	629.84	57.322 (9.1%)	476.069 (75.59%)	96.451 (15.31%)
Incidence	Eastern Europe	-821.09	471.975 (-57.48%)	725.133 (-88.31%)	-2018.194 (245.79%)
Incidence	North Africa and Middle East	1295.87	-40.913 (-3.16%)	2013.377 (155.37%)	-676.596 (-52.21%)
Incidence	Australasia	271	1.786 (0.66%)	342.955 (126.55%)	-73.737 (-27.21%)
Incidence	Western Europe	1179.98	45.196 (3.83%)	4353.455 (368.94%)	-3218.673 (-272.77%)

Incidence	Andean America	Latin	98.99	3.22 (3.25%)	174.575 (176.36%)	-78.8 (-79.6%)
Incidence	Caribbean		512.45	-6.39 (-1.25%)	421.072 (82.17%)	97.767 (19.08%)
Incidence	High-income America	North	4652.19	70.284 (1.51%)	5236.207 (112.55%)	-654.303 (-14.06%)
Incidence	Western Saharan Africa	Sub-	2370.32	-40.485 (-1.71%)	1335.724 (56.35%)	1075.078 (45.36%)
Incidence	South Asia		8499.42	195.158 (2.3%)	9790.766 (115.19%)	-1486.503 (-17.49%)
Incidence	Oceania		31.63	-1.407 (-4.45%)	39.152 (123.78%)	-6.114 (-19.33%)
Incidence	Central Africa	Sub-Saharan	837.21	-50.289 (-6.01%)	1368.252 (163.43%)	-480.75 (-57.42%)
Incidence	Central America	Latin	648.3	17.412 (2.69%)	1001.105 (154.42%)	-370.217 (-57.11%)
Incidence	Southern America	Latin	-174.1	8.224 (-4.72%)	667.751 (-383.54%)	-850.074 (488.27%)
Incidence	Tropical America	Latin	3095.75	53.74 (1.74%)	4021.88 (129.92%)	-979.872 (-31.65%)
Incidence	Eastern Africa	Sub-Saharan	2494.7	-112.896 (-4.53%)	3821.418 (153.18%)	-1213.826 (-48.66%)
Incidence	Southern Saharan Africa	Sub-	1414.24	-1.719 (-0.12%)	1325.284 (93.71%)	90.677 (6.41%)
Mortality	Global		49957.4	2016.034 (4.04%)	128504.244 (257.23%)	-80562.873 (-161.26%)
Mortality	Low SDI		4117.47	-129.282 (-3.14%)	5558.558 (135%)	-1311.809 (-31.86%)
Mortality	Low-middle SDI		8981.84	87.084 (0.97%)	10105.069 (112.51%)	-1210.312 (-13.48%)
Mortality	Middle SDI		17289.65	1029.697 (5.96%)	65666.247 (379.8%)	-49406.293 (-285.76%)
Mortality	High-middle SDI		14337.72	1246.966 (8.7%)	37355.888 (260.54%)	-24265.138 (-169.24%)
Mortality	High SDI		5198.27	555.267 (10.68%)	13734.854 (264.22%)	-9091.851 (-174.9%)
Mortality	High-income Pacific	Asia	-822.4	323.778 (-39.37%)	1894.644 (-230.38%)	-3040.822 (369.75%)
Mortality	Central Asia		-889.64	114.068 (-12.82%)	1245.892 (-140.04%)	-2249.602 (252.87%)
Mortality	Southeast Asia		4079.8	35.081 (0.86%)	4254.134 (104.27%)	-209.417 (-5.13%)
Mortality	East Asia		24131.73	1166.089 (4.83%)	93595.142 (387.85%)	-70629.504 (-292.68%)
Mortality	Central Europe		572.05	65.161 (11.39%)	467.241 (81.68%)	39.644 (6.93%)
Mortality	Eastern Europe		-993.95	489.719 (-49.27%)	685.848 (-69%)	-2169.517 (218.27%)
Mortality	North Africa and Middle East		1207.05	-42.487 (-3.52%)	1987.23 (164.64%)	-737.694 (-61.12%)
Mortality	Australasia		198.63	1.639 (0.83%)	307.703 (154.91%)	-110.711 (-55.74%)
Mortality	Western Europe		-509.49	41.066 (-8.06%)	3774.933 (-740.92%)	-4325.492 (848.98%)
Mortality	Andean America	Latin	94.12	3.427 (3.64%)	174.487 (185.39%)	-83.795 (-89.03%)
Mortality	Caribbean		480	-7.143 (-1.49%)	409.677 (85.35%)	77.47 (16.14%)
Mortality	High-income America	North	3613.79	63.165 (1.75%)	4545.245 (125.78%)	-994.617 (-27.52%)
Mortality	Western Saharan Africa	Sub-	2358.55	-44.198 (-1.87%)	1337.494 (56.71%)	1065.258 (45.17%)
Mortality	South Asia		8328.36	219.237 (2.63%)	9771.216 (117.32%)	-1662.09 (-19.96%)
Mortality	Oceania		31.05	-1.512 (-4.87%)	39.01 (125.64%)	-6.45 (-20.77%)

Mortality	Central Sub-Saharan Africa	830.01	-55.283 (-6.66%)	1372.377 (165.34%)	-487.088 (-58.68%)
Mortality	Central America Latin	619.04	18.448 (2.98%)	993.244 (160.45%)	-392.655 (-63.43%)
Mortality	Southern America Latin	-206.7	8.742 (-4.23%)	654.831 (-316.8%)	-870.277 (421.03%)
Mortality	Tropical America Latin	2970.87	58.054 (1.95%)	3966.846 (133.52%)	-1054.032 (-35.48%)
Mortality	Eastern Sub-Saharan Africa	2469.43	-124.364 (-5.04%)	3834.369 (155.27%)	-1240.58 (-50.24%)
Mortality	Southern Sub-Saharan Africa	1395.13	-2.348 (-0.17%)	1315.852 (94.32%)	81.623 (5.85%)
DALYs	Global	1433868.2	31488.596 (2.2%)	3920414.062 (273.42%)	-2518034.46 (-175.61%)
DALYs	Low SDI	129923.53	-2556.013 (-1.97%)	172309.796 (132.62%)	-39830.25 (-30.66%)
DALYs	Low-middle SDI	277218.64	1101.148 (0.4%)	312404.843 (112.69%)	-36287.356 (-13.09%)
DALYs	Middle SDI	485626.06	16587.135 (3.42%)	2004563.405 (412.78%)	-1535524.479 (-316.19%)
DALYs	High-middle SDI	399769.82	19870.517 (4.97%)	1141352.741 (285.5%)	-761453.442 (-190.47%)
DALYs	High SDI	140367.85	10866.339 (7.74%)	411698.876 (293.3%)	-282197.364 (-201.04%)
DALYs	High-income Asia Pacific	-31082.35	6305.907 (-20.29%)	56740.402 (-182.55%)	-94128.662 (302.84%)
DALYs	Central Asia	-28963.18	2351.045 (-8.12%)	38284.022 (-132.18%)	-69598.251 (240.3%)
DALYs	Southeast Asia	126252.64	638.822 (0.51%)	131738.804 (104.35%)	-6124.987 (-4.85%)
DALYs	East Asia	667583.18	11350.889 (1.7%)	2852216.26 (427.25%)	-2195983.965 (-328.95%)
DALYs	Central Europe	14386.58	631.96 (4.39%)	14230.487 (98.92%)	-475.87 (-3.31%)
DALYs	Eastern Europe	-38936.91	8425.537 (-21.64%)	21155.599 (-54.33%)	-68518.045 (175.97%)
DALYs	North Africa and Middle East	36900.47	-956.909 (-2.59%)	60600.407 (164.23%)	-22743.025 (-61.63%)
DALYs	Australasia	5887.95	42.65 (0.72%)	9000.194 (152.86%)	-3154.895 (-53.58%)
DALYs	Western Europe	-21195.78	1048.8 (-4.95%)	113542.132 (-535.68%)	-135786.713 (640.63%)
DALYs	Andean Latin America	2788.32	71.922 (2.58%)	5179.894 (185.77%)	-2463.491 (-88.35%)
DALYs	Caribbean	15173.81	-88.422 (-0.58%)	12596.378 (83.01%)	2665.851 (17.57%)
DALYs	High-income North America	105306.43	1773.873 (1.68%)	134394.592 (127.62%)	-30862.035 (-29.31%)
DALYs	Western Sub-Saharan Africa	73933.34	-823.322 (-1.11%)	41512.197 (56.15%)	33244.469 (44.97%)
DALYs	South Asia	254159.64	3282.925 (1.29%)	301420.681 (118.6%)	-50543.969 (-19.89%)
DALYs	Oceania	959.71	-30.727 (-3.2%)	1190.233 (124.02%)	-199.794 (-20.82%)
DALYs	Central Sub-Saharan Africa	26473.17	-1006.142 (-3.8%)	42847.528 (161.85%)	-15368.219 (-58.05%)

DALYs	Central America	Latin	18767.41	387.121 (2.06%)	29977.059 (159.73%)	-11596.774 (-61.79%)
DALYs	Southern America	Latin	-6818.04	164.392 (-2.41%)	19596.934 (-287.43%)	-26579.363 (389.84%)
DALYs	Tropical America	Latin	91006.15	1064.569 (1.17%)	123164.86 (135.34%)	-33223.28 (-36.51%)
DALYs	Eastern Africa	Sub-Saharan Africa	77985.62	-2232.848 (-2.86%)	119010.957 (152.61%)	-38792.492 (-49.74%)
DALYs	Southern Africa	Sub-Saharan Africa	43300.05	19.37 (0.04%)	41353.605 (95.5%)	1927.072 (4.45%)
MOEC						
Incidence	Global		109037.5	322.113 (0.3%)	109501.591 (100.43%)	-786.208 (-0.72%)
Incidence	Low SDI		1849.51	-5.919 (-0.32%)	2389.428 (129.19%)	-534 (-28.87%)
Incidence	Low-middle SDI		5415.39	3.269 (0.06%)	5301.566 (97.9%)	110.553 (2.04%)
Incidence	Middle SDI		41570.8	106.445 (0.26%)	49086.281 (118.08%)	-7621.93 (-18.33%)
Incidence	High-middle SDI		34087.2	114.254 (0.34%)	33931.265 (99.54%)	41.678 (0.12%)
Incidence	High SDI		26084.93	223.57 (0.86%)	23022.617 (88.26%)	2838.741 (10.88%)
Incidence	High-income Asia Pacific	Asia	10125.98	30.483 (0.3%)	9674.309 (95.54%)	421.191 (4.16%)
Incidence	Central Asia		-292.83	-4.652 (1.59%)	491.789 (-167.94%)	-779.966 (266.35%)
Incidence	Southeast Asia		1872.59	-2.859 (-0.15%)	1728.262 (92.29%)	147.189 (7.86%)
Incidence	East Asia		69361.27	2106.222 (3.04%)	82746.821 (119.3%)	-15491.773 (-22.33%)
Incidence	Central Europe		702.5	-5.87 (-0.84%)	712.91 (101.48%)	-4.536 (-0.65%)
Incidence	Eastern Europe		362.16	-17.682 (-4.88%)	1080.913 (298.46%)	-701.074 (-193.58%)
Incidence	North Africa and Middle East		1306.01	23.734 (1.82%)	1239.199 (94.88%)	43.075 (3.3%)
Incidence	Australasia		591.38	16.646 (2.81%)	540.032 (91.32%)	34.705 (5.87%)
Incidence	Western Europe		7249.9	206.29 (2.85%)	7553.938 (104.19%)	-510.324 (-7.04%)
Incidence	Andean America	Latin	192.02	1.672 (0.87%)	234.76 (122.26%)	-44.409 (-23.13%)
Incidence	Caribbean		238.92	4.348 (1.82%)	283.988 (118.86%)	-49.415 (-20.68%)
Incidence	High-income North America	North	6198.87	28.36 (0.46%)	4912.545 (79.25%)	1257.964 (20.29%)
Incidence	Western Sub-Saharan Africa	Sub-Saharan Africa	1199.48	-0.157 (-0.01%)	628.293 (52.38%)	571.344 (47.63%)
Incidence	South Asia		5643.22	13.892 (0.25%)	5499.379 (97.45%)	129.951 (2.3%)
Incidence	Oceania		15.05	0.069 (0.46%)	16.517 (109.75%)	-1.539 (-10.23%)
Incidence	Central Sub-Saharan Africa		194.4	0.694 (0.36%)	274.167 (141.03%)	-80.465 (-41.39%)
Incidence	Central America	Latin	668.02	7.53 (1.13%)	995.196 (148.98%)	-334.704 (-50.1%)
Incidence	Southern America	Latin	245.95	17.144 (6.97%)	805.415 (327.47%)	-576.606 (-234.44%)
Incidence	Tropical America	Latin	1691.24	22.181 (1.31%)	2249.52 (133.01%)	-580.463 (-34.32%)
Incidence	Eastern Africa	Sub-Saharan Africa	979.45	-9.011 (-0.92%)	1283.634 (131.06%)	-295.172 (-30.14%)

Incidence	Southern Saharan Africa	Sub-	491.91	-10.65 (-2.17%)	461.354 (93.79%)	41.201 (8.38%)
Mortality	Global		105962.38	1458.213 (1.38%)	117496.411 (110.89%)	-12992.243 (-12.26%)
Mortality	Low SDI		2175.04	15.336 (0.71%)	2780.434 (127.83%)	-620.728 (-28.54%)
Mortality	Low-middle SDI		6305.24	27.018 (0.43%)	6202.452 (98.37%)	75.765 (1.2%)
Mortality	Middle SDI		43010.56	631.304 (1.47%)	54633.792 (127.02%)	-12254.537 (-28.49%)
Mortality	High-middle SDI		32985.83	517.372 (1.57%)	36911.87 (111.9%)	-4443.415 (-13.47%)
Mortality	High SDI		21454.41	669.525 (3.12%)	22070.463 (102.87%)	-1285.579 (-5.99%)
Mortality	High-income Asia Pacific		6621.16	257.894 (3.89%)	7577.736 (114.45%)	-1214.47 (-18.34%)
Mortality	Central Asia		-356.98	-15.491 (4.34%)	580.506 (-162.62%)	-921.995 (258.28%)
Mortality	Southeast Asia		2058.97	2.292 (0.11%)	1970.746 (95.72%)	85.93 (4.17%)
Mortality	East Asia		68765	3833.955 (5.58%)	90772.116 (132%)	-25841.069 (-37.58%)
Mortality	Central Europe		756.97	-2.749 (-0.36%)	822.351 (108.64%)	-62.631 (-8.27%)
Mortality	Eastern Europe		278.49	-13.443 (-4.83%)	1182.194 (424.5%)	-890.258 (-319.67%)
Mortality	North Africa and Middle East		1503.03	44.055 (2.93%)	1442.067 (95.94%)	16.909 (1.12%)
Mortality	Australasia		587.48	31.625 (5.38%)	566.813 (96.48%)	-10.957 (-1.87%)
Mortality	Western Europe		6426.09	431.306 (6.71%)	7941.425 (123.58%)	-1946.641 (-30.29%)
Mortality	Andean America	Latin	226.06	2.876 (1.27%)	280.316 (124%)	-57.13 (-25.27%)
Mortality	Caribbean		267.99	11.43 (4.27%)	331.111 (123.55%)	-74.551 (-27.82%)
Mortality	High-income North America		5885.89	93.928 (1.6%)	4928.133 (83.73%)	863.832 (14.68%)
Mortality	Western Saharan Africa	Sub-	1407.2	6.799 (0.48%)	734.485 (52.19%)	665.917 (47.32%)
Mortality	South Asia		6583.23	33.834 (0.51%)	6434.832 (97.75%)	114.56 (1.74%)
Mortality	Oceania		17.38	0.304 (1.75%)	19.014 (109.4%)	-1.934 (-11.13%)
Mortality	Central Sub-Saharan Africa		229.09	4.862 (2.12%)	318.108 (138.86%)	-93.879 (-40.98%)
Mortality	Central America	Latin	777.8	17.608 (2.26%)	1183.259 (152.13%)	-423.066 (-54.39%)
Mortality	Southern America	Latin	261.32	35.002 (13.39%)	938.029 (358.96%)	-711.706 (-272.35%)
Mortality	Tropical America	Latin	1954.87	61.752 (3.16%)	2631.894 (134.63%)	-738.777 (-37.79%)
Mortality	Eastern Sub-Saharan Africa		1146.5	9.366 (0.82%)	1490.098 (129.97%)	-352.967 (-30.79%)
Mortality	Southern Saharan Africa	Sub-	564.82	-18.696 (-3.31%)	544.042 (96.32%)	39.479 (6.99%)
DALYs	Global		1600741.84	-23290.032 (-1.45%)	1928617.776 (120.48%)	-304585.903 (-19.03%)
DALYs	Low SDI		35332.16	-907.902 (-2.57%)	47931.702 (135.66%)	-11691.64 (-33.09%)
DALYs	Low-middle SDI		102111.43	-557.794 (-0.55%)	102967.699 (100.84%)	-298.478 (-0.29%)
DALYs	Middle SDI		656421.66	-13181.82 (-2.01%)	916533.059 (139.63%)	-246929.584 (-37.62%)

DALYs	High-middle SDI	494001.23	-6778.255 (-1.37%)	605155.174 (122.5%)	-104375.689 (-21.13%)
DALYs	High SDI	312377.15	-3315.39 (-1.06%)	345841.385 (110.71%)	-30148.844 (-9.65%)
DALYs	High-income Asia Pacific	95744.53	-2056.204 (-2.15%)	119081.29 (124.37%)	-21280.555 (-22.23%)
DALYs	Central Asia	-5394.34	318.462 (-5.9%)	9387.5 (-174.02%)	-15100.303 (279.93%)
DALYs	Southeast Asia	33557.65	-112.267 (-0.33%)	32932.165 (98.14%)	737.754 (2.2%)
DALYs	East Asia	1034594.31	-6699.482 (-0.65%)	1518235.874 (146.75%)	-476942.078 (-46.1%)
DALYs	Central Europe	12906.5	-36.495 (-0.28%)	13306.471 (103.1%)	-363.48 (-2.82%)
DALYs	Eastern Europe	5719.31	-109.751 (-1.92%)	19842.32 (346.94%)	-14013.262 (-245.02%)
DALYs	North Africa and Middle East	22385.66	-60.393 (-0.27%)	23247.419 (103.85%)	-801.363 (-3.58%)
DALYs	Australasia	8298	-8.354 (-0.1%)	8829.741 (106.41%)	-523.383 (-6.31%)
DALYs	Western Europe	90387.18	-627.831 (-0.69%)	121576.487 (134.51%)	-30561.473 (-33.81%)
DALYs	Andean Latin America	3289.12	3.821 (0.12%)	4277.926 (130.06%)	-992.627 (-30.18%)
DALYs	Caribbean	4182.46	-41.607 (-0.99%)	5129.691 (122.65%)	-905.623 (-21.65%)
DALYs	High-income North America	88260.44	-643.421 (-0.73%)	78226.601 (88.63%)	10677.256 (12.1%)
DALYs	Western Sub-Saharan Africa	23213.14	-241.032 (-1.04%)	12393.15 (53.39%)	11061.02 (47.65%)
DALYs	South Asia	105647.92	-260.156 (-0.25%)	106618.473 (100.92%)	-710.394 (-0.67%)
DALYs	Oceania	289.66	-5.536 (-1.91%)	331.027 (114.28%)	-35.835 (-12.37%)
DALYs	Central Sub-Saharan Africa	3691.06	-129.668 (-3.51%)	5552.292 (150.43%)	-1731.56 (-46.91%)
DALYs	Central Latin America	11657.57	-18.596 (-0.16%)	18164.654 (155.82%)	-6488.49 (-55.66%)
DALYs	Southern Latin America	3267.19	-38.928 (-1.19%)	14634.09 (447.91%)	-11327.976 (-346.72%)
DALYs	Tropical Latin America	30551.74	-480.974 (-1.57%)	42482.361 (139.05%)	-11449.649 (-37.48%)
DALYs	Eastern Sub-Saharan Africa	18872.67	-886.13 (-4.7%)	25905.196 (137.26%)	-6146.393 (-32.57%)
DALYs	Southern Sub-Saharan Africa	9620.07	-30.667 (-0.32%)	8814.347 (91.62%)	836.389 (8.69%)

^a Change in incident, mortality, or DALYs number between year 2021 and 1990

^b Change in incident, mortality, or DALYs number due to change in the age structure

^c Change in incident, mortality, or DALYs due to change in population number

^d Change in incident, mortality, and DALYs due to epidemiologic changes. Epidemiologic changes refer to the incident, mortality, and DALYs number change when age structure and population hold constant.

Abbreviations: DALYs, disability-adjusted life-years; EOEC, early-onset esophageal cancer; MOEC, middle-onset esophageal cancer; LOEC, late-onset esophageal cancer.

Supplementary Table S15. Changes in Incidence, mortality and DALYs number of EOEC, MOEC and LOEC in female according to population-level determinants from 1990 to 2021.

Measure	Location	Overall difference	Change due to Population-level determinants		
			(% contribute to the total changes)		
		^a	Aging ^b	Population ^c	Epidemiological change ^d
EOEC					
Incidence	Global	678.17	2288.859 (337.51%)	3745.647 (552.32%)	-5356.333 (-789.82%)
Incidence	Low SDI	730.66	34.127 (4.67%)	1210.416 (165.66%)	-513.884 (-70.33%)
Incidence	Low-middle SDI	1026.09	378.197 (36.86%)	1482.776 (144.51%)	-834.882 (-81.37%)
Incidence	Middle SDI	-594.61	1452.727 (-244.32%)	1233.779 (-207.49%)	-3281.12 (551.81%)
Incidence	High-middle SDI	-601.66	682.164 (-113.38%)	162.333 (-26.98%)	-1446.155 (240.36%)
Incidence	High SDI	116.84	133.186 (113.99%)	52.458 (44.9%)	-68.806 (-58.89%)
Incidence	High-income Asia Pacific	22.34	38.238 (171.16%)	-26.173 (-117.16%)	10.28 (46.02%)
Incidence	Central Asia	-56.93	72.749 (-127.79%)	80.596 (-141.57%)	-210.278 (369.36%)
Incidence	Southeast Asia	98.52	160.316 (162.72%)	223.562 (226.92%)	-285.354 (-289.64%)
Incidence	East Asia	-1763.07	1909.579 (-108.31%)	-25.916 (1.47%)	-3646.73 (206.84%)
Incidence	Central Europe	-18.38	15.814 (-86.04%)	-10.115 (55.03%)	-24.083 (131.03%)
Incidence	Eastern Europe	7.31	34.475 (471.61%)	-16.443 (-224.94%)	-10.724 (-146.7%)
Incidence	North Africa and Middle East	203.4	127.846 (62.85%)	306.173 (150.53%)	-230.621 (-113.38%)
Incidence	Australasia	4.55	2.615 (57.47%)	4.755 (104.51%)	-2.818 (-61.93%)
Incidence	Western Europe	5.38	60.03 (1115.8%)	-7.443 (-138.35%)	-47.204 (-877.4%)
Incidence	Andean Latin America	5.06	4.733 (93.54%)	11.525 (227.77%)	-11.199 (-221.32%)
Incidence	Caribbean	5.46	7.675 (140.57%)	8.207 (150.31%)	-10.418 (-190.81%)
	High-income North	62.92	26.208 (41.65%)	29.169 (46.36%)	7.542 (11.99%)

Incidence	America				
Incidence	Western Sub-Saharan Africa	140.51	9.717 (6.92%)	139.129 (99.02%)	-8.338 (-5.93%)
Incidence	South Asia	1236.82	396.273 (32.04%)	1739.385 (140.63%)	-898.838 (-72.67%)
Incidence	Oceania	2.73	0.582 (21.32%)	3.313 (121.36%)	-1.163 (-42.6%)
Incidence	Central Sub-Saharan Africa	106.93	9.278 (8.68%)	166.554 (155.76%)	-68.904 (-64.44%)
Incidence	Central Latin America	12.72	29.696 (233.46%)	46.908 (368.77%)	-63.884 (-502.23%)
Incidence	Southern Latin America	-6.52	7.256 (-111.29%)	17.825 (-273.39%)	-31.598 (484.63%)
Incidence	Tropical Latin America	64.89	65.917 (101.58%)	82.118 (126.55%)	-83.146 (-128.13%)
Incidence	Eastern Sub-Saharan Africa	490.36	54.431 (11.1%)	772.906 (157.62%)	-336.978 (-68.72%)
Incidence	Southern Sub-Saharan Africa	53.17	66.578 (125.22%)	130.192 (244.86%)	-143.605 (-270.09%)
Mortality	Global	-247.24	1865.765 (-754.64%)	3071.605 (-1242.36%)	-5184.607 (2096.99%)
Mortality	Low SDI	652.08	31.016 (4.76%)	1109.193 (170.1%)	-488.134 (-74.86%)
Mortality	Low-middle SDI	863.33	340.531 (39.44%)	1340.577 (155.28%)	-817.776 (-94.72%)
Mortality	Middle SDI	-909.3	1159.388 (-127.5%)	985.562 (-108.39%)	-3054.251 (335.89%)
Mortality	High-middle SDI	-813.35	530.249 (-65.19%)	124.756 (-15.34%)	-1468.358 (180.53%)
Mortality	High SDI	-40.56	80.482 (-198.43%)	31.455 (-77.55%)	-152.496 (375.98%)
Mortality	High-income Asia Pacific	-12.94	18.687 (-144.41%)	-12.459 (96.28%)	-19.17 (148.15%)
Mortality	Central Asia	-55.06	66.386 (-120.57%)	73.461 (-133.42%)	-194.91 (354%)
Mortality	Southeast Asia	47.65	138.359 (290.37%)	194.093 (407.33%)	-284.805 (-597.7%)
Mortality	East Asia	-2114.58	1442.092 (-68.2%)	-19.11 (0.9%)	-3537.563 (167.29%)
Mortality	Central Europe	-19.57	13.892 (-70.99%)	-8.803 (44.98%)	-24.662 (126.02%)
Mortality	Eastern Europe	-3.21	28.395 (-884.58%)	-13.436 (418.57%)	-18.168 (565.98%)
Mortality	North Africa and Middle East	151.11	111.037 (73.48%)	267.586 (177.08%)	-227.509 (-150.56%)
Mortality	Australasia	1.12	1.658 (148.04%)	3 (267.86%)	-3.54 (-316.07%)
Mortality	Western Europe	-49.01	39.004 (-79.58%)	-4.776 (9.74%)	-83.235 (169.83%)
Mortality	Andean Latin America	3.2	4.148 (129.62%)	10.155 (317.34%)	-11.105 (-347.03%)
Mortality	Caribbean	4.35	6.646 (152.78%)	7.126 (163.82%)	-9.421 (-216.57%)
Mortality	High-income North America	13.13	14.661 (111.66%)	15.962 (121.57%)	-17.489 (-133.2%)

Mortality	Western Sub-Saharan Africa	126.62	8.828 (6.97%)	127.08 (100.36%)	-9.285 (-7.33%)
Mortality	South Asia	1033.5	356.552 (34.5%)	1570.648 (151.97%)	-893.7 (-86.47%)
Mortality	Oceania	2.4	0.519 (21.63%)	2.983 (124.29%)	-1.101 (-45.88%)
Mortality	Central Sub-Saharan Africa	96.14	8.471 (8.81%)	153.077 (159.22%)	-65.411 (-68.04%)
Mortality	Central Latin America	5.88	25.827 (439.23%)	40.863 (694.95%)	-60.805 (-1034.1%)
Mortality	Southern Latin America	-9.41	5.99 (-63.66%)	14.681 (-156.01%)	-30.085 (319.71%)
Mortality	Tropical Latin America	47.54	57.363 (120.66%)	71.455 (150.31%)	-81.28 (-170.97%)
Mortality	Eastern Sub-Saharan Africa	438.27	49.441 (11.28%)	707.791 (161.5%)	-318.964 (-72.78%)
Mortality	Southern Sub-Saharan Africa	45.64	59.068 (129.42%)	115.867 (253.87%)	-129.298 (-283.3%)
DALYs	Global	-14208.57	82821.152 (-582.9%)	148193.074 (-1042.98%)	-245222.791 (1725.88%)
DALYs	Low SDI	31862.24	1400 (4.39%)	54132.31 (169.89%)	-23670.065 (-74.29%)
DALYs	Low-middle SDI	41094.07	15468.988 (37.64%)	65398.161 (159.14%)	-39773.082 (-96.79%)
DALYs	Middle SDI	-45644.11	51910.112 (-113.73%)	47290.357 (-103.61%)	-144844.578 (317.33%)
DALYs	High-middle SDI	-39574.42	23468.277 (-59.3%)	5927.652 (-14.98%)	-68970.35 (174.28%)
DALYs	High SDI	-1972.3	3537.423 (-179.36%)	1491.707 (-75.63%)	-7001.426 (354.99%)
DALYs	High-income Asia Pacific	-648.93	826.889 (-127.42%)	-583.8 (89.96%)	-892.021 (137.46%)
DALYs	Central Asia	-2907.93	2975.408 (-102.32%)	3605.315 (-123.98%)	-9488.649 (326.3%)
DALYs	Southeast Asia	1697.78	6155.018 (362.53%)	9591.019 (564.92%)	-14048.26 (-827.45%)
DALYs	East Asia	-101831.12	63900.825 (-62.75%)	-902.865 (0.89%)	-164829.079 (161.87%)
DALYs	Central Europe	-969.68	609.848 (-62.89%)	-414.158 (42.71%)	-1165.374 (120.18%)
DALYs	Eastern Europe	-247.91	1247.914 (-503.37%)	-639.581 (257.99%)	-856.238 (345.38%)
DALYs	North Africa and Middle East	7105.13	5077.39 (71.46%)	13011.223 (183.12%)	-10983.487 (-154.59%)
DALYs	Australasia	45.68	73.095 (160.02%)	142.535 (312.03%)	-169.95 (-372.04%)
DALYs	Western Europe	-2355.17	1713.299 (-72.75%)	-225 (9.55%)	-3843.469 (163.19%)
DALYs	Andean Latin America	136.67	187.964 (137.53%)	500.052 (365.88%)	-551.348 (-403.42%)
DALYs	Caribbean	191.79	297.533 (155.13%)	343.598 (179.15%)	-449.34 (-234.29%)
DALYs	High-income North America	662.29	619.406 (93.52%)	763.282 (115.25%)	-720.403 (-108.77%)
DALYs	Western Sub-Saharan Africa	6103.25	395.677 (6.48%)	6151.55 (100.79%)	-443.974 (-7.27%)

DALYs	South Asia	48972.01	16100.683 (32.88%)	76357.3 (155.92%)	-43485.972 (-88.8%)
DALYs	Oceania	122.55	23.274 (18.99%)	152.853 (124.73%)	-53.581 (-43.72%)
DALYs	Central Sub-Saharan Africa	4651.47	383.628 (8.25%)	7433.982 (159.82%)	-3166.138 (-68.07%)
DALYs	Central Latin America	191.18	1158.109 (605.77%)	2021.907 (1057.59%)	-2988.838 (-1563.36%)
DALYs	Southern Latin America	-460.7	270.576 (-58.73%)	702.342 (-152.45%)	-1433.614 (311.18%)
DALYs	Tropical Latin America	2100.19	2576.845 (122.7%)	3412.119 (162.47%)	-3888.774 (-185.16%)
DALYs	Eastern Sub-Saharan Africa	21406.1	2280.16 (10.65%)	34672.56 (161.98%)	-15546.625 (-72.63%)
DALYs	Southern Sub-Saharan Africa	1826.8	2763.583 (151.28%)	5668.147 (310.28%)	-6604.931 (-361.56%)
MOEC					
Incidence	Global	8148.62	-29.133 (-0.36%)	46353.776 (568.85%)	-38176.027 (-468.5%)
Incidence	Low SDI	2526.98	-33.82 (-1.34%)	4417.943 (174.83%)	-1857.14 (-73.49%)
Incidence	Low-middle SDI	4794.21	81.785 (1.71%)	7051.131 (147.08%)	-2338.703 (-48.78%)
Incidence	Middle SDI	-404.89	125.043 (-30.88%)	27386.282 (-6763.88%)	-27916.219 (6894.77%)
Incidence	High-middle SDI	-667.94	119.864 (-17.95%)	9204.204 (-1378%)	-9992.008 (1495.94%)
Incidence	High SDI	1892.93	16.327 (0.86%)	3043.563 (160.79%)	-1166.956 (-61.65%)
Incidence	High-income Asia Pacific	225.67	33.03 (14.64%)	318.254 (141.03%)	-125.61 (-55.66%)
Incidence	Central Asia	-518.88	13.777 (-2.66%)	715.112 (-137.82%)	-1247.772 (240.47%)
Incidence	Southeast Asia	831.47	29.443 (3.54%)	1853.375 (222.9%)	-1051.346 (-126.44%)
Incidence	East Asia	-4222.48	-46.683 (1.11%)	33281.79 (-788.2%)	-37457.587 (887.1%)
Incidence	Central Europe	39.56	14.748 (37.28%)	53.746 (135.86%)	-28.932 (-73.13%)
Incidence	Eastern Europe	-382.42	68.412 (-17.89%)	57.49 (-15.03%)	-508.319 (132.92%)
Incidence	North Africa and Middle East	515.71	-7.601 (-1.47%)	1395.078 (270.52%)	-871.77 (-169.04%)

Incidence	Australasia	26.76	-3.055 (-11.42%)	111.684 (417.35%)	-81.87 (-305.94%)
Incidence	Western Europe	754.52	-66.302 (-8.79%)	797.231 (105.66%)	23.591 (3.13%)
Incidence	Andean Latin America	37.37	0.99 (2.65%)	73.773 (197.41%)	-37.39 (-100.05%)
Incidence	Caribbean	67.35	-1.446 (-2.15%)	123.722 (183.7%)	-54.929 (-81.56%)
Incidence	High-income North America	802.96	-3.68 (-0.46%)	1280.21 (159.44%)	-473.571 (-58.98%)
Incidence	Western Sub-Saharan Africa	822.43	-47.562 (-5.78%)	775.265 (94.27%)	94.732 (11.52%)
Incidence	South Asia	5280.78	111.846 (2.12%)	7749.437 (146.75%)	-2580.502 (-48.87%)
Incidence	Oceania	8.37	-0.411 (-4.91%)	13.608 (162.58%)	-4.83 (-57.71%)
Incidence	Central Sub-Saharan Africa	479.47	-11.463 (-2.39%)	709.895 (148.06%)	-218.964 (-45.67%)
Incidence	Central Latin America	124.18	8.674 (6.99%)	432.86 (348.57%)	-317.349 (-255.56%)
Incidence	Southern Latin America	2.8	0.784 (28%)	197.724 (7061.57%)	-195.705 (-6989.46%)
Incidence	Tropical Latin America	686.61	20.489 (2.98%)	1035.499 (150.81%)	-369.381 (-53.8%)
Incidence	Eastern Sub-Saharan Africa	1896.89	-24.411 (-1.29%)	3119.986 (164.48%)	-1198.685 (-63.19%)
Incidence	Southern Sub-Saharan Africa	669.48	6.87 (1.03%)	655.791 (97.96%)	6.823 (1.02%)
Mortality	Global	1045.2	-27.518 (-2.63%)	42650.715 (4080.63%)	-41578.001 (-3977.99%)
Mortality	Low SDI	2490.94	-35.712 (-1.43%)	4412.242 (177.13%)	-1885.593 (-75.7%)
Mortality	Low-middle SDI	4617.49	91.581 (1.98%)	6970.769 (150.96%)	-2444.862 (-52.95%)
Mortality	Middle SDI	-3661.41	127.486 (-3.48%)	25433.486 (-694.64%)	-29222.385 (798.12%)
Mortality	High-middle SDI	-3092.95	117.299 (-3.79%)	8357.126 (-270.2%)	-11567.374 (373.99%)
Mortality	High SDI	685.04	12.873 (1.88%)	2351.118 (343.21%)	-1678.953 (-245.09%)
Mortality	High-income Asia Pacific	10.59	21.565 (203.64%)	192.191 (1814.83%)	-203.169 (-1918.5%)
Mortality	Central Asia	-529.09	14.768 (-2.79%)	717.519 (-135.61%)	-1261.375 (238.4%)
Mortality	Southeast Asia	701.92	31.07 (4.43%)	1790.141 (255.03%)	-1119.291 (-159.46%)
Mortality	East Asia	-9563.82	-18.833 (0.2%)	30382.247 (-317.68%)	-39927.237 (417.48%)
Mortality	Central Europe	23.67	15.755 (66.56%)	52.37 (221.25%)	-44.456 (-187.82%)
Mortality	Eastern Europe	-414.84	71.671 (-17.28%)	55.457 (-13.37%)	-541.967 (130.64%)

Mortality	North Africa and Middle East	441.96	-7.842 (-1.77%)	1359.263 (307.55%)	-909.458 (-205.78%)
Mortality	Australasia	8.91	-2.5 (-28.06%)	87.509 (982.14%)	-76.099 (-854.09%)
Mortality	Western Europe	222.53	-59.056 (-26.54%)	646.782 (290.65%)	-365.193 (-164.11%)
Mortality	Andean Latin America	33.86	1.061 (3.13%)	72.354 (213.69%)	-39.559 (-116.83%)
Mortality	Caribbean	60.71	-1.554 (-2.56%)	119.381 (196.64%)	-57.117 (-94.08%)
Mortality	High-income North America	422.34	-4.385 (-1.04%)	948.077 (224.48%)	-521.353 (-123.44%)
Mortality	Western Sub-Saharan Africa	816.07	-51.34 (-6.29%)	776.135 (95.11%)	91.278 (11.19%)
Mortality	South Asia	5068.5	129.354 (2.55%)	7643.691 (150.81%)	-2704.541 (-53.36%)
Mortality	Oceania	8.02	-0.452 (-5.64%)	13.332 (166.23%)	-4.861 (-60.61%)
Mortality	Central Sub-Saharan Africa	472.87	-12.44 (-2.63%)	709.745 (150.09%)	-224.433 (-47.46%)
Mortality	Central Latin America	109.17	9.074 (8.31%)	423.151 (387.61%)	-323.054 (-295.92%)
Mortality	Southern Latin America	-15.68	0.828 (-5.28%)	188.065 (-1199.39%)	-204.569 (1304.65%)
Mortality	Tropical Latin America	636.35	21.752 (3.42%)	1007.137 (158.27%)	-392.534 (-61.69%)
Mortality	Eastern Sub-Saharan Africa	1875.33	-25.806 (-1.38%)	3117.978 (166.26%)	-1216.844 (-64.89%)
Mortality	Southern Sub-Saharan Africa	655.81	7.372 (1.12%)	645.917 (98.49%)	2.521 (0.38%)
DALYs	Global	21599.64	-1289.719 (-5.97%)	1276408.21 (5909.4%)	-1253518.851 (-5803.42%)
DALYs	Low SDI	76356.83	-807.584 (-1.06%)	136258.032 (178.45%)	-59093.62 (-77.39%)
DALYs	Low-middle SDI	141094.79	1304.806 (0.92%)	216397.361 (153.37%)	-76607.376 (-54.29%)
DALYs	Middle SDI	- 116794.57	1808.108 (-1.55%)	757374.407 (-648.47%)	-875977.09 (750.02%)
DALYs	High-middle SDI	-99908.09	2015.333 (-2.02%)	245614.702 (-245.84%)	-347538.127 (347.86%)
DALYs	High SDI	20667.44	424.302 (2.05%)	69059.12 (334.14%)	-48815.977 (-236.2%)
DALYs	High-income Asia Pacific	162.67	390.848 (240.27%)	5760.08 (3540.96%)	-5988.26 (-3681.23%)
DALYs	Central Asia	-15835.24	324.307 (-2.05%)	21593.255 (-136.36%)	-37752.807 (238.41%)
DALYs	Southeast Asia	20832.21	568.308 (2.73%)	55018.039 (264.1%)	-34754.141 (-166.83%)
DALYs	East Asia	- 302940.91	-3758.936 (1.24%)	894055.323 (-295.13%)	-1193237.297 (393.88%)
DALYs	Central Europe	414.31	259.261 (62.58%)	1541.194 (371.99%)	-1386.145 (-334.57%)
DALYs	Eastern Europe	-12011.57	1490.25 (-12.41%)	1627.039 (-13.55%)	-15128.861 (125.95%)
DALYs	North Africa and	13606.03	-167.317 (-1.23%)	41785.333 (307.11%)	-28011.987 (-205.88%)

	Middle East				
DALYs	Australasia	333.14	-49.091 (-14.74%)	2526.874 (758.5%)	-2144.639 (-643.77%)
DALYs	Western Europe	7130.68	-1099.19 (-15.41%)	19000.902 (266.47%)	-10771.031 (-151.05%)
DALYs	Andean Latin America	1018.5	19.624 (1.93%)	2206.575 (216.65%)	-1207.7 (-118.58%)
DALYs	Caribbean	1894.52	-24.495 (-1.29%)	3616.089 (190.87%)	-1697.078 (-89.58%)
DALYs	High-income North America	12990.86	50.205 (0.39%)	27875.348 (214.58%)	-14934.692 (-114.96%)
DALYs	Western Sub-Saharan Africa	24922.43	-1022.334 (-4.1%)	23475.093 (94.19%)	2469.675 (9.91%)
DALYs	South Asia	155093.21	1324.446 (0.85%)	239206.41 (154.23%)	-85437.645 (-55.09%)
DALYs	Oceania	260.28	-7.365 (-2.83%)	424.888 (163.24%)	-157.244 (-60.41%)
DALYs	Central Sub-Saharan Africa	14649.05	-240.065 (-1.64%)	21956.743 (149.89%)	-7067.629 (-48.25%)
DALYs	Central Latin America	3227.45	189.504 (5.87%)	12757.839 (395.29%)	-9719.895 (-301.16%)
DALYs	Southern Latin America	-471.06	13.447 (-2.85%)	5552.893 (-1178.81%)	-6037.395 (1281.66%)
DALYs	Tropical Latin America	19428.45	414.895 (2.14%)	30810.704 (158.59%)	-11797.148 (-60.72%)
DALYs	Eastern Sub-Saharan Africa	56911.95	-578.003 (-1.02%)	95835.949 (168.39%)	-38345.995 (-67.38%)
DALYs	Southern Sub-Saharan Africa	19982.68	142.392 (0.71%)	19945.709 (99.81%)	-105.417 (-0.53%)
MOEC					
Incidence	Global	32359.24	344.109 (1.06%)	50772.341 (156.9%)	-18757.209 (-57.97%)
Incidence	Low SDI	2043.87	23.282 (1.14%)	2438.838 (119.32%)	-418.253 (-20.46%)
Incidence	Low-middle SDI	4203.39	35.84 (0.85%)	5213.923 (124.04%)	-1046.376 (-24.89%)
Incidence	Middle SDI	11188.52	120.459 (1.08%)	26309.087 (235.14%)	-15241.03 (-136.22%)
Incidence	High-middle SDI	8934.24	67.47 (0.76%)	13624.522 (152.5%)	-4757.748 (-53.25%)
Incidence	High SDI	5978.56	415.601 (6.95%)	7240.081 (121.1%)	-1677.127 (-28.05%)
Incidence	High-income Asia Pacific	1602.19	337.252 (21.05%)	2399.955 (149.79%)	-1135.015 (-70.84%)
Incidence	Central Asia	-508.53	-7.76 (1.53%)	264.071 (-51.93%)	-764.845 (150.4%)

Incidence	Southeast Asia	1069.02	8.029 (0.75%)	1378.025 (128.91%)	-317.036 (-29.66%)
Incidence	East Asia	17690.65	814.542 (4.6%)	39240.197 (221.81%)	-22364.093 (-126.42%)
Incidence	Central Europe	207.33	10.081 (4.86%)	360.708 (173.98%)	-163.457 (-78.84%)
Incidence	Eastern Europe	-711.52	-4.72 (0.66%)	375.424 (-52.76%)	-1082.227 (152.1%)
Incidence	North Africa and Middle East	707.53	9.04 (1.28%)	996.674 (140.87%)	-298.181 (-42.14%)
Incidence	Australasia	218.94	16.51 (7.54%)	277.722 (126.85%)	-75.29 (-34.39%)
Incidence	Western Europe	2229.39	318.557 (14.29%)	2655.053 (119.09%)	-744.223 (-33.38%)
Incidence	Andean Latin America	67.23	1.329 (1.98%)	104.164 (154.94%)	-38.265 (-56.92%)
Incidence	Caribbean	62.75	7.241 (11.54%)	144.284 (229.93%)	-88.778 (-141.48%)
Incidence	High-income North America	1363.22	0.524 (0.04%)	1437.481 (105.45%)	-74.787 (-5.49%)
Incidence	Western Sub- Saharan Africa	640.65	1.81 (0.28%)	405.689 (63.32%)	233.155 (36.39%)
Incidence	South Asia	4372.87	36.56 (0.84%)	5475.967 (125.23%)	-1139.653 (-26.06%)
Incidence	Oceania	5.09	0.524 (10.29%)	6.051 (118.88%)	-1.488 (-29.23%)
Incidence	Central Sub- Saharan Africa	293.04	9.566 (3.26%)	328.835 (112.22%)	-45.363 (-15.48%)
Incidence	Central Latin America	217.42	21.548 (9.91%)	638.291 (293.58%)	-442.418 (-203.49%)
Incidence	Southern Latin America	142.39	44.15 (31.01%)	512.823 (360.15%)	-414.58 (-291.16%)
Incidence	Tropical Latin America	728.87	48.551 (6.66%)	1165.243 (159.87%)	-484.925 (-66.53%)
Incidence	Eastern Sub- Saharan Africa	1464.1	25.223 (1.72%)	1656.485 (113.14%)	-217.606 (-14.86%)
Incidence	Southern Sub- Saharan Africa	496.62	-4.019 (-0.81%)	423.84 (85.34%)	76.798 (15.46%)
Mortality	Global	29106.09	1096.928 (3.77%)	55069.947 (189.2%)	-27060.781 (-92.97%)
Mortality	Low SDI	2424.72	50.188 (2.07%)	2860.743 (117.98%)	-486.21 (-20.05%)
Mortality	Low-middle SDI	4894.13	87.956 (1.8%)	6106.183 (124.77%)	-1300.005 (-26.56%)

Mortality	Middle SDI	9907.79	551.722 (5.57%)	29135.485 (294.07%)	-19779.413 (-199.63%)
Mortality	High-middle SDI	7162.15	408.748 (5.71%)	14852.476 (207.37%)	-8099.073 (-113.08%)
Mortality	High SDI	4705.96	691.212 (14.69%)	7095.107 (150.77%)	-3080.36 (-65.46%)
Mortality	High-income Asia Pacific	1104.76	400.174 (36.22%)	1933.343 (175%)	-1228.758 (-111.22%)
Mortality	Central Asia	-611.13	-8.828 (1.44%)	314.04 (-51.39%)	-916.341 (149.94%)
Mortality	Southeast Asia	1151.59	18.619 (1.62%)	1574.681 (136.74%)	-441.708 (-38.36%)
Mortality	East Asia	14361.39	1844.142 (12.84%)	42835.02 (298.27%)	-30317.776 (-211.11%)
Mortality	Central Europe	231.43	24.548 (10.61%)	427.829 (184.86%)	-220.949 (-95.47%)
Mortality	Eastern Europe	-861.58	19.231 (-2.23%)	435.321 (-50.53%)	-1316.137 (152.76%)
Mortality	North Africa and Middle East	787.25	14.3 (1.82%)	1158.413 (147.15%)	-385.46 (-48.96%)
Mortality	Australasia	210.6	27.053 (12.85%)	275.706 (130.91%)	-92.159 (-43.76%)
Mortality	Western Europe	1715.6	526.251 (30.67%)	2805.039 (163.5%)	-1615.689 (-94.18%)
Mortality	Andean Latin America	78.21	2.508 (3.21%)	125.496 (160.46%)	-49.793 (-63.67%)
Mortality	Caribbean	72.78	13.655 (18.76%)	169.284 (232.6%)	-110.157 (-151.36%)
Mortality	High-income North America	1069.86	27.997 (2.62%)	1327.057 (124.04%)	-285.197 (-26.66%)
Mortality	Western Sub-Saharan Africa	757.31	3.938 (0.52%)	478.91 (63.24%)	274.466 (36.24%)
Mortality	South Asia	5087.66	94.089 (1.85%)	6399.367 (125.78%)	-1405.793 (-27.63%)
Mortality	Oceania	6.18	0.811 (13.12%)	7.204 (116.57%)	-1.832 (-29.64%)
Mortality	Central Sub-Saharan Africa	349.58	19.164 (5.48%)	384.342 (109.94%)	-53.93 (-15.43%)
Mortality	Central Latin America	251.76	37.462 (14.88%)	766.116 (304.3%)	-551.815 (-219.18%)
Mortality	Southern Latin America	153.14	70.541 (46.06%)	606.204 (395.85%)	-523.606 (-341.91%)
Mortality	Tropical Latin America	863.78	85.849 (9.94%)	1383.517 (160.17%)	-605.587 (-70.11%)
Mortality	Eastern Sub-Saharan Africa	1740.45	54.289 (3.12%)	1945.402 (111.78%)	-259.239 (-14.89%)
Mortality	Southern Sub-Saharan Africa	585.47	-7.754 (-1.32%)	505.692 (86.37%)	87.533 (14.95%)
DALYs	Global	383559.35	-10373.315 (-2.7%)	858523.896 (223.83%)	-464591.228 (-121.13%)
DALYs	Low SDI	37833.03	-309.435 (-0.82%)	47396.689 (125.28%)	-9254.223 (-24.46%)
DALYs	Low-middle SDI	76278.7	-652.354 (-0.86%)	98835.059 (129.57%)	-21904.004 (-28.72%)
DALYs	Middle SDI	126835.02	-7839.14 (-6.18%)	472214.375 (372.31%)	-337540.219 (-266.13%)
DALYs	High-middle SDI	87238.99	-4193.415 (-4.81%)	229366.664 (262.92%)	-137934.259 (-158.11%)
DALYs	High SDI	55221.29	2213.948 (4.01%)	99084.519 (179.43%)	-46077.178 (-83.44%)

DALYs	High-income Asia Pacific	11958.33	2213.616 (18.51%)	26311.372 (220.03%)	-16566.662 (-138.54%)
DALYs	Central Asia	-9526.57	-50.511 (0.53%)	4944.741 (-51.9%)	-14420.798 (151.37%)
DALYs	Southeast Asia	17146.54	-90.604 (-0.53%)	24972.055 (145.64%)	-7734.91 (-45.11%)
DALYs	East Asia	175488.15	-7372.337 (-4.2%)	688858.939 (392.54%)	-505998.449 (-288.34%)
DALYs	Central Europe	2974.2	-24.739 (-0.83%)	6180.286 (207.8%)	-3181.351 (-106.96%)
DALYs	Eastern Europe	-13768.85	-532.211 (3.87%)	6507.19 (-47.26%)	-19743.831 (143.39%)
DALYs	North Africa and Middle East	11504.05	22.81 (0.2%)	18159.659 (157.85%)	-6678.417 (-58.05%)
DALYs	Australasia	2385.24	135.258 (5.67%)	3807.674 (159.63%)	-1557.694 (-65.31%)
DALYs	Western Europe	18985.13	2213.031 (11.66%)	38025.125 (200.29%)	-21253.023 (-111.95%)
DALYs	Andean Latin America	1106.8	6.8 (0.61%)	1817.618 (164.22%)	-717.613 (-64.84%)
DALYs	Caribbean	943.44	33.063 (3.5%)	2492.543 (264.2%)	-1582.165 (-167.7%)
DALYs	High-income North America	14005.83	31.179 (0.22%)	19179.043 (136.94%)	-5204.396 (-37.16%)
DALYs	Western Sub-Saharan Africa	11994.01	-16.273 (-0.14%)	7733.745 (64.48%)	4276.543 (35.66%)
DALYs	South Asia	79940.03	-807.461 (-1.01%)	104665.304 (130.93%)	-23917.813 (-29.92%)
DALYs	Oceania	87.27	4.959 (5.68%)	111.885 (128.21%)	-29.57 (-33.88%)
DALYs	Central Sub-Saharan Africa	5392.45	-91.085 (-1.69%)	6482.419 (120.21%)	-998.886 (-18.52%)
DALYs	Central Latin America	3405.08	162.603 (4.78%)	11078.328 (325.35%)	-7835.853 (-230.12%)
DALYs	Southern Latin America	1501.55	361.861 (24.1%)	8553.027 (569.61%)	-7413.337 (-493.71%)
DALYs	Tropical Latin America	11938.5	228.247 (1.91%)	20698.188 (173.37%)	-8987.937 (-75.29%)
DALYs	Eastern Sub-Saharan Africa	27074.53	-304.631 (-1.13%)	32105.658 (118.58%)	-4726.498 (-17.46%)
DALYs	Southern Sub-Saharan Africa	9023.64	-21.276 (-0.24%)	7699.497 (85.33%)	1345.416 (14.91%)

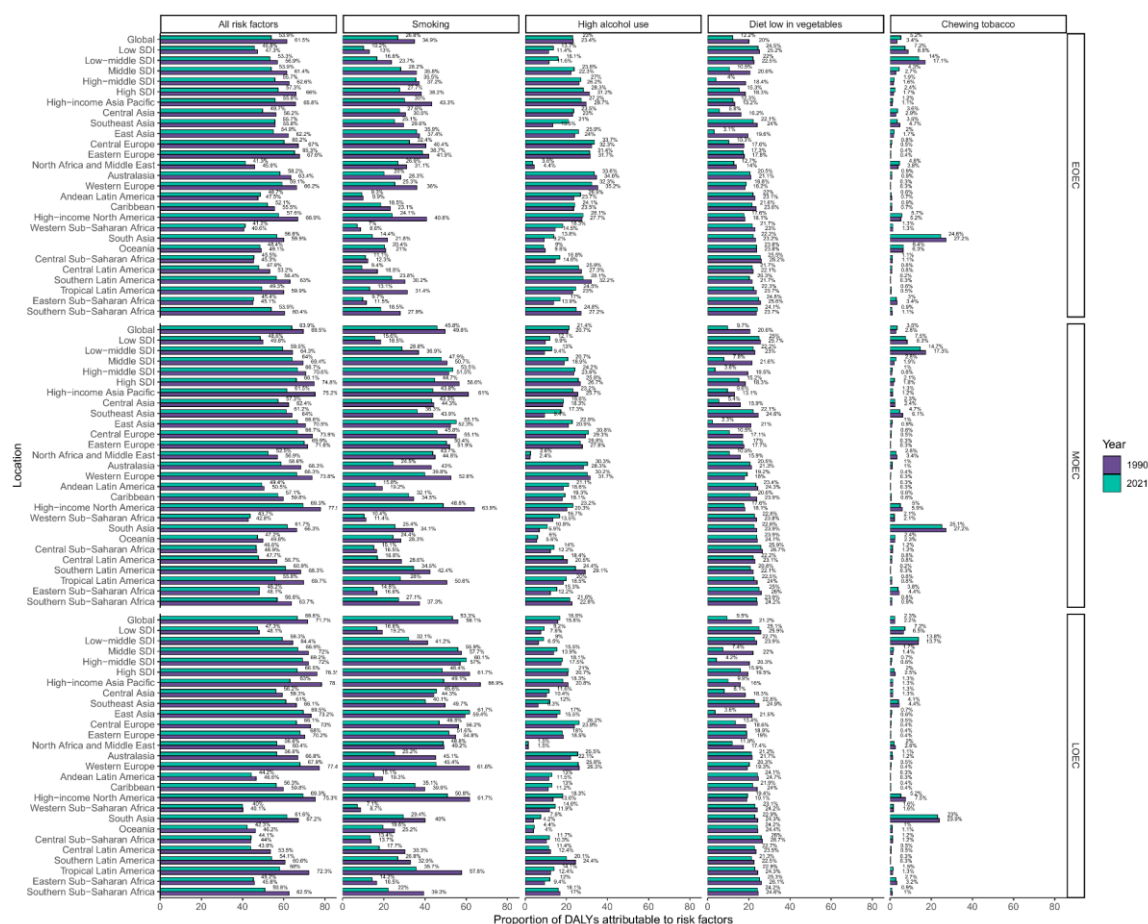
a Change in incident, mortality, or DALYs number between year 2021 and 1990

b Change in incident, mortality, or DALYs number due to change in the age structure

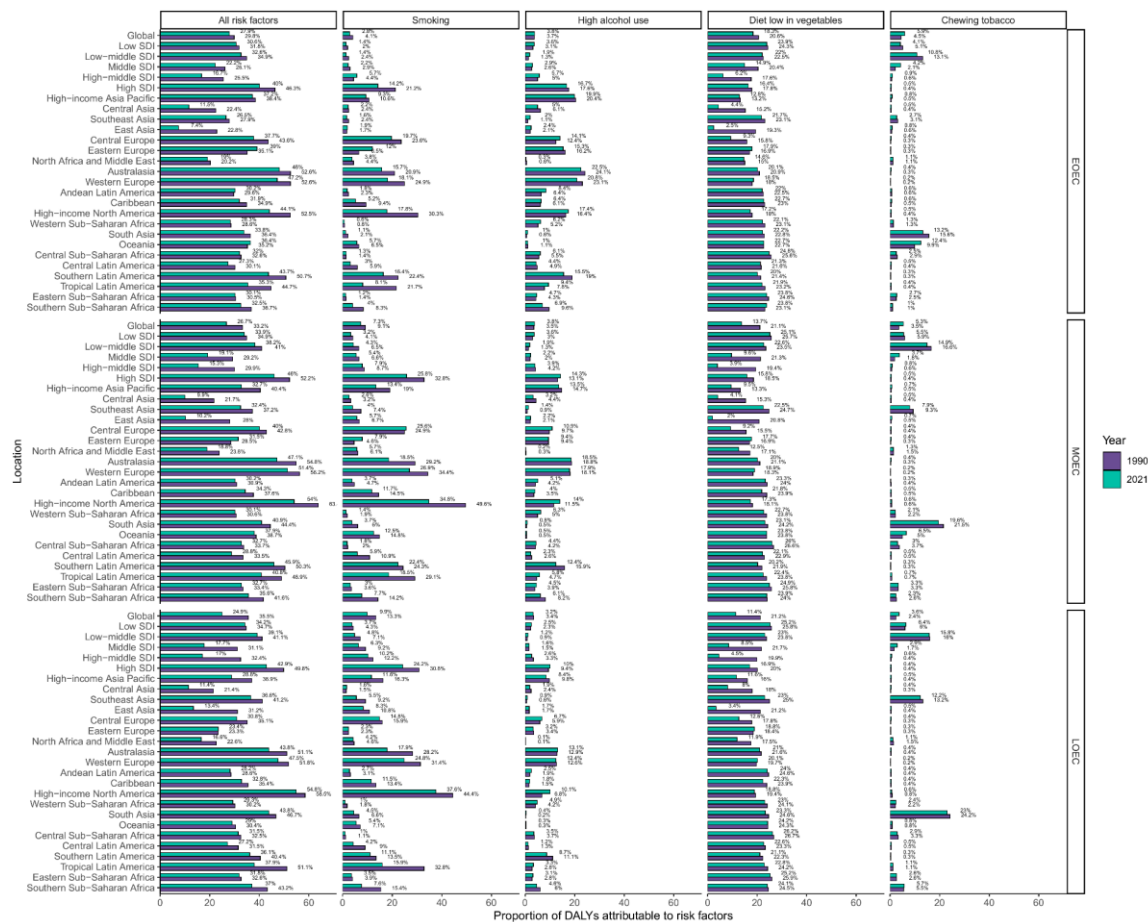
c Change in incident, mortality, or DALYs due to change in population number

d Change in incident, mortality, and DALYs due to epidemiologic changes. Epidemiologic changes refer to the incident, mortality, and DALYs number change when age structure and population hold constant.

Abbreviations: DALYs, disability-adjusted life-years; EOEC, early-onset esophageal cancer; MOEC, middle-onset esophageal cancer; LOEC, late-onset esophageal cancer.



Supplementary Figure S22. Percentage contributions of major risk factors to DALYs of EOEC, MOEC and LOEC in male at the global, SDI quintile, and regional levels in 1990 and 2021. DALYs, disability-adjusted life-years; EOEC, early-onset esophageal cancer; MOEC, middle-onset esophageal cancer; LOEC, late-onset esophageal cancer; SDI: Socio-demographic index.



Supplementary Figure S23. Percentage contributions of major risk factors to DALYs of EOEC, MOEC and LOEC in female at the global, SDI quintile, and regional levels in 1990 and 2021. DALYs, disability-adjusted life-years; EOEC, early-onset esophageal cancer; MOEC, middle-onset esophageal cancer; LOEC, late-onset esophageal cancer; SDI: Socio-demographic index.

Supplementary Table S16. BAPC model predicted trends of ASIR, ASMR and ASDR for EOEC, MOEC and LOEC from 2022 to 2035.

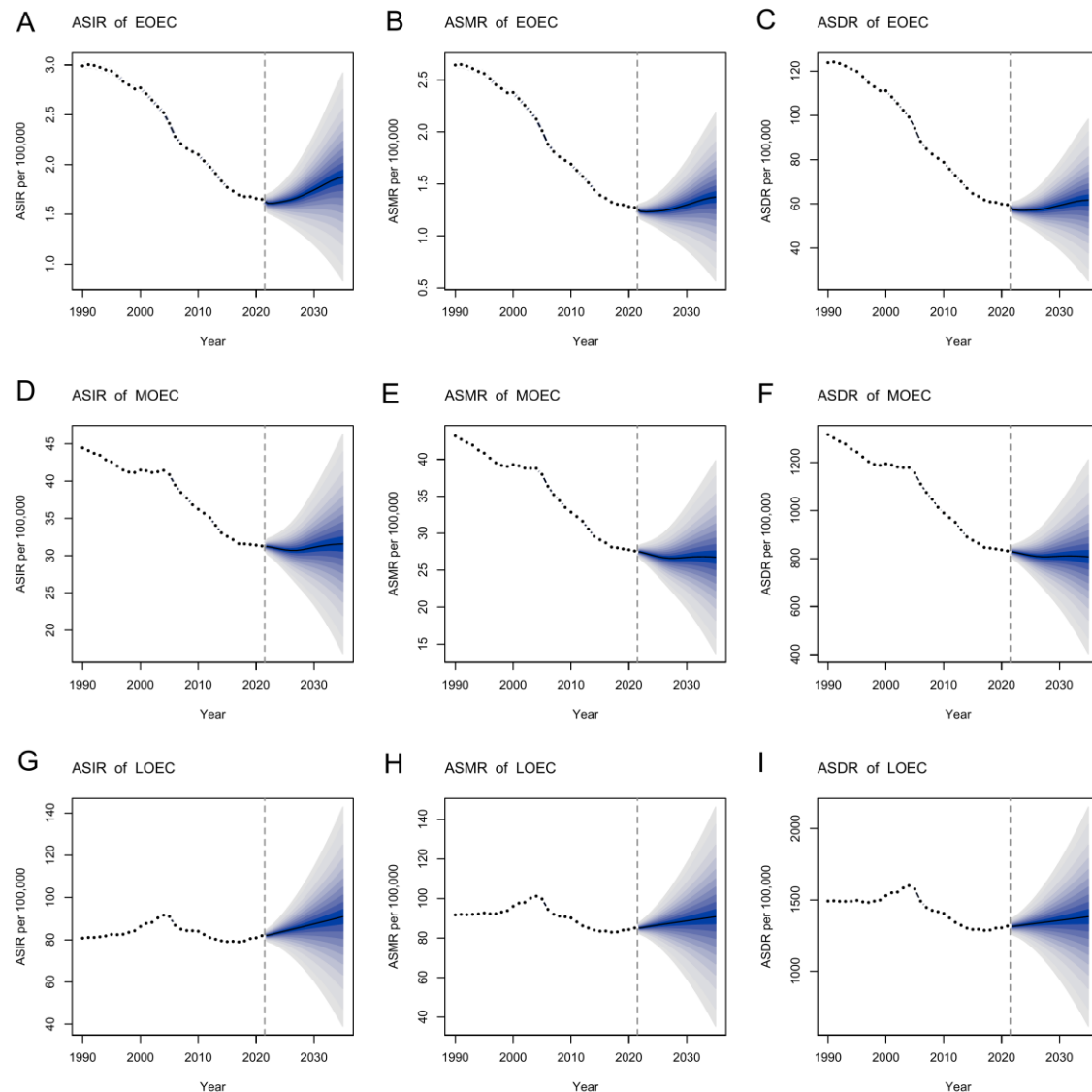
Group	Gender	Year	Predicted ASIR (SD)	Predicted ASMR (SD)	Predicted ASDR (SD)
EOEC	Both	2022	1.07 (0.08)	0.83 (0.07)	38.15 (1.06)
EOEC	Both	2023	1.08 (0.1)	0.83 (0.08)	38.02 (1.39)
EOEC	Both	2024	1.08 (0.11)	0.83 (0.09)	38.02 (1.85)
EOEC	Both	2025	1.09 (0.12)	0.83 (0.1)	38.04 (2.39)
EOEC	Both	2026	1.09 (0.14)	0.83 (0.11)	38.08 (3.01)
EOEC	Both	2027	1.1 (0.15)	0.83 (0.12)	38.21 (3.71)
EOEC	Both	2028	1.11 (0.17)	0.84 (0.13)	38.42 (4.47)
EOEC	Both	2029	1.13 (0.18)	0.84 (0.14)	38.68 (5.3)
EOEC	Both	2030	1.14 (0.2)	0.85 (0.16)	38.94 (6.18)
EOEC	Both	2031	1.15 (0.23)	0.86 (0.17)	39.2 (7.11)
EOEC	Both	2032	1.16 (0.25)	0.86 (0.19)	39.45 (8.11)
EOEC	Both	2033	1.17 (0.28)	0.87 (0.21)	39.65 (9.15)
EOEC	Both	2034	1.18 (0.3)	0.87 (0.23)	39.77 (10.21)
EOEC	Both	2035	1.18 (0.33)	0.87 (0.26)	39.82 (11.29)
EOEC	Female	2022	0.5 (0.01)	0.39 (0.01)	18.46 (0.36)
EOEC	Female	2023	0.5 (0.02)	0.38 (0.01)	18.42 (0.51)
EOEC	Female	2024	0.5 (0.02)	0.38 (0.02)	18.38 (0.71)
EOEC	Female	2025	0.5 (0.03)	0.38 (0.02)	18.34 (0.94)
EOEC	Female	2026	0.5 (0.03)	0.38 (0.03)	18.3 (1.2)
EOEC	Female	2027	0.5 (0.04)	0.38 (0.03)	18.26 (1.48)
EOEC	Female	2028	0.5 (0.05)	0.38 (0.04)	18.23 (1.79)
EOEC	Female	2029	0.5 (0.06)	0.38 (0.05)	18.2 (2.11)
EOEC	Female	2030	0.5 (0.07)	0.37 (0.05)	18.18 (2.46)
EOEC	Female	2031	0.5 (0.08)	0.37 (0.06)	18.15 (2.82)
EOEC	Female	2032	0.5 (0.09)	0.37 (0.07)	18.11 (3.19)
EOEC	Female	2033	0.49 (0.1)	0.37 (0.08)	18.05 (3.58)
EOEC	Female	2034	0.49 (0.11)	0.37 (0.09)	17.99 (3.97)
EOEC	Female	2035	0.49 (0.12)	0.37 (0.09)	17.93 (4.38)
EOEC	Male	2022	1.61 (0.05)	1.25 (0.06)	57.35 (1.75)
EOEC	Male	2023	1.61 (0.06)	1.24 (0.07)	57.09 (2.28)
EOEC	Male	2024	1.62 (0.08)	1.25 (0.08)	57.11 (3)
EOEC	Male	2025	1.63 (0.11)	1.25 (0.1)	57.16 (3.86)
EOEC	Male	2026	1.64 (0.13)	1.26 (0.12)	57.25 (4.85)
EOEC	Male	2027	1.66 (0.17)	1.26 (0.14)	57.53 (5.97)
EOEC	Male	2028	1.69 (0.2)	1.28 (0.17)	58.05 (7.22)

EOEC	Male	2029	1.72 (0.24)	1.29 (0.2)	58.68 (8.58)
EOEC	Male	2030	1.74 (0.28)	1.31 (0.23)	59.29 (10.03)
EOEC	Male	2031	1.77 (0.33)	1.33 (0.26)	59.92 (11.59)
EOEC	Male	2032	1.81 (0.38)	1.35 (0.3)	60.58 (13.27)
EOEC	Male	2033	1.83 (0.43)	1.36 (0.34)	61.16 (15.03)
EOEC	Male	2034	1.86 (0.48)	1.38 (0.38)	61.57 (16.83)
EOEC	Male	2035	1.87 (0.54)	1.38 (0.42)	61.76 (18.64)
LOEC	Both	2022	50.96 (0.91)	52.29 (0.92)	813.59 (15.74)
LOEC	Both	2023	51.13 (1.38)	52.3 (1.46)	812.81 (23.35)
LOEC	Both	2024	51.3 (1.98)	52.31 (2.14)	812.01 (33.22)
LOEC	Both	2025	51.46 (2.69)	52.31 (2.93)	811.1 (44.83)
LOEC	Both	2026	51.6 (3.5)	52.28 (3.82)	810.01 (57.94)
LOEC	Both	2027	51.73 (4.39)	52.24 (4.8)	808.66 (72.44)
LOEC	Both	2028	51.86 (5.37)	52.19 (5.86)	807.21 (88.14)
LOEC	Both	2029	52 (6.42)	52.14 (6.99)	805.75 (104.95)
LOEC	Both	2030	52.13 (7.54)	52.08 (8.2)	804.24 (122.8)
LOEC	Both	2031	52.25 (8.74)	52.02 (9.47)	802.65 (141.66)
LOEC	Both	2032	52.36 (10.01)	51.94 (10.81)	800.94 (161.49)
LOEC	Both	2033	52.47 (11.35)	51.86 (12.21)	799.16 (182.24)
LOEC	Both	2034	52.57 (12.75)	51.77 (13.67)	797.35 (203.85)
LOEC	Both	2035	52.67 (14.22)	51.68 (15.19)	795.52 (226.28)
LOEC	Female	2022	27.1 (0.49)	27.58 (0.49)	419.7 (7.96)
LOEC	Female	2023	27 (0.74)	27.36 (0.78)	415.87 (12.07)
LOEC	Female	2024	26.9 (1.06)	27.15 (1.13)	411.98 (17.28)
LOEC	Female	2025	26.8 (1.43)	26.93 (1.53)	408.08 (23.31)
LOEC	Female	2026	26.69 (1.84)	26.71 (1.98)	404.13 (30)
LOEC	Female	2027	26.58 (2.3)	26.47 (2.46)	400.02 (37.28)
LOEC	Female	2028	26.45 (2.79)	26.23 (2.98)	395.83 (45.03)
LOEC	Female	2029	26.33 (3.31)	25.98 (3.53)	391.6 (53.2)
LOEC	Female	2030	26.2 (3.86)	25.73 (4.1)	387.39 (61.73)
LOEC	Female	2031	26.07 (4.44)	25.48 (4.69)	383.18 (70.6)
LOEC	Female	2032	25.93 (5.05)	25.23 (5.3)	378.91 (79.78)
LOEC	Female	2033	25.79 (5.68)	24.96 (5.94)	374.62 (89.22)
LOEC	Female	2034	25.64 (6.33)	24.7 (6.59)	370.33 (98.89)
LOEC	Female	2035	25.49 (7.01)	24.44 (7.26)	366.07 (108.77)
LOEC	Male	2022	82.12 (1.55)	85.09 (1.66)	1314.87 (30.67)
LOEC	Male	2023	82.8 (2.39)	85.57 (2.6)	1320.21 (42.6)

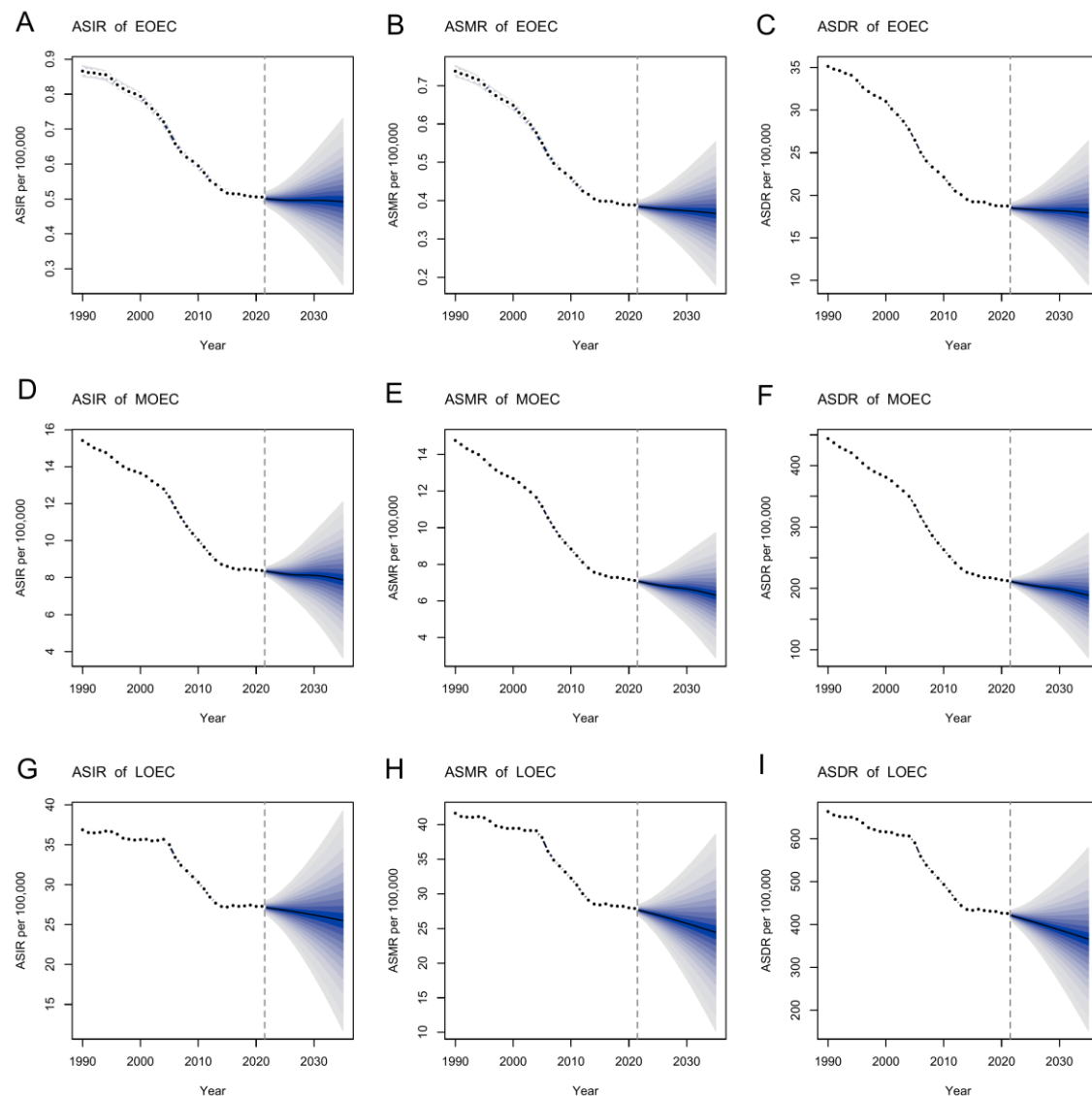
LOEC	Male	2024	83.48 (3.47)	86.04 (3.8)	1325.61 (58.36)
LOEC	Male	2025	84.16 (4.76)	86.51 (5.22)	1330.95 (77.2)
LOEC	Male	2026	84.83 (6.22)	86.95 (6.82)	1336.18 (98.75)
LOEC	Male	2027	85.48 (7.85)	87.37 (8.6)	1341.25 (122.82)
LOEC	Male	2028	86.15 (9.64)	87.8 (10.54)	1346.34 (149.17)
LOEC	Male	2029	86.83 (11.59)	88.23 (12.63)	1351.5 (177.65)
LOEC	Male	2030	87.51 (13.69)	88.66 (14.88)	1356.68 (208.21)
LOEC	Male	2031	88.2 (15.93)	89.09 (17.27)	1361.86 (240.82)
LOEC	Male	2032	88.87 (18.34)	89.5 (19.81)	1366.99 (275.47)
LOEC	Male	2033	89.56 (20.89)	89.91 (22.5)	1372.13 (312.08)
LOEC	Male	2034	90.25 (23.59)	90.33 (25.32)	1377.31 (350.6)
LOEC	Male	2035	90.94 (26.44)	90.75 (28.29)	1382.5 (391.01)
MOEC	Both	2022	19.49 (0.33)	16.99 (0.29)	511.48 (8.65)
MOEC	Both	2023	19.39 (0.48)	16.86 (0.43)	508.11 (12.91)
MOEC	Both	2024	19.29 (0.67)	16.71 (0.6)	504.61 (18.2)
MOEC	Both	2025	19.2 (0.89)	16.59 (0.8)	501.47 (24.3)
MOEC	Both	2026	19.14 (1.14)	16.49 (1.03)	499.02 (31.19)
MOEC	Both	2027	19.13 (1.42)	16.43 (1.28)	497.41 (38.91)
MOEC	Both	2028	19.17 (1.74)	16.41 (1.55)	496.74 (47.36)
MOEC	Both	2029	19.24 (2.07)	16.42 (1.85)	496.64 (56.46)
MOEC	Both	2030	19.32 (2.44)	16.43 (2.16)	496.58 (66.17)
MOEC	Both	2031	19.38 (2.82)	16.43 (2.49)	496.17 (76.48)
MOEC	Both	2032	19.42 (3.24)	16.41 (2.85)	495.26 (87.42)
MOEC	Both	2033	19.44 (3.67)	16.38 (3.22)	493.95 (98.91)
MOEC	Both	2034	19.44 (4.13)	16.33 (3.61)	492.29 (110.91)
MOEC	Both	2035	19.43 (4.61)	16.28 (4.01)	490.41 (123.42)
MOEC	Female	2022	8.33 (0.14)	7.04 (0.12)	210.44 (3.42)
MOEC	Female	2023	8.28 (0.22)	6.98 (0.19)	208.57 (5.41)
MOEC	Female	2024	8.24 (0.32)	6.91 (0.27)	206.81 (7.85)
MOEC	Female	2025	8.19 (0.43)	6.86 (0.37)	205.22 (10.63)
MOEC	Female	2026	8.16 (0.56)	6.81 (0.47)	203.72 (13.72)
MOEC	Female	2027	8.14 (0.7)	6.76 (0.59)	202.34 (17.15)
MOEC	Female	2028	8.13 (0.85)	6.73 (0.71)	201.13 (20.85)
MOEC	Female	2029	8.13 (1.01)	6.69 (0.85)	200.01 (24.78)
MOEC	Female	2030	8.12 (1.18)	6.65 (0.99)	198.78 (28.89)
MOEC	Female	2031	8.09 (1.36)	6.6 (1.13)	197.22 (33.18)
MOEC	Female	2032	8.05 (1.55)	6.54 (1.28)	195.26 (37.62)

MOEC	Female	2033	8 (1.74)	6.46 (1.43)	193.08 (42.2)
MOEC	Female	2034	7.94 (1.94)	6.39 (1.58)	190.86 (46.92)
MOEC	Female	2035	7.88 (2.15)	6.31 (1.74)	188.75 (51.8)
MOEC	Male	2022	31.22 (0.54)	27.46 (0.5)	827.02 (14.74)
MOEC	Male	2023	31.08 (0.79)	27.26 (0.72)	822.13 (21.6)
MOEC	Male	2024	30.92 (1.09)	27.04 (1)	816.92 (30.17)
MOEC	Male	2025	30.79 (1.44)	26.85 (1.32)	812.33 (40.1)
MOEC	Male	2026	30.71 (1.84)	26.71 (1.69)	809.04 (51.35)
MOEC	Male	2027	30.72 (2.3)	26.63 (2.09)	807.33 (64.03)
MOEC	Male	2028	30.81 (2.8)	26.63 (2.54)	807.34 (77.96)
MOEC	Male	2029	30.96 (3.35)	26.69 (3.03)	808.41 (93.01)
MOEC	Male	2030	31.12 (3.94)	26.75 (3.55)	809.65 (109.15)
MOEC	Male	2031	31.27 (4.57)	26.81 (4.11)	810.47 (126.37)
MOEC	Male	2032	31.39 (5.25)	26.84 (4.7)	810.59 (144.73)
MOEC	Male	2033	31.48 (5.97)	26.84 (5.32)	810.1 (164.11)
MOEC	Male	2034	31.55 (6.73)	26.82 (5.98)	808.96 (184.41)
MOEC	Male	2035	31.58 (7.52)	26.77 (6.66)	807.29 (205.65)

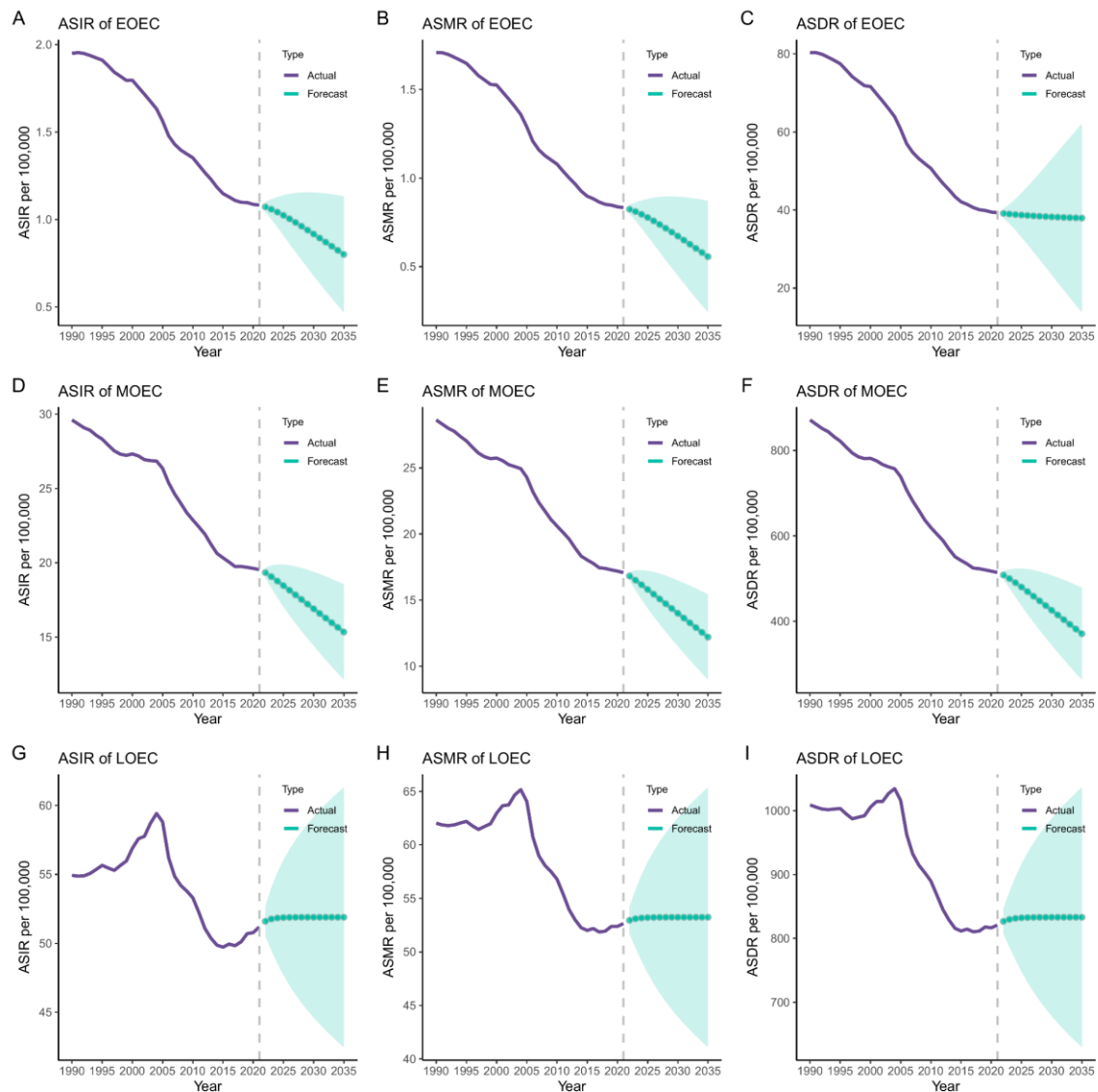
Abbreviations: BAPC, Bayesian age-period-cohort; ASIR, age- standardized incidence rate; ASMR, age-standardized mortality rate; ASDR, age-standardized disability-adjusted life year rate; EOEC, early-onset esophageal cancer; MOEC, middle-onset esophageal cancer; LOEC, late-onset esophageal cancer; SD, standard deviation.



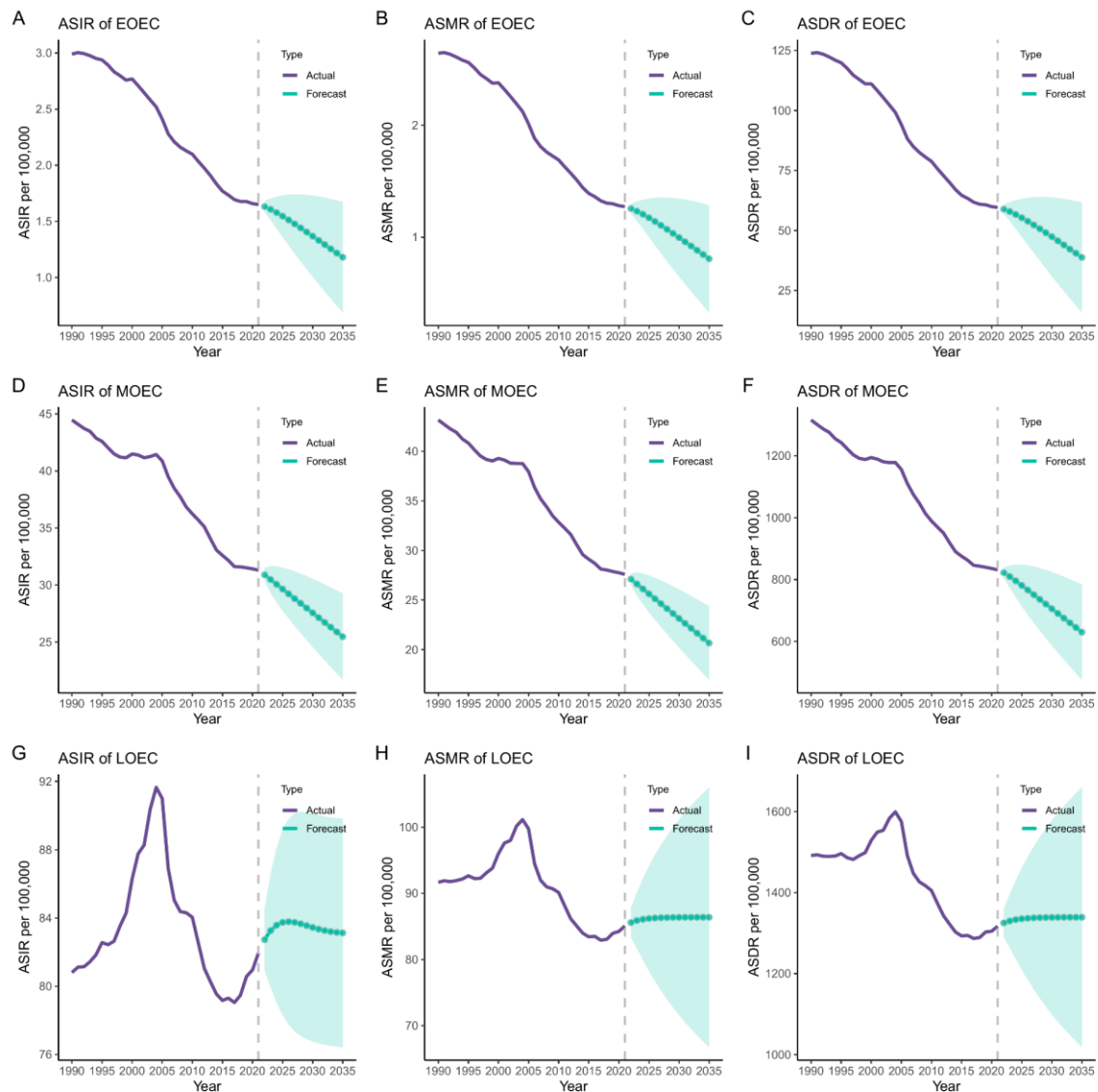
Supplementary Figure S24. BAPC model predicted trends of ASIR, ASMR and ASDR for EOEC (A, B, C), MOEC (D, E, F), and LOEC (G, H, I) **in male**: observed (1990–2021) and predicted rates (2022–2035). The blue region in the figures shows the upper and lower limits of the 95% uncertainty intervals (95% UI). BAPC, Bayesian age-period-cohort; ASIR, age-standardized incidence rate; ASMR, age-standardized mortality rate; ASDR, age-standardized disability-adjusted life year rate; EOEC, early-onset esophageal cancer; MOEC, middle-onset esophageal cancer; LOEC, late-onset esophageal cancer.



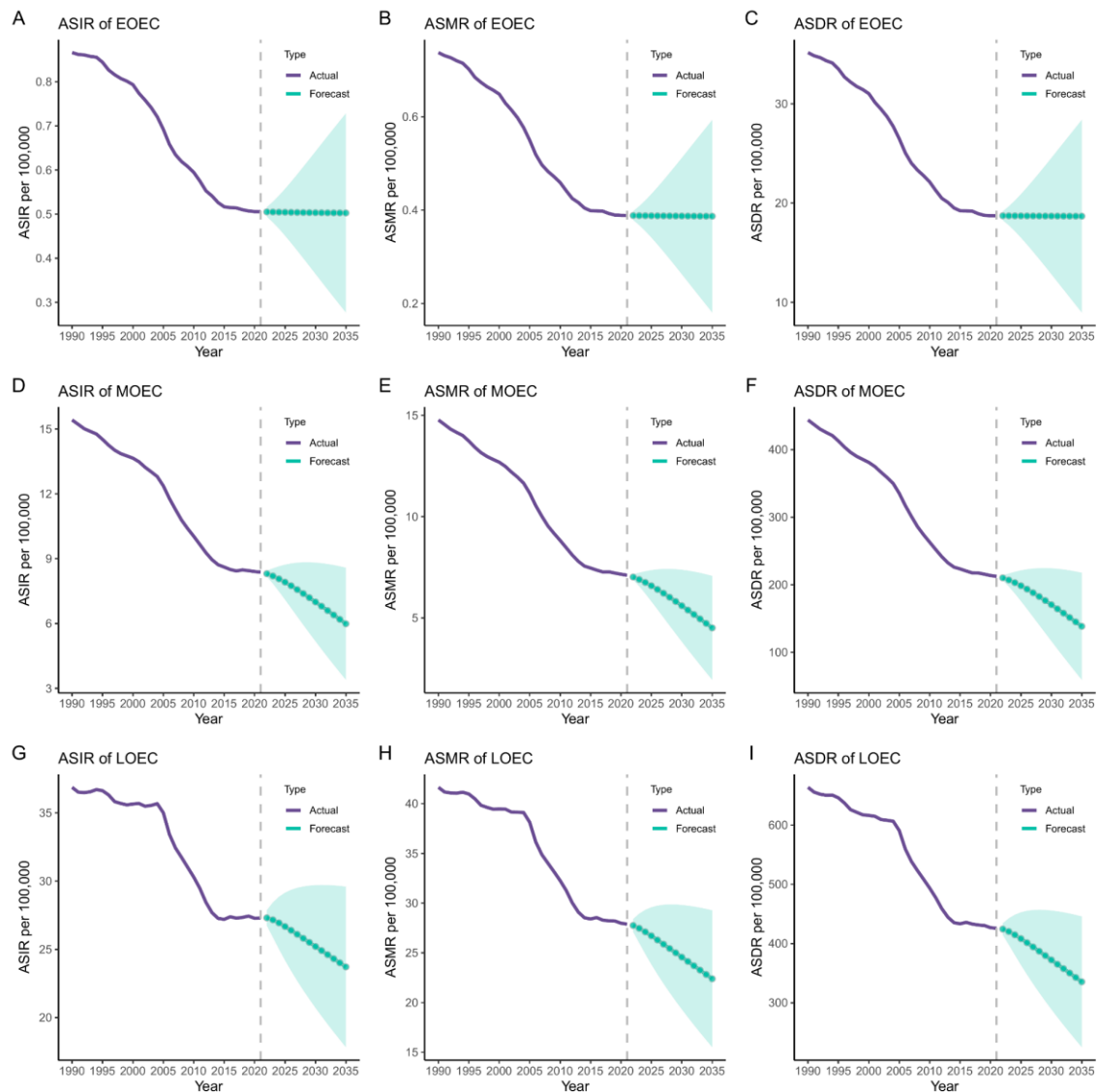
Supplementary Figure S25. BAPC model predicted trends of ASIR, ASMR and ASDR for EOEC (A, B, C), MOEC (D, E, F), and LOEC (G, H, I) **in female**: observed (1990–2021) and predicted rates (2022–2035). The blue region in the figures shows the upper and lower limits of the 95% uncertainty intervals (95% UI). BAPC, Bayesian age-period-cohort; ASIR, age-standardized incidence rate; ASMR, age-standardized mortality rate; ASDR, age-standardized disability-adjusted life year rate; EOEC, early-onset esophageal cancer; MOEC, middle-onset esophageal cancer; LOEC, late-onset esophageal cancer.



Supplementary Figure S26. ARIMA model predicted trends of ASIR, ASMR and ASDR for EOEC (A, B, C), MOEC (D, E, F), and LOEC (G, H, I): observed (1990–2021) and predicted rates (2022–2035). The blue region in the figures shows the upper and lower limits of the 95% uncertainty intervals (95% UI). ARIMA, autoregressive integrated moving average; ASIR, age-standardized incidence rate; ASMR, age-standardized mortality rate; ASDR, age-standardized disability-adjusted life year rate; EOEC, early-onset esophageal cancer; MOEC, middle-onset esophageal cancer; LOEC, late-onset esophageal cancer.



Supplementary Figure S27. ARIMA model predicted trends of ASIR, ASMR and ASDR for EOEC (A, B, C), MOEC (D, E, F), and LOEC (G, H, I) **in male**: observed (1990–2021) and predicted rates (2022–2035). The blue region in the figures shows the upper and lower limits of the 95% uncertainty intervals (95% UI). ARIMA, autoregressive integrated moving average; ASIR, age-standardized incidence rate; ASMR, age-standardized mortality rate; ASDR, age-standardized disability-adjusted life year rate; EOEC, early-onset esophageal cancer; MOEC, middle-onset esophageal cancer; LOEC, late-onset esophageal cancer.



Supplementary Figure S28. ARIMA model predicted trends of ASIR, ASMR and ASDR for EOEC (A, B, C), MOEC (D, E, F), and LOEC (G, H, I) in female: observed (1990–2021) and predicted rates (2022–2035). The blue region in the figures shows the upper and lower limits of the 95% uncertainty intervals (95% UI). ARIMA, autoregressive integrated moving average; ASIR, age-standardized incidence rate; ASMR, age-standardized mortality rate; ASDR, age-standardized disability-adjusted life year rate; EOEC, early-onset esophageal cancer; MOEC, middle-onset esophageal cancer; LOEC, late-onset esophageal cancer.

Supplementary Table S17. ARIMA model predicted trends of ASIR, ASMR and ASDR for EOEC, MOEC and LOEC from 2022 to 2035.

Group	Gender	Year	Predicted ASIR (95% CI)	Predicted ASMR (95% CI)	Predicted ASDR (95% CI)
EOEC	Both	2022	1.07 (1.04, 1.1)	0.82 (0.8, 0.85)	39.14 (37.99, 40.28)
EOEC	Both	2023	1.06 (1, 1.12)	0.81 (0.76, 0.86)	38.98 (36.52, 41.45)
EOEC	Both	2024	1.04 (0.96, 1.13)	0.8 (0.72, 0.87)	38.85 (34.86, 42.83)
EOEC	Both	2025	1.02 (0.91, 1.14)	0.78 (0.67, 0.88)	38.72 (33.08, 44.36)
EOEC	Both	2026	1 (0.86, 1.15)	0.76 (0.63, 0.89)	38.61 (31.22, 46)
EOEC	Both	2027	0.98 (0.81, 1.15)	0.74 (0.58, 0.89)	38.5 (29.3, 47.71)
EOEC	Both	2028	0.96 (0.77, 1.15)	0.72 (0.54, 0.9)	38.41 (27.35, 49.47)
EOEC	Both	2029	0.94 (0.72, 1.16)	0.7 (0.49, 0.9)	38.32 (25.39, 51.26)
EOEC	Both	2030	0.92 (0.68, 1.15)	0.67 (0.45, 0.9)	38.25 (23.42, 53.07)
EOEC	Both	2031	0.89 (0.63, 1.15)	0.65 (0.41, 0.89)	38.18 (21.45, 54.9)
EOEC	Both	2032	0.87 (0.59, 1.15)	0.63 (0.36, 0.89)	38.11 (19.5, 56.72)
EOEC	Both	2033	0.85 (0.55, 1.14)	0.6 (0.32, 0.88)	38.05 (17.56, 58.54)
EOEC	Both	2034	0.82 (0.51, 1.14)	0.58 (0.28, 0.88)	38 (15.65, 60.35)
EOEC	Both	2035	0.8 (0.47, 1.13)	0.56 (0.24, 0.87)	37.95 (13.76, 62.15)
EOEC	Female	2022	0.51 (0.49, 0.52)	0.39 (0.38, 0.4)	18.72 (18.29, 19.16)
EOEC	Female	2023	0.5 (0.48, 0.53)	0.39 (0.37, 0.41)	18.72 (17.77, 19.67)
EOEC	Female	2024	0.5 (0.47, 0.54)	0.39 (0.36, 0.42)	18.71 (17.18, 20.25)
EOEC	Female	2025	0.5 (0.45, 0.56)	0.39 (0.34, 0.43)	18.71 (16.52, 20.89)
EOEC	Female	2026	0.5 (0.43, 0.57)	0.39 (0.33, 0.45)	18.7 (15.83, 21.58)
EOEC	Female	2027	0.5 (0.42, 0.59)	0.39 (0.31, 0.46)	18.7 (15.11, 22.29)
EOEC	Female	2028	0.5 (0.4, 0.61)	0.39 (0.3, 0.48)	18.7 (14.37, 23.03)
EOEC	Female	2029	0.5 (0.38, 0.62)	0.39 (0.28, 0.5)	18.69 (13.61, 23.78)
EOEC	Female	2030	0.5 (0.36, 0.64)	0.39 (0.26, 0.51)	18.69 (12.84, 24.54)
EOEC	Female	2031	0.5 (0.35, 0.66)	0.39 (0.25, 0.53)	18.69 (12.07, 25.3)
EOEC	Female	2032	0.5 (0.33, 0.68)	0.39 (0.23, 0.54)	18.69 (11.3, 26.07)
EOEC	Female	2033	0.5 (0.31, 0.69)	0.39 (0.21, 0.56)	18.68 (10.53, 26.84)
EOEC	Female	2034	0.5 (0.29, 0.71)	0.39 (0.2, 0.58)	18.68 (9.76, 27.61)
EOEC	Female	2035	0.5 (0.28, 0.73)	0.39 (0.18, 0.59)	18.68 (8.99, 28.37)
EOEC	Male	2022	1.63 (1.58, 1.68)	1.26 (1.21, 1.3)	58.89 (56.93, 60.85)
EOEC	Male	2023	1.61 (1.51, 1.7)	1.23 (1.15, 1.32)	57.89 (53.96, 61.81)
EOEC	Male	2024	1.58 (1.44, 1.72)	1.2 (1.07, 1.33)	56.68 (50.75, 62.62)
EOEC	Male	2025	1.55 (1.36, 1.73)	1.17 (1, 1.35)	55.33 (47.42, 63.23)
EOEC	Male	2026	1.51 (1.29, 1.74)	1.14 (0.93, 1.35)	53.87 (44.07, 63.67)
EOEC	Male	2027	1.48 (1.21, 1.74)	1.11 (0.86, 1.36)	52.32 (40.72, 63.92)

EOEC	Male	2028	1.44 (1.14, 1.74)	1.07 (0.79, 1.35)	50.72 (37.42, 64.02)
EOEC	Male	2029	1.4 (1.07, 1.74)	1.03 (0.72, 1.35)	49.08 (34.17, 63.99)
EOEC	Male	2030	1.37 (1.01, 1.73)	1 (0.65, 1.34)	47.4 (30.97, 63.83)
EOEC	Male	2031	1.33 (0.94, 1.72)	0.96 (0.58, 1.34)	45.7 (27.84, 63.56)
EOEC	Male	2032	1.29 (0.87, 1.71)	0.92 (0.52, 1.33)	43.98 (24.76, 63.21)
EOEC	Male	2033	1.26 (0.81, 1.7)	0.88 (0.45, 1.31)	42.25 (21.74, 62.77)
EOEC	Male	2034	1.22 (0.75, 1.69)	0.85 (0.39, 1.3)	40.52 (18.77, 62.27)
EOEC	Male	2035	1.18 (0.69, 1.67)	0.81 (0.33, 1.29)	38.77 (15.84, 61.7)
LOEC	Both	2022	51.59 (50.53, 52.66)	52.95 (51.7, 54.2)	826.68 (807.31, 846.04)
LOEC	Both	2023	51.77 (49.5, 54.03)	53.1 (50.39, 55.82)	829.76 (786.59, 872.94)
LOEC	Both	2024	51.84 (48.55, 55.13)	53.17 (49.15, 57.2)	831.36 (766.41, 896.32)
LOEC	Both	2025	51.87 (47.7, 56.04)	53.21 (48.04, 58.38)	832.19 (747.93, 916.44)
LOEC	Both	2026	51.88 (46.95, 56.81)	53.22 (47.05, 59.4)	832.61 (731.27, 933.96)
LOEC	Both	2027	51.89 (46.29, 57.49)	53.23 (46.17, 60.3)	832.83 (716.22, 949.45)
LOEC	Both	2028	51.89 (45.69, 58.09)	53.23 (45.36, 61.11)	832.95 (702.52, 963.37)
LOEC	Both	2029	51.89 (45.13, 58.65)	53.24 (44.63, 61.84)	833.01 (689.95, 976.06)
LOEC	Both	2030	51.89 (44.62, 59.16)	53.24 (43.95, 62.52)	833.04 (678.31, 987.76)
LOEC	Both	2031	51.89 (44.15, 59.64)	53.24 (43.32, 63.16)	833.05 (667.44, 998.66)
LOEC	Both	2032	51.89 (43.7, 60.09)	53.24 (42.72, 63.76)	833.06 (657.22, 1008.9)
LOEC	Both	2033	51.89 (43.27, 60.51)	53.24 (42.15, 64.32)	833.06 (647.54, 1018.58)
LOEC	Both	2034	51.89 (42.86, 60.92)	53.24 (41.62, 64.86)	833.07 (638.34, 1027.79)
LOEC	Both	2035	51.89 (42.47, 61.31)	53.24 (41.1, 65.38)	833.07 (629.56, 1036.57)
LOEC	Female	2022	27.31 (26.76, 27.87)	27.76 (27.11, 28.4)	424.42 (414.78, 434.05)
LOEC	Female	2023	27.17 (25.9, 28.44)	27.47 (26, 28.94)	420.29 (398.11, 442.48)
LOEC	Female	2024	26.94 (25.03, 28.86)	27.11 (24.9, 29.32)	414.68 (380.79, 448.57)
LOEC	Female	2025	26.68 (24.2, 29.15)	26.71 (23.84, 29.58)	408.25 (363.84, 452.65)
LOEC	Female	2026	26.4 (23.43, 29.36)	26.3 (22.85, 29.74)	401.37 (347.58, 455.17)
LOEC	Female	2027	26.11 (22.7, 29.51)	25.87 (21.91, 29.83)	394.26 (332.03, 456.49)
LOEC	Female	2028	25.81 (22.01, 29.61)	25.44 (21.01, 29.86)	387.01 (317.14, 456.89)
LOEC	Female	2029	25.51 (21.36, 29.67)	25.01 (20.16, 29.86)	379.69 (302.82, 456.57)
LOEC	Female	2030	25.22 (20.72, 29.71)	24.57 (19.33, 29.81)	372.33 (288.99, 455.68)
LOEC	Female	2031	24.92 (20.12, 29.72)	24.14 (18.53, 29.74)	364.95 (275.58, 454.33)
LOEC	Female	2032	24.62 (19.52, 29.71)	23.7 (17.75, 29.65)	357.56 (262.52, 452.6)
LOEC	Female	2033	24.32 (18.95, 29.69)	23.27 (16.99, 29.54)	350.17 (249.77, 450.56)
LOEC	Female	2034	24.02 (18.39, 29.65)	22.83 (16.25, 29.41)	342.76 (237.29, 448.24)
LOEC	Female	2035	23.72 (17.84, 29.6)	22.4 (15.52, 29.27)	335.36 (225.03, 445.69)
LOEC	Male	2022	82.73 (80.91, 84.54)	85.57 (83.33, 87.81)	1324.96 (1290.59, 1359.34)

LOEC	Male	2023	83.25 (79.94, 86.57)	85.88 (81.63, 90.13)	1330.06 (1263.94, 1396.18)
LOEC	Male	2024	83.58 (79.04, 88.12)	86.07 (79.91, 92.23)	1333.34 (1236.55, 1430.13)
LOEC	Male	2025	83.74 (78.3, 89.17)	86.19 (78.27, 94.11)	1335.45 (1209.99, 1460.9)
LOEC	Male	2026	83.78 (77.75, 89.81)	86.26 (76.74, 95.79)	1336.8 (1184.87, 1488.73)
LOEC	Male	2027	83.74 (77.36, 90.13)	86.31 (75.31, 97.31)	1337.67 (1161.36, 1513.98)
LOEC	Male	2028	83.66 (77.09, 90.23)	86.34 (73.99, 98.69)	1338.23 (1139.41, 1537.05)
LOEC	Male	2029	83.55 (76.9, 90.21)	86.35 (72.75, 99.95)	1338.59 (1118.91, 1558.28)
LOEC	Male	2030	83.44 (76.76, 90.13)	86.36 (71.6, 101.12)	1338.82 (1099.69, 1577.95)
LOEC	Male	2031	83.34 (76.65, 90.04)	86.37 (70.53, 102.21)	1338.97 (1081.63, 1596.31)
LOEC	Male	2032	83.26 (76.57, 89.95)	86.37 (69.51, 103.24)	1339.07 (1064.57, 1613.56)
LOEC	Male	2033	83.2 (76.5, 89.89)	86.38 (68.54, 104.21)	1339.13 (1048.4, 1629.85)
LOEC	Male	2034	83.15 (76.46, 89.85)	86.38 (67.63, 105.13)	1339.17 (1033.02, 1645.32)
LOEC	Male	2035	83.12 (76.42, 89.82)	86.38 (66.75, 106.01)	1339.19 (1018.33, 1660.06)
MOEC	Both	2022	19.34 (19.01, 19.66)	16.82 (16.5, 17.15)	508.38 (499.13, 517.63)
MOEC	Both	2023	19.06 (18.31, 19.82)	16.5 (15.76, 17.25)	500.03 (478.35, 521.71)
MOEC	Both	2024	18.77 (17.65, 19.89)	16.16 (15.05, 17.27)	490.44 (457.22, 523.66)
MOEC	Both	2025	18.46 (17.04, 19.88)	15.81 (14.39, 17.22)	480.19 (436.64, 523.74)
MOEC	Both	2026	18.15 (16.47, 19.83)	15.45 (13.77, 17.13)	469.58 (416.83, 522.33)
MOEC	Both	2027	17.84 (15.93, 19.75)	15.09 (13.18, 17)	458.78 (397.78, 519.78)
MOEC	Both	2028	17.53 (15.41, 19.65)	14.73 (12.61, 16.85)	447.88 (379.41, 516.34)
MOEC	Both	2029	17.21 (14.91, 19.52)	14.37 (12.06, 16.68)	436.92 (361.62, 512.21)
MOEC	Both	2030	16.9 (14.42, 19.38)	14.01 (11.52, 16.49)	425.93 (344.32, 507.54)
MOEC	Both	2031	16.59 (13.94, 19.23)	13.65 (10.99, 16.3)	414.92 (327.43, 502.42)
MOEC	Both	2032	16.28 (13.48, 19.08)	13.29 (10.48, 16.09)	403.91 (310.89, 496.93)
MOEC	Both	2033	15.96 (13.02, 18.91)	12.92 (9.97, 15.88)	392.89 (294.65, 491.14)
MOEC	Both	2034	15.65 (12.56, 18.73)	12.56 (9.47, 15.66)	381.87 (278.67, 485.08)
MOEC	Both	2035	15.34 (12.12, 18.55)	12.2 (8.97, 15.43)	370.85 (262.91, 478.79)
MOEC	Female	2022	8.31 (8.17, 8.44)	7.02 (6.89, 7.15)	210.23 (206.58, 213.89)
MOEC	Female	2023	8.2 (7.85, 8.55)	6.9 (6.57, 7.23)	207.06 (197.53, 216.58)
MOEC	Female	2024	8.07 (7.49, 8.65)	6.76 (6.21, 7.31)	203.12 (187.13, 219.1)
MOEC	Female	2025	7.92 (7.11, 8.72)	6.59 (5.82, 7.36)	198.58 (175.94, 221.22)
MOEC	Female	2026	7.75 (6.72, 8.78)	6.41 (5.43, 7.4)	193.57 (164.31, 222.83)
MOEC	Female	2027	7.57 (6.33, 8.81)	6.22 (5.03, 7.42)	188.19 (152.46, 223.92)
MOEC	Female	2028	7.39 (5.94, 8.83)	6.02 (4.63, 7.42)	182.52 (140.52, 224.52)
MOEC	Female	2029	7.2 (5.56, 8.83)	5.82 (4.23, 7.41)	176.61 (128.59, 224.64)
MOEC	Female	2030	7 (5.18, 8.82)	5.61 (3.84, 7.38)	170.53 (116.73, 224.33)
MOEC	Female	2031	6.8 (4.81, 8.79)	5.39 (3.45, 7.34)	164.31 (104.97, 223.64)

MOEC	Female	2032	6.6 (4.45, 8.75)	5.18 (3.07, 7.29)	157.97 (93.34, 222.59)
MOEC	Female	2033	6.4 (4.09, 8.7)	4.96 (2.69, 7.22)	151.54 (81.85, 221.23)
MOEC	Female	2034	6.19 (3.74, 8.65)	4.74 (2.32, 7.15)	145.04 (70.51, 219.58)
MOEC	Female	2035	5.99 (3.4, 8.58)	4.51 (1.95, 7.08)	138.49 (59.3, 217.68)
MOEC	Male	2022	30.9 (30.33, 31.47)	27.12 (26.55, 27.69)	822.19 (805.83, 838.55)
MOEC	Male	2023	30.48 (29.3, 31.66)	26.62 (25.46, 27.79)	809.7 (773.9, 845.49)
MOEC	Male	2024	30.07 (28.49, 31.64)	26.13 (24.58, 27.67)	795.7 (743.03, 848.38)
MOEC	Male	2025	29.65 (27.76, 31.53)	25.63 (23.78, 27.48)	781.05 (713.91, 848.19)
MOEC	Male	2026	29.23 (27.08, 31.38)	25.14 (23.03, 27.24)	766.11 (686.41, 845.81)
MOEC	Male	2027	28.81 (26.43, 31.2)	24.64 (22.3, 26.98)	751.04 (660.23, 841.86)
MOEC	Male	2028	28.39 (25.79, 31)	24.14 (21.59, 26.69)	735.92 (635.1, 836.74)
MOEC	Male	2029	27.98 (25.18, 30.78)	23.65 (20.9, 26.39)	720.77 (610.81, 830.73)
MOEC	Male	2030	27.56 (24.57, 30.54)	23.15 (20.22, 26.08)	705.61 (587.2, 824.03)
MOEC	Male	2031	27.14 (23.98, 30.3)	22.65 (19.55, 25.75)	690.45 (564.14, 816.76)
MOEC	Male	2032	26.72 (23.4, 30.05)	22.16 (18.9, 25.42)	675.28 (541.54, 809.03)
MOEC	Male	2033	26.3 (22.82, 29.79)	21.66 (18.25, 25.08)	660.12 (519.33, 800.91)
MOEC	Male	2034	25.89 (22.25, 29.52)	21.17 (17.6, 24.73)	644.95 (497.45, 792.45)
MOEC	Male	2035	25.47 (21.69, 29.25)	20.67 (16.96, 24.38)	629.78 (475.87, 783.7)

Abbreviations: ARIMA, autoregressive integrated moving average; ASIR, age- standardized incidence rate; ASMR, age-standardized mortality rate; ASDR, age-standardized disability-adjusted life year rate; EOEC, early-onset esophageal cancer; MOEC, middle-onset esophageal cancer; LOEC, late-onset esophageal cancer; CI, confidence interval.