

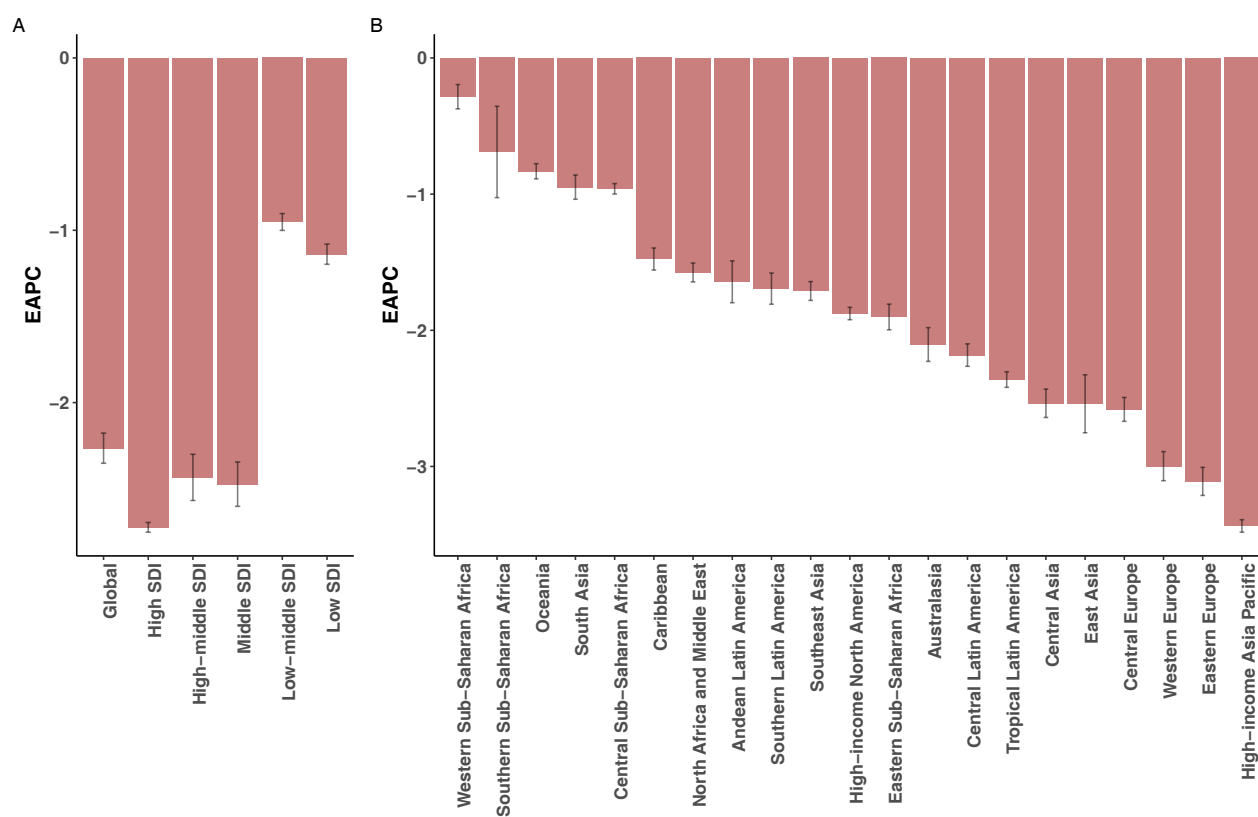


Figure S1 Estimated annual percentage change of high sodium intake-attributed gastric cancer in SDI and GBD regions from 1990 to 2021.

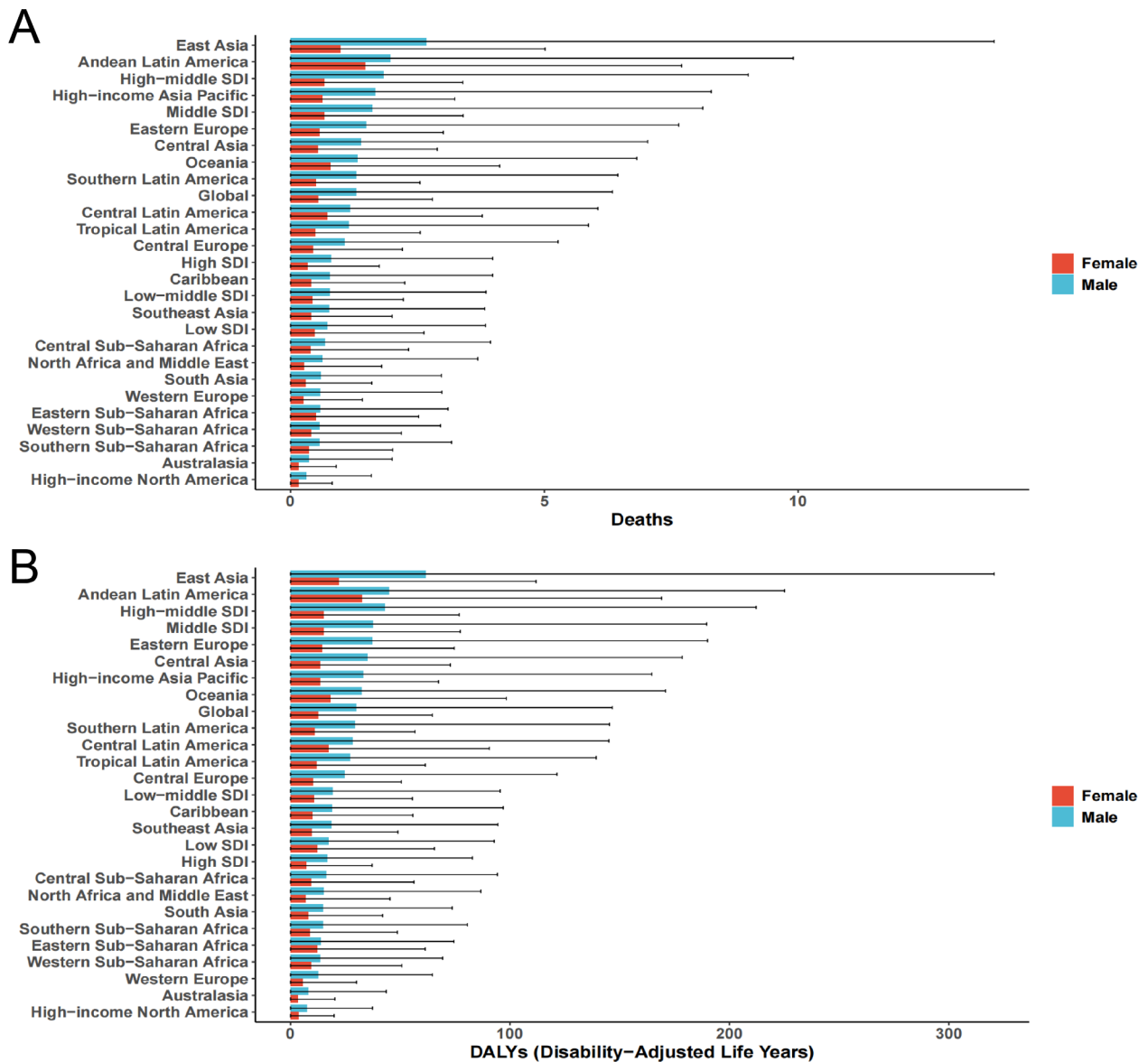


Figure S2 Age-standardized rate of high sodium intake-attributed gastric cancer across GBD regions in 2021. (A) Age-standardized mortality rate; (B) age-standardized DALYs rate.

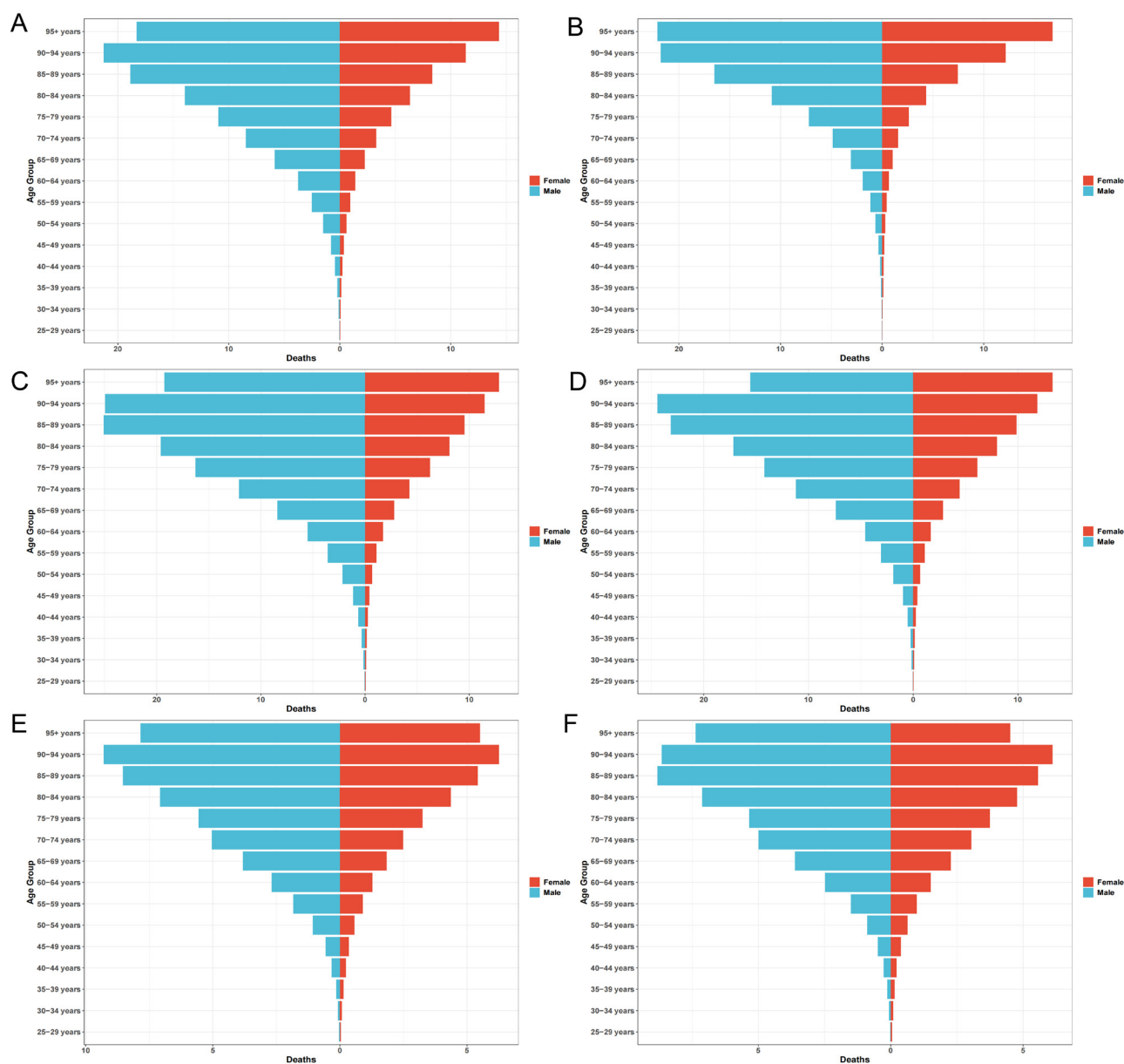


Figure S3 Age-Specific Mortality rate of high sodium intake-attributed gastric cancer across SDI regions in 2021, by Sex. (A) Globally; (B) High SDI regions; (C) High-Middle SDI regions; (D) Middle SDI regions; (E) Low-Middle SDI regions; (F) Low SDI regions.

Table S1 Age-standardized mortality rate of high sodium intake-attributed gastric cancer in SDI and GBD regions from 1990 to 2021

Location_name	Sex_name	Year	Val	Upper	LV ower
Global	Male	1990	2.457553994	12.42510697	−3.60E−08
Global	Female	1990	1.15368677	5.864377991	3.86E−09
Global	Both	1990	1.744192138	8.742174021	−1.53E−08
Global	Male	1991	2.405568261	12.22084904	−4.06E−08
Global	Female	1991	1.126341324	5.72632114	5.31E−09
Global	Both	1991	1.706352659	8.617350709	−1.36E−08
Global	Male	1992	2.36871593	11.84976486	−4.45E−08
Global	Female	1992	1.098172815	5.521196802	4.44E−09
Global	Both	1992	1.674908627	8.384423468	−1.80E−08
Global	Male	1993	2.318562782	11.60528584	−3.57E−08
Global	Female	1993	1.081359402	5.4662423	3.31E−09
Global	Both	1993	1.64346039	8.19526338	−1.50E−08
Global	Male	1994	2.275515145	11.4794276	−3.16E−08
Global	Female	1994	1.05613286	5.390489074	5.27E−09
Global	Both	1994	1.610621627	8.119691775	−1.26E−08
Global	Male	1995	2.22963286	11.2058102	−2.52E−08
Global	Female	1995	1.031640226	5.211102645	6.61E−09
Global	Both	1995	1.576397585	7.894196087	−1.11E−08
Global	Male	1996	2.177792386	10.88378477	−1.87E−08
Global	Female	1996	1.000689021	5.090102137	6.18E−09
Global	Both	1996	1.535984732	7.685528906	−7.85E−09
Global	Male	1997	2.12851446	10.73804456	−1.91E−08
Global	Female	1997	0.97068484	4.89207319	8.83E−09
Global	Both	1997	1.497087913	7.467429198	−5.57E−09
Global	Male	1998	2.09916276	10.41048709	−1.86E−08
Global	Female	1998	0.949317077	4.790600097	1.08E−08
Global	Both	1998	1.47225549	7.303840109	2.00E−11
Global	Male	1999	2.078119805	10.47245898	−1.69E−08
Global	Female	1999	0.936272283	4.690948339	8.47E−09
Global	Both	1999	1.455764764	7.309240763	−5.70E−10
Global	Male	2000	2.054226984	10.26459337	−1.96E−08
Global	Female	2000	0.919308301	4.744180109	7.25E−09
Global	Both	2000	1.435463238	7.130148571	−4.04E−09
Global	Male	2001	2.045297357	10.20077855	−2.31E−08
Global	Female	2001	0.901528953	4.526852541	6.06E−09

Table S1 (*continued*)

Table S1 (continued)

Location_name	Sex_name	Year	Val	Upper	LV ower
Global	Both	2001	1.421997397	7.100166706	-2.84E-09
Global	Male	2002	2.015371193	9.914273128	-2.55E-08
Global	Female	2002	0.88743201	4.512608027	7.79E-09
Global	Both	2002	1.400925379	6.940409621	-3.19E-09
Global	Male	2003	2.006985422	10.0172103	-2.23E-08
Global	Female	2003	0.873943024	4.456982059	7.34E-09
Global	Both	2003	1.389296199	6.988405794	-3.03E-09
Global	Male	2004	1.994702085	9.862240228	-1.55E-08
Global	Female	2004	0.858651476	4.396084686	7.80E-09
Global	Both	2004	1.375825739	6.865029862	-1.45E-09
Global	Male	2005	1.935622057	9.639249186	-1.90E-08
Global	Female	2005	0.826869034	4.161879596	9.10E-09
Global	Both	2005	1.332101766	6.580827813	-3.40E-10
Global	Male	2006	1.829582007	9.066107801	-1.55E-08
Global	Female	2006	0.780487957	3.942699004	6.00E-09
Global	Both	2006	1.259065886	6.267723054	1.25E-09
Global	Male	2007	1.764331947	8.9059253	-1.69E-08
Global	Female	2007	0.750077547	3.803799482	6.74E-09
Global	Both	2007	1.212651597	5.976585239	1.78E-09
Global	Male	2008	1.736849878	8.65395133	-1.25E-08
Global	Female	2008	0.725202725	3.697331131	5.93E-09
Global	Both	2008	1.187042757	5.945366743	1.98E-09
Global	Male	2009	1.699237422	8.486541126	-1.21E-08
Global	Female	2009	0.70680856	3.609959045	3.95E-09
Global	Both	2009	1.159600455	5.809509165	-6.50E-10
Global	Male	2010	1.668138933	8.369293937	-1.59E-08
Global	Female	2010	0.688600095	3.553632673	3.84E-09
Global	Both	2010	1.135565009	5.690203236	-2.56E-09
Global	Male	2011	1.616414288	7.929327255	-1.71E-08
Global	Female	2011	0.660593615	3.362975451	4.13E-09
Global	Both	2011	1.097197059	5.470829446	-2.62E-09
Global	Male	2012	1.571996952	7.801577241	-1.22E-08
Global	Female	2012	0.640844829	3.260940416	3.49E-09
Global	Both	2012	1.066554041	5.346826565	-5.16E-09

Table S1 (continued)

Table S1 (continued)

Location_name	Sex_name	Year	Val	Upper	LV ower
Global	Male	2013	1.528731273	7.562983126	-8.98E-09
Global	Female	2013	0.621271601	3.190882611	2.45E-09
Global	Both	2013	1.035786214	5.164886748	-2.42E-09
Global	Male	2014	1.484423337	7.437126119	-1.02E-08
Global	Female	2014	0.602714749	3.096102039	2.31E-09
Global	Both	2014	1.005308513	5.067274545	-3.21E-09
Global	Male	2015	1.437120401	7.085610829	-1.33E-08
Global	Female	2015	0.593735372	3.065108181	2.49E-09
Global	Both	2015	0.978801653	4.868183612	-4.35E-09
Global	Male	2016	1.418718909	7.089252559	-1.31E-08
Global	Female	2016	0.585475327	3.046418769	3.50E-09
Global	Both	2016	0.966154861	4.79668381	-4.35E-09
Global	Male	2017	1.378411647	6.910631703	-1.04E-08
Global	Female	2017	0.576048884	2.995449725	2.96E-09
Global	Both	2017	0.94285726	4.75811263	-2.91E-09
Global	Male	2018	1.354109212	6.871509593	-1.16E-08
Global	Female	2018	0.569081598	2.910558775	3.82E-09
Global	Both	2018	0.928488831	4.660215009	-3.84E-09
Global	Male	2019	1.33358419	6.759595499	-8.86E-09
Global	Female	2019	0.560228298	2.880669403	3.11E-09
Global	Both	2019	0.914526359	4.647875398	-2.64E-09
Global	Male	2020	1.308866945	6.412868825	-9.99E-09
Global	Female	2020	0.551235088	2.831784936	2.96E-09
Global	Both	2020	0.898028164	4.448716608	-2.71E-09
Global	Male	2021	1.291620052	6.341305292	-8.08E-09
Global	Female	2021	0.546511503	2.794676729	3.67E-09
Global	Both	2021	0.886978911	4.369901489	-3.71E-09
High SDI	Male	1990	1.843793692	9.318249437	1.40E-08
High SDI	Female	1990	0.809231331	4.17174988	1.03E-08
High SDI	Both	1990	1.238019831	6.267948233	1.33E-08
High SDI	Male	1991	1.801128316	9.146509388	1.55E-08
High SDI	Female	1991	0.786943477	4.050350028	1.14E-08
High SDI	Both	1991	1.207958577	6.140482932	1.31E-08
High SDI	Male	1992	1.756714992	8.865351089	1.47E-08

Table S1 (continued)

Table S1 (continued)

Location_name	Sex_name	Year	Val	Upper	LV ower
High SDI	Female	1992	0.762543292	3.922207684	1.09E-08
High SDI	Both	1992	1.175862276	5.954466793	1.24E-08
High SDI	Male	1993	1.712152391	8.593318839	1.43E-08
High SDI	Female	1993	0.741259677	3.826176164	1.05E-08
High SDI	Both	1993	1.145640207	5.784648032	1.28E-08
High SDI	Male	1994	1.680808621	8.46553885	1.47E-08
High SDI	Female	1994	0.720006061	3.73717193	9.65E-09
High SDI	Both	1994	1.121231446	5.704811501	1.29E-08
High SDI	Male	1995	1.641812051	8.287310185	1.15E-08
High SDI	Female	1995	0.703263324	3.644632564	1.19E-08
High SDI	Both	1995	1.0951892	5.587008615	1.17E-08
High SDI	Male	1996	1.599040056	8.037810248	1.02E-08
High SDI	Female	1996	0.680639018	3.516321383	1.05E-08
High SDI	Both	1996	1.064705496	5.396141608	1.06E-08
High SDI	Male	1997	1.554470563	7.773945674	1.27E-08
High SDI	Female	1997	0.658117266	3.407053757	1.05E-08
High SDI	Both	1997	1.03347164	5.253899376	9.76E-09
High SDI	Male	1998	1.523161207	7.665940193	1.45E-08
High SDI	Female	1998	0.64258224	3.317325891	1.03E-08
High SDI	Both	1998	1.012593324	5.127639731	9.75E-09
High SDI	Male	1999	1.490006803	7.517192448	1.66E-08
High SDI	Female	1999	0.625587851	3.233088947	8.85E-09
High SDI	Both	1999	0.989537019	5.040529296	9.41E-09
High SDI	Male	2000	1.438636688	7.224741393	1.47E-08
High SDI	Female	2000	0.604131737	3.150793546	7.81E-09
High SDI	Both	2000	0.956312894	4.83828964	9.83E-09
High SDI	Male	2001	1.391459891	6.944231268	1.28E-08
High SDI	Female	2001	0.582893249	3.011170164	7.11E-09
High SDI	Both	2001	0.925162295	4.668582941	1.08E-08
High SDI	Male	2002	1.350109691	6.770234218	1.30E-08
High SDI	Female	2002	0.564091129	2.931728421	6.33E-09
High SDI	Both	2002	0.897585627	4.539024207	9.10E-09
High SDI	Male	2003	1.322883796	6.642145474	1.40E-08
High SDI	Female	2003	0.548482697	2.827325568	5.38E-09

Table S1 (continued)

Table S1 (continued)

Location_name	Sex_name	Year	Val	Upper	LV ower
High SDI	Both	2003	0.878143839	4.453642397	9.46E-09
High SDI	Male	2004	1.29125338	6.472674234	1.25E-08
High SDI	Female	2004	0.5358104	2.772170031	6.11E-09
High SDI	Both	2004	0.858319459	4.325658342	9.20E-09
High SDI	Male	2005	1.250893005	6.25859004	1.16E-08
High SDI	Female	2005	0.515923485	2.667459366	4.87E-09
High SDI	Both	2005	0.830851232	4.186292383	8.98E-09
High SDI	Male	2006	1.210923078	6.049389606	1.43E-08
High SDI	Female	2006	0.497723212	2.566596046	4.10E-09
High SDI	Both	2006	0.804551815	4.035311345	8.74E-09
High SDI	Male	2007	1.177619285	5.87235395	1.18E-08
High SDI	Female	2007	0.481348889	2.480580587	3.42E-09
High SDI	Both	2007	0.781513636	3.925917161	7.67E-09
High SDI	Male	2008	1.146953504	5.739617915	1.19E-08
High SDI	Female	2008	0.467146632	2.415047719	2.66E-09
High SDI	Both	2008	0.761255645	3.850684777	7.64E-09
High SDI	Male	2009	1.117754912	5.580426124	9.74E-09
High SDI	Female	2009	0.454557234	2.353462719	2.26E-09
High SDI	Both	2009	0.742304728	3.735961482	6.60E-09
High SDI	Male	2010	1.092477085	5.416663355	9.36E-09
High SDI	Female	2010	0.44251244	2.303916661	2.75E-09
High SDI	Both	2010	0.725400733	3.65916716	6.27E-09
High SDI	Male	2011	1.059388295	5.285115882	1.05E-08
High SDI	Female	2011	0.428961409	2.231603544	2.85E-09
High SDI	Both	2011	0.704080212	3.553036284	6.39E-09
High SDI	Male	2012	1.01805238	5.077740812	8.27E-09
High SDI	Female	2012	0.416114925	2.171533084	1.97E-09
High SDI	Both	2012	0.679648596	3.43386157	5.47E-09
High SDI	Male	2013	0.989443667	4.974262426	9.24E-09
High SDI	Female	2013	0.404054122	2.113654406	1.45E-09
High SDI	Both	2013	0.6608423	3.343534203	5.51E-09
High SDI	Male	2014	0.956153683	4.784917802	8.04E-09
High SDI	Female	2014	0.391810325	2.041208187	1.64E-09
High SDI	Both	2014	0.639986323	3.243321319	5.34E-09

Table S1 (continued)

Table S1 (continued)

Location_name	Sex_name	Year	Val	Upper	LV ower
High SDI	Male	2015	0.924626158	4.600008735	8.23E-09
High SDI	Female	2015	0.380246051	1.988203917	1.33E-09
High SDI	Both	2015	0.62038724	3.14947893	5.08E-09
High SDI	Male	2016	0.90004736	4.499886312	7.71E-09
High SDI	Female	2016	0.37318695	1.949381475	1.45E-09
High SDI	Both	2016	0.60624761	3.073807057	4.56E-09
High SDI	Male	2017	0.874793597	4.380319667	8.26E-09
High SDI	Female	2017	0.363125813	1.893068547	1.35E-09
High SDI	Both	2017	0.589868193	2.981428523	4.56E-09
High SDI	Male	2018	0.852878918	4.272282499	7.15E-09
High SDI	Female	2018	0.355452951	1.860596939	1.35E-09
High SDI	Both	2018	0.576391734	2.910473499	3.98E-09
High SDI	Male	2019	0.827216917	4.139912265	7.12E-09
High SDI	Female	2019	0.346450512	1.829631547	1.07E-09
High SDI	Both	2019	0.560296999	2.841736593	3.99E-09
High SDI	Male	2020	0.804997514	4.034562171	6.75E-09
High SDI	Female	2020	0.333863253	1.737099314	8.10E-10
High SDI	Both	2020	0.543583902	2.750855433	3.86E-09
High SDI	Male	2021	0.803174355	3.98213767	5.79E-09
High SDI	Female	2021	0.334562915	1.74916383	9.20E-10
High SDI	Both	2021	0.543428231	2.73319104	3.80E-09
Low SDI	Male	1990	1.043492339	5.492291032	3.55E-09
Low SDI	Female	1990	0.669300245	3.5522543	1.63E-09
Low SDI	Both	1990	0.85802062	4.475920749	2.45E-09
Low SDI	Male	1991	1.032180611	5.448119651	3.12E-09
Low SDI	Female	1991	0.662173466	3.533798366	1.64E-09
Low SDI	Both	1991	0.848850472	4.430708571	2.09E-09
Low SDI	Male	1992	1.023979475	5.398184712	2.76E-09
Low SDI	Female	1992	0.65936042	3.550317735	1.81E-09
Low SDI	Both	1992	0.843482604	4.435784761	2.19E-09
Low SDI	Male	1993	1.016920309	5.338341162	2.68E-09
Low SDI	Female	1993	0.652849078	3.491976499	1.66E-09
Low SDI	Both	1993	0.836820978	4.367811206	2.12E-09
Low SDI	Male	1994	1.020582549	5.258583289	2.80E-09

Table S1 (continued)

Table S1 (continued)

Location_name	Sex_name	Year	Val	Upper	LV ower
Low SDI	Female	1994	0.654794215	3.535102844	1.64E-09
Low SDI	Both	1994	0.839571008	4.393772237	2.11E-09
Low SDI	Male	1995	1.007393425	5.270010609	2.00E-09
Low SDI	Female	1995	0.652561295	3.503373764	1.80E-09
Low SDI	Both	1995	0.83184589	4.366558848	1.89E-09
Low SDI	Male	1996	0.996031457	5.192011424	2.04E-09
Low SDI	Female	1996	0.644903084	3.478208628	1.67E-09
Low SDI	Both	1996	0.822250308	4.323789223	1.74E-09
Low SDI	Male	1997	0.995122937	5.173975925	1.97E-09
Low SDI	Female	1997	0.634008678	3.439479606	1.53E-09
Low SDI	Both	1997	0.816318688	4.291154558	1.80E-09
Low SDI	Male	1998	0.990709571	5.237586387	1.55E-09
Low SDI	Female	1998	0.625936017	3.389103421	1.35E-09
Low SDI	Both	1998	0.809566852	4.255407707	1.65E-09
Low SDI	Male	1999	0.957575002	4.977859034	1.28E-09
Low SDI	Female	1999	0.612261682	3.323808831	1.20E-09
Low SDI	Both	1999	0.78539799	4.123459633	1.41E-09
Low SDI	Male	2000	0.939479728	4.951945734	1.60E-09
Low SDI	Female	2000	0.599866878	3.290204558	1.17E-09
Low SDI	Both	2000	0.769577289	4.052473067	1.48E-09
Low SDI	Male	2001	0.920278747	4.764112484	1.44E-09
Low SDI	Female	2001	0.590749082	3.257727537	1.22E-09
Low SDI	Both	2001	0.755200165	3.986025951	1.39E-09
Low SDI	Male	2002	0.902439826	4.703656075	1.54E-09
Low SDI	Female	2002	0.589561204	3.265175578	1.11E-09
Low SDI	Both	2002	0.745488887	3.936046387	1.23E-09
Low SDI	Male	2003	0.89741007	4.769275353	8.30E-10
Low SDI	Female	2003	0.584025693	3.229326834	1.13E-09
Low SDI	Both	2003	0.739793587	3.941371492	1.13E-09
Low SDI	Male	2004	0.877244908	4.569894972	8.80E-10
Low SDI	Female	2004	0.569226387	3.118953845	1.08E-09
Low SDI	Both	2004	0.722101237	3.810955065	1.00E-09
Low SDI	Male	2005	0.862378276	4.522830772	8.90E-10
Low SDI	Female	2005	0.562486078	3.05550758	1.02E-09

Table S1 (continued)

Table S1 (continued)

Location_name	Sex_name	Year	Val	Upper	LV ower
Low SDI	Both	2005	0.711155199	3.73921205	1.06E-09
Low SDI	Male	2006	0.852884233	4.439968667	8.50E-10
Low SDI	Female	2006	0.5571009	3.041148351	1.03E-09
Low SDI	Both	2006	0.703402684	3.672021321	9.80E-10
Low SDI	Male	2007	0.856939613	4.499003682	1.03E-09
Low SDI	Female	2007	0.549816783	3.013332079	1.01E-09
Low SDI	Both	2007	0.701489753	3.677209855	1.29E-09
Low SDI	Male	2008	0.847076292	4.436702994	1.03E-09
Low SDI	Female	2008	0.544191259	2.969586587	9.60E-10
Low SDI	Both	2008	0.693542131	3.613671974	1.16E-09
Low SDI	Male	2009	0.837754145	4.366802752	1.06E-09
Low SDI	Female	2009	0.536870189	2.944050133	9.70E-10
Low SDI	Both	2009	0.685140031	3.55977169	1.20E-09
Low SDI	Male	2010	0.845807895	4.368697312	1.05E-09
Low SDI	Female	2010	0.531918694	2.910803512	9.10E-10
Low SDI	Both	2010	0.686372259	3.573924931	1.10E-09
Low SDI	Male	2011	0.829266574	4.323830221	1.05E-09
Low SDI	Female	2011	0.52644721	2.875969545	8.60E-10
Low SDI	Both	2011	0.675125879	3.501843515	1.13E-09
Low SDI	Male	2012	0.812034645	4.189996897	1.12E-09
Low SDI	Female	2012	0.530894785	2.877938487	7.90E-10
Low SDI	Both	2012	0.668794317	3.451018816	1.05E-09
Low SDI	Male	2013	0.822449682	4.2551602	1.03E-09
Low SDI	Female	2013	0.537384981	2.941417206	8.20E-10
Low SDI	Both	2013	0.677058847	3.527831185	9.50E-10
Low SDI	Male	2014	0.817170688	4.26030211	8.10E-10
Low SDI	Female	2014	0.535263787	2.921698805	8.00E-10
Low SDI	Both	2014	0.672907519	3.505140918	8.40E-10
Low SDI	Male	2015	0.810471832	4.190475975	8.00E-10
Low SDI	Female	2015	0.528400347	2.901886301	7.20E-10
Low SDI	Both	2015	0.665810626	3.46931088	8.80E-10
Low SDI	Male	2016	0.793620966	4.097429336	7.40E-10
Low SDI	Female	2016	0.519612986	2.845319884	7.60E-10
Low SDI	Both	2016	0.652735084	3.390973837	8.60E-10

Table S1 (continued)

Table S1 (continued)

Location_name	Sex_name	Year	Val	Upper	LV ower
Low SDI	Male	2017	0.779521772	4.011436443	7.80E-10
Low SDI	Female	2017	0.513386946	2.749329195	6.40E-10
Low SDI	Both	2017	0.642533726	3.333619594	8.90E-10
Low SDI	Male	2018	0.759593554	3.922903112	7.20E-10
Low SDI	Female	2018	0.507811091	2.714452382	7.60E-10
Low SDI	Both	2018	0.630107992	3.2838147	9.80E-10
Low SDI	Male	2019	0.752430618	3.86795618	6.80E-10
Low SDI	Female	2019	0.499874579	2.668783215	7.40E-10
Low SDI	Both	2019	0.622432459	3.235930589	8.30E-10
Low SDI	Male	2020	0.743680341	3.848355482	6.40E-10
Low SDI	Female	2020	0.490830238	2.667285268	7.50E-10
Low SDI	Both	2020	0.613112404	3.203157808	8.50E-10
Low SDI	Male	2021	0.722917932	3.840407184	8.10E-10
Low SDI	Female	2021	0.484159702	2.629619585	7.90E-10
Low SDI	Both	2021	0.599124977	3.183005978	9.30E-10
Middle SDI	Male	1990	3.093867195	15.42374053	-1.03E-07
Middle SDI	Female	1990	1.572857299	7.94818713	-7.73E-09
Middle SDI	Both	1990	2.300669213	11.48277783	-3.72E-08
Middle SDI	Male	1991	3.037217134	15.40361716	-9.59E-08
Middle SDI	Female	1991	1.539269096	7.675455498	-5.40E-09
Middle SDI	Both	1991	2.256306696	11.42534568	-4.57E-08
Middle SDI	Male	1992	2.986911976	14.88877816	-9.67E-08
Middle SDI	Female	1992	1.502502884	7.451120756	-1.05E-08
Middle SDI	Both	1992	2.212845338	10.92625496	-3.93E-08
Middle SDI	Male	1993	2.926484434	14.58348459	-6.39E-08
Middle SDI	Female	1993	1.477776759	7.332020188	-6.32E-09
Middle SDI	Both	1993	2.170949224	10.85056093	-3.49E-08
Middle SDI	Male	1994	2.872276739	14.46211221	-7.44E-08
Middle SDI	Female	1994	1.439061627	7.235589054	-7.04E-09
Middle SDI	Both	1994	2.124883091	10.64902552	-3.25E-08
Middle SDI	Male	1995	2.821839829	14.17367861	-5.31E-08
Middle SDI	Female	1995	1.409076258	6.973573241	-4.32E-09
Middle SDI	Both	1995	2.084862595	10.4405233	-3.11E-08
Middle SDI	Male	1996	2.775077353	13.74884293	-4.73E-08

Table S1 (continued)

Table S1 (continued)

Location_name	Sex_name	Year	Val	Upper	LV ower
Middle SDI	Female	1996	1.365041232	6.76568907	-2.05E-09
Middle SDI	Both	1996	2.038498892	10.08594489	-2.79E-08
Middle SDI	Male	1997	2.713275082	13.53777119	-4.99E-08
Middle SDI	Female	1997	1.310367805	6.438349057	9.48E-09
Middle SDI	Both	1997	1.978906992	9.783012662	-1.92E-08
Middle SDI	Male	1998	2.681208323	13.24593735	-6.72E-08
Middle SDI	Female	1998	1.272441198	6.194344889	1.25E-08
Middle SDI	Both	1998	1.942584122	9.629785216	-1.98E-08
Middle SDI	Male	1999	2.657242411	13.46636825	-4.55E-08
Middle SDI	Female	1999	1.252307502	6.171309115	1.01E-08
Middle SDI	Both	1999	1.919813633	9.566065643	-1.09E-08
Middle SDI	Male	2000	2.628829274	13.17977264	-4.17E-08
Middle SDI	Female	2000	1.224800255	6.286254825	8.01E-09
Middle SDI	Both	2000	1.889945616	9.352693931	-1.12E-08
Middle SDI	Male	2001	2.643145337	13.02769405	-3.93E-08
Middle SDI	Female	2001	1.206147427	5.977205366	9.69E-09
Middle SDI	Both	2001	1.886223874	9.290607934	-1.07E-08
Middle SDI	Male	2002	2.616438272	12.90381975	-3.69E-08
Middle SDI	Female	2002	1.191298744	5.88762667	1.16E-08
Middle SDI	Both	2002	1.865403492	9.177261176	-6.38E-09
Middle SDI	Male	2003	2.626449302	13.00280971	-3.42E-08
Middle SDI	Female	2003	1.171698119	5.860334271	1.17E-08
Middle SDI	Both	2003	1.858199208	9.16342971	-5.24E-09
Middle SDI	Male	2004	2.623100541	12.89790088	-2.51E-08
Middle SDI	Female	2004	1.152033529	5.815609614	1.12E-08
Middle SDI	Both	2004	1.846003333	9.060167026	4.00E-10
Middle SDI	Male	2005	2.534645965	12.45420564	-2.15E-08
Middle SDI	Female	2005	1.09428632	5.421661729	1.11E-08
Middle SDI	Both	2005	1.773629274	8.683240449	4.83E-09
Middle SDI	Male	2006	2.353308387	11.61706334	-1.19E-08
Middle SDI	Female	2006	1.006777985	5.10599598	6.82E-09
Middle SDI	Both	2006	1.642087587	8.128352698	7.38E-09
Middle SDI	Male	2007	2.254596995	11.21519282	-1.98E-08
Middle SDI	Female	2007	0.95473228	4.724992903	2.30E-09

Table S1 (continued)

Table S1 (continued)

Location_name	Sex_name	Year	Val	Upper	LV ower
Middle SDI	Both	2007	1.567223937	7.712871197	4.32E-09
Middle SDI	Male	2008	2.239656203	11.12813595	-3.00E-08
Middle SDI	Female	2008	0.921349434	4.648730216	2.22E-09
Middle SDI	Both	2008	1.541825025	7.669552216	7.86E-09
Middle SDI	Male	2009	2.197979278	11.02204349	-2.70E-08
Middle SDI	Female	2009	0.901273619	4.526018898	-6.80E-10
Middle SDI	Both	2009	1.510013953	7.520567482	5.72E-09
Middle SDI	Male	2010	2.152180687	10.62097106	-2.61E-08
Middle SDI	Female	2010	0.875059927	4.413591737	-4.00E-10
Middle SDI	Both	2010	1.473632959	7.35712436	-6.81E-09
Middle SDI	Male	2011	2.074928752	10.21211317	-3.62E-08
Middle SDI	Female	2011	0.831558089	4.147088582	3.00E-11
Middle SDI	Both	2011	1.414230708	6.878092025	-3.03E-09
Middle SDI	Male	2012	2.014472689	9.935519322	-3.34E-08
Middle SDI	Female	2012	0.79882694	4.002110612	3.80E-10
Middle SDI	Both	2012	1.368073777	6.816273211	-5.42E-09
Middle SDI	Male	2013	1.947212082	9.542402904	-2.70E-08
Middle SDI	Female	2013	0.766415833	3.880435048	1.35E-09
Middle SDI	Both	2013	1.318367902	6.487038446	-7.32E-09
Middle SDI	Male	2014	1.888838905	9.494931567	-2.59E-08
Middle SDI	Female	2014	0.737314648	3.713677491	5.09E-09
Middle SDI	Both	2014	1.274996506	6.495503146	-6.02E-09
Middle SDI	Male	2015	1.815957202	9.036972881	-3.66E-08
Middle SDI	Female	2015	0.722911988	3.733389943	5.78E-09
Middle SDI	Both	2015	1.232425928	6.079451189	-1.35E-08
Middle SDI	Male	2016	1.800318974	9.0348773	-3.37E-08
Middle SDI	Female	2016	0.71293085	3.633552202	5.80E-09
Middle SDI	Both	2016	1.219181436	5.967458519	-1.25E-08
Middle SDI	Male	2017	1.740728469	8.816120941	-2.19E-08
Middle SDI	Female	2017	0.702596926	3.584777206	5.11E-09
Middle SDI	Both	2017	1.185867075	5.966088917	-9.16E-09
Middle SDI	Male	2018	1.695738422	8.523898445	-2.11E-08
Middle SDI	Female	2018	0.693522477	3.509408809	5.17E-09
Middle SDI	Both	2018	1.160130497	5.73450968	-7.23E-09

Table S1 (continued)

Table S1 (continued)

Location_name	Sex_name	Year	Val	Upper	LV ower
Middle SDI	Male	2019	1.675668144	8.652996753	-1.41E-08
Middle SDI	Female	2019	0.685121958	3.52093159	5.53E-09
Middle SDI	Both	2019	1.145976584	5.854719404	-5.54E-09
Middle SDI	Male	2020	1.641861222	8.203666539	-8.69E-09
Middle SDI	Female	2020	0.676525969	3.457076903	5.64E-09
Middle SDI	Both	2020	1.124775908	5.465682323	-1.02E-09
Middle SDI	Male	2021	1.61626328	8.119582221	-1.64E-08
Middle SDI	Female	2021	0.667273524	3.402114813	5.26E-09
Middle SDI	Both	2021	1.106505721	5.430498891	-1.14E-09
High-middle SDI	Male	1990	3.720319019	18.88455709	-1.08E-07
High-middle SDI	Female	1990	1.491831053	7.673145961	-7.28E-09
High-middle SDI	Both	1990	2.442340962	12.40822379	-5.17E-08
High-middle SDI	Male	1991	3.617551047	18.37197595	-1.16E-07
High-middle SDI	Female	1991	1.449190354	7.362723151	-4.95E-09
High-middle SDI	Both	1991	2.376656623	11.99805772	-4.77E-08
High-middle SDI	Male	1992	3.568399771	17.73044195	-1.16E-07
High-middle SDI	Female	1992	1.400923898	7.160529266	-8.95E-09
High-middle SDI	Both	1992	2.330557639	11.59319604	-4.58E-08
High-middle SDI	Male	1993	3.483270228	17.48990744	-9.41E-08
High-middle SDI	Female	1993	1.390757088	7.176404059	-8.40E-09
High-middle SDI	Both	1993	2.290209742	11.60921859	-3.72E-08
High-middle SDI	Male	1994	3.400937583	17.21592113	-1.01E-07
High-middle SDI	Female	1994	1.355117782	6.989296534	-9.70E-10
High-middle SDI	Both	1994	2.236127625	11.35511355	-3.16E-08
High-middle SDI	Male	1995	3.314741042	16.56112728	-9.07E-08
High-middle SDI	Female	1995	1.311468332	6.695221988	2.60E-09
High-middle SDI	Both	1995	2.175010209	10.99584088	-3.14E-08
High-middle SDI	Male	1996	3.197921093	15.93645763	-9.12E-08
High-middle SDI	Female	1996	1.263131962	6.490430024	3.73E-09
High-middle SDI	Both	1996	2.098346602	10.53190173	-2.51E-08
High-middle SDI	Male	1997	3.107948986	15.66898267	-7.60E-08
High-middle SDI	Female	1997	1.228231975	6.27710246	6.43E-09
High-middle SDI	Both	1997	2.040933733	10.18114857	-2.07E-08
High-middle SDI	Male	1998	3.057072336	15.29108488	-6.82E-08

Table S1 (continued)

Table S1 (continued)

Location_name	Sex_name	Year	Val	Upper	LV ower
High-middle SDI	Female	1998	1.200283741	6.170771415	6.96E-09
High-middle SDI	Both	1998	2.004083525	10.03833933	-2.08E-08
High-middle SDI	Male	1999	3.054579714	15.38979949	-5.89E-08
High-middle SDI	Female	1999	1.19626992	6.072398143	7.37E-09
High-middle SDI	Both	1999	2.00196286	10.04409774	-1.96E-08
High-middle SDI	Male	2000	3.053698634	15.00887606	-6.76E-08
High-middle SDI	Female	2000	1.189933881	6.156869819	4.63E-09
High-middle SDI	Both	2000	1.998338876	9.949523283	-2.89E-08
High-middle SDI	Male	2001	3.058173574	15.32143723	-7.17E-08
High-middle SDI	Female	2001	1.169867895	5.980917881	3.30E-09
High-middle SDI	Both	2001	1.989038956	9.995751399	-2.73E-08
High-middle SDI	Male	2002	3.017851202	14.83880469	-7.31E-08
High-middle SDI	Female	2002	1.150440768	5.849898437	5.00E-09
High-middle SDI	Both	2002	1.960904339	9.760097736	-2.47E-08
High-middle SDI	Male	2003	3.007824795	14.95836553	-6.47E-08
High-middle SDI	Female	2003	1.14071741	5.931093158	7.12E-09
High-middle SDI	Both	2003	1.948878852	9.867842592	-2.63E-08
High-middle SDI	Male	2004	3.009111957	15.03054207	-6.20E-08
High-middle SDI	Female	2004	1.12514585	5.825247119	9.69E-09
High-middle SDI	Both	2004	1.941313682	9.722226067	-2.36E-08
High-middle SDI	Male	2005	2.914713221	14.58698405	-5.48E-08
High-middle SDI	Female	2005	1.083766549	5.53694744	8.43E-09
High-middle SDI	Both	2005	1.877866546	9.379624522	-2.60E-08
High-middle SDI	Male	2006	2.718467566	13.61485612	-6.12E-08
High-middle SDI	Female	2006	1.010370113	5.125874266	7.46E-09
High-middle SDI	Both	2006	1.752881986	8.827893268	-2.89E-08
High-middle SDI	Male	2007	2.580891958	12.9224402	-5.79E-08
High-middle SDI	Female	2007	0.963048671	4.922858088	8.87E-09
High-middle SDI	Both	2007	1.666435126	8.337678665	-2.74E-08
High-middle SDI	Male	2008	2.519220983	12.83011486	-4.68E-08
High-middle SDI	Female	2008	0.92287483	4.742035608	9.32E-09
High-middle SDI	Both	2008	1.618850225	8.260013036	-2.29E-08
High-middle SDI	Male	2009	2.451511842	12.34360801	-4.59E-08
High-middle SDI	Female	2009	0.891854171	4.606931806	7.74E-09

Table S1 (continued)

Table S1 (continued)

Location_name	Sex_name	Year	Val	Upper	LV ower
High-middle SDI	Both	2009	1.572247863	7.898797792	-1.70E-08
High-middle SDI	Male	2010	2.396156677	12.10373319	-4.65E-08
High-middle SDI	Female	2010	0.86278041	4.498511563	7.69E-09
High-middle SDI	Both	2010	1.532890112	7.802656522	-8.25E-09
High-middle SDI	Male	2011	2.314472051	11.41891025	-4.82E-08
High-middle SDI	Female	2011	0.818360336	4.228859511	9.78E-09
High-middle SDI	Both	2011	1.473964909	7.329321809	-2.16E-08
High-middle SDI	Male	2012	2.261029586	11.4481061	-4.66E-08
High-middle SDI	Female	2012	0.787637792	4.084586858	1.04E-08
High-middle SDI	Both	2012	1.434448749	7.256136121	-1.68E-08
High-middle SDI	Male	2013	2.186751375	10.84921538	-3.31E-08
High-middle SDI	Female	2013	0.755601991	3.891928467	4.90E-10
High-middle SDI	Both	2013	1.384221638	6.906521698	-1.86E-08
High-middle SDI	Male	2014	2.10751283	10.41959071	-2.91E-08
High-middle SDI	Female	2014	0.730646706	3.797154918	-4.90E-10
High-middle SDI	Both	2014	1.336271853	6.689188789	-1.61E-08
High-middle SDI	Male	2015	2.042108637	10.07400978	-2.45E-08
High-middle SDI	Female	2015	0.722105007	3.785925057	5.90E-10
High-middle SDI	Both	2015	1.303102375	6.432655871	-1.48E-08
High-middle SDI	Male	2016	2.01818558	10.18998045	-2.73E-08
High-middle SDI	Female	2016	0.709115595	3.691464331	2.69E-09
High-middle SDI	Both	2016	1.286117728	6.436282375	-1.46E-08
High-middle SDI	Male	2017	1.951851556	9.943234469	-3.06E-08
High-middle SDI	Female	2017	0.694843292	3.636626844	4.70E-10
High-middle SDI	Both	2017	1.249508166	6.344855213	-1.42E-08
High-middle SDI	Male	2018	1.930425179	9.89162497	-4.09E-08
High-middle SDI	Female	2018	0.686045731	3.477645532	1.49E-09
High-middle SDI	Both	2018	1.236477098	6.221735271	-1.50E-08
High-middle SDI	Male	2019	1.898213071	9.858956947	-3.01E-08
High-middle SDI	Female	2019	0.676109955	3.507202931	2.84E-09
High-middle SDI	Both	2019	1.217406957	6.325382694	-8.79E-09
High-middle SDI	Male	2020	1.86743111	9.313053991	-3.69E-08
High-middle SDI	Female	2020	0.670312685	3.420404641	2.59E-09
High-middle SDI	Both	2020	1.200792073	5.957107531	-1.19E-08

Table S1 (continued)

Table S1 (continued)

Location_name	Sex_name	Year	Val	Upper	LV ower
High-middle SDI	Male	2021	1.833514644	9.016390465	−3.54E−08
High-middle SDI	Female	2021	0.666172755	3.394398813	3.13E−09
High-middle SDI	Both	2021	1.183928217	5.791453622	−1.29E−08
Low-middle SDI	Male	1990	1.024050083	5.167754881	1.20E−10
Low-middle SDI	Female	1990	0.603072502	3.066561225	2.39E−09
Low-middle SDI	Both	1990	0.81598672	4.114897422	1.92E−09
Low-middle SDI	Male	1991	1.01462246	5.155283127	−3.10E−10
Low-middle SDI	Female	1991	0.59544628	3.036786624	2.20E−09
Low-middle SDI	Both	1991	0.807166312	4.080014727	8.00E−11
Low-middle SDI	Male	1992	1.011941963	5.079477174	3.80E−10
Low-middle SDI	Female	1992	0.597437756	3.031638824	1.57E−09
Low-middle SDI	Both	1992	0.806600172	4.065621211	−1.00E−11
Low-middle SDI	Male	1993	1.00142136	5.07321034	8.20E−10
Low-middle SDI	Female	1993	0.587470817	2.98263514	1.52E−09
Low-middle SDI	Both	1993	0.796025909	4.046114268	1.31E−09
Low-middle SDI	Male	1994	0.99182192	5.039223323	1.51E−09
Low-middle SDI	Female	1994	0.583556879	2.99535168	1.98E−09
Low-middle SDI	Both	1994	0.788878419	4.007181949	1.68E−09
Low-middle SDI	Male	1995	0.981319368	5.050325522	1.94E−09
Low-middle SDI	Female	1995	0.58083861	3.000399094	2.05E−09
Low-middle SDI	Both	1995	0.781954519	4.00587584	1.78E−09
Low-middle SDI	Male	1996	0.978569237	4.971932904	1.62E−09
Low-middle SDI	Female	1996	0.575975566	2.986054674	1.72E−09
Low-middle SDI	Both	1996	0.777804658	3.98620695	1.82E−09
Low-middle SDI	Male	1997	0.978817275	4.980798835	2.90E−10
Low-middle SDI	Female	1997	0.57037203	2.910813641	1.91E−09
Low-middle SDI	Both	1997	0.774539595	3.983606951	2.25E−09
Low-middle SDI	Male	1998	0.977171773	4.968203717	2.90E−10
Low-middle SDI	Female	1998	0.569351929	2.899929028	1.96E−09
Low-middle SDI	Both	1998	0.772659632	3.978427728	2.17E−09
Low-middle SDI	Male	1999	0.95223194	4.752749912	−1.27E−09
Low-middle SDI	Female	1999	0.558156693	2.824679566	2.03E−09
Low-middle SDI	Both	1999	0.754133512	3.831903304	1.06E−09
Low-middle SDI	Male	2000	0.948974989	4.752229222	−9.50E−10

Table S1 (continued)

Table S1 (continued)

Location_name	Sex_name	Year	Val	Upper	LV ower
Low-middle SDI	Female	2000	0.548387123	2.787429971	2.18E-09
Low-middle SDI	Both	2000	0.747020704	3.800224584	8.40E-10
Low-middle SDI	Male	2001	0.945660177	4.812438209	-1.72E-09
Low-middle SDI	Female	2001	0.540848543	2.771723195	2.05E-09
Low-middle SDI	Both	2001	0.740936518	3.824366901	1.33E-09
Low-middle SDI	Male	2002	0.935780185	4.714082298	-2.02E-09
Low-middle SDI	Female	2002	0.541926538	2.754896861	2.16E-09
Low-middle SDI	Both	2002	0.73604516	3.775020072	1.57E-09
Low-middle SDI	Male	2003	0.93618245	4.793302348	-8.80E-10
Low-middle SDI	Female	2003	0.53699544	2.768763625	1.77E-09
Low-middle SDI	Both	2003	0.733170488	3.800446503	1.91E-09
Low-middle SDI	Male	2004	0.919977055	4.701654829	-8.60E-10
Low-middle SDI	Female	2004	0.52605692	2.708769711	1.73E-09
Low-middle SDI	Both	2004	0.719107204	3.709297123	2.09E-09
Low-middle SDI	Male	2005	0.912198287	4.680697892	-1.06E-09
Low-middle SDI	Female	2005	0.525067949	2.673125981	1.67E-09
Low-middle SDI	Both	2005	0.714473226	3.698936886	2.02E-09
Low-middle SDI	Male	2006	0.908866514	4.631300906	-5.20E-10
Low-middle SDI	Female	2006	0.522817714	2.686896286	1.77E-09
Low-middle SDI	Both	2006	0.71134911	3.649942585	1.73E-09
Low-middle SDI	Male	2007	0.921510732	4.76146604	-2.50E-10
Low-middle SDI	Female	2007	0.52271091	2.679416527	1.81E-09
Low-middle SDI	Both	2007	0.717054487	3.715993177	2.09E-09
Low-middle SDI	Male	2008	0.918925307	4.759133062	6.00E-11
Low-middle SDI	Female	2008	0.513572787	2.627409025	1.95E-09
Low-middle SDI	Both	2008	0.710734352	3.683565843	1.47E-09
Low-middle SDI	Male	2009	0.907007183	4.652544457	4.50E-10
Low-middle SDI	Female	2009	0.504388689	2.57207415	2.29E-09
Low-middle SDI	Both	2009	0.699810521	3.630474928	1.75E-09
Low-middle SDI	Male	2010	0.909019835	4.639743056	5.00E-11
Low-middle SDI	Female	2010	0.500687524	2.547662337	1.62E-09
Low-middle SDI	Both	2010	0.698387596	3.610652836	1.69E-09
Low-middle SDI	Male	2011	0.890014513	4.516881629	8.00E-11
Low-middle SDI	Female	2011	0.489266041	2.509684483	1.79E-09

Table S1 (continued)

Table S1 (continued)

Location_name	Sex_name	Year	Val	Upper	LV ower
Low-middle SDI	Both	2011	0.682964288	3.514533926	1.29E-09
Low-middle SDI	Male	2012	0.864869408	4.348786136	1.19E-09
Low-middle SDI	Female	2012	0.484798777	2.495142318	1.15E-09
Low-middle SDI	Both	2012	0.66822236	3.412126827	1.83E-09
Low-middle SDI	Male	2013	0.866468289	4.385117721	1.60E-09
Low-middle SDI	Female	2013	0.486926512	2.506014023	1.24E-09
Low-middle SDI	Both	2013	0.66925851	3.451634324	2.03E-09
Low-middle SDI	Male	2014	0.861812866	4.309319302	6.30E-10
Low-middle SDI	Female	2014	0.480939717	2.461906005	1.41E-09
Low-middle SDI	Both	2014	0.663052589	3.389797253	1.85E-09
Low-middle SDI	Male	2015	0.83919492	4.219247562	1.01E-09
Low-middle SDI	Female	2015	0.478597151	2.463862768	1.38E-09
Low-middle SDI	Both	2015	0.65088503	3.302590293	8.00E-10
Low-middle SDI	Male	2016	0.824612583	4.149188097	8.30E-10
Low-middle SDI	Female	2016	0.473137945	2.408947262	1.30E-09
Low-middle SDI	Both	2016	0.641059048	3.251594636	1.38E-09
Low-middle SDI	Male	2017	0.814263783	4.121015358	1.16E-09
Low-middle SDI	Female	2017	0.466761525	2.372705141	1.31E-09
Low-middle SDI	Both	2017	0.632706015	3.215556506	1.37E-09
Low-middle SDI	Male	2018	0.81244054	4.112606169	1.36E-09
Low-middle SDI	Female	2018	0.463408755	2.348114276	1.22E-09
Low-middle SDI	Both	2018	0.630061154	3.211323215	1.35E-09
Low-middle SDI	Male	2019	0.804517889	4.133481284	7.90E-10
Low-middle SDI	Female	2019	0.453066623	2.316058923	1.12E-09
Low-middle SDI	Both	2019	0.620738824	3.19833316	1.20E-09
Low-middle SDI	Male	2020	0.789336219	3.951665896	1.14E-09
Low-middle SDI	Female	2020	0.441239837	2.271579566	1.02E-09
Low-middle SDI	Both	2020	0.606883363	3.085813069	1.46E-09
Low-middle SDI	Male	2021	0.773125466	3.852298212	1.21E-09
Low-middle SDI	Female	2021	0.428644338	2.222384843	1.06E-09
Low-middle SDI	Both	2021	0.59183283	3.004148774	1.02E-09

Table S2 Age-standardized DALYs rate of high sodium intake-attributed gastric cancer in SDI and GBD regions from 1990 to 2021

Location_name	Sex_name	Year	Val	Upper	Lower
Global	Male	1990	62.20099884	314.7111456	−1.69084E−06
Global	Female	1990	28.71484367	146.1807201	−8.03E−08
Global	Both	1990	44.53151219	222.305499	−7.45E−07
Global	Male	1991	60.80636038	308.2678809	−1.57223E−06
Global	Female	1991	27.98929934	141.6967574	−3.98E−08
Global	Both	1991	43.50742339	217.966062	−7.38E−07
Global	Male	1992	59.76080876	297.8988054	−1.67015E−06
Global	Female	1992	27.22208891	137.0370247	−1.46E−08
Global	Both	1992	42.62158657	211.8338666	−7.37E−07
Global	Male	1993	58.37459924	291.7983764	−1.32346E−06
Global	Female	1993	26.76116993	136.7517531	−3.22E−08
Global	Both	1993	41.73342193	207.9949037	−6.67E−07
Global	Male	1994	57.16246727	285.7688148	−1.16101E−06
Global	Female	1994	26.08147561	131.9603414	9.72E−09
Global	Both	1994	40.81029082	204.7548998	−6.28E−07
Global	Male	1995	55.81994968	280.8683123	−1.24789E−06
Global	Female	1995	25.41492457	127.6086536	3.87E−08
Global	Both	1995	39.82352281	200.5424454	−5.87E−07
Global	Male	1996	54.33148604	269.8352772	−8.83E−07
Global	Female	1996	24.58227282	125.3713648	1.18E−07
Global	Both	1996	38.67933638	192.9827014	−5.13E−07
Global	Male	1997	52.89627512	265.8756892	−8.75E−07
Global	Female	1997	23.77433244	118.4296201	1.56E−07
Global	Both	1997	37.57108103	185.8107334	−3.80E−07
Global	Male	1998	51.9910677	259.0379765	−8.20E−07
Global	Female	1998	23.18733678	116.3807331	1.85E−07
Global	Both	1998	36.83411726	183.5095234	−2.83E−07
Global	Male	1999	51.37414333	258.9079093	−7.90E−07
Global	Female	1999	22.85414264	113.1342301	1.88E−07
Global	Both	1999	36.37053375	183.1537838	−2.85E−07
Global	Male	2000	50.55937122	251.5245556	−9.16E−07
Global	Female	2000	22.38563701	114.4938245	1.19E−07
Global	Both	2000	35.73264758	179.0044774	−3.72E−07
Global	Male	2001	50.18548028	250.0727639	−8.83E−07
Global	Female	2001	21.87350021	108.8961259	7.88E−08

Table S2 (*continued*)

Table S2 (continued)

Location_name	Sex_name	Year	Val	Upper	Lower
Global	Both	2001	35.28705068	175.8351069	-3.73E-07
Global	Male	2002	49.28952775	241.8962226	-1.01573E-06
Global	Female	2002	21.47333213	108.1755933	5.35E-08
Global	Both	2002	34.65089727	171.0045428	-3.52E-07
Global	Male	2003	48.77210492	242.7699692	-8.72E-07
Global	Female	2003	21.04193244	107.0012614	9.48E-08
Global	Both	2003	34.16880591	171.1712437	-3.30E-07
Global	Male	2004	48.32388698	239.263383	-7.34E-07
Global	Female	2004	20.58536287	104.9539003	1.26E-07
Global	Both	2004	33.7186912	167.0305873	-2.16E-07
Global	Male	2005	46.80970388	232.2667895	-8.59E-07
Global	Female	2005	19.76562289	99.54708887	1.34E-07
Global	Both	2005	32.57460728	161.0256405	-2.40E-07
Global	Male	2006	44.24723661	221.237392	-7.39E-07
Global	Female	2006	18.65675784	94.93470006	7.22E-08
Global	Both	2006	30.78403865	152.6632441	-3.03E-07
Global	Male	2007	42.5241713	213.5056478	-7.07E-07
Global	Female	2007	17.88693124	89.94792989	5.70E-08
Global	Both	2007	29.56043959	147.0480418	-2.57E-07
Global	Male	2008	41.69237779	207.0137875	-5.25E-07
Global	Female	2008	17.1912112	87.86381259	6.80E-08
Global	Both	2008	28.80292158	144.5367659	-2.53E-07
Global	Male	2009	40.48973769	201.7739054	-6.25E-07
Global	Female	2009	16.67713715	84.71448139	8.28E-08
Global	Both	2009	27.95301138	138.8510652	-2.50E-07
Global	Male	2010	39.5574136	198.0469614	-7.74E-07
Global	Female	2010	16.18948119	82.92438871	4.16E-08
Global	Both	2010	27.25063125	136.6207691	-2.19E-07
Global	Male	2011	38.25425418	188.3807268	-5.97E-07
Global	Female	2011	15.47122913	78.27571467	5.22E-08
Global	Both	2011	26.25893437	129.9204383	-2.29E-07
Global	Male	2012	37.17303493	187.0213164	-4.63E-07
Global	Female	2012	15.00705023	76.44705464	5.00E-08
Global	Both	2012	25.50535851	128.0312616	-2.64E-07

Table S2 (continued)

Table S2 (continued)

Location_name	Sex_name	Year	Val	Upper	Lower
Global	Male	2013	35.96388477	177.476304	-3.90E-07
Global	Female	2013	14.52042812	74.01290604	3.62E-08
Global	Both	2013	24.6696721	122.6334241	-2.18E-07
Global	Male	2014	34.796876	174.1014358	-4.24E-07
Global	Female	2014	14.05046151	71.92218773	2.97E-08
Global	Both	2014	23.86665501	119.3237053	-2.33E-07
Global	Male	2015	33.60354598	165.9922875	-2.91E-07
Global	Female	2015	13.8405	71.21742006	4.99E-08
Global	Both	2015	23.18967385	115.3855146	-1.64E-07
Global	Male	2016	33.12368058	166.3999512	-2.85E-07
Global	Female	2016	13.62827912	70.57445036	8.38E-08
Global	Both	2016	22.85312342	112.8855982	-1.73E-07
Global	Male	2017	32.1314746	161.4124273	-3.26E-07
Global	Female	2017	13.37981784	68.71675735	6.08E-08
Global	Both	2017	22.25499855	111.9152383	-1.76E-07
Global	Male	2018	31.55494731	159.7524384	-4.47E-07
Global	Female	2018	13.18577186	66.93282092	7.33E-08
Global	Both	2018	21.88571983	109.9344773	-1.90E-07
Global	Male	2019	31.03253356	157.019422	-3.79E-07
Global	Female	2019	12.94773834	66.78007979	6.84E-08
Global	Both	2019	21.51552115	108.248505	-1.02E-07
Global	Male	2020	30.37322877	149.5437657	-3.85E-07
Global	Female	2020	12.73544472	64.86707012	6.19E-08
Global	Both	2020	21.08517376	104.2098418	-5.25E-08
Global	Male	2021	29.89973532	146.6483108	-3.81E-07
Global	Female	2021	12.60729775	64.62433425	8.49E-08
Global	Both	2021	20.78274884	102.3784776	-4.68E-08
High-middle SDI	Male	1990	95.56826685	484.2737705	-3.45095E-06
High-middle SDI	Female	1990	37.31616035	191.6692178	-2.96E-07
High-middle SDI	Both	1990	63.59972102	322.9646803	-1.77448E-06
High-middle SDI	Male	1991	92.87648803	469.5269875	-3.53035E-06
High-middle SDI	Female	1991	36.17960972	183.1868293	-2.50E-07
High-middle SDI	Both	1991	61.83244064	311.772828	-1.70665E-06
High-middle SDI	Male	1992	91.59217882	453.5530186	-3.80998E-06

Table S2 (continued)

Table S2 (continued)

Location_name	Sex_name	Year	Val	Upper	Lower
High-middle SDI	Female	1992	34.90165498	176.8188244	-3.02E-07
High-middle SDI	Both	1992	60.61403392	299.8095818	-0.000001931
High-middle SDI	Male	1993	89.35466144	444.959935	-3.27967E-06
High-middle SDI	Female	1993	34.73321893	180.1735566	-2.31E-07
High-middle SDI	Both	1993	59.54968414	299.0460906	-1.49052E-06
High-middle SDI	Male	1994	87.1847573	439.3317934	-3.53176E-06
High-middle SDI	Female	1994	33.90849816	173.9491404	-2.78E-07
High-middle SDI	Both	1994	58.15332687	293.7982212	-1.33665E-06
High-middle SDI	Male	1995	84.74997232	422.5243015	-3.30319E-06
High-middle SDI	Female	1995	32.78831649	165.7348581	-1.75E-07
High-middle SDI	Both	1995	56.4572427	285.0883372	-1.35733E-06
High-middle SDI	Male	1996	81.48922549	405.8872409	-3.2399E-06
High-middle SDI	Female	1996	31.46073283	161.4125724	-1.35E-07
High-middle SDI	Both	1996	54.27458073	272.0597472	-1.27804E-06
High-middle SDI	Male	1997	78.90215317	397.0388969	-2.79048E-06
High-middle SDI	Female	1997	30.43505411	154.0031563	-1.60E-08
High-middle SDI	Both	1997	52.56246809	262.0798671	-1.05524E-06
High-middle SDI	Male	1998	77.31547835	386.3269977	-2.32909E-06
High-middle SDI	Female	1998	29.64626275	150.9063791	-9.83E-08
High-middle SDI	Both	1998	51.43238844	258.1133654	-8.74E-07
High-middle SDI	Male	1999	77.06735173	386.5480725	-2.27121E-06
High-middle SDI	Female	1999	29.53625634	147.8804141	-1.03E-07
High-middle SDI	Both	1999	51.28952804	257.1067048	-8.38E-07
High-middle SDI	Male	2000	76.63586477	374.3122236	-2.60415E-06
High-middle SDI	Female	2000	29.26961089	150.977818	-1.44E-07
High-middle SDI	Both	2000	50.95431096	251.852783	-1.12887E-06
High-middle SDI	Male	2001	76.45489959	383.4244965	-2.56069E-06
High-middle SDI	Female	2001	28.71034293	145.6628342	-7.72E-08
High-middle SDI	Both	2001	50.57697203	254.2366224	-1.09864E-06
High-middle SDI	Male	2002	75.19633093	370.3180544	-2.85669E-06
High-middle SDI	Female	2002	28.18365639	142.1657101	-1.40E-07
High-middle SDI	Both	2002	49.72063924	246.2845521	-1.24838E-06
High-middle SDI	Male	2003	74.23421892	366.6904723	-2.86059E-06
High-middle SDI	Female	2003	27.78537785	142.9667941	5.06E-08

Table S2 (continued)

Table S2 (continued)

Location_name	Sex_name	Year	Val	Upper	Lower
High-middle SDI	Both	2003	49.0337484	247.0712004	-1.06739E-06
High-middle SDI	Male	2004	73.91408639	365.6585855	-2.54601E-06
High-middle SDI	Female	2004	27.27286855	140.556763	9.86E-08
High-middle SDI	Both	2004	48.61571897	241.8805111	-9.41E-07
High-middle SDI	Male	2005	71.38498961	355.6294863	-2.40816E-06
High-middle SDI	Female	2005	26.17200355	132.172327	7.97E-08
High-middle SDI	Both	2005	46.87512736	233.7713868	-9.38E-07
High-middle SDI	Male	2006	66.59084231	334.2431757	-2.37772E-06
High-middle SDI	Female	2006	24.39148928	123.3451404	-8.48E-09
High-middle SDI	Both	2006	43.74312175	218.3079239	-1.09553E-06
High-middle SDI	Male	2007	62.99140459	314.6180584	-2.31476E-06
High-middle SDI	Female	2007	23.18729487	117.1307471	9.51E-08
High-middle SDI	Both	2007	41.44870057	205.9143141	-9.21E-07
High-middle SDI	Male	2008	61.31806688	310.8526818	-2.01546E-06
High-middle SDI	Female	2008	22.07052938	113.3369746	7.23E-08
High-middle SDI	Both	2008	40.10183761	203.9291336	-9.66E-07
High-middle SDI	Male	2009	59.20858956	296.2522558	-1.87702E-06
High-middle SDI	Female	2009	21.22086335	109.3412402	1.52E-07
High-middle SDI	Both	2009	38.66775618	192.8402328	-9.34E-07
High-middle SDI	Male	2010	57.60582804	290.0716036	-2.12218E-06
High-middle SDI	Female	2010	20.44770702	105.8869057	1.21E-07
High-middle SDI	Both	2010	37.52155012	189.566994	-7.44E-07
High-middle SDI	Male	2011	55.49595834	271.5892578	-1.93256E-06
High-middle SDI	Female	2011	19.30771234	98.90262096	1.49E-07
High-middle SDI	Both	2011	35.95525476	178.5386406	-9.90E-07
High-middle SDI	Male	2012	54.09005041	271.9260483	-1.97658E-06
High-middle SDI	Female	2012	18.55447974	95.35617472	1.09E-07
High-middle SDI	Both	2012	34.91273464	176.3341224	-9.24E-07
High-middle SDI	Male	2013	52.09281212	255.78865	-1.44864E-06
High-middle SDI	Female	2013	17.70825074	90.23959307	-6.54E-08
High-middle SDI	Both	2013	33.54215106	166.0736454	-8.06E-07
High-middle SDI	Male	2014	50.12502613	247.6902315	-1.25566E-06
High-middle SDI	Female	2014	17.06143635	88.42743304	-8.59E-08
High-middle SDI	Both	2014	32.30427767	160.5845995	-7.01E-07

Table S2 (continued)

Table S2 (continued)

Location_name	Sex_name	Year	Val	Upper	Lower
High-middle SDI	Male	2015	48.37058173	236.7562965	-8.76E-07
High-middle SDI	Female	2015	16.82069095	88.36970356	-1.12E-07
High-middle SDI	Both	2015	31.37176676	153.7918139	-5.14E-07
High-middle SDI	Male	2016	47.69042553	241.4294107	-7.80E-07
High-middle SDI	Female	2016	16.45335622	85.30713886	-1.28E-07
High-middle SDI	Both	2016	30.87529418	154.6160813	-4.97E-07
High-middle SDI	Male	2017	46.06170395	233.4767072	-8.50E-07
High-middle SDI	Female	2017	16.07258669	83.83437634	-1.07E-07
High-middle SDI	Both	2017	29.93444933	152.0415245	-4.87E-07
High-middle SDI	Male	2018	45.55852214	234.2500235	-7.27E-07
High-middle SDI	Female	2018	15.82360917	80.31442952	-1.09E-07
High-middle SDI	Both	2018	29.59023318	148.663415	-4.35E-07
High-middle SDI	Male	2019	44.7147836	231.2519907	-5.97E-07
High-middle SDI	Female	2019	15.54914736	81.08471623	8.23E-08
High-middle SDI	Both	2019	29.06693957	150.4487657	-2.63E-07
High-middle SDI	Male	2020	43.82131919	217.274702	-6.95E-07
High-middle SDI	Female	2020	15.34789881	77.7120479	5.87E-08
High-middle SDI	Both	2020	28.55209731	142.9551377	-2.54E-07
High-middle SDI	Male	2021	43.01385173	212.1687885	-8.86E-07
High-middle SDI	Female	2021	15.25400177	76.88681232	-1.19E-08
High-middle SDI	Both	2021	28.13935829	136.9227479	-1.58E-07
Low SDI	Male	1990	26.6856712	139.1009056	7.92E-08
Low SDI	Female	1990	18.05307066	96.15087038	3.94E-08
Low SDI	Both	1990	22.46556869	116.9711545	5.63E-08
Low SDI	Male	1991	26.35783964	138.2901898	7.82E-08
Low SDI	Female	1991	17.82879266	95.02072093	4.09E-08
Low SDI	Both	1991	22.18805286	115.8514406	5.33E-08
Low SDI	Male	1992	26.14423822	136.8144932	6.89E-08
Low SDI	Female	1992	17.7275227	95.80343501	4.60E-08
Low SDI	Both	1992	22.02917918	115.2427709	5.37E-08
Low SDI	Male	1993	25.9611019	136.0699764	6.82E-08
Low SDI	Female	1993	17.53097015	94.15624807	4.22E-08
Low SDI	Both	1993	21.83850856	113.5950608	4.92E-08
Low SDI	Male	1994	25.94706751	133.3265888	7.58E-08

Table S2 (continued)

Table S2 (continued)

Location_name	Sex_name	Year	Val	Upper	Lower
Low SDI	Female	1994	17.50356214	94.1882609	4.12E-08
Low SDI	Both	1994	21.81445896	113.5192306	4.85E-08
Low SDI	Male	1995	25.58374491	133.3053103	5.93E-08
Low SDI	Female	1995	17.39498731	93.47422437	4.15E-08
Low SDI	Both	1995	21.57216327	112.3564169	4.70E-08
Low SDI	Male	1996	25.3928988	131.9406077	5.36E-08
Low SDI	Female	1996	17.26499193	93.68752003	3.97E-08
Low SDI	Both	1996	21.40572718	112.252888	4.85E-08
Low SDI	Male	1997	25.44695083	131.6963811	4.90E-08
Low SDI	Female	1997	16.99331443	92.57522269	3.42E-08
Low SDI	Both	1997	21.29426624	112.0805436	4.79E-08
Low SDI	Male	1998	25.25379287	133.4110321	4.07E-08
Low SDI	Female	1998	16.79900998	90.99186861	3.00E-08
Low SDI	Both	1998	21.08923673	111.0904207	4.31E-08
Low SDI	Male	1999	24.33687108	125.6961696	4.27E-08
Low SDI	Female	1999	16.44214873	89.92956164	2.59E-08
Low SDI	Both	1999	20.43615987	107.1388243	3.67E-08
Low SDI	Male	2000	23.75921676	124.2069129	3.64E-08
Low SDI	Female	2000	16.05757152	87.84484457	2.62E-08
Low SDI	Both	2000	19.94344801	105.4187687	3.70E-08
Low SDI	Male	2001	23.23535843	120.0811422	3.12E-08
Low SDI	Female	2001	15.72815541	86.59659095	2.86E-08
Low SDI	Both	2001	19.5099585	102.5953258	3.57E-08
Low SDI	Male	2002	22.69593391	117.6103485	3.06E-08
Low SDI	Female	2002	15.54379243	86.10325998	2.70E-08
Low SDI	Both	2002	19.14124112	100.3321705	2.86E-08
Low SDI	Male	2003	22.42619735	118.4674279	2.73E-08
Low SDI	Female	2003	15.33386764	85.61982448	2.79E-08
Low SDI	Both	2003	18.89386671	101.0787147	2.94E-08
Low SDI	Male	2004	21.85844906	113.3563677	2.78E-08
Low SDI	Female	2004	14.92652059	81.84231333	2.59E-08
Low SDI	Both	2004	18.40004537	97.16518047	2.99E-08
Low SDI	Male	2005	21.47688328	111.9799122	2.99E-08
Low SDI	Female	2005	14.70879564	80.32211209	2.31E-08

Table S2 (continued)

Table S2 (continued)

Location_name	Sex_name	Year	Val	Upper	Lower
Low SDI	Both	2005	18.0948986	95.35652348	2.88E-08
Low SDI	Male	2006	21.13352865	109.5088779	2.80E-08
Low SDI	Female	2006	14.48995823	79.65591576	2.46E-08
Low SDI	Both	2006	17.80777633	93.6358948	3.03E-08
Low SDI	Male	2007	21.2012378	110.6263293	3.60E-08
Low SDI	Female	2007	14.22753888	78.27335021	2.23E-08
Low SDI	Both	2007	17.705618	92.86087809	3.47E-08
Low SDI	Male	2008	20.87765994	109.1113969	2.86E-08
Low SDI	Female	2008	14.02708452	76.54746403	2.05E-08
Low SDI	Both	2008	17.43914656	91.12136132	3.57E-08
Low SDI	Male	2009	20.62823423	108.5921282	2.91E-08
Low SDI	Female	2009	13.79697638	76.04321017	1.84E-08
Low SDI	Both	2009	17.19635412	89.87328207	3.28E-08
Low SDI	Male	2010	20.75438188	107.3979512	2.70E-08
Low SDI	Female	2010	13.61659874	74.65908734	2.11E-08
Low SDI	Both	2010	17.16305282	89.55221628	3.22E-08
Low SDI	Male	2011	20.2814723	105.5337719	2.23E-08
Low SDI	Female	2011	13.40167461	73.49614303	2.19E-08
Low SDI	Both	2011	16.81447152	87.51347583	2.45E-08
Low SDI	Male	2012	19.82988594	102.6906814	2.42E-08
Low SDI	Female	2012	13.44273033	72.64759045	2.17E-08
Low SDI	Both	2012	16.6089917	85.77191356	2.84E-08
Low SDI	Male	2013	19.8112195	102.9432561	2.02E-08
Low SDI	Female	2013	13.42935549	73.47355082	2.24E-08
Low SDI	Both	2013	16.58950605	86.63301506	2.54E-08
Low SDI	Male	2014	19.48192743	100.7007152	2.35E-08
Low SDI	Female	2014	13.33386936	73.04104415	2.26E-08
Low SDI	Both	2014	16.37143641	85.26026682	2.37E-08
Low SDI	Male	2015	19.32101872	100.6674875	2.62E-08
Low SDI	Female	2015	13.18637126	71.36926757	2.10E-08
Low SDI	Both	2015	16.21282323	84.80886268	2.37E-08
Low SDI	Male	2016	18.87008817	96.9122514	2.57E-08
Low SDI	Female	2016	12.97362602	70.26853272	2.06E-08
Low SDI	Both	2016	15.87730471	82.7775929	2.31E-08

Table S2 (continued)

Table S2 (continued)

Location_name	Sex_name	Year	Val	Upper	Lower
Low SDI	Male	2017	18.54933957	95.42215502	2.25E-08
Low SDI	Female	2017	12.8009246	67.959429	1.63E-08
Low SDI	Both	2017	15.6290029	81.0406912	2.46E-08
Low SDI	Male	2018	18.22082105	94.20981721	2.42E-08
Low SDI	Female	2018	12.66423967	68.03551732	1.83E-08
Low SDI	Both	2018	15.39839228	80.48780227	2.48E-08
Low SDI	Male	2019	18.04742406	92.81029168	2.18E-08
Low SDI	Female	2019	12.46766584	66.44978978	1.85E-08
Low SDI	Both	2019	15.21065816	79.22620335	2.23E-08
Low SDI	Male	2020	17.8262613	93.65258504	1.87E-08
Low SDI	Female	2020	12.26888408	66.37529743	1.87E-08
Low SDI	Both	2020	14.99327858	79.11778114	2.33E-08
Low SDI	Male	2021	17.42416167	92.89922847	1.78E-08
Low SDI	Female	2021	12.1210742	65.59483024	1.66E-08
Low SDI	Both	2021	14.71064785	78.40666531	2.29E-08
High SDI	Male	1990	43.223138	218.6643896	2.31E-07
High SDI	Female	1990	19.37026559	99.35938158	2.47E-07
High SDI	Both	1990	29.88875292	151.0905577	2.72E-07
High SDI	Male	1991	42.15027464	213.1043826	2.34E-07
High SDI	Female	1991	18.79525743	95.76252167	2.56E-07
High SDI	Both	1991	29.11601693	148.2606023	2.45E-07
High SDI	Male	1992	40.91530366	206.3843941	1.79E-07
High SDI	Female	1992	18.09218927	92.21107541	2.92E-07
High SDI	Both	1992	28.19355505	142.8882327	2.59E-07
High SDI	Male	1993	39.71453485	200.6303671	2.06E-07
High SDI	Female	1993	17.48645485	89.84203348	2.94E-07
High SDI	Both	1993	27.34320658	137.9990829	2.65E-07
High SDI	Male	1994	38.8572118	197.8294951	2.23E-07
High SDI	Female	1994	16.85581483	86.84142703	2.38E-07
High SDI	Both	1994	26.63929222	134.9834849	2.63E-07
High SDI	Male	1995	37.76228	190.9312999	1.91E-07
High SDI	Female	1995	16.41185754	84.13910695	2.60E-07
High SDI	Both	1995	25.91290819	131.5041858	2.25E-07
High SDI	Male	1996	36.62244088	184.7267746	1.51E-07

Table S2 (continued)

Table S2 (continued)

Location_name	Sex_name	Year	Val	Upper	Lower
High SDI	Female	1996	15.83688912	81.38229762	2.59E-07
High SDI	Both	1996	25.09828995	126.7818685	2.23E-07
High SDI	Male	1997	35.40953868	177.8619594	2.28E-07
High SDI	Female	1997	15.24748762	78.4668596	2.45E-07
High SDI	Both	1997	24.24160204	122.3709061	2.14E-07
High SDI	Male	1998	34.56175796	173.9854813	2.33E-07
High SDI	Female	1998	14.80750288	75.58991503	2.25E-07
High SDI	Both	1998	23.64049063	119.248556	2.24E-07
High SDI	Male	1999	33.65961916	169.4530249	2.86E-07
High SDI	Female	1999	14.38110018	73.483552	2.02E-07
High SDI	Both	1999	23.01404526	116.1613665	2.40E-07
High SDI	Male	2000	32.36231412	162.8260596	3.13E-07
High SDI	Female	2000	13.85439413	70.97175336	1.61E-07
High SDI	Both	2000	22.15510925	111.9184999	2.57E-07
High SDI	Male	2001	31.17355587	155.8215646	3.02E-07
High SDI	Female	2001	13.30025592	68.10741461	1.48E-07
High SDI	Both	2001	21.33313643	106.7013552	2.31E-07
High SDI	Male	2002	30.06814971	150.0099069	2.57E-07
High SDI	Female	2002	12.78888813	65.51752273	1.30E-07
High SDI	Both	2002	20.56679498	103.7319406	1.97E-07
High SDI	Male	2003	29.35778298	146.6463595	3.05E-07
High SDI	Female	2003	12.40048772	63.59895852	1.22E-07
High SDI	Both	2003	20.04919078	100.7076164	2.17E-07
High SDI	Male	2004	28.55097445	143.4272651	2.95E-07
High SDI	Female	2004	12.08727975	62.14649721	1.28E-07
High SDI	Both	2004	19.5269788	98.12080882	2.21E-07
High SDI	Male	2005	27.59127797	137.8627315	2.48E-07
High SDI	Female	2005	11.60795254	59.5427259	1.06E-07
High SDI	Both	2005	18.84864978	94.85248477	2.04E-07
High SDI	Male	2006	26.6465715	132.8382005	3.02E-07
High SDI	Female	2006	11.17145266	57.56672387	8.83E-08
High SDI	Both	2006	18.19915611	91.1450738	2.12E-07
High SDI	Male	2007	25.7868548	128.4138295	2.14E-07
High SDI	Female	2007	10.7799202	55.14294492	7.29E-08

Table S2 (continued)

Table S2 (continued)

Location_name	Sex_name	Year	Val	Upper	Lower
High SDI	Both	2007	17.60355119	88.09938753	1.63E-07
High SDI	Male	2008	25.04691648	124.9765939	2.67E-07
High SDI	Female	2008	10.41416672	53.60469922	5.66E-08
High SDI	Both	2008	17.08497387	85.85764342	1.71E-07
High SDI	Male	2009	24.32444628	121.1303653	2.24E-07
High SDI	Female	2009	10.10186853	51.80798121	4.80E-08
High SDI	Both	2009	16.59865661	83.20264591	1.36E-07
High SDI	Male	2010	23.68004028	117.8499766	2.37E-07
High SDI	Female	2010	9.795318315	50.46691793	3.79E-08
High SDI	Both	2010	16.15053163	80.83117226	1.29E-07
High SDI	Male	2011	22.88159911	113.3576496	2.30E-07
High SDI	Female	2011	9.458248328	48.62400494	5.47E-08
High SDI	Both	2011	15.61382505	78.35957371	1.22E-07
High SDI	Male	2012	21.95774452	109.206309	1.85E-07
High SDI	Female	2012	9.150956162	47.27738663	4.73E-08
High SDI	Both	2012	15.03762472	75.49287204	1.20E-07
High SDI	Male	2013	21.22805499	106.5758954	1.89E-07
High SDI	Female	2013	8.852249194	45.58776976	3.79E-08
High SDI	Both	2013	14.54827643	73.37105608	1.20E-07
High SDI	Male	2014	20.41526968	102.2403864	1.63E-07
High SDI	Female	2014	8.551583304	44.14069895	3.94E-08
High SDI	Both	2014	14.02017596	70.43089469	1.17E-07
High SDI	Male	2015	19.6991386	97.78311202	1.53E-07
High SDI	Female	2015	8.272924121	42.77810932	2.93E-08
High SDI	Both	2015	13.55194308	67.83066316	1.05E-07
High SDI	Male	2016	19.14452827	95.49029008	1.57E-07
High SDI	Female	2016	8.095850833	41.7490347	3.35E-08
High SDI	Both	2016	13.21128715	66.34793256	9.27E-08
High SDI	Male	2017	18.51847223	92.2681932	1.76E-07
High SDI	Female	2017	7.820835123	40.29889852	3.36E-08
High SDI	Both	2017	12.78095926	64.33032796	9.86E-08
High SDI	Male	2018	18.01268301	88.87391147	1.62E-07
High SDI	Female	2018	7.62784582	39.87875078	2.69E-08
High SDI	Both	2018	12.45134064	62.5601609	8.35E-08

Table S2 (continued)

Table S2 (continued)

Location_name	Sex_name	Year	Val	Upper	Lower
High SDI	Male	2019	17.39388062	86.92365416	1.43E-07
High SDI	Female	2019	7.422186478	38.85948526	2.27E-08
High SDI	Both	2019	12.0572688	60.85154463	7.61E-08
High SDI	Male	2020	16.86045629	83.79426274	1.57E-07
High SDI	Female	2020	7.15936451	37.10898774	3.21E-08
High SDI	Both	2020	11.67014852	58.49466937	8.48E-08
High SDI	Male	2021	16.74639853	82.91227802	1.64E-07
High SDI	Female	2021	7.126215859	37.22059179	2.49E-08
High SDI	Both	2021	11.60289998	58.0915596	7.78E-08
Low-middle SDI	Male	1990	26.71627389	136.5761932	-3.11E-08
Low-middle SDI	Female	1990	15.86104372	81.04657105	1.33E-08
Low-middle SDI	Both	1990	21.39164918	108.4573752	4.98E-08
Low-middle SDI	Male	1991	26.42967998	134.542079	-6.66E-08
Low-middle SDI	Female	1991	15.64778501	79.6109546	2.61E-08
Low-middle SDI	Both	1991	21.13459305	107.2899524	1.48E-08
Low-middle SDI	Male	1992	26.31812868	132.5511026	-4.98E-08
Low-middle SDI	Female	1992	15.65984007	79.30870267	2.58E-08
Low-middle SDI	Both	1992	21.0776954	106.6144031	-1.97E-08
Low-middle SDI	Male	1993	25.98633617	131.393573	1.49E-08
Low-middle SDI	Female	1993	15.3641292	78.0807183	4.43E-08
Low-middle SDI	Both	1993	20.75532576	105.3193309	-5.45E-09
Low-middle SDI	Male	1994	25.68044823	130.4663859	8.78E-09
Low-middle SDI	Female	1994	15.21556696	78.46057295	5.13E-08
Low-middle SDI	Both	1994	20.51718034	104.7097454	9.97E-09
Low-middle SDI	Male	1995	25.31784438	130.6082856	-1.90E-08
Low-middle SDI	Female	1995	15.05301908	77.55072055	4.09E-08
Low-middle SDI	Both	1995	20.24350324	104.0944669	3.43E-08
Low-middle SDI	Male	1996	25.24718388	128.1474355	-1.67E-08
Low-middle SDI	Female	1996	14.91037246	77.25243104	2.77E-08
Low-middle SDI	Both	1996	20.1275163	103.0510279	3.61E-08
Low-middle SDI	Male	1997	25.21391501	127.8838107	5.32E-09
Low-middle SDI	Female	1997	14.80247148	75.73502155	3.54E-08
Low-middle SDI	Both	1997	20.04435397	103.028993	4.77E-08
Low-middle SDI	Male	1998	25.11885939	127.6974703	1.54E-09

Table S2 (continued)

Table S2 (continued)

Location_name	Sex_name	Year	Val	Upper	Lower
Low-middle SDI	Female	1998	14.74188347	75.26771173	4.39E-08
Low-middle SDI	Both	1998	19.95428568	102.6485146	5.80E-08
Low-middle SDI	Male	1999	24.51854448	123.2694531	-3.34E-08
Low-middle SDI	Female	1999	14.45168276	73.71342541	4.70E-08
Low-middle SDI	Both	1999	19.49804016	98.78038918	3.12E-08
Low-middle SDI	Male	2000	24.38678082	122.1735702	-5.26E-08
Low-middle SDI	Female	2000	14.19866363	72.84537116	4.20E-08
Low-middle SDI	Both	2000	19.29404455	98.12799752	2.08E-08
Low-middle SDI	Male	2001	24.21908054	123.2838851	-6.05E-08
Low-middle SDI	Female	2001	13.98257793	71.99004937	5.24E-08
Low-middle SDI	Both	2001	19.08881358	98.34438884	1.94E-08
Low-middle SDI	Male	2002	23.8792331	119.9180053	-6.71E-08
Low-middle SDI	Female	2002	13.95525239	71.07671392	4.72E-08
Low-middle SDI	Both	2002	18.89350492	96.43307897	2.03E-08
Low-middle SDI	Male	2003	23.75087674	121.5036801	-4.84E-08
Low-middle SDI	Female	2003	13.73856561	70.41828893	4.35E-08
Low-middle SDI	Both	2003	18.70936302	96.59616673	1.47E-08
Low-middle SDI	Male	2004	23.24546372	118.8275666	-3.43E-08
Low-middle SDI	Female	2004	13.38757914	68.54843722	4.20E-08
Low-middle SDI	Both	2004	18.27062462	93.84218303	2.87E-08
Low-middle SDI	Male	2005	23.06554595	118.483946	-3.92E-08
Low-middle SDI	Female	2005	13.32280291	67.80957198	4.76E-08
Low-middle SDI	Both	2005	18.14228537	93.51790284	2.13E-08
Low-middle SDI	Male	2006	22.92355928	116.1597269	-3.28E-08
Low-middle SDI	Female	2006	13.20063481	67.39750674	4.68E-08
Low-middle SDI	Both	2006	18.00453869	91.58997101	2.34E-08
Low-middle SDI	Male	2007	23.143557	119.4623715	-4.92E-08
Low-middle SDI	Female	2007	13.13448106	66.98304101	5.08E-08
Low-middle SDI	Both	2007	18.07002379	93.07757754	3.13E-08
Low-middle SDI	Male	2008	23.06100489	118.8479632	-2.81E-08
Low-middle SDI	Female	2008	12.89246507	65.56021736	6.06E-08
Low-middle SDI	Both	2008	17.89732535	92.39610219	2.45E-08
Low-middle SDI	Male	2009	22.76898019	116.2424238	-3.06E-09
Low-middle SDI	Female	2009	12.66697135	64.75676912	6.14E-08

Table S2 (continued)

Table S2 (continued)

Location_name	Sex_name	Year	Val	Upper	Lower
Low-middle SDI	Both	2009	17.63061988	90.92319712	3.91E-08
Low-middle SDI	Male	2010	22.81117123	116.0838945	2.29E-08
Low-middle SDI	Female	2010	12.59186197	64.68418064	4.63E-08
Low-middle SDI	Both	2010	17.6034003	90.05441864	3.24E-08
Low-middle SDI	Male	2011	22.38659161	112.7989479	1.88E-08
Low-middle SDI	Female	2011	12.29797128	62.3995684	4.80E-08
Low-middle SDI	Both	2011	17.23799651	88.13522474	2.87E-08
Low-middle SDI	Male	2012	21.7844304	108.6534249	1.48E-08
Low-middle SDI	Female	2012	12.19555758	62.25140062	3.80E-08
Low-middle SDI	Both	2012	16.88430893	85.44474644	4.37E-08
Low-middle SDI	Male	2013	21.53806183	108.64781	2.63E-08
Low-middle SDI	Female	2013	12.22868471	62.58698734	4.19E-08
Low-middle SDI	Both	2013	16.76624054	86.05303453	4.23E-08
Low-middle SDI	Male	2014	21.16140665	105.7165629	1.48E-08
Low-middle SDI	Female	2014	12.00410726	61.46468435	4.93E-08
Low-middle SDI	Both	2014	16.45401945	83.59883348	3.28E-08
Low-middle SDI	Male	2015	20.75324367	103.8169676	3.80E-08
Low-middle SDI	Female	2015	12.00923779	61.62641963	5.15E-08
Low-middle SDI	Both	2015	16.25460369	82.46552563	3.73E-08
Low-middle SDI	Male	2016	20.50068276	102.5569989	2.82E-08
Low-middle SDI	Female	2016	11.91868583	60.28514968	4.35E-08
Low-middle SDI	Both	2016	16.08282875	80.75119386	4.27E-08
Low-middle SDI	Male	2017	20.21150183	101.8090994	2.60E-08
Low-middle SDI	Female	2017	11.74167847	59.50748758	3.68E-08
Low-middle SDI	Both	2017	15.84739037	80.10155784	4.88E-08
Low-middle SDI	Male	2018	20.14756267	101.898058	1.66E-08
Low-middle SDI	Female	2018	11.6207388	58.75979988	3.31E-08
Low-middle SDI	Both	2018	15.75095951	80.10410443	5.52E-08
Low-middle SDI	Male	2019	19.9197081	102.4680947	1.60E-08
Low-middle SDI	Female	2019	11.30795067	57.78010017	3.03E-08
Low-middle SDI	Both	2019	15.47552	78.94323814	4.86E-08
Low-middle SDI	Male	2020	19.54249342	97.02809258	1.90E-08
Low-middle SDI	Female	2020	11.0312038	56.64309893	2.01E-08
Low-middle SDI	Both	2020	15.14083827	76.48799131	5.10E-08

Table S2 (continued)

Table S2 (continued)

Location_name	Sex_name	Year	Val	Upper	Lower
Low-middle SDI	Male	2021	19.1524512	95.54220272	9.27E-09
Low-middle SDI	Female	2021	10.73086948	55.55590342	1.58E-08
Low-middle SDI	Both	2021	14.78284954	75.09346783	3.47E-08
Middle SDI	Male	1990	79.53484293	395.1104811	-3.26037E-06
Middle SDI	Female	1990	39.14813051	197.4793985	-2.81E-07
Middle SDI	Both	1990	59.02462253	290.9140214	-1.74937E-06
Middle SDI	Male	1991	77.89026031	395.596998	-2.8458E-06
Middle SDI	Female	1991	38.18791929	190.220104	-2.29E-07
Middle SDI	Both	1991	57.72910994	292.7306504	-1.71338E-06
Middle SDI	Male	1992	76.32466639	377.6226642	-3.06615E-06
Middle SDI	Female	1992	37.15547461	184.3015586	-2.81E-07
Middle SDI	Both	1992	56.42624485	278.4289699	-1.75726E-06
Middle SDI	Male	1993	74.51234648	369.7355774	-2.4259E-06
Middle SDI	Female	1993	36.37078883	183.5778094	-2.50E-07
Middle SDI	Both	1993	55.1324976	274.2852063	-1.53482E-06
Middle SDI	Male	1994	72.9034526	367.4417628	-2.80776E-06
Middle SDI	Female	1994	35.27558563	177.6500447	-2.93E-07
Middle SDI	Both	1994	53.77860351	269.875562	-1.48839E-06
Middle SDI	Male	1995	71.35927063	362.3320505	-2.39018E-06
Middle SDI	Female	1995	34.38038534	170.3982493	-2.09E-07
Middle SDI	Both	1995	52.5535775	264.9002918	-1.33837E-06
Middle SDI	Male	1996	69.80932184	345.9232588	-2.22718E-06
Middle SDI	Female	1996	33.15774466	166.4817154	-9.23E-08
Middle SDI	Both	1996	51.14579184	253.0928362	-1.05421E-06
Middle SDI	Male	1997	67.90699386	338.3249176	-1.94532E-06
Middle SDI	Female	1997	31.75366917	155.4810199	1.30E-07
Middle SDI	Both	1997	49.46727079	242.7380486	-6.94E-07
Middle SDI	Male	1998	66.84055038	330.6853625	-2.21131E-06
Middle SDI	Female	1998	30.77718457	150.6590356	3.96E-07
Middle SDI	Both	1998	48.4215754	239.0025821	-6.28E-07
Middle SDI	Male	1999	66.09609916	338.2415049	-1.82709E-06
Middle SDI	Female	1999	30.25372447	148.7435665	2.08E-07
Middle SDI	Both	1999	47.77321866	238.9378208	-6.01E-07
Middle SDI	Male	2000	64.91398744	322.6113517	-1.72305E-06

Table S2 (continued)

Table S2 (continued)

Location_name	Sex_name	Year	Val	Upper	Lower
Middle SDI	Female	2000	29.47954901	151.1247791	1.27E-07
Middle SDI	Both	2000	46.76375266	232.4769949	-6.80E-07
Middle SDI	Male	2001	64.95508756	319.9165117	-1.57708E-06
Middle SDI	Female	2001	28.82459731	142.5817733	1.05E-07
Middle SDI	Both	2001	46.42537239	228.7869306	-5.81E-07
Middle SDI	Male	2002	64.09341389	316.2293005	-1.62722E-06
Middle SDI	Female	2002	28.36942713	138.833105	1.85E-07
Middle SDI	Both	2002	45.75413814	223.3577101	-5.92E-07
Middle SDI	Male	2003	63.85536938	317.0792781	-1.48132E-06
Middle SDI	Female	2003	27.71313432	139.5305303	2.02E-07
Middle SDI	Both	2003	45.26863089	221.5833343	-3.77E-07
Middle SDI	Male	2004	63.60638101	313.8864009	-1.21509E-06
Middle SDI	Female	2004	27.09338972	136.6608182	1.83E-07
Middle SDI	Both	2004	44.81476705	220.3521021	-3.15E-07
Middle SDI	Male	2005	61.37147351	303.1832147	-1.11421E-06
Middle SDI	Female	2005	25.63006341	127.481906	1.66E-07
Middle SDI	Both	2005	42.9639374	212.1722546	-2.57E-07
Middle SDI	Male	2006	57.20936139	283.1570347	-7.55E-07
Middle SDI	Female	2006	23.68136312	119.3337047	8.09E-08
Middle SDI	Both	2006	39.93772879	197.0316274	-9.36E-08
Middle SDI	Male	2007	54.68099236	271.4310807	-8.63E-07
Middle SDI	Female	2007	22.43171067	110.6930968	2.66E-08
Middle SDI	Both	2007	38.05087773	188.0501667	-1.13E-07
Middle SDI	Male	2008	53.93256391	268.0164264	-1.03367E-06
Middle SDI	Female	2008	21.46206601	107.9671599	-2.27E-08
Middle SDI	Both	2008	37.16777008	183.6685304	-1.52E-07
Middle SDI	Male	2009	52.35699944	260.7900941	-1.14962E-06
Middle SDI	Female	2009	20.84110888	104.397783	-7.03E-08
Middle SDI	Both	2009	36.05306856	178.1253513	-1.63E-07
Middle SDI	Male	2010	50.91418211	250.6516111	-1.04228E-06
Middle SDI	Female	2010	20.12223542	101.2528384	-5.98E-08
Middle SDI	Both	2010	34.9613504	174.8073152	-3.93E-07
Middle SDI	Male	2011	49.0391824	241.1435256	-1.19497E-06
Middle SDI	Female	2011	19.05671085	94.84365795	-1.75E-08

Table S2 (continued)

Table S2 (continued)

Location_name	Sex_name	Year	Val	Upper	Lower
Middle SDI	Both	2011	33.49591812	163.0683592	-3.73E-07
Middle SDI	Male	2012	47.59546585	235.3432722	-1.05746E-06
Middle SDI	Female	2012	18.33574899	92.77302212	5.00E-10
Middle SDI	Both	2012	32.41431713	161.7062083	-3.27E-07
Middle SDI	Male	2013	45.80332074	223.2921272	-9.16E-07
Middle SDI	Female	2013	17.56482469	88.02576844	4.30E-08
Middle SDI	Both	2013	31.13298752	152.612837	-3.28E-07
Middle SDI	Male	2014	44.3323932	222.8314076	-9.48E-07
Middle SDI	Female	2014	16.87171094	84.6415517	8.00E-08
Middle SDI	Both	2014	30.05295632	152.0208198	-3.44E-07
Middle SDI	Male	2015	42.49441804	211.349633	-1.11896E-06
Middle SDI	Female	2015	16.54967784	85.09091359	8.14E-08
Middle SDI	Both	2015	28.98804918	144.1091139	-4.29E-07
Middle SDI	Male	2016	42.02443566	209.983479	-9.36E-07
Middle SDI	Female	2016	16.29508695	83.22005782	1.36E-07
Middle SDI	Both	2016	28.61764017	142.1888123	-4.13E-07
Middle SDI	Male	2017	40.64268295	206.1192577	-8.59E-07
Middle SDI	Female	2017	16.04744819	81.76970422	7.01E-08
Middle SDI	Both	2017	27.82197021	140.8226185	-2.77E-07
Middle SDI	Male	2018	39.59594479	199.9041605	-5.68E-07
Middle SDI	Female	2018	15.81372566	80.08247579	1.01E-07
Middle SDI	Both	2018	27.1959474	135.5089475	-3.27E-07
Middle SDI	Male	2019	39.07913657	201.7766958	-4.66E-07
Middle SDI	Female	2019	15.58234205	79.58565774	7.87E-08
Middle SDI	Both	2019	26.82201583	137.2257314	-2.52E-07
Middle SDI	Male	2020	38.18538794	189.0644172	-3.92E-07
Middle SDI	Female	2020	15.37777896	78.72229592	8.33E-08
Middle SDI	Both	2020	26.27277301	127.5596147	-5.53E-08
Middle SDI	Male	2021	37.50721621	189.6650093	-3.38E-07
Middle SDI	Female	2021	15.17074398	77.38927729	6.54E-08
Middle SDI	Both	2021	25.81781238	127.5758861	-1.33E-07

Table S3 Age-Specific mortality Rate of high sodium intake-attributed gastric cancer in SDI regions in 2021, by Sex

Location_name	Sex_name	Age_name	Val	Upper	Lower
Global	Male	95+ years	18.31534804	93.44999201	2.17E-08
Global	Female	95+ years	14.33432987	75.85697148	1.53E-08
Global	Male	70–74 years	8.464511652	41.66998332	–2.38E-07
Global	Female	70–74 years	3.278886595	16.75035643	–3.40E-08
Global	Male	75–79 years	10.92790076	53.69297617	–1.12E-07
Global	Female	75–79 years	4.647035197	23.7904828	–1.38E-08
Global	Male	80–84 years	13.94839398	68.85195756	4.83E-09
Global	Female	80–84 years	6.319261298	32.76664844	3.94E-09
Global	Male	85–89 years	18.88781833	94.60601276	–3.23E-08
Global	Female	85–89 years	8.339043547	43.42128425	1.42E-08
Global	Male	90–94 years	21.26437637	107.2364214	8.28E-08
Global	Female	90–94 years	11.34033923	59.94942909	2.43E-09
Global	Male	25–29 years	0.03716314	0.187275401	–9.20E-10
Global	Female	25–29 years	0.038585419	0.200789852	–5.50E-10
Global	Male	30–34 years	0.107346934	0.533959255	–2.91E-09
Global	Female	30–34 years	0.081599267	0.419026285	–1.06E-09
Global	Male	35–39 years	0.211626207	1.043282376	–6.67E-09
Global	Female	35–39 years	0.139005859	0.721038201	–3.15E-09
Global	Male	40–44 years	0.425704247	2.067811815	–2.09E-08
Global	Female	40–44 years	0.227607959	1.162683763	–4.10E-09
Global	Male	45–49 years	0.778422877	3.848147617	–3.39E-08
Global	Female	45–49 years	0.352416835	1.820690919	–6.86E-09
Global	Male	50–54 years	1.515462746	7.461994197	–6.76E-08
Global	Female	50–54 years	0.588318975	3.026344848	–1.43E-08
Global	Male	55–59 years	2.515903569	12.45853923	–1.12E-07
Global	Female	55–59 years	0.933381056	4.772098172	–1.66E-08
Global	Male	60–64 years	3.745211577	18.68910671	–1.16E-07
Global	Female	60–64 years	1.384932327	7.025902983	–2.10E-08
Global	Male	65–69 years	5.87340093	28.84042503	–2.51E-07
Global	Female	65–69 years	2.235905143	11.45820261	–3.45E-08
Global	Male	95+ years	18.31534804	93.44999201	2.17E-08
Global	Female	95+ years	14.33432987	75.85697148	1.53E-08
Global	Male	70–74 years	8.464511652	41.66998332	–2.38E-07
Global	Female	70–74 years	3.278886595	16.75035643	–3.40E-08
Global	Male	75–79 years	10.92790076	53.69297617	–1.12E-07

Table S3 (continued)

Table S3 (continued)

Location_name	Sex_name	Age_name	Val	Upper	Lower
Global	Female	75–79 years	4.647035197	23.7904828	–1.38E–08
Global	Male	80–84 years	13.94839398	68.85195756	4.83E–09
Global	Female	80–84 years	6.319261298	32.76664844	3.94E–09
Global	Male	85–89 years	18.88781833	94.60601276	–3.23E–08
Global	Female	85–89 years	8.339043547	43.42128425	1.42E–08
Global	Male	90–94 years	21.26437637	107.2364214	8.28E–08
Global	Female	90–94 years	11.34033923	59.94942909	2.43E–09
Global	Male	25–29 years	0.03716314	0.187275401	–9.20E–10
Global	Female	25–29 years	0.038585419	0.200789852	–5.50E–10
Global	Male	30–34 years	0.107346934	0.533959255	–2.91E–09
Global	Female	30–34 years	0.081599267	0.419026285	–1.06E–09
Global	Male	35–39 years	0.211626207	1.043282376	–6.67E–09
Global	Female	35–39 years	0.139005859	0.721038201	–3.15E–09
Global	Male	40–44 years	0.425704247	2.067811815	–2.09E–08
Global	Female	40–44 years	0.227607959	1.162683763	–4.10E–09
Global	Male	45–49 years	0.778422877	3.848147617	–3.39E–08
Global	Female	45–49 years	0.352416835	1.820690919	–6.86E–09
Global	Male	50–54 years	1.515462746	7.461994197	–6.76E–08
Global	Female	50–54 years	0.588318975	3.026344848	–1.43E–08
Global	Male	55–59 years	2.515903569	12.45853923	–1.12E–07
Global	Female	55–59 years	0.933381056	4.772098172	–1.66E–08
Global	Male	60–64 years	3.745211577	18.68910671	–1.16E–07
Global	Female	60–64 years	1.384932327	7.025902983	–2.10E–08
Global	Male	65–69 years	5.87340093	28.84042503	–2.51E–07
Global	Female	65–69 years	2.235905143	11.45820261	–3.45E–08
High-middle SDI	Male	95+ years	19.26543475	100.0101148	–7.65E–08
High-middle SDI	Female	95+ years	12.8437909	67.31261612	2.42E–08
High-middle SDI	Male	25–29 years	0.05319948	0.264192786	–2.96E–09
High-middle SDI	Female	25–29 years	0.039389548	0.199588225	–1.63E–09
High-middle SDI	Male	30–34 years	0.162999414	0.830783855	–9.64E–09
High-middle SDI	Female	30–34 years	0.090614139	0.455871611	–2.91E–09
High-middle SDI	Male	35–39 years	0.32589681	1.607833884	–2.13E–08
High-middle SDI	Female	35–39 years	0.158088445	0.785917127	–9.14E–09
High-middle SDI	Male	40–44 years	0.638375405	3.180078624	–4.96E–08

Table S3 (continued)

Table S3 (continued)

Location_name	Sex_name	Age_name	Val	Upper	Lower
High-middle SDI	Female	40–44 years	0.261316792	1.32536823	–1.19E–08
High-middle SDI	Male	45–49 years	1.141126089	5.646483653	–9.05E–08
High-middle SDI	Female	45–49 years	0.394394669	2.019386177	–2.02E–08
High-middle SDI	Male	50–54 years	2.159516079	10.95817948	–1.52E–07
High-middle SDI	Female	50–54 years	0.673040128	3.388910624	–3.21E–08
High-middle SDI	Male	55–59 years	3.590752296	18.17729604	–2.33E–07
High-middle SDI	Female	55–59 years	1.102746451	5.597757241	–4.97E–08
High-middle SDI	Male	60–64 years	5.509611493	27.10345601	–3.30E–07
High-middle SDI	Female	60–64 years	1.715883994	8.663368554	–5.74E–08
High-middle SDI	Male	65–69 years	8.413130281	42.53551394	–5.14E–07
High-middle SDI	Female	65–69 years	2.795520599	14.08892481	–8.43E–08
High-middle SDI	Male	70–74 years	12.09175594	60.01003077	–5.35E–07
High-middle SDI	Female	70–74 years	4.242862795	21.67015659	–5.46E–08
High-middle SDI	Male	75–79 years	16.26756656	80.67137826	–5.05E–07
High-middle SDI	Female	75–79 years	6.223949603	30.78482471	–7.58E–08
High-middle SDI	Male	80–84 years	19.59741022	98.32514769	–2.03E–07
High-middle SDI	Female	80–84 years	8.080841372	41.15918108	–1.22E–08
High-middle SDI	Male	85–89 years	25.06772753	125.7321569	–2.27E–07
High-middle SDI	Female	85–89 years	9.553498711	49.10354443	–3.64E–09
High-middle SDI	Male	90–94 years	24.92806025	126.1709216	–6.61E–08
High-middle SDI	Female	90–94 years	11.46484793	60.82186978	–1.93E–08
Middle SDI	Male	95+ years	15.54656333	78.11842958	–4.04E–08
Middle SDI	Female	95+ years	13.30418871	68.22614632	–2.87E–09
Middle SDI	Male	25–29 years	0.052119478	0.260823981	–1.70E–09
Middle SDI	Female	25–29 years	0.041545918	0.210063758	–1.02E–09
Middle SDI	Male	30–34 years	0.143020415	0.701595096	–5.37E–09
Middle SDI	Female	30–34 years	0.089343873	0.455600987	–2.23E–09
Middle SDI	Male	35–39 years	0.270539153	1.358707307	–1.27E–08
Middle SDI	Female	35–39 years	0.146803628	0.746263066	–4.52E–09
Middle SDI	Male	40–44 years	0.530075627	2.613597313	–3.55E–08
Middle SDI	Female	40–44 years	0.248729061	1.277909065	–6.61E–09
Middle SDI	Male	45–49 years	0.960398262	4.83761117	–6.53E–08
Middle SDI	Female	45–49 years	0.385835786	1.963062589	–1.04E–08
Middle SDI	Male	50–54 years	1.898849072	9.684452612	–1.14E–07

Table S3 (continued)

Table S3 (continued)

Location_name	Sex_name	Age_name	Val	Upper	Lower
Middle SDI	Female	50–54 years	0.669045801	3.397913485	–2.20E–08
Middle SDI	Male	55–59 years	3.085474327	15.55678486	–1.73E–07
Middle SDI	Female	55–59 years	1.086063965	5.401653894	–2.65E–08
Middle SDI	Male	60–64 years	4.582108679	23.2858643	–2.10E–07
Middle SDI	Female	60–64 years	1.669068113	8.472993838	–3.09E–08
Middle SDI	Male	65–69 years	7.375940969	37.0470587	–4.20E–07
Middle SDI	Female	65–69 years	2.831295861	14.31840117	–5.04E–08
Middle SDI	Male	70–74 years	11.2002302	56.46993461	–3.49E–07
Middle SDI	Female	70–74 years	4.418671217	22.42235822	–7.71E–08
Middle SDI	Male	75–79 years	14.21714847	72.08383337	–2.24E–07
Middle SDI	Female	75–79 years	6.123211154	30.87526315	–3.73E–08
Middle SDI	Male	80–84 years	17.16864759	85.22320122	–7.92E–08
Middle SDI	Female	80–84 years	8.000255958	41.83262017	–1.85E–08
Middle SDI	Male	85–89 years	23.13974038	115.0274599	–1.44E–07
Middle SDI	Female	85–89 years	9.853306336	50.88293907	3.74E–09
Middle SDI	Male	90–94 years	24.42066615	121.888018	–1.24E–09
Middle SDI	Female	90–94 years	11.85427866	60.9977962	–1.98E–08
Low-middle SDI	Male	95+ years	7.839121738	40.5920806	–2.68E–09
Low-middle SDI	Female	95+ years	5.505450147	28.82869438	–1.40E–09
Low-middle SDI	Male	25–29 years	0.026731379	0.133905986	–3.00E–11
Low-middle SDI	Female	25–29 years	0.03924047	0.20157358	–3.00E–11
Low-middle SDI	Male	30–34 years	0.071655806	0.367985498	1.00E–11
Low-middle SDI	Female	30–34 years	0.080031534	0.40431286	2.00E–11
Low-middle SDI	Male	35–39 years	0.145837724	0.721726572	4.80E–10
Low-middle SDI	Female	35–39 years	0.140496716	0.721260987	–2.00E–11
Low-middle SDI	Male	40–44 years	0.325209651	1.6139052	1.31E–09
Low-middle SDI	Female	40–44 years	0.227290055	1.191198098	3.00E–11
Low-middle SDI	Male	45–49 years	0.559690873	2.807077215	2.80E–10
Low-middle SDI	Female	45–49 years	0.345162601	1.790778912	–2.00E–10
Low-middle SDI	Male	50–54 years	1.059365113	5.315314916	3.90E–09
Low-middle SDI	Female	50–54 years	0.567774725	2.968475567	–2.00E–11
Low-middle SDI	Male	55–59 years	1.829932666	9.118378179	–8.98E–09
Low-middle SDI	Female	55–59 years	0.897127713	4.639498973	–1.16E–09
Low-middle SDI	Male	60–64 years	2.687968622	13.31512055	–5.43E–09

Table S3 (continued)

Table S3 (continued)

Location_name	Sex_name	Age_name	Val	Upper	Lower
Low-middle SDI	Female	60–64 years	1.275273616	6.512629371	–2.52E–09
Low-middle SDI	Male	65–69 years	3.803955182	18.97442748	–3.61E–08
Low-middle SDI	Female	65–69 years	1.835411821	9.560951632	–2.82E–09
Low-middle SDI	Male	70–74 years	5.037184595	25.86392414	–1.68E–08
Low-middle SDI	Female	70–74 years	2.483611972	12.77809908	–1.05E–09
Low-middle SDI	Male	75–79 years	5.548299402	27.82551534	1.05E–08
Low-middle SDI	Female	75–79 years	3.249505962	16.72434318	8.80E–10
Low-middle SDI	Male	80–84 years	7.069933201	35.76644244	4.78E–09
Low-middle SDI	Female	80–84 years	4.365439259	22.77082364	–2.50E–10
Low-middle SDI	Male	85–89 years	8.530520827	43.31921105	1.71E–08
Low-middle SDI	Female	85–89 years	5.419289885	28.34300301	8.80E–10
Low-middle SDI	Male	90–94 years	9.286454034	47.35540764	1.24E–08
Low-middle SDI	Female	90–94 years	6.254868677	32.39791329	2.31E–09
Low SDI	Male	95+ years	7.367136063	39.48051095	–3.60E–10
Low SDI	Female	95+ years	4.507345763	24.31881245	7.50E–10
Low SDI	Male	25–29 years	0.020639568	0.112372465	–1.00E–11
Low SDI	Female	25–29 years	0.044759345	0.249484345	0
Low SDI	Male	30–34 years	0.057548315	0.315097348	–2.00E–11
Low SDI	Female	30–34 years	0.086931813	0.480707696	0
Low SDI	Male	35–39 years	0.12703863	0.688611231	–2.00E–10
Low SDI	Female	35–39 years	0.145297633	0.782098125	–1.00E–11
Low SDI	Male	40–44 years	0.2715661	1.468829959	–4.10E–10
Low SDI	Female	40–44 years	0.222531571	1.251796094	–2.00E–11
Low SDI	Male	45–49 years	0.481033414	2.605367896	–3.00E–10
Low SDI	Female	45–49 years	0.382257576	2.100169046	1.00E–11
Low SDI	Male	50–54 years	0.885304336	4.788356862	–7.40E–10
Low SDI	Female	50–54 years	0.626815364	3.488411303	1.70E–10
Low SDI	Male	55–59 years	1.499804969	7.955354311	–3.90E–10
Low SDI	Female	55–59 years	0.979478078	5.365191977	5.30E–10
Low SDI	Male	60–64 years	2.485743207	13.10735572	–5.40E–10
Low SDI	Female	60–64 years	1.50946604	8.1532938	2.85E–09
Low SDI	Male	65–69 years	3.621946421	19.15671096	–2.87E–09
Low SDI	Female	65–69 years	2.260217791	12.09445463	3.72E–09
Low SDI	Male	70–74 years	4.990806019	26.6097125	–1.34E–09

Table S3 (continued)

Table S3 (*continued*)

Location_name	Sex_name	Age_name	Val	Upper	Lower
Low SDI	Female	70–74 years	3.04176217	16.70293311	4.70E–10
Low SDI	Male	75–79 years	5.343863331	28.56428983	–2.09E–09
Low SDI	Female	75–79 years	3.741621856	20.39642958	9.70E–10
Low SDI	Male	80–84 years	7.118987572	37.34465019	–1.75E–09
Low SDI	Female	80–84 years	4.775683205	26.3059628	–1.09E–09
Low SDI	Male	85–89 years	8.812904699	46.50807775	–3.41E–09
Low SDI	Female	85–89 years	5.560623775	29.3655287	9.00E–10
Low SDI	Male	90–94 years	8.647626648	45.86599717	1.24E–09
Low SDI	Female	90–94 years	6.112855097	32.84834038	1.00E–09

Table S4 Age-Standardized mortality rate of high sodium intake-attributed gastric cancer in 204 Countries and Regions in 1990 and 2021 (per 100,000 population)

Location_name	1990			2021		
	Val	Upper	Lower	Val	Upper	Lower
Global	1.744192138	8.742174021	−1.53E−08	0.886978911	4.369901489	−3.71E−09
China	3.848255491	18.78675153	−8.80E−08	1.783142178	8.807892778	−2.78E−08
Democratic People's Republic of Korea	2.30293232	11.51729511	−2.50E−08	1.795398595	9.257402852	−1.46E−08
Taiwan (Province of China)	1.589970498	7.970210482	1.05E−08	0.721320302	3.655364481	2.69E−09
Cambodia	1.392584542	7.280906547	5.21E−09	0.8629547	4.274333201	1.78E−09
Indonesia	0.795531194	4.080184985	1.57E−09	0.614855526	3.112170739	2.37E−09
Lao People's Democratic Republic	1.444998869	7.509510619	5.52E−09	0.707849194	3.56921885	3.45E−09
Malaysia	0.74217022	3.660886969	3.31E−09	0.52584075	2.668514255	3.16E−09
Maldives	0.799170374	4.052203898	−4.68E−09	0.232594694	1.180536214	6.80E−10
Myanmar	1.30836399	6.83692468	−8.13E−09	0.610969661	3.024042205	7.18E−09
Philippines	0.466264714	2.344301506	7.65E−09	0.36265291	1.857456293	2.28E−09
Sri Lanka	0.72992221	3.58711308	−2.70E−09	0.293547458	1.541645748	1.96E−09
Thailand	0.947104713	4.717597488	4.00E−10	0.59664122	3.183393477	9.00E−11
Timor-Leste	0.883865751	4.637341718	−2.72E−09	0.642710338	3.310712712	4.06E−09
Viet Nam	1.225158963	6.160605183	1.01E−08	0.640847371	3.154203627	4.36E−09
Fiji	0.813277961	4.396851459	8.20E−10	0.652932874	3.466113869	1.41E−09
Kiribati	1.89172562	9.732732756	2.10E−10	1.729052575	8.992494872	3.10E−10
Marshall Islands	1.819962549	9.367612888	8.93E−09	1.404751123	7.274261557	4.67E−09
Micronesia (Federated States of)	1.792948225	9.348840836	4.15E−09	1.353690805	6.903973652	1.56E−09
Papua New Guinea	1.436502331	7.601351491	−3.10E−10	1.127249513	5.959190579	3.03E−09
Samoa	0.751712233	4.358528821	−3.00E−11	0.6495091	3.766063003	1.00E−10
Solomon Islands	1.919531223	10.34078163	−2.72E−09	1.518328784	7.894945089	9.20E−10
Tonga	1.64609613	8.684576988	−9.90E−09	1.331003077	6.724927393	2.00E−09
Vanuatu	1.622500984	8.464922763	1.45E−09	1.287137607	6.628691843	7.17E−09
Armenia	1.764749039	8.762337953	4.93E−09	0.840780981	4.369736002	4.90E−10
Azerbaijan	2.072447219	10.25893602	1.16E−08	1.116751097	5.95104558	−5.20E−10
Georgia	1.401762242	6.94959192	7.00E−10	0.923580295	4.71936946	3.80E−10
Kazakhstan	2.732207557	13.55078355	5.88E−09	0.836540864	4.357461441	3.90E−10
Kyrgyzstan	2.549809943	12.5795729	1.09E−08	1.189178816	6.194882872	1.47E−09
Mongolia	4.522753362	22.12575655	2.27E−08	2.95601957	15.68063055	5.70E−10
Tajikistan	2.316319958	11.60165582	−3.29E−09	1.121696887	5.997497819	1.76E−09
Turkmenistan	1.77613141	8.68346871	1.34E−09	0.744580001	3.898178352	−4.70E−10
Uzbekistan	1.674842674	8.395934612	9.60E−09	0.594696991	3.032835113	4.80E−10

Table S4 (continued)

Table S4 (continued)

Location_name	1990			2021		
	Val	Upper	Lower	Val	Upper	Lower
Albania	1.466139736	7.458933367	-1.46E-08	0.875124494	4.514789857	2.46E-09
Bosnia and Herzegovina	1.146963318	5.630804985	-2.64E-08	0.725206538	3.719596684	-2.36E-09
Bulgaria	1.882891867	9.36485971	-6.29E-08	0.942067055	4.634253429	-8.40E-09
Croatia	2.009023114	10.07805188	-6.92E-08	0.711509838	3.533048424	-6.59E-09
Czechia	1.419058371	7.022754546	-3.46E-08	0.457333778	2.260130803	-4.78E-09
Hungary	1.69152423	8.377822106	-9.30E-08	0.589752644	2.897088759	-7.99E-09
North Macedonia	1.831783458	8.793743604	-1.28E-08	1.166984214	5.721273212	-2.50E-08
Montenegro	0.721941172	3.507220366	-9.46E-09	0.656094042	3.283429066	-1.34E-08
Poland	1.689822867	8.396153612	5.65E-09	0.698141387	3.456949795	5.99E-09
Romania	1.256260315	6.467460717	-2.43E-08	0.866902112	4.332010251	5.75E-09
Serbia	1.162830827	5.75150358	-3.21E-08	0.646161545	3.181071531	2.70E-10
Slovakia	1.503042374	7.323879463	-6.01E-08	0.684010805	3.443718565	2.13E-09
Slovenia	1.598710653	7.882633169	-3.29E-08	0.56460207	2.807812892	-9.72E-09
Belarus	2.161762026	11.74138988	-7.00E-11	0.844188105	4.510725064	-1.00E-11
Estonia	1.446404311	8.324230066	0	0.559879354	3.142244209	0
Latvia	1.72897694	9.340524678	-2.00E-10	0.776619974	4.050015967	2.20E-10
Lithuania	1.838441346	9.647153286	4.00E-11	0.812526211	4.170340202	0
Republic of Moldova	1.410663335	7.602767588	1.00E-11	0.580498419	3.153858471	-1.00E-11
Russian Federation	2.475178349	12.65285806	-3.04E-09	1.018055258	5.154453816	2.40E-10
Ukraine	1.826229106	9.987862015	-1.00E-10	0.712702292	3.961088561	-2.00E-11
Brunei Darussalam	1.954275193	9.917768902	2.10E-08	0.840778534	4.304806423	7.55E-09
Japan	2.814810233	13.86268111	8.67E-08	1.091525049	5.463113831	1.08E-08
Republic of Korea	4.613843071	22.13951456	6.24E-08	1.110137306	5.496772724	1.59E-08
Singapore	1.374988136	6.712443085	1.24E-08	0.376092549	1.867579013	6.50E-10
Australia	0.442363603	2.486206909	0	0.234373984	1.336220112	0
New Zealand	0.698800762	3.649137895	-2.00E-11	0.33914947	1.835669628	6.00E-11
Andorra	0.888804998	4.956249057	1.00E-11	0.45684202	2.660013899	1.00E-11
Austria	1.310287938	6.602970449	-1.60E-10	0.370785601	1.878547623	9.00E-11
Belgium	0.963952338	4.868944786	-1.80E-10	0.355752332	1.804258638	-9.00E-11
Cyprus	0.88912974	4.544792152	2.00E-11	0.438367762	2.306065293	1.30E-10
Denmark	0.686628657	3.567637311	4.00E-11	0.34976304	1.833023381	6.00E-11
Finland	0.957057993	5.052431723	-1.00E-10	0.306806157	1.598356268	-3.00E-11
France	0.773290596	4.098604066	4.00E-11	0.330796295	1.731633836	-1.00E-11

Table S4 (continued)

Table S4 (continued)

Location_name	1990			2021		
	Val	Upper	Lower	Val	Upper	Lower
Germany	1.073475388	5.679943651	1.10E-10	0.437349201	2.195377966	2.10E-10
Greece	1.217073136	6.369332109	0	0.551199968	2.867358839	1.40E-10
Iceland	1.037737042	5.279067592	3.90E-10	0.331081976	1.738237377	1.40E-10
Ireland	0.913617401	4.869631436	-2.00E-11	0.311205068	1.692688676	0
Israel	0.815272109	4.268106061	9.00E-11	0.38569428	1.991468376	2.00E-10
Italy	1.528341543	7.749656553	1.91E-09	0.563164911	2.899704451	-2.60E-10
Luxembourg	0.989937229	5.148313669	-7.00E-11	0.331988154	1.742324281	3.00E-11
Malta	1.037376482	5.29799537	2.60E-10	0.365404352	1.865459635	8.80E-10
Netherlands	0.891031272	4.775812721	5.00E-11	0.340012651	1.808101655	2.00E-11
Norway	0.771790089	4.085507449	-1.00E-10	0.263407477	1.409384565	1.00E-11
Portugal	1.967487166	10.8629695	4.10E-10	0.784070689	4.146541187	-2.70E-10
Spain	0.927620093	5.368883634	-2.00E-11	0.356456252	2.033959325	9.00E-11
Sweden	0.701284057	3.685922139	1.00E-11	0.252964802	1.323854249	8.00E-11
Switzerland	0.789405454	4.163029448	-7.00E-11	0.281734665	1.492682157	6.00E-11
United Kingdom	0.813075809	4.401720694	0	0.315118459	1.705323736	-4.00E-11
Argentina	1.15090447	5.842712704	1.35E-09	0.675695569	3.425609596	1.17E-09
Chile	2.793116797	13.9721087	2.64E-09	1.229761739	6.179501833	1.44E-09
Uruguay	1.350556427	6.7528025	4.07E-09	0.872137189	4.42004815	2.60E-10
Canada	0.602204498	3.113267504	1.00E-11	0.301521558	1.555147455	3.00E-10
United States of America	0.377708126	1.99691137	5.00E-11	0.217473243	1.125617474	4.00E-11
Antigua and Barbuda	1.33087547	6.810891555	-1.10E-10	0.760473639	4.013741082	-2.00E-11
Bahamas	1.036849639	5.435339791	-1.00E-10	0.660344332	3.609484679	-6.00E-11
Barbados	1.183926108	6.358674129	0	0.660417661	3.734737191	0
Belize	0.934418486	4.817239459	-6.00E-11	0.700523609	3.66158486	6.00E-11
Cuba	0.604215336	3.138000734	-1.00E-11	0.415285188	2.152926088	0
Dominica	2.214577071	11.61474142	-1.10E-10	1.510008312	7.979766048	-9.00E-11
Dominican Republic	0.644135577	3.380243699	2.50E-10	0.515447683	2.760935128	-1.00E-11
Grenada	1.100739154	5.685692304	6.00E-11	0.639251096	3.347845716	-2.00E-11
Guyana	1.059653807	5.467543966	-3.00E-11	0.593572553	3.264476195	-2.00E-11
Haiti	2.158888549	11.40067333	-1.30E-10	1.381229987	7.328549184	-3.00E-11
Jamaica	1.186878939	6.10450638	2.00E-10	0.689741058	3.742532572	5.00E-11
Saint Lucia	1.688211125	8.803823182	-1.70E-10	0.824680562	4.549745761	-5.00E-11
Saint Vincent and the Grenadines	1.371462079	7.067367801	-3.00E-11	0.790502921	4.213522054	-7.00E-11
Suriname	0.850976402	4.501421556	-2.00E-11	0.521099774	2.872663561	-3.00E-11

Table S4 (continued)

Table S4 (continued)

Location_name	1990			2021		
	Val	Upper	Lower	Val	Upper	Lower
Trinidad and Tobago	0.871345175	4.533050656	-8.00E-11	0.386443864	2.021101554	2.00E-11
Bolivia (Plurinational State of)	4.173952756	21.19851414	9.70E-10	2.583823071	13.2318512	1.88E-09
Ecuador	2.55001794	12.68543725	1.73E-09	1.497160581	7.643067206	5.00E-10
Peru	2.333802266	12.03001765	-1.00E-10	1.596202147	8.33153589	1.76E-09
Colombia	2.60693037	12.88004742	-1.50E-08	1.117016812	5.700685386	-3.11E-09
Costa Rica	2.966484272	14.70135226	1.04E-08	1.356601552	6.870329133	-3.30E-10
El Salvador	1.608622114	8.12569952	4.97E-09	1.424183242	7.231172147	4.19E-09
Guatemala	2.646674169	13.213714	1.27E-08	1.976996036	10.24542554	3.07E-09
Honduras	1.433698258	7.08582186	1.74E-09	1.679128062	8.553742968	-8.00E-11
Mexico	1.291630546	6.543185689	-6.30E-10	0.71184239	3.700677897	-3.10E-10
Nicaragua	1.137244473	5.744317294	2.00E-09	0.788634446	3.991009534	3.90E-10
Panama	1.169512759	5.864455398	5.50E-10	0.812190397	4.313334132	1.78E-09
Venezuela (Bolivarian Republic of)	1.64385916	8.258513428	4.30E-10	0.877712894	4.499474252	2.49E-09
Brazil	1.601270197	8.037202444	-2.95E-09	0.783850397	4.021365573	-5.40E-10
Paraguay	0.851756533	4.327300024	9.00E-10	0.703487907	3.633409782	2.10E-10
Algeria	0.318910685	1.923454749	0	0.181710487	1.087388735	0
Bahrain	0.729146735	4.31910238	0	0.327793459	1.994641529	0
Egypt	0.242628278	1.402019267	0	0.360786943	2.160019574	0
Iran (Islamic Republic of)	1.230820312	7.203275449	8.00E-11	0.663872531	4.044057414	4.00E-11
Iraq	0.354608423	2.046197696	0	0.263067835	1.593579652	0
Jordan	0.379400327	2.204421188	0	0.194106395	1.167263469	0
Kuwait	0.290278392	1.564416863	4.00E-11	0.184313656	1.001498198	2.00E-11
Lebanon	0.53792414	3.229169629	0	0.265378391	1.585895688	0
Libya	0.412578596	2.549925974	0	0.332927404	2.064056189	0
Morocco	0.169338678	0.979629408	0	0.126949309	0.784696808	0
Palestine	0.611176542	3.815075756	0	0.31436392	1.871718544	0
Oman	0.608710967	3.554795858	0	0.277903754	1.663460143	0
Qatar	0.846569874	4.922639404	0	0.289038375	1.751643057	0
Saudi Arabia	0.347614491	2.10811869	0	0.188233919	1.109467222	0
Syrian Arab Republic	0.419861261	2.550781582	0	0.305145259	1.8149542	0
Tunisia	0.341712318	2.0282466	0	0.213905838	1.281681574	0
Turkey	1.10665475	6.893891922	0	0.505956365	3.175718846	0
United Arab Emirates	0.773228778	4.725758182	0	0.392089499	2.408928153	0

Table S4 (continued)

Table S4 (continued)

Location_name	1990			2021		
	Val	Upper	Lower	Val	Upper	Lower
Yemen	1.300319576	8.23514979	0	0.980153845	6.441316238	0
Afghanistan	2.066784332	12.88696661	0	1.587045289	10.32087394	0
Bangladesh	0.754105499	3.869992882	3.00E-11	0.428292239	2.19687381	1.80E-10
Bhutan	0.621212374	3.296457502	2.00E-11	0.443257929	2.3965008	1.00E-10
India	0.630487817	3.291848941	9.20E-10	0.454624088	2.306881128	1.06E-09
Nepal	0.656448533	3.486693505	-1.00E-11	0.49489848	2.504592496	1.10E-10
Pakistan	0.410626855	2.154525656	-2.00E-11	0.381395426	1.88524551	-1.90E-10
Angola	0.882637918	5.299282662	0	0.601466462	3.34919688	1.00E-11
Central African Republic	1.10436284	6.270070868	0	0.894756067	5.124073341	1.00E-11
Congo	0.942524535	5.40787001	1.00E-11	0.607802907	3.391948868	-1.00E-11
Democratic Republic of the Congo	0.571340443	3.396141216	0	0.457745098	2.791326322	0
Equatorial Guinea	0.965293432	5.715989915	0	0.447908729	2.518279877	1.00E-11
Gabon	0.791393577	4.514986871	1.00E-11	0.546154338	3.036094049	1.00E-11
Burundi	1.036534327	5.383537687	5.47E-09	0.62055451	3.180461568	2.50E-10
Comoros	0.802065116	4.139501342	3.74E-09	0.552791323	2.827486893	2.70E-10
Djibouti	0.753263523	3.873944881	3.26E-09	0.595936504	3.105350323	5.80E-10
Eritrea	1.141563507	5.884484681	6.28E-09	0.800904322	4.291447475	-1.00E-10
Ethiopia	1.303777348	6.630648786	1.40E-09	0.525351688	2.769690294	-3.80E-10
Kenya	0.516055579	2.785267457	8.00E-11	0.476456589	2.726167608	-2.90E-10
Madagascar	0.732079907	3.896802932	2.77E-09	0.507171183	2.598794873	8.70E-10
Malawi	0.33127235	1.655169603	6.50E-10	0.253821992	1.294195176	5.00E-10
Mauritius	1.329958985	6.681464244	1.69E-09	0.824205121	4.078302549	5.62E-09
Mozambique	0.698591863	3.418283702	4.66E-09	0.638760011	3.341771063	2.00E-11
Rwanda	1.105942058	5.574075084	8.06E-09	0.545159969	2.813524817	1.80E-10
Seychelles	0.869364859	4.363752569	3.36E-09	0.481768353	2.417791886	1.31E-09
Somalia	1.199001227	5.980764159	1.42E-09	0.939266809	4.853425523	5.20E-10
United Republic of Tanzania	0.776416709	3.795050261	3.84E-09	0.504579374	2.533171169	2.79E-09
Uganda	0.749908028	3.824348066	4.05E-09	0.501384328	2.582674539	1.13E-09
Zambia	0.857705595	4.449398543	3.02E-09	0.588822954	3.102206565	9.30E-10
Botswana	0.724278375	4.044314712	6.00E-11	0.358561203	2.013787178	0
Lesotho	0.639790637	3.642566989	2.00E-11	0.813592548	4.672087135	0
Namibia	0.235462776	1.281678726	1.00E-11	0.175072818	0.974883206	0
South Africa	0.489683346	2.720848115	1.00E-11	0.370377907	2.09491	2.00E-11

Table S4 (continued)

Table S4 (continued)

Location_name	1990			2021		
	Val	Upper	Lower	Val	Upper	Lower
Eswatini	0.768509919	4.281373482	-2.00E-11	0.615912612	3.48793567	0
Zimbabwe	0.877017387	4.650552385	4.00E-11	1.022527992	5.366961251	3.00E-11
Benin	0.941231382	4.955536121	1.00E-11	0.731165735	3.788771915	1.00E-10
Burkina Faso	1.02847099	5.502377124	1.00E-11	0.871596205	4.858987292	5.00E-11
Cameroon	0.919499287	4.933943611	0	0.760199522	4.292024683	1.00E-11
Cabo Verde	2.312961846	12.26477719	9.00E-11	1.778310196	9.626357633	0
Chad	0.859640733	4.633586042	2.00E-11	0.996022248	5.478854314	2.00E-11
Côte d'Ivoire	0.339203107	1.778143883	1.00E-11	0.258555283	1.348656468	1.00E-11
Gambia	0.300973767	1.644311495	1.00E-11	0.25630496	1.36358415	1.00E-11
Ghana	0.733099866	3.870054282	2.00E-11	0.613947142	3.132473328	1.30E-10
Guinea	0.794859212	4.227352149	1.00E-11	0.713887068	3.807191784	0
Guinea-Bissau	1.41688843	7.799005396	0	1.180721242	6.361256889	0
Liberia	0.825949325	4.481911426	1.00E-11	0.745442166	4.107473685	2.00E-11
Mali	1.621661058	8.687150626	1.00E-11	1.245028082	6.521882996	2.00E-11
Mauritania	0.902438702	4.843318892	5.00E-11	0.665279541	3.580003177	0
Niger	0.969258824	5.220733616	5.00E-11	0.847994613	4.685103111	9.00E-11
Nigeria	0.255530727	1.400580024	4.00E-11	0.179968018	0.971075732	3.00E-11
Sao Tome and Principe	1.225680551	6.417802838	2.00E-11	1.124163037	5.836134193	2.00E-11
Senegal	0.906210712	4.84728751	0	0.782950634	4.272473611	4.00E-11
Sierra Leone	0.838733156	4.560638016	-1.00E-11	0.76844832	4.238146184	0
Togo	0.879276447	4.730077327	0	0.863556711	4.821739342	3.00E-11
American Samoa	1.45664113	7.894526018	1.00E-11	1.261816004	6.605998773	-6.00E-11
Bermuda	1.01490772	5.260572297	-1.00E-11	0.373341928	2.009921075	-3.00E-11
Cook Islands	0.925953037	4.741777619	3.00E-09	0.492706842	2.483201486	2.53E-09
Greenland	1.539258314	7.858862852	1.20E-10	0.678888927	3.531924597	6.00E-11
Guam	0.742934167	3.741684367	3.13E-09	0.380791886	1.963337242	-6.10E-10
Monaco	0.887002574	4.658280128	-7.00E-11	0.530790083	2.811293655	-4.00E-11
Nauru	2.065957575	10.64702241	-2.43E-09	1.638921245	8.288970211	-3.18E-09
Niue	1.15559151	5.676208657	-3.40E-09	0.919086782	4.571211311	6.10E-10
Northern Mariana Islands	1.375511536	7.048578707	5.12E-09	1.096007335	5.547647913	1.78E-09
Palau	1.973959374	10.20932394	3.40E-10	1.491110114	7.568764734	5.05E-09
Puerto Rico	0.930295833	4.770672844	-8.00E-11	0.32109748	1.687593494	-3.00E-11
Saint Kitts and Nevis	1.309238389	6.718048584	-2.80E-10	0.69190989	3.839900381	-3.00E-11

Table S4 (continued)

Table S4 (*continued*)

Location_name	1990			2021		
	Val	Upper	Lower	Val	Upper	Lower
San Marino	2.015910491	10.43099041	2.80E-10	0.708436465	3.936603621	1.00E-10
Tokelau	1.39433891	7.408196599	-2.90E-10	0.855443787	4.387819667	-3.60E-10
Tuvalu	1.772228705	9.485616218	4.77E-09	1.182622171	6.121414474	3.20E-09
United States Virgin Islands	0.908610456	4.641759834	0	0.417883417	2.150699755	-3.00E-11
South Sudan	0.898010175	4.629034884	2.14E-09	0.753211708	3.939549772	8.50E-10
Sudan	1.095256787	6.663463153	0	0.778375624	5.004222765	0

Table S5 Decomposition analysis of DALYs attributed to high sodium intake-related gastric cancer across SDI and GBD regions from 1990 to 2021 in both sexes

Location_name	Overall_ Difference	Aging	Population	Epidemiological_ Change	Aging_ Percentage	Population_ Percentage	Epidemiological_ Change_Percentage
Global	−41025.28	316783.6	1163696.19	−1521505.06	−772.17	−2836.53	3708.7
Southeast Asia	30994.7	28116.08	49945.74	−47067.11	90.71	161.14	−151.86
East Asia	−3745.6	281707.4	588496.86	−873949.86	−7521.02	−15711.67	23332.69
Oceania	1079.13	546.8	917.86	−385.53	50.67	85.06	−35.73
Central Asia	−8354.31	296.2	16173.32	−24823.83	−3.55	−193.59	297.14
Central Europe	−20238.29	−12764.67	28924.83	−36398.44	63.07	−142.92	179.85
High-income Asia Pacific	−52921.39	12682.46	82845.57	−148449.42	−23.96	−156.54	280.51
Eastern Europe	−94493.13	−55518.69	82276.12	−121250.56	58.75	−87.07	128.32
Australasia	206.01	495.5	1702.2	−1991.69	240.53	826.28	−966.81
Western Europe	−51365.46	−17933.13	66564.28	−99996.62	34.91	−129.59	194.68
Southern Latin America	321.1	324.85	10251.44	−10255.18	101.17	3192.56	−3193.72
High-income North America	995.69	−366.43	20028.49	−18666.37	−36.8	2011.52	−1874.72
Caribbean	1803.2	768.2	4067.68	−3032.69	42.6	225.58	−168.18
Andean Latin America	9717.72	8296.37	10921.59	−9500.24	85.37	112.39	−97.76
Central Latin America	23500.33	21791.82	27556.77	−25848.26	92.73	117.26	−109.99
Tropical Latin America	13283.41	18182.1	26627.6	−31526.3	136.88	200.46	−237.34
North Africa and Middle East	17735.01	19940.27	28241.39	−30446.65	112.43	159.24	−171.68
Central Sub-Saharan Africa	3626.9	2084.7	3518.44	−1976.24	57.48	97.01	−54.49
South Asia	68234.88	45873.54	87159.15	−64797.81	67.23	127.73	−94.96
Eastern Sub-Saharan Africa	4753.59	6256.83	13766.95	−15270.2	131.62	289.61	−321.24
Western Sub-Saharan Africa	10932.92	4822.27	10792.91	−4682.26	44.11	98.72	−42.83
Southern Sub- Saharan Africa	2908.31	1063.59	3440.57	−1595.84	36.57	118.3	−54.87
High-middle SDI	−102155.76	37041.67	387104.47	−526301.9	−36.26	−378.94	515.2
Low SDI	25809.29	17380.38	41984.94	−33556.04	67.34	162.67	−130.02
High SDI	−90922.02	−4798.03	179000.5	−265124.48	5.28	−196.87	291.6
Low-middle SDI	81245.55	46420.91	110294.62	−75469.98	57.14	135.75	−92.89
Middle SDI	45242.31	250517.38	445499.94	−650775.01	553.72	984.7	−1438.42

Table S6 Decomposition analysis of DALYs attributed to high sodium intake-related gastric cancer across SDI and GBD regions from 1990 to 2021 in males

Location_name	Overall_Difference	Aging	Population	Epidemiological_Change	Aging_Percentage	Population_Percentage	Epidemiological_Change_Percentage
Global	10231.96	238328.58	771978.83	−1000075.45	2329.26	7544.78	−9774.03
Southeast Asia	22525.65	17901.1	30106.13	−25481.58	79.47	133.65	−113.12
East Asia	31074.7	193839.97	408033.97	−570799.24	623.79	1313.07	−1836.86
Oceania	692.81	371.73	610.23	−289.15	53.66	88.08	−41.74
Central Asia	−4630.63	1393.54	10620.57	−16644.74	−30.09	−229.36	359.45
Central Europe	−13032.16	−7738.4	18832.33	−24126.08	59.38	−144.51	185.13
High-income Asia Pacific	−30399.77	14419.8	53797.39	−98616.96	−47.43	−176.97	324.4
Eastern Europe	−59064.32	−29458.14	52055.71	−81661.89	49.87	−88.13	138.26
Australasia	152.91	444.16	1143.8	−1435.05	290.47	748.03	−938.5
Western Europe	−30235.69	−5583.32	42432.02	−67084.39	18.47	−140.34	221.87
Southern Latin America	293.86	259.92	6886.58	−6852.64	88.45	2343.5	−2331.95
High-income North America	1145.57	1418.32	12575.45	−12848.2	123.81	1097.75	−1121.55
Caribbean	1100.52	434.62	2566.71	−1900.82	39.49	233.23	−172.72
Andean Latin America	5198.06	4624.69	6139.19	−5565.82	88.97	118.11	−107.07
Central Latin America	13803.37	11649.79	15734.27	−13580.7	84.4	113.99	−98.39
Tropical Latin America	7850.21	11501.87	17712.61	−21364.27	146.52	225.63	−272.15
North Africa and Middle East	11752.97	14343.53	19435.52	−22026.07	122.04	165.37	−187.41
Central Sub-Saharan Africa	2083.04	1284.81	2128.81	−1330.58	61.68	102.2	−63.88
South Asia	41204.43	25369.69	55809.95	−39975.21	61.57	135.45	−97.02
Eastern Sub-Saharan Africa	1560.94	2782.38	7111.54	−8332.97	178.25	455.59	−533.84
Western Sub-Saharan Africa	5676.1	1787.69	6066.35	−2177.93	31.49	106.88	−38.37
Southern Sub-Saharan Africa	1479.39	609.27	2014.35	−1144.22	41.18	136.16	−77.34
High-middle SDI	−53297.43	48234.03	265969.53	−367500.98	−90.5	−499.03	689.53
Low SDI	13363.93	8676.95	24167.8	−19480.82	64.93	180.84	−145.77
High SDI	−51343.77	13124.13	116169.82	−180637.72	−25.56	−226.26	351.82
Low-middle SDI	49793.16	24508.93	68315.21	−43030.99	49.22	137.2	−86.42
Middle SDI	51871.74	162287.68	297511.16	−407927.1	312.86	573.55	−786.41

Table S7 Decomposition analysis of DALYs attributed to high sodium intake-related gastric cancer across SDI and GBD regions from 1990 to 2021 in females

Location_name	Overall_ Difference	Aging	Population	Epidemiological_ Change	Aging_ Percentage	Population_ Percentage	Epidemiological_ Change_Percentage
Global	-51257.24	93585.37	388736.62	-533579.23	-182.58	-758.4	1040.98
Southeast Asia	8469.05	10308.38	19739.49	-21578.82	121.72	233.08	-254.8
East Asia	-34820.3	87051.53	178034.86	-299906.7	-250	-511.3	861.3
Oceania	386.32	176.48	304.9	-95.06	45.68	78.92	-24.61
Central Asia	-3723.68	-482.12	5545.29	-8786.86	12.95	-148.92	235.97
Central Europe	-7206.13	-4272.96	10036.94	-12970.11	59.3	-139.28	179.99
High-income Asia Pacific	-22521.62	3297.39	29327.93	-55146.94	-14.64	-130.22	244.86
Eastern Europe	-35428.8	-21721.1	30213.88	-43921.59	61.31	-85.28	123.97
Australasia	53.1	125.41	560.54	-632.85	236.18	1055.67	-1191.84
Western Europe	-21129.77	-8245.76	24277.99	-37162	39.02	-114.9	175.88
Southern Latin America	27.25	166.91	3334.74	-3474.4	612.6	12239.69	-12752.3
High-income North America	-149.88	-975	7452.42	-6627.3	650.51	-4972.18	4421.67
Caribbean	702.67	297.56	1487.88	-1082.76	42.35	211.75	-154.09
Andean Latin America	4519.66	3641.55	4764.31	-3886.21	80.57	105.41	-85.98
Central Latin America	9696.96	9813.11	11756.1	-11872.24	101.2	121.23	-122.43
Tropical Latin America	5433.2	6261.72	8780.96	-9609.48	115.25	161.62	-176.87
North Africa and Middle East	5982.04	5747.93	8720.96	-8486.85	96.09	145.79	-141.87
Central Sub-Saharan Africa	1543.86	809.51	1384.17	-649.82	52.43	89.66	-42.09
South Asia	27030.44	17983.23	30922.22	-21875.01	66.53	114.4	-80.93
Eastern Sub-Saharan Africa	3192.65	3358.21	6634.99	-6800.55	105.19	207.82	-213.01
Western Sub-Saharan Africa	5256.81	2798.92	4713.1	-2255.21	53.24	89.66	-42.9
Southern Sub- Saharan Africa	1428.93	432.6	1418.88	-422.55	30.27	99.3	-29.57
High-middle SDI	-48858.33	4116.87	120721.16	-173696.36	-8.43	-247.08	355.51
Low SDI	12445.36	8242.14	17717.43	-13514.21	66.23	142.36	-108.59
High SDI	-39578.25	-7598.91	63061.07	-95040.4	19.2	-159.33	240.13
Low-middle SDI	31452.4	19636.22	41594.38	-29778.2	62.43	132.25	-94.68
Middle SDI	-6629.43	84076.32	146002.61	-236708.37	-1268.23	-2202.34	3570.57