

SUPPLEMENTARY APPENDIX:**Global burden of oesophageal and gastric cancer by subsite and histology in 2018**

Melina Arnold, Jacques Ferlay, Mark I van Berge Henegouwen, Isabelle Soerjomataram

Contents

Supplementary Table 1: Methods used to obtain subtype proportions of oesophageal (OC) and gastric cancers (GC), by country	3
Supplementary Table 2: Estimated numbers and proportions of oesophageal and gastric cancers in 2018 by sex and subtype, world region and Human Development Index.....	5
Supplementary Table 3: Estimated age-standardised incidence rates (ASR) per 100,000 person-years and number of cases (N) of adenocarcinoma and squamous cell carcinoma of the oesophagus by country and sex in 2018	6
Supplementary Table 4: Estimated age-standardised incidence rates (ASR) per 100,000 person-years and number of cases (N) of cardia and non-cardia gastric cancer by country and sex in 2018.....	9
Supplementary Table 5: Estimated numbers and proportions of oesophageal and gastric cancers in 2018 by subtype, world region and Human Development Index, both sexes combined (SECONDARY ANALYSIS)	12
Supplementary Table 6: Estimated numbers and proportions of oesophageal and gastric cancers in 2018 by sex, subtype, world region and Human Development Index (SECONDARY ANALYSIS)	13
Supplementary Table 7: Estimated age-standardised incidence rates (ASR) per 100,000 person-years and number of cases (N) of adenocarcinoma and squamous cell carcinoma of the oesophagus by country and sex in 2018 (SECONDARY ANALYSIS).....	14
Supplementary Table 8: Estimated age-standardised incidence rates (ASR) per 100,000 person-years and number of cases (N) of cardia and non-cardia gastric cancer by country and sex in 2018 (SECONDARY ANALYSIS).....	17
Supplementary Figure 1: Global estimates of oesophageal and gastric cancer by subsite/-type and Human Development Index (HDI), 2018	20
Supplementary Figure 2: Age-standardised incidence rates (World) per 100,000 of oesophageal and gastric cancer by subsite/-type and Human Development Index (HDI), both sexes combined, 2018.....	21
Supplementary Figure 3: Correlation between age-standardised incidence rates of oesophageal and gastric cancer by subsite/-type and human development index (HDI) in both sexes combined, 2018	22
Supplementary Figure 4: Global estimates of oesophageal and gastric cancer by subsite/-type and world region for males and females, 2018	23
Supplementary Figure 5: Age-standardised incidence rates (ASR) per 100,000 person-years of oesophageal adenocarcinoma in females in 2018	24
Supplementary Figure 6: Age-standardised incidence rates (ASR) per 100,000 person-years of oesophageal squamous cell carcinoma in females in 2018	25
Supplementary Figure 7: Age-standardised incidence rates (ASR) per 100,000 person-years of cardia gastric cancer in females in 2018	26
Supplementary Figure 8: Age-standardised incidence rates (ASR) per 100,000 person-years of non-cardia gastric cancer in females in 2018	27
Supplementary Figure 9: Age-standardised incidence rates (ASR) per 100,000 person-years of oesophageal adenocarcinoma in males in 2018	28

Supplementary Figure 10: Age-standardised incidence rates (ASR) per 100,000 person-years of oesophageal squamous cell carcinoma in males in 2018.....	29
Supplementary Figure 11: Age-standardised incidence rates (ASR) per 100,000 person-years of cardia gastric cancer in males in 2018	30
Supplementary Figure 12: Age-standardised incidence rates (ASR) per 100,000 person-years of non-cardia gastric cancer in males in 2018	31

Supplementary Table 1: Methods used to obtain subtype proportions of oesophageal (OC) and gastric cancers (GC), by country

Country	OC	GC	Country	OC	GC
Afghanistan	region	region	Latvia	country	country
Albania	region	region	Lebanon	country	region
Algeria	country	region	Lesotho	region	region
Angola	region	region	Liberia	region	region
Argentina	country	region	Libya	region	region
Armenia	region	region	Lithuania	country	country
Australia	country	country	Luxembourg	region	region
Austria	country	country	Madagascar	region	region
Azerbaijan	region	region	Malawi	region	region
Bahamas	region	region	Malaysia	region	region
Bahrain	region	region	Maldives	region	region
Bangladesh	region	region	Mali	region	region
Barbados	region	region	Malta	region	country
Belarus	country	country	Mauritania	region	region
Belgium	country	country	Mauritius	country	region
Belize	region	region	Mexico	region	region
Benin	region	region	Mongolia	region	region
Bhutan	region	region	Montenegro	region	region
Bolivia (Plurinational State of)	region	region	Morocco	country	region
Bosnia and Herzegovina	region	region	Mozambique	region	region
Botswana	country	region	Myanmar	region	region
Brazil	country	country	Namibia	region	region
Brunei Darussalam	region	region	Nepal	region	region
Bulgaria	country	country	Netherlands	country	country
Burkina Faso	region	region	New Caledonia	region	region
Burundi	region	region	New Zealand	country	country
Cabo Verde	region	region	Nicaragua	region	region
Cambodia	region	region	Niger	region	region
Cameroon	region	region	Nigeria	region	region
Canada	country	country	Norway	country	country
Central African Republic	region	region	Oman	country	region
Chad	region	region	Pakistan	region	region
Chile	country	region	Panama	region	region
China	country	country	Papua New Guinea	region	region
Colombia	country	country	Paraguay	region	region
Comoros	region	region	Peru	country	country
Congo	region	region	Philippines	country	region
Costa Rica	country	region	Poland	country	country
Cote d'Ivoire	region	region	Portugal	country	country
Croatia	country	region	Puerto Rico	country	country
Cuba	region	region	Qatar	region	region
Cyprus	region	country	Republic of Korea	country	country
Czechia	country	country	Republic of Moldova	region	region
Democratic Republic of the Congo	region	region	Romania	country	country
Denmark	region	region	Russian Federation	country	country
Djibouti	region	region	Rwanda	region	region
Dominican Republic	region	region	Saint Lucia	region	region
Ecuador	country	country	Samoa	region	region
Egypt	region	region	Sao Tome and Principe	region	region
El Salvador	region	region	Saudi Arabia	country	country
Equatorial Guinea	region	region	Senegal	region	region
Eritrea	region	region	Serbia	country	country

Country	OC	GC	Country	OC	GC
Estonia	region	country	Sierra Leone	region	region
Ethiopia	region	region	Singapore	region	region
Fiji	region	region	Slovakia	country	country
Finland	region	region	Slovenia	region	country
France	country	country	Solomon Islands	region	region
France, Guadeloupe	region	country	Somalia	region	region
France, La Reunion	region	region	South Africa	region	region
France, Martinique	region	country	South Sudan	region	region
French Guyana	region	region	Spain	country	country
French Polynesia	region	region	Sri Lanka	region	region
Gabon	region	region	State of Palestine	region	region
Gambia	region	region	Sudan	region	region
Georgia	region	region	Suriname	region	region
Germany	country	country	Swaziland	region	region
Ghana	region	region	Sweden	region	region
Greece	region	region	Switzerland	country	country
Guam	region	region	Syrian Arab Republic	region	region
Guatemala	region	region	Tajikistan	region	region
Guinea	region	region	Thailand	country	region
Guinea-Bissau	region	region	The former Yugoslav Republic of Macedonia	region	region
Guyana	region	region	Timor-Leste	region	region
Haiti	region	region	Togo	region	region
Honduras	region	region	Trinidad and Tobago	region	region
Hungary	region	region	Tunisia	country	country
Iceland	region	region	Turkey	country	country
India	country	region	Turkmenistan	region	region
Indonesia	region	region	Uganda	country	region
Iran (Islamic Republic of)	country	country	Ukraine	country	country
Iraq	region	region	United Arab Emirates	region	region
Ireland	country	country	United Kingdom	country	country
Israel	country	country	United Republic of Tanzania	region	region
Italy	country	country	United States of America	country	country
Jamaica	region	region	Uruguay	country	region
Japan	country	country	Uzbekistan	region	region
Jordan	country	country	Vanuatu	region	region
Kazakhstan	country	country	Venezuela (Bolivarian Republic of)	region	region
Kenya	country	region	Viet Nam	region	country
Korea, Democratic People Republic of	region	region	Yemen	region	region
Kuwait	region	region	Zambia	country	region
Kyrgyzstan	region	region	Zimbabwe	country	region
Lao People's Democratic Republic	region	region			

Supplementary Table 2: Estimated numbers and proportions of oesophageal and gastric cancers in 2018 by sex and subtype, world region and Human Development Index

	Males								Females							
	OAC		OSCC		CGC		NCGC		OAC		OSCC		CGC		NCGC	
	N	(%)*	N	(%)*	N	(%)*	N	(%)*	N	(%)*	N	(%)*	N	(%)*	N	(%)*
Sub-Saharan Africa	1613	11%	12545	88%	641	5%	11860	95%	1386	12%	9774	87%	344	3%	10588	97%
Northern Africa	691	43%	893	55%	475	11%	4034	89%	293	20%	1156	79%	249	8%	2929	92%
Caribbean + Central America	922	34%	1753	64%	1522	17%	7579	83%	243	29%	579	68%	708	9%	7090	91%
South America	3693	29%	8890	70%	2671	9%	27049	91%	1326	28%	3299	71%	1026	5%	19306	95%
Northern America	12833	71%	4699	26%	7407	40%	11076	60%	2012	43%	2465	53%	2058	19%	8729	81%
Eastern Asia	20858	9%	214219	90%	91255	21%	337186	79%	7663	8%	89566	91%	30189	16%	160830	84%
South-Eastern Asia	985	9%	9316	89%	2158	9%	21355	91%	326	13%	2084	85%	697	5%	13818	95%
South Central Asia	5360	9%	52761	90%	10159	17%	51377	83%	1912	6%	32265	94%	4250	14%	27033	86%
Western Asia	769	37%	1236	60%	2545	21%	9685	79%	317	17%	1494	80%	1172	16%	6253	84%
Eastern Europe	1946	15%	10655	84%	4658	12%	33769	88%	524	18%	2346	81%	2098	8%	23957	92%
Northern Europe	6517	72%	2318	26%	2143	30%	4948	70%	1594	41%	2097	54%	729	18%	3390	82%
Southern Europe	1516	29%	3521	68%	2605	14%	15655	86%	313	24%	958	74%	780	7%	10747	93%
Western Europe	6343	46%	7126	52%	5866	33%	11922	67%	1335	31%	2796	66%	1480	15%	8318	85%
Oceania	1128	68%	502	30%	816	38%	1338	62%	195	30%	423	66%	262	22%	917	78%
low HDI	1510	14%	8892	85%	1042	9%	11039	91%	1192	13%	7762	86%	507	5%	9255	95%
medium HDI	6655	10%	60593	90%	9992	12%	70350	88%	2510	7%	34061	93%	3990	9%	41310	91%
high HDI	25209	11%	211063	89%	92696	24%	288523	76%	9283	9%	92844	90%	31451	18%	146379	82%
very high HDI	31801	38%	49885	60%	31191	15%	178921	85%	6453	27%	16634	70%	10095	9%	106960	91%
World	65174	16%	330434	83%	134921	20%	548833	80%	19439	11%	151302	88%	46042	13%	303905	87%

*row percentage out of all oesophageal cancers (C15) for OAC and OSCC and out of all gastric cancers (C16) for CGC and NCGC; other oesophageal subtypes not shown
 OAC: oesophageal adenocarcinoma; OSCC: oesophageal squamous cell carcinoma; CGC: cardia gastric cancer; NCGC: non-cardia gastric cancer

Supplementary Table 3: Estimated age-standardised incidence rates (ASR) per 100,000 person-years and number of cases (N) of adenocarcinoma and squamous cell carcinoma of the oesophagus by country and sex in 2018

Country	Oesophageal Adenocarcinoma						Oesophageal Squamous Cell Carcinoma					
	Both sexes		Males		Females		Both sexes		Males		Females	
	ASR	N	ASR	N	ASR	N	ASR	N	ASR	N	ASR	N
Afghanistan	0.7	103	0.9	70	0.4	33	7.5	1,202	8.7	675	6.4	527
Albania	0.2	15	0.5	13	0.1	2	0.6	37	1.1	31	0.2	6
Algeria	0.3	111	0.4	79	0.2	32	0.5	206	0.4	89	0.6	117
Angola	0.3	39	0.4	25	0.2	15	2.2	297	3.2	188	1.5	109
Argentina	1.1	738	2.0	549	0.4	189	2.4	1,551	3.5	951	1.5	600
Armenia	0.4	17	0.7	14	0.1	3	0.7	34	1.1	20	0.5	13
Australia	2.0	955	3.6	819	0.5	135	1.3	687	1.7	387	1.0	299
Austria	1.0	191	1.8	155	0.3	36	1.6	277	2.6	213	0.6	64
Azerbaijan	1.7	175	2.8	125	0.8	50	3.8	404	4.0	184	3.6	220
Bahamas	0.6	3	1.2	3	0.1	0	1.2	6	2.3	6	0.3	1
Bahrain	0.4	3	0.5	2	0.2	1	0.8	6	0.7	3	0.9	3
Bangladesh	1.2	1,658	1.7	1,219	0.6	439	13.5	19,147	16.9	12,200	10.1	6,947
Barbados	0.4	3	0.7	2	0.1	1	0.7	5	1.3	4	0.3	1
Belarus	0.4	73	1.0	63	0.1	9	3.0	485	6.8	450	0.3	35
Belgium	2.0	490	3.5	398	0.6	92	2.5	581	3.5	372	1.6	209
Belize	0.3	1	0.5	1	0.0	0	0.5	1	1.0	1	0.0	0
Benin	0.7	40	0.8	22	0.6	18	5.1	297	6.2	168	4.0	129
Bhutan	0.6	4	0.7	3	0.4	1	6.2	40	6.7	23	5.7	17
Bolivia (Plurinational State of)	0.4	40	0.6	31	0.2	9	1.1	105	1.6	79	0.5	26
Bosnia and Herzegovina	0.6	40	1.1	34	0.1	6	1.6	108	2.8	87	0.6	21
Botswana	0.4	6	0.9	5	0.1	1	6.5	98	10.9	68	3.4	31
Brazil	1.3	3,320	2.1	2,404	0.6	916	3.1	8,004	5.3	6,192	1.2	1,812
Brunei Darussalam	0.1	0	0.3	0	0.0	0	1.4	4	2.9	4	0.0	0
Bulgaria	0.4	62	0.8	53	0.1	9	1.3	183	2.3	149	0.4	34
Burkina Faso	0.1	13	0.2	7	0.1	6	1.0	104	1.3	56	0.8	48
Burundi	1.2	60	1.8	41	0.7	19	8.9	459	13.0	317	5.2	141
Cabo Verde	1.3	5	2.4	4	0.4	1	9.1	34	17.6	30	2.5	4
Cambodia	0.2	27	0.4	19	0.1	8	2.2	257	4.1	201	0.8	56
Cameroon	0.2	19	0.1	7	0.2	12	1.1	146	1.0	63	1.2	83
Canada	2.2	1,651	3.9	1,417	0.5	234	1.1	891	1.5	562	0.7	329
Central African Republic	0.3	7	0.2	3	0.3	4	2.0	51	1.8	21	2.1	30
Chad	0.2	15	0.3	8	0.2	7	1.8	113	2.0	61	1.5	52
Chile	0.3	92	0.5	69	0.1	23	2.1	678	2.5	334	1.8	344
China	1.2	27,098	1.8	19,720	0.6	7,378	12.6	277,882	17.7	192,598	7.5	85,283
Colombia	0.6	370	1.1	295	0.2	75	0.9	548	1.4	355	0.6	193
Comoros	0.9	4	1.0	2	0.9	2	7.0	31	7.6	17	6.2	14
Congo	0.1	2	0.1	1	0.1	2	0.6	17	0.4	6	0.8	11
Costa Rica	0.5	34	0.8	25	0.2	9	0.8	60	1.2	40	0.5	19
Côte d'Ivoire	0.1	11	0.1	4	0.1	7	0.7	78	0.4	30	0.9	48
Croatia	0.5	47	0.9	37	0.2	11	1.9	158	3.3	123	0.6	35
Cuba	1.7	365	3.2	322	0.3	43	3.4	717	6.0	613	0.8	103
Cyprus	0.3	6	0.5	4	0.1	2	0.8	16	1.2	10	0.5	5
Czechia	1.4	311	2.7	260	0.4	51	2.1	415	3.5	320	0.8	94
Democratic Republic of the Congo	0.2	94	0.2	49	0.2	45	1.7	708	1.7	387	1.6	321
Denmark	3.4	430	5.9	357	1.0	73	1.7	222	2.1	125	1.4	97
Djibouti	0.4	3	0.3	1	0.5	2	3.2	22	2.5	9	3.9	13
Dominican Republic	0.6	67	1.0	50	0.3	17	1.3	136	1.9	96	0.7	40
Ecuador	0.4	69	0.6	49	0.2	19	0.8	145	1.3	114	0.3	31
Egypt	0.4	342	0.7	248	0.2	94	0.9	672	0.9	317	0.8	355
El Salvador	0.4	32	0.6	21	0.2	11	0.8	67	1.2	41	0.5	26
Equatorial Guinea	0.2	1	0.3	1	0.2	0	1.7	11	2.0	7	1.3	4
Eritrea	0.5	13	0.4	5	0.5	8	3.5	95	2.9	39	3.9	56
Estonia	1.9	50	4.2	44	0.3	6	0.9	24	1.5	16	0.4	8
Ethiopia	0.3	200	0.2	67	0.4	133	2.7	1,547	1.9	538	3.3	1,009
Fiji	1.3	12	2.2	10	0.5	2	1.0	9	0.9	4	1.0	5
Finland	1.5	194	2.6	154	0.4	39	0.8	106	0.9	54	0.6	52
France	1.2	1,777	2.2	1,492	0.3	286	2.6	3,527	4.2	2,619	1.2	909
France, Guadeloupe	1.1	9	2.1	8	0.2	1	2.1	18	4.0	15	0.6	3
France, La Réunion	0.5	7	1.0	6	0.1	1	4.2	56	7.7	48	1.1	8
France, Martinique	0.7	7	1.4	6	0.2	1	1.4	14	2.6	11	0.5	3
French Guyana	0.9	2	1.7	2	0.2	0	2.4	6	4.4	5	0.6	1
French Polynesia	2.4	8	4.7	8	0.0	0	1.0	4	2.0	4	0.0	0
Gabon	0.3	4	0.4	3	0.2	1	2.4	34	3.2	23	1.5	11
Gambia	0.0	1	0.1	0	0.0	0	0.4	5	0.5	4	0.4	2
Georgia	0.3	26	0.7	22	0.1	4	0.6	47	1.0	31	0.4	17
Germany	1.7	3,264	2.9	2,650	0.5	614	2.3	4,411	3.5	3,182	1.2	1,229
Ghana	0.3	40	0.4	29	0.1	11	1.8	265	2.9	194	0.9	70

Country	Oesophageal Adenocarcinoma						Oesophageal Squamous Cell Carcinoma					
	Both sexes		Males		Females		Both sexes		Males		Females	
	ASR	N	ASR	N	ASR	N	ASR	N	ASR	N	ASR	N
Greece	0.3	73	0.5	59	0.1	13	0.7	187	1.3	145	0.2	42
Guam	1.4	3	2.5	3	0.3	0	0.9	2	1.1	1	0.6	1
Guatemala	0.4	47	0.6	31	0.2	15	0.8	96	1.1	60	0.5	36
Guinea	0.1	3	0.1	3	0.0	0	0.4	24	0.7	20	0.1	4
Guinea-Bissau	0.3	2	0.4	1	0.2	1	2.1	17	2.6	9	1.7	9
Guyana	0.2	2	0.3	1	0.1	0	0.6	4	0.8	3	0.4	1
Haiti	0.7	59	0.8	30	0.7	29	1.6	127	1.5	58	1.6	69
Honduras	0.4	27	0.5	16	0.3	10	0.8	56	1.0	31	0.6	25
Hungary	0.8	140	1.4	115	0.2	25	3.5	597	6.6	506	0.9	91
Iceland	2.7	17	5.0	15	0.4	2	1.2	8	1.8	5	0.6	3
India	0.3	3,811	0.5	2,929	0.1	881	3.8	48,332	5.0	30,800	2.7	17,531
Indonesia	0.0	109	0.1	76	0.0	34	0.4	1,031	0.7	790	0.2	241
Iran (Islamic Republic of)	0.8	600	1.1	403	0.6	197	5.1	3,759	5.5	2,070	4.7	1,689
Iraq	0.2	49	0.4	35	0.1	14	0.6	119	0.6	52	0.6	67
Ireland	2.9	246	4.9	194	1.0	52	2.2	198	2.4	99	2.0	99
Israel	0.5	60	0.8	48	0.2	12	0.6	79	0.6	38	0.6	41
Italy	0.4	650	0.8	527	0.1	123	0.9	1,426	1.5	993	0.5	433
Jamaica	0.7	27	1.1	21	0.3	6	1.4	54	2.1	39	0.7	15
Japan	0.3	959	0.4	746	0.1	214	5.0	18,635	8.7	15,171	1.8	3,464
Jordan	0.3	21	0.6	18	0.1	3	0.6	38	0.6	19	0.6	19
Kazakhstan	0.8	150	1.2	93	0.5	57	7.3	1,455	10.1	797	5.4	658
Kenya	2.0	455	2.3	237	1.8	219	16.4	3,918	19.2	2,140	14.0	1,777
Korea, Democratic People Republic of	0.3	103	0.6	82	0.1	21	3.7	1,320	7.4	1,085	1.0	235
Kuwait	0.5	10	0.8	8	0.3	2	1.0	22	1.0	13	1.0	9
Kyrgyzstan	0.3	14	0.5	9	0.2	5	3.4	156	4.5	84	2.6	72
Lao People's Democratic Republic	0.4	18	0.7	16	0.1	2	3.8	187	7.4	172	0.6	15
Latvia	0.4	17	0.9	14	0.1	3	3.2	122	7.1	108	0.5	13
Lebanon	0.4	27	0.5	18	0.3	9	0.3	23	0.4	13	0.3	10
Lesotho	0.6	9	1.1	6	0.3	2	4.3	60	8.0	44	2.0	17
Liberia	0.1	2	0.1	1	0.1	1	0.4	11	0.4	5	0.5	6
Libya	0.3	14	0.6	13	0.0	1	0.5	22	0.8	17	0.1	5
Lithuania	0.4	25	0.8	18	0.2	7	3.5	181	7.4	162	0.5	20
Luxembourg	1.7	18	3.0	16	0.5	3	1.8	20	2.8	15	0.9	5
Madagascar	0.9	125	1.1	68	0.8	58	6.9	957	8.0	524	5.9	433
Malawi	2.1	204	2.5	105	1.8	98	16.5	1,637	19.6	854	14.3	783
Malaysia	0.1	41	0.2	26	0.1	15	1.2	376	1.8	269	0.7	107
Maldives	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0
Mali	0.2	21	0.2	10	0.2	11	1.7	169	1.8	84	1.6	85
Malta	0.5	6	1.0	5	0.1	1	1.3	15	2.4	12	0.4	4
Mauritania	0.1	4	0.1	2	0.1	2	1.0	27	1.0	13	1.0	14
Mauritius	0.6	12	1.0	9	0.3	3	2.4	47	3.7	33	1.2	15
Mexico	0.3	398	0.5	315	0.1	82	0.6	797	1.0	602	0.3	196
Mongolia	1.4	30	1.6	15	1.3	15	16.9	363	20.1	186	14.6	177
Montenegro	0.4	5	0.8	4	0.1	0	1.1	13	2.1	11	0.3	2
Morocco	0.4	141	0.6	103	0.2	38	0.8	303	0.8	148	0.8	155
Mozambique	0.8	121	0.8	52	0.8	69	6.0	932	6.0	406	5.9	526
Myanmar	0.6	321	0.9	226	0.3	94	5.8	3,120	9.8	2,447	2.4	673
Namibia	0.2	3	0.3	2	0.1	1	1.3	19	2.2	13	0.7	6
Nepal	0.2	43	0.2	21	0.2	22	2.1	519	1.8	209	2.4	310
Netherlands	4.4	1,653	7.8	1,395	1.2	258	2.0	747	2.7	480	1.3	267
New Caledonia	1.8	7	3.7	7	0.0	0	0.8	3	1.6	3	0.0	0
New Zealand	2.3	223	4.3	191	0.6	32	1.3	133	1.4	63	1.3	70
Nicaragua	0.2	11	0.3	8	0.1	2	0.4	22	0.6	16	0.1	5
Niger	0.2	17	0.4	16	0.0	1	1.3	120	2.6	112	0.1	8
Nigeria	0.1	69	0.1	47	0.0	22	0.6	499	0.8	341	0.3	158
Norway	2.0	208	3.4	175	0.5	33	1.2	131	1.8	95	0.6	36
Oman	0.5	11	0.4	6	0.5	5	0.8	21	0.5	11	1.1	10
Pakistan	0.4	620	0.6	437	0.3	183	5.0	7,296	5.8	4,254	4.2	3,042
Panama	0.4	22	0.8	18	0.1	4	0.9	44	1.5	33	0.4	10
Papua New Guinea	2.2	113	3.9	88	0.9	25	1.7	88	1.8	39	1.7	49
Paraguay	1.1	70	1.9	58	0.3	11	2.9	182	5.0	151	0.9	31
Peru	0.3	102	0.4	68	0.2	34	1.0	340	1.4	233	0.6	107
Philippines	0.4	334	0.7	256	0.2	78	0.9	703	1.5	545	0.3	158
Poland	0.3	227	0.5	179	0.1	47	2.2	1,560	3.8	1,203	0.8	358
Portugal	0.5	125	1.1	109	0.1	16	2.8	569	5.7	518	0.3	50
Puerto Rico	0.7	46	1.3	37	0.2	10	1.4	98	2.5	73	0.5	24
Qatar	0.6	4	0.6	3	0.5	1	1.4	8	0.7	5	1.9	3
Republic of Korea	0.1	96	0.2	77	0.0	19	2.5	2,443	4.9	2,232	0.3	211
Republic of Moldova	0.4	24	0.7	19	0.1	4	1.6	103	3.3	87	0.4	15
Romania	0.3	111	0.4	71	0.1	41	1.8	616	3.3	525	0.4	91
Russian Federation	0.4	1,097	0.8	841	0.1	256	2.7	6,810	5.4	5,390	0.8	1,419
Rwanda	0.4	25	0.4	14	0.3	11	2.7	192	3.1	112	2.4	80
Saint Lucia	0.4	1	0.9	1	0.0	0	0.8	2	1.7	2	0.0	0
Samoa	0.5	1	1.0	1	0.0	0	0.2	0	0.5	0	0.0	0

Country	Oesophageal Adenocarcinoma						Oesophageal Squamous Cell Carcinoma					
	Both sexes			Males		Females	Both sexes			Males		Females
	ASR	N	ASR	N	ASR	N	ASR	N	ASR	N	ASR	N
Sao Tome and Principe	0.1	0	0.0	0	0.2	0	0.8	1	0.0	0	1.4	1
Saudi Arabia	0.5	103	0.7	87	0.2	16	0.7	154	0.6	75	0.8	79
Senegal	0.2	13	0.2	7	0.1	6	1.1	95	1.5	53	0.9	42
Serbia	0.5	75	0.9	61	0.2	14	2.2	322	3.8	260	0.7	62
Sierra Leone	0.1	4	0.1	2	0.1	2	0.8	34	0.8	18	0.8	16
Singapore	0.2	26	0.4	19	0.1	7	2.1	239	3.6	186	0.7	53
Slovakia	0.5	52	1.0	44	0.1	8	3.3	304	6.5	274	0.5	30
Slovenia	0.7	32	1.2	26	0.2	5	1.9	83	3.3	66	0.7	17
Solomon Islands	0.2	1	0.5	1	0.0	0	0.1	0	0.2	0	0.0	0
Somalia	0.9	60	0.9	30	0.9	30	6.6	463	6.9	238	6.4	225
South Africa	0.9	445	1.4	257	0.7	187	6.8	3,241	10.0	1,916	4.7	1,325
South Sudan	0.9	61	1.1	36	0.7	26	6.7	460	8.2	272	5.3	189
Spain	0.7	744	1.3	625	0.2	119	1.6	1,515	2.7	1,238	0.5	277
Sri Lanka	0.4	115	0.6	74	0.3	41	4.6	1,319	5.4	693	4.0	625
State of Palestine	0.2	5	0.3	4	0.1	1	0.5	12	0.5	6	0.4	6
Sudan	1.4	338	1.9	219	1.0	119	3.3	774	2.5	289	4.0	485
Suriname	0.1	1	0.3	1	0.0	0	0.4	2	0.8	2	0.0	0
Swaziland	0.3	2	0.6	2	0.1	1	2.3	18	4.3	13	1.0	4
Sweden	1.6	361	2.8	309	0.4	52	0.8	176	1.0	108	0.6	69
Switzerland	1.5	284	2.7	236	0.4	48	2.0	359	2.9	246	1.2	113
Syrian Arab Republic	0.2	31	0.4	23	0.1	8	0.5	71	0.6	34	0.5	36
Tajikistan	0.9	49	1.3	33	0.6	16	10.1	567	11.8	311	8.6	255
Thailand	0.2	217	0.3	170	0.1	47	3.0	3,311	5.5	2,823	0.8	488
The former Yugoslav Republic of Macedonia	0.3	11	0.6	10	0.1	1	0.9	30	1.6	26	0.2	5
Timor-Leste	0.1	0	0.1	0	0.0	0	0.5	4	0.8	3	0.3	1
Togo	0.3	12	0.4	7	0.2	4	2.1	91	2.9	57	1.4	35
Trinidad and Tobago	0.4	8	0.7	7	0.1	1	0.8	15	1.4	13	0.2	2
Tunisia	0.3	37	0.4	29	0.1	9	0.5	73	0.5	33	0.5	39
Turkey	0.3	326	0.5	225	0.2	102	1.2	1,109	1.3	540	1.1	569
Turkmenistan	0.7	32	1.1	20	0.5	12	8.4	374	10.1	192	7.2	182
Uganda	0.9	145	1.5	104	0.5	41	9.9	1,604	16.3	1,178	4.8	426
Ukraine	0.5	373	0.9	299	0.1	73	2.5	1,928	5.6	1,750	0.3	178
United Arab Emirates	0.5	12	0.6	10	0.2	2	0.9	24	0.8	16	1.0	8
United Kingdom	4.4	6,562	7.6	5,236	1.4	1,326	2.1	3,246	2.2	1,547	1.9	1,700
United Republic of Tanzania	1.1	302	1.4	174	0.8	128	7.8	2,207	10.0	1,295	5.9	912
United States of America	2.2	13,194	4.0	11,416	0.5	1,778	1.0	6,273	1.4	4,137	0.6	2,136
Uruguay	0.9	53	1.4	38	0.4	15	3.2	202	5.3	140	1.5	62
Uzbekistan	0.3	75	0.5	48	0.2	26	3.5	859	4.1	451	3.0	408
Vanuatu	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0
Venezuela (Bolivarian Republic of)	0.5	161	0.9	128	0.2	33	1.3	422	2.2	332	0.5	91
Viet Nam	0.2	216	0.4	175	0.1	41	2.0	2,167	3.8	1,876	0.4	291
Yemen	1.6	206	2.0	121	1.2	85	4.2	559	2.8	175	5.4	384
Zambia	1.5	106	2.1	68	0.9	38	3.8	283	5.7	180	2.4	103
Zimbabwe	2.6	193	2.0	63	3.0	130	9.8	725	10.9	341	9.1	384

Supplementary Table 4: Estimated age-standardised incidence rates (ASR) per 100,000 person-years and number of cases (N) of cardia and non-cardia gastric cancer by country and sex in 2018

Country	Cardia Gastric Cancer						Non-cardia Gastric Cancer					
	Both sexes		Males		Females		Both sexes		Males		Females	
	ASR	N	ASR	N	ASR	N	ASR	N	ASR	N	ASR	N
Afghanistan	1.2	190	1.7	123	0.8	66	7.9	1,240	9.9	739	6.2	502
Albania	1.5	76	2.7	64	0.4	12	11.2	564	16.4	398	6.2	166
Algeria	0.6	217	0.8	148	0.3	69	5.1	2,024	6.3	1,225	4.0	799
Angola	0.1	16	0.2	11	0.1	6	2.8	378	3.3	195	2.4	182
Argentina	0.5	287	0.8	215	0.2	71	5.9	3,693	8.6	2,321	3.8	1,373
Armenia	2.2	113	3.7	77	1.2	36	9.4	473	13.3	275	6.7	198
Australia	1.5	747	2.5	577	0.6	169	3.1	1,556	4.0	965	2.2	592
Austria	0.9	191	1.6	147	0.3	44	4.4	999	5.9	589	3.2	410
Azerbaijan	2.4	258	4.2	194	1.1	65	10.3	1,103	15.6	734	6.2	368
Bahamas	0.7	4	1.2	3	0.2	1	4.0	21	5.7	13	2.5	8
Bahrain	0.6	5	0.8	3	0.4	2	2.4	25	2.7	13	2.2	12
Bangladesh	0.7	952	1.0	680	0.4	272	4.5	6,293	6.0	4,112	3.0	2,181
Barbados	0.6	3	1.1	3	0.2	1	3.6	22	6.1	15	1.6	6
Belarus	1.0	170	1.7	116	0.5	54	15.5	2,715	23.4	1,565	10.3	1,150
Belgium	1.7	427	3.0	346	0.6	81	4.2	1,150	5.4	668	3.2	482
Belize	0.9	3	1.5	2	0.4	1	5.7	15	7.3	10	4.2	5
Benin	0.3	16	0.5	14	0.1	2	5.8	331	10.1	260	2.2	71
Bhutan	2.6	16	3.4	12	1.6	5	16.7	105	20.7	70	11.9	34
Bolivia (Plurinational State of)	0.6	58	0.8	40	0.3	19	7.6	793	8.5	426	6.8	366
Bosnia and Herzegovina	1.1	79	1.9	61	0.5	18	9.0	639	12.0	385	6.5	254
Botswana	0.0	0	0.1	0	0.0	0	0.7	11	1.0	7	0.4	4
Brazil	0.6	1,596	1.0	1,132	0.3	464	7.3	19,331	9.6	11,208	5.5	8,123
Brunei Darussalam	1.0	4	1.6	3	0.5	1	12.6	48	16.3	27	9.6	21
Bulgaria	1.1	182	1.8	127	0.6	55	6.8	1,136	10.1	728	4.2	408
Burkina Faso	0.3	32	0.5	19	0.3	13	8.2	740	8.8	349	7.8	391
Burundi	0.2	8	0.2	5	0.1	3	4.2	196	4.4	98	4.0	98
Cabo Verde	0.7	3	1.3	2	0.2	1	14.6	68	23.8	46	7.4	22
Cambodia	0.3	32	0.5	23	0.1	10	3.5	415	4.6	225	2.7	189
Cameroon	0.2	19	0.2	10	0.1	9	3.7	452	3.1	187	4.2	265
Canada	1.3	1,036	2.1	772	0.6	264	2.7	2,208	3.2	1,227	2.3	981
Central African Republic	0.1	3	0.2	2	0.1	1	3.0	76	3.2	37	2.8	39
Chad	0.1	8	0.2	6	0.1	3	2.8	184	3.3	103	2.4	80
Chile	1.3	378	2.3	291	0.5	86	16.5	4,784	24.6	3,138	9.8	1,647
China	5.0	110,448	7.7	83,167	2.4	27,281	15.7	345,676	21.8	236,303	9.8	109,373
Colombia	1.2	702	2.1	542	0.5	160	11.6	6,717	15.5	4,036	8.4	2,681
Comoros	0.1	0	0.1	0	0.1	0	2.6	11	2.4	5	2.6	6
Congo	0.1	4	0.2	3	0.1	2	3.4	97	3.5	49	3.2	47
Costa Rica	1.8	123	2.8	90	0.9	32	11.5	794	14.3	465	9.0	330
Côte d'Ivoire	0.2	19	0.2	11	0.2	9	4.1	466	2.9	196	5.5	269
Croatia	0.9	92	1.6	68	0.4	24	7.4	773	10.2	436	5.3	337
Cuba	0.8	172	1.2	121	0.4	51	5.0	1,137	5.7	620	4.2	517
Cyprus	0.7	14	1.2	11	0.3	3	5.1	103	5.9	56	4.3	47
Czechia	0.8	190	1.3	133	0.4	57	5.0	1,209	6.2	674	4.2	535
Democratic Republic of the Congo	0.3	121	0.4	81	0.2	40	5.7	2,730	6.9	1,496	4.7	1,234
Denmark	1.2	146	1.9	115	0.4	31	3.0	397	4.1	253	2.1	144
Djibouti	0.1	1	0.1	0	0.0	0	2.0	13	2.5	9	1.5	5
Dominican Republic	0.9	100	1.4	71	0.5	29	5.7	632	6.6	345	4.9	287
Ecuador	0.8	149	1.0	84	0.6	65	13.0	2,440	14.7	1,280	11.5	1,160
Egypt	0.3	213	0.3	122	0.2	90	2.6	2,137	2.7	1,066	2.5	1,072
El Salvador	1.3	99	2.0	63	0.8	36	9.0	703	9.9	331	8.4	372
Equatorial Guinea	0.1	1	0.2	1	0.1	0	2.8	17	2.9	9	2.6	8
Eritrea	0.1	3	0.2	2	0.1	1	2.2	62	2.8	36	1.7	26
Estonia	1.1	31	2.1	23	0.3	7	10.3	297	16.6	186	5.9	112
Ethiopia	0.1	63	0.2	43	0.1	21	2.4	1,418	2.8	787	2.0	630
Fiji	1.2	11	1.8	8	0.7	3	2.5	23	2.7	12	2.3	11
Finland	1.1	148	1.7	105	0.6	44	3.1	437	3.6	235	2.6	201
France	1.5	2,212	2.6	1,782	0.5	430	3.4	5,514	4.6	3,241	2.4	2,273
France, Guadeloupe	1.2	14	1.8	8	0.8	5	11.0	117	14.3	66	8.5	52
France, La Réunion	0.4	6	0.7	5	0.2	2	9.6	135	13.7	88	6.1	46
France, Martinique	1.2	11	2.0	9	0.5	2	8.8	90	11.1	48	6.9	42
French Guyana	1.0	2	1.7	2	0.4	0	12.1	31	17.9	21	7.1	10
French Polynesia	2.5	9	3.9	7	1.2	2	5.1	17	6.2	10	4.2	7
Gabon	0.1	2	0.2	1	0.1	0	2.6	35	3.5	22	1.7	14
Gambia	0.1	1	0.1	1	0.0	0	1.4	11	2.2	9	0.5	2
Georgia	1.6	123	2.7	81	0.9	42	7.1	528	10.0	298	5.1	230
Germany	1.9	3,712	3.2	2,966	0.7	746	4.9	10,461	6.2	6,159	3.8	4,302
Ghana	0.2	37	0.3	23	0.2	15	5.5	870	5.4	418	5.3	451
Greece	0.7	205	1.2	155	0.3	50	5.8	1,703	7.7	1,000	4.2	703
Guam	1.7	4	2.6	3	0.9	1	3.7	9	4.4	5	3.1	4
Guatemala	1.8	223	2.4	134	1.3	89	12.6	1,574	12.2	678	12.9	896

Country	Cardia Gastric Cancer						Non-cardia Gastric Cancer					
	Both sexes		Males		Females		Both sexes		Males		Females	
	ASR	N	ASR	N	ASR	N	ASR	N	ASR	N	ASR	N
Guinea	0.2	14	0.3	10	0.1	4	4.3	299	5.5	184	3.2	115
Guinea-Bissau	0.3	3	0.4	2	0.2	1	6.2	57	7.4	31	5.3	26
Guyana	0.2	1	0.3	1	0.1	0	2.8	19	3.4	9	2.4	10
Haiti	1.6	139	2.7	107	0.6	32	9.5	824	12.9	497	6.5	327
Honduras	1.5	104	2.2	70	0.9	34	9.6	668	10.5	333	8.8	335
Hungary	1.0	223	1.7	153	0.5	70	8.4	1,866	12.1	1,075	5.8	791
Iceland	0.9	7	1.3	5	0.6	2	2.7	20	2.9	10	2.6	10
India	0.6	7,658	0.9	5,517	0.3	2,141	3.9	49,736	5.3	33,301	2.5	16,435
Indonesia	0.1	248	0.2	214	0.0	34	1.1	2,766	2.0	2,129	0.5	637
Iran (Islamic Republic of)	5.0	3,643	6.9	2,574	3.0	1,069	10.8	8,001	14.7	5,496	6.8	2,505
Iraq	0.7	144	1.0	94	0.4	49	2.9	647	3.6	360	2.4	288
Ireland	2.8	245	4.2	171	1.4	73	4.7	431	6.1	262	3.5	170
Israel	1.0	131	1.7	99	0.4	33	4.2	536	5.7	332	2.9	203
Italy	0.8	1,394	1.4	1,070	0.3	324	6.3	11,409	8.3	6,662	4.6	4,747
Jamaica	1.2	44	1.7	30	0.6	14	7.4	289	8.5	151	6.3	138
Japan	2.0	8,333	3.2	6,127	0.9	2,206	25.5	107,213	37.5	70,772	15.1	36,441
Jordan	0.8	53	1.4	41	0.3	12	5.2	333	7.2	212	3.4	121
Kazakhstan	1.9	380	3.3	258	1.0	123	13.8	2,739	21.4	1,713	8.7	1,025
Kenya	0.4	87	0.5	53	0.3	35	8.9	2,040	9.5	975	8.6	1,064
Korea, Democratic People's Republic of	1.5	529	2.7	378	0.7	152	13.2	4,598	20.5	2,919	8.2	1,678
Kuwait	0.5	13	0.6	9	0.3	4	2.2	60	2.3	34	1.9	26
Kyrgyzstan	2.5	121	4.3	86	1.3	35	16.1	778	25.1	519	9.2	259
Lao People's Democratic Republic	0.9	44	1.5	33	0.4	11	11.0	531	14.7	327	7.8	204
Latvia	0.6	27	1.0	16	0.4	11	12.3	537	18.1	294	8.6	243
Lebanon	1.4	101	1.7	64	1.0	36	6.1	445	6.4	239	5.9	207
Lesotho	0.0	0	0.0	0	0.0	0	0.8	12	0.7	3	0.9	9
Liberia	0.2	5	0.2	3	0.1	2	4.5	107	4.5	53	4.5	54
Libya	0.4	18	0.5	12	0.3	6	3.4	169	4.3	100	2.7	69
Lithuania	0.7	46	1.3	33	0.3	13	12.6	823	18.5	452	8.7	371
Luxembourg	1.5	19	2.7	15	0.5	3	4.0	51	5.5	32	2.8	20
Madagascar	0.1	16	0.1	9	0.1	7	3.0	384	2.7	171	3.3	213
Malawi	0.1	9	0.2	6	0.1	3	2.2	200	2.8	112	1.8	88
Malaysia	0.4	114	0.5	79	0.2	35	4.9	1,499	5.2	789	4.5	710
Maldives	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0
Mali	0.5	44	0.6	26	0.4	18	12.1	1,042	11.8	474	12.4	568
Malta	1.1	11	1.8	9	0.5	2	5.1	53	6.7	33	3.7	20
Mauritania	0.2	6	0.4	4	0.1	2	5.3	134	6.5	77	4.3	57
Mauritius	0.3	6	0.5	4	0.2	2	6.3	124	8.5	75	4.6	49
Mexico	0.7	992	1.1	660	0.5	332	4.8	6,554	5.2	3,261	4.6	3,293
Mongolia	3.4	83	5.4	59	1.8	24	29.7	724	41.8	463	19.9	261
Montenegro	0.6	6	1.0	5	0.2	2	4.5	53	5.8	30	3.3	22
Morocco	0.4	163	0.6	115	0.2	48	4.3	1,598	5.5	1,004	3.0	594
Mozambique	0.1	9	0.1	6	0.0	3	1.4	214	1.7	110	1.2	104
Myanmar	1.0	500	1.6	374	0.4	126	11.8	6,123	16.0	3,690	8.5	2,433
Namibia	0.1	2	0.2	1	0.1	1	2.2	34	3.0	19	1.6	15
Nepal	0.8	210	1.1	130	0.6	79	5.4	1,336	6.6	761	4.3	576
Netherlands	1.3	503	2.1	389	0.6	114	3.2	1,330	4.2	818	2.5	512
New Caledonia	3.5	14	5.6	10	1.4	3	6.8	27	8.8	17	5.0	11
New Zealand	1.5	131	2.3	99	0.7	32	3.0	268	3.6	155	2.5	113
Nicaragua	1.4	75	2.3	55	0.7	20	8.6	467	11.2	267	6.5	200
Niger	0.1	14	0.2	11	0.1	4	3.1	307	3.8	195	2.3	111
Nigeria	0.1	107	0.2	82	0.1	26	2.3	2,297	3.1	1,509	1.6	787
Norway	1.1	119	1.9	96	0.4	22	3.0	353	4.1	230	2.0	124
Oman	1.6	40	2.3	32	0.8	8	6.9	173	8.6	125	4.8	48
Pakistan	0.4	537	0.5	340	0.3	198	2.5	3,617	2.8	2,052	2.1	1,564
Panama	1.5	69	2.5	55	0.5	14	8.7	418	12.4	282	5.4	136
Papua New Guinea	2.9	155	4.5	107	1.6	49	6.4	338	7.3	167	5.7	170
Paraguay	0.3	21	0.5	15	0.2	6	4.5	287	5.1	160	3.9	127
Peru	0.8	292	1.3	204	0.4	88	15.3	5,439	18.0	2,883	13.0	2,556
Philippines	0.3	222	0.4	159	0.1	63	3.5	2,877	4.4	1,585	2.9	1,292
Poland	1.2	942	2.2	718	0.5	224	7.1	5,717	10.2	3,457	4.7	2,260
Portugal	0.7	189	1.3	137	0.3	52	10.3	2,696	14.2	1,580	7.0	1,116
Puerto Rico	0.6	41	1.0	29	0.3	12	3.3	250	4.4	140	2.6	110
Qatar	0.9	8	1.2	6	0.6	2	3.5	35	4.3	25	3.2	10
Republic of Korea	1.7	1,580	2.7	1,202	0.8	378	37.9	35,686	55.1	24,262	22.8	11,424
Republic of Moldova	1.4	87	2.3	61	0.7	26	11.6	727	16.2	422	8.4	305
Romania	0.7	284	1.1	201	0.3	83	7.6	3,246	11.5	2,094	4.6	1,152
Russian Federation	1.3	3,503	2.3	2,319	0.7	1,184	12.0	31,710	18.1	18,131	8.1	13,579
Rwanda	0.4	34	0.6	23	0.2	11	8.5	769	10.8	419	6.7	350
Saint Lucia	1.2	3	2.1	2	0.5	1	7.5	20	10.2	12	4.8	8
Samoa	1.8	3	2.9	2	0.7	1	3.7	6	4.8	4	2.6	2
Sao Tome and Principe	0.4	1	0.6	0	0.3	0	10.0	11	11.0	8	8.5	4
Saudi Arabia	0.5	108	0.7	95	0.1	14	1.5	369	1.9	263	1.0	105
Senegal	0.3	22	0.3	12	0.2	10	6.5	525	6.4	231	6.6	294

Country	Cardia Gastric Cancer						Non-cardia Gastric Cancer					
	Both sexes		Males		Females		Both sexes		Males		Females	
	ASR	N	ASR	N	ASR	N	ASR	N	ASR	N	ASR	N
Serbia	1.0	166	1.4	108	0.6	57	6.1	1,047	8.8	688	3.9	360
Sierra Leone	0.3	9	0.4	6	0.2	3	5.8	201	6.5	112	5.1	89
Singapore	0.6	72	1.0	50	0.4	21	8.3	976	9.8	520	7.3	457
Slovakia	1.2	128	2.1	92	0.6	36	9.5	1,030	13.3	600	6.6	430
Slovenia	1.4	65	2.2	48	0.6	17	7.5	387	10.3	235	5.3	152
Solomon Islands	0.7	3	0.9	2	0.5	1	1.5	6	1.3	2	1.6	4
Somalia	0.2	13	0.2	8	0.1	4	4.2	285	4.6	150	3.9	136
South Africa	0.2	84	0.3	59	0.1	25	3.8	1,856	5.5	1,085	2.7	771
South Sudan	0.2	12	0.3	8	0.1	4	4.1	274	4.8	150	3.5	124
Spain	0.9	1,042	1.7	831	0.3	211	5.7	6,642	7.6	3,930	4.0	2,712
Sri Lanka	0.5	151	0.7	86	0.4	64	3.4	978	3.9	503	3.1	476
State of Palestine	0.9	23	1.3	16	0.5	8	3.8	104	4.7	59	3.1	44
Sudan	0.2	49	0.3	36	0.1	13	1.9	462	2.7	306	1.2	156
Suriname	0.3	2	0.6	2	0.1	0	4.3	26	6.4	18	2.3	8
Swaziland	0.0	0	0.1	0	0.0	0	1.2	9	1.1	2	1.4	7
Sweden	0.9	200	1.3	149	0.4	52	2.4	576	2.9	337	2.0	238
Switzerland	1.5	283	2.5	221	0.6	61	3.9	734	4.7	415	3.1	320
Syrian Arab Republic	1.0	137	1.5	89	0.7	48	4.6	610	5.6	335	3.8	275
Tajikistan	2.1	119	3.0	77	1.4	42	13.5	773	17.3	456	10.3	317
Thailand	0.3	282	0.4	192	0.2	90	3.3	3,722	3.7	1,916	3.0	1,806
The former Yugoslav Republic of Macedonia	1.2	44	2.2	36	0.4	8	9.2	335	13.2	224	5.7	111
Timor-Leste	0.3	2	0.5	2	0.1	0	3.5	24	5.0	15	2.2	9
Togo	0.3	12	0.4	9	0.2	4	6.6	269	8.2	159	5.1	109
Trinidad and Tobago	0.6	12	1.0	9	0.2	3	3.6	73	5.2	46	2.3	27
Tunisia	0.4	64	0.6	41	0.3	23	4.0	573	5.0	334	3.2	239
Turkey	2.4	2,266	3.6	1,515	1.4	751	10.1	9,668	14.0	5,899	7.0	3,769
Turkmenistan	1.5	67	2.5	48	0.8	20	9.7	440	14.8	289	5.8	150
Uganda	0.2	27	0.3	19	0.1	8	3.8	584	5.2	348	2.7	236
Ukraine	1.2	1,047	2.2	739	0.6	308	9.8	8,370	15.2	5,022	6.4	3,348
United Arab Emirates	0.9	23	0.9	15	0.8	8	3.6	104	3.2	58	4.7	46
United Kingdom	1.2	1,905	2.0	1,431	0.6	474	2.7	4,465	3.4	2,688	2.0	1,777
United Republic of Tanzania	0.2	53	0.2	27	0.2	26	4.7	1,300	3.6	492	5.4	808
United States of America	1.4	8,429	2.3	6,635	0.5	1,794	2.8	17,597	3.4	9,849	2.3	7,748
Uruguay	0.6	37	1.1	28	0.2	9	7.5	467	11.4	297	4.4	170
Uzbekistan	1.4	364	2.0	229	0.9	135	9.0	2,375	11.8	1,365	6.8	1,010
Vanuatu	0.9	2	1.0	1	0.8	1	2.0	4	1.3	1	2.7	3
Venezuela (Bolivarian Republic of)	0.5	172	0.8	116	0.3	56	7.0	2,328	8.4	1,251	5.9	1,077
Viet Nam	1.2	1,335	2.1	1,030	0.5	305	14.7	16,192	21.2	10,131	9.7	6,061
Yemen	1.3	169	1.9	115	0.7	54	5.3	727	6.7	424	4.2	303
Zambia	0.1	10	0.2	6	0.1	4	3.0	224	3.2	105	2.8	119
Zimbabwe	0.3	23	0.4	11	0.3	13	8.1	589	6.5	201	9.2	387

Supplementary Table 5: Estimated numbers and proportions of oesophageal and gastric cancers in 2018 by subtype, world region and Human Development Index, both sexes combined (SECONDARY ANALYSIS)

	OAC		OSCC		CGC		NCGC	
	N	(%)*	N	(%)*	N	(%)*	N	(%)*
Sub-Saharan Africa	3007	12%	22369	88%	9274	40%	14159	60%
Northern Africa	1005	33%	2086	67%	1658	22%	6029	78%
Caribbean + Central America	1195	33%	2393	67%	3405	20%	13494	80%
South America	5055	29%	12282	71%	10881	22%	39171	78%
Northern America	15293	67%	7390	33%	12389	42%	16881	58%
Eastern Asia	28763	9%	306461	91%	194699	31%	424761	69%
South-Eastern Asia	1330	10%	11534	90%	6176	16%	31852	84%
South Central Asia	7306	8%	85435	92%	37065	40%	55754	60%
Western Asia	1113	28%	2799	72%	5856	30%	13799	70%
Eastern Europe	2495	16%	13121	84%	12308	19%	52174	81%
Northern Europe	8324	65%	4554	35%	4840	43%	6370	57%
Southern Europe	1869	29%	4576	71%	5925	20%	23862	80%
Western Europe	7839	44%	10136	56%	10480	38%	17106	62%
Oceania	1353	59%	951	41%	1499	45%	1834	55%
low HDI	2725	14%	16727	86%	8203	38%	13640	62%
medium HDI	9231	9%	95184	91%	37592	30%	88050	70%
high HDI	34788	10%	306321	90%	210311	38%	348738	62%
very high HDI	39204	37%	67854	63%	60348	18%	266819	82%
World	85947	15%	486087	85%	316455	31%	717246	69%

*row percentage out of all oesophageal cancers (C15) for OAC and OSCC and out of all gastric cancers (C16) for CGC and NCGC

OAC: oesophageal adenocarcinoma; OSCC: oesophageal squamous cell carcinoma; CGC: cardia gastric cancer; NCGC: non-cardia gastric cancer

Supplementary Table 6: Estimated numbers and proportions of oesophageal and gastric cancers in 2018 by sex, subtype, world region and Human Development Index (SECONDARY ANALYSIS)

	Males								Females							
	OAC		OSCC		CGC		NCGC		OAC		OSCC		CGC		NCGC	
	N	(%)*	N	(%)*	N	(%)*	N	(%)*	N	(%)*	N	(%)*	N	(%)*	N	(%)*
Sub-Saharan Africa	1617	11%	12570	89%	5954	48%	6547	52%	1390	12%	9799	88%	3320	30%	7612	70%
Northern Africa	709	44%	916	56%	1082	24%	3427	76%	296	20%	1170	80%	575	18%	2603	82%
Caribbean + Central America	944	34%	1794	66%	2304	25%	6797	75%	251	30%	599	70%	1101	14%	6697	86%
South America	3719	29%	8954	71%	7681	26%	22039	74%	1336	29%	3328	71%	3201	16%	17131	84%
Northern America	13209	73%	4837	27%	9459	51%	9024	49%	2084	45%	2553	55%	2931	27%	7856	73%
Eastern Asia	21045	9%	216225	91%	145191	34%	283250	66%	7718	8%	90236	92%	49508	26%	141511	74%
South-Eastern Asia	999	10%	9419	90%	4569	19%	18944	81%	331	14%	2115	86%	1607	11%	12908	89%
South Central Asia	5385	9%	53010	91%	25571	42%	35965	58%	1921	6%	32425	94%	11494	37%	19789	63%
Western Asia	788	38%	1267	62%	3963	32%	8267	68%	325	18%	1532	82%	1894	26%	5531	74%
Eastern Europe	1967	15%	10756	85%	8448	22%	29979	78%	529	18%	2364	82%	3859	15%	22196	85%
Northern Europe	6662	74%	2367	26%	3477	49%	3614	51%	1662	43%	2187	57%	1362	33%	2757	67%
Southern Europe	1551	30%	3598	70%	4508	25%	13752	75%	319	25%	977	75%	1417	12%	10110	88%
Western Europe	6466	47%	7261	53%	8185	46%	9603	54%	1374	32%	2874	68%	2295	23%	7503	77%
Oceania	1151	69%	513	31%	1102	51%	1052	49%	201	31%	439	69%	397	34%	782	66%
low HDI	1524	15%	8925	85%	5325	44%	6756	56%	1201	13%	7802	87%	2878	29%	6884	71%
medium HDI	6703	10%	60936	90%	26191	33%	54151	67%	2528	7%	34248	93%	11401	25%	33899	75%
high HDI	25436	11%	212841	89%	155233	41%	225986	59%	9352	9%	93480	91%	55078	31%	122752	69%
very high HDI	32545	39%	50789	61%	44744	21%	165368	79%	6658	28%	17066	72%	15604	13%	101451	87%
World	66212	17%	333487	83%	231494	34%	452260	66%	19737	11%	152598	89%	84961	24%	264986	76%

*row percentage out of all oesophageal cancers (C15) for OAC and OSCC and out of all gastric cancers (C16) for CGC and NCGC

OAC: oesophageal adenocarcinoma; OSCC: oesophageal squamous cell carcinoma; CGC: cardia gastric cancer; NCGC: non-cardia gastric cancer

Supplementary Table 7: Estimated age-standardised incidence rates (ASR) per 100,000 person-years and number of cases (N) of adenocarcinoma and squamous cell carcinoma of the oesophagus by country and sex in 2018 (SECONDARY ANALYSIS)

Country	Oesophageal Adenocarcinoma						Oesophageal Squamous Cell Carcinoma					
	Both sexes			Males		Females	Both sexes			Males		Females
	ASR	N	ASR	N	ASR	N	ASR	N	ASR	N	ASR	N
Afghanistan	0.7	104	0.9	71	0.4	33	7.5	1,208	8.8	678	6.4	530
Albania	0.3	16	0.5	14	0.1	2	0.6	37	1.1	31	0.2	6
Algeria	0.3	113	0.4	81	0.2	32	0.5	208	0.4	91	0.6	117
Angola	0.3	39	0.4	25	0.2	15	2.2	298	3.2	188	1.5	109
Argentina	1.1	741	2.0	551	0.4	190	2.4	1,558	3.5	954	1.5	604
Armenia	0.4	18	0.7	14	0.1	3	0.7	34	1.1	21	0.5	14
Australia	2.0	974	3.7	834	0.5	139	1.4	703	1.7	395	1.0	309
Austria	1.1	196	1.9	160	0.3	37	1.6	284	2.6	218	0.6	65
Azerbaijan	1.7	179	2.9	128	0.8	51	3.9	415	4.1	189	3.6	226
Bahamas	0.6	3	1.2	3	0.1	0	1.2	7	2.4	6	0.3	1
Bahrain	0.4	3	0.6	2	0.2	1	0.8	6	0.7	3	1.0	3
Bangladesh	1.2	1,666	1.7	1,225	0.6	441	13.6	19,240	17.0	12,258	10.1	6,982
Barbados	0.4	3	0.7	2	0.1	1	0.7	5	1.3	4	0.3	1
Belarus	0.4	74	1.0	65	0.1	10	3.1	494	6.9	458	0.3	35
Belgium	2.0	502	3.6	408	0.6	95	2.6	595	3.6	380	1.7	214
Belize	0.3	1	0.5	1	0.0	0	0.5	1	1.0	1	0.0	0
Benin	0.7	40	0.8	22	0.6	18	5.1	298	6.2	168	4.0	130
Bhutan	0.6	4	0.7	3	0.4	1	6.2	40	6.7	23	5.7	17
Bolivia (Plurinational State of)	0.4	41	0.6	31	0.2	10	1.1	106	1.7	80	0.5	26
Bosnia and Herzegovina	0.6	41	1.1	35	0.2	6	1.7	110	2.9	89	0.6	21
Botswana	0.4	6	0.9	5	0.1	1	6.5	99	10.9	68	3.4	31
Brazil	1.3	3,344	2.1	2,421	0.6	923	3.1	8,061	5.4	6,235	1.2	1,826
Brunei Darussalam	0.1	0	0.3	0	0.0	0	1.4	5	2.9	5	0.0	0
Bulgaria	0.4	63	0.8	54	0.1	9	1.3	186	2.4	151	0.4	35
Burkina Faso	0.1	13	0.2	7	0.1	6	1.0	104	1.3	56	0.8	48
Burundi	1.2	60	1.8	41	0.7	19	8.9	460	13.0	318	5.3	142
Cabo Verde	1.3	5	2.4	4	0.4	1	9.2	34	17.7	30	2.5	4
Cambodia	0.2	28	0.4	20	0.1	8	2.2	260	4.2	203	0.8	57
Cameroun	0.2	19	0.1	7	0.2	12	1.1	147	1.0	64	1.2	83
Canada	2.2	1,699	4.0	1,457	0.6	243	1.1	920	1.5	578	0.7	341
Central African Republic	0.3	7	0.2	3	0.3	4	2.0	51	1.8	21	2.1	30
Chad	0.2	15	0.3	8	0.2	7	1.8	113	2.0	61	1.5	52
Chile	0.3	94	0.5	71	0.1	24	2.1	690	2.5	341	1.8	348
China	1.2	27,312	1.8	19,886	0.6	7,426	12.7	280,047	17.9	194,204	7.5	85,843
Colombia	0.6	372	1.1	297	0.2	75	0.9	550	1.4	357	0.6	193
Comoros	0.9	4	1.0	2	0.9	2	7.0	31	7.6	17	6.2	14
Congo	0.1	2	0.1	1	0.1	2	0.6	18	0.4	6	0.8	11
Costa Rica	0.5	35	0.8	26	0.2	9	0.8	62	1.2	41	0.5	21
Côte d'Ivoire	0.1	11	0.1	4	0.1	7	0.7	78	0.4	30	0.9	48
Croatia	0.5	48	0.9	37	0.2	11	1.9	159	3.3	124	0.6	35
Cuba	1.8	375	3.3	330	0.4	45	3.5	735	6.2	629	0.8	106
Cyprus	0.3	6	0.5	4	0.1	2	0.8	16	1.2	11	0.5	5
Czechia	1.5	318	2.7	266	0.4	52	2.1	424	3.6	326	0.8	98
Democratic Republic of the Congo	0.2	95	0.2	49	0.2	46	1.7	710	1.7	388	1.6	322
Denmark	3.5	441	6.0	365	1.1	76	1.8	229	2.1	127	1.5	102
Djibouti	0.4	3	0.3	1	0.5	2	3.2	22	2.5	9	3.9	13
Dominican Republic	0.7	69	1.0	51	0.3	18	1.3	139	2.0	98	0.7	41
Ecuador	0.4	70	0.6	50	0.2	20	0.8	149	1.3	116	0.3	33
Egypt	0.4	349	0.7	255	0.2	95	0.9	685	0.9	325	0.8	359
El Salvador	0.4	33	0.6	22	0.2	11	0.8	68	1.2	41	0.5	27
Equatorial Guinea	0.2	1	0.3	1	0.2	0	1.7	11	2.0	7	1.3	4
Eritrea	0.5	13	0.4	5	0.5	8	3.5	95	2.9	39	3.9	56
Estonia	2.0	52	4.3	45	0.3	6	0.9	24	1.5	16	0.4	9
Ethiopia	0.3	201	0.2	68	0.4	134	2.7	1,551	1.9	539	3.3	1,011
Fiji	1.3	12	2.2	10	0.5	2	1.0	9	1.0	4	1.1	5
Finland	1.5	199	2.7	158	0.5	41	0.8	109	0.9	55	0.6	54
France	1.2	1,812	2.2	1,519	0.3	294	2.7	3,600	4.3	2,665	1.2	934
France, Guadeloupe	1.1	9	2.1	8	0.2	1	2.1	19	4.1	15	0.6	4
France, La Réunion	0.5	7	1.0	6	0.1	1	4.2	56	7.7	48	1.1	8
France, Martinique	0.7	7	1.4	6	0.2	1	1.5	14	2.7	11	0.5	3
French Guyana	0.9	2	1.8	2	0.2	0	2.4	6	4.4	5	0.6	1
French Polynesia	2.4	8	4.8	8	0.0	0	1.0	4	2.1	4	0.0	0
Gabon	0.3	4	0.4	3	0.2	1	2.4	34	3.2	23	1.5	11
Gambia	0.0	1	0.1	0	0.0	0	0.4	5	0.5	4	0.4	2
Georgia	0.4	26	0.7	22	0.1	4	0.7	49	1.1	32	0.4	17
Germany	1.7	3,331	3.0	2,701	0.5	630	2.3	4,505	3.6	3,243	1.2	1,262
Ghana	0.3	40	0.4	29	0.1	11	1.8	266	2.9	195	0.9	71

Country	Oesophageal Adenocarcinoma						Oesophageal Squamous Cell Carcinoma					
	Both sexes			Males		Females	Both sexes			Males		Females
	ASR	N	ASR	N	ASR	N	ASR	N	ASR	N	ASR	N
Greece	0.3	74	0.5	61	0.1	13	0.7	191	1.3	148	0.2	43
Guam	1.4	3	2.6	3	0.3	0	0.9	2	1.2	1	0.7	1
Guatemala	0.4	48	0.6	32	0.2	16	0.8	98	1.1	61	0.5	37
Guinea	0.1	3	0.1	3	0.0	0	0.4	24	0.7	20	0.1	4
Guinea-Bissau	0.3	2	0.4	1	0.2	1	2.1	18	2.6	9	1.7	9
Guyana	0.2	2	0.3	1	0.1	0	0.6	4	0.8	3	0.4	2
Haiti	0.8	61	0.8	31	0.7	30	1.6	130	1.6	59	1.6	71
Honduras	0.4	28	0.5	17	0.3	11	0.8	57	1.0	32	0.7	25
Hungary	0.8	142	1.4	116	0.2	26	3.5	604	6.7	512	0.9	92
Iceland	2.7	18	5.1	16	0.5	2	1.2	8	1.8	5	0.6	3
India	0.3	3,829	0.5	2,943	0.1	886	3.8	48,567	5.0	30,947	2.7	17,620
Indonesia	0.0	111	0.1	77	0.0	34	0.4	1,043	0.7	798	0.2	245
Iran (Islamic Republic of)	0.8	601	1.1	404	0.6	197	5.1	3,771	5.5	2,078	4.7	1,693
Iraq	0.2	50	0.4	36	0.1	14	0.6	122	0.6	53	0.6	69
Ireland	2.9	253	5.0	199	1.0	54	2.3	204	2.5	101	2.1	103
Israel	0.5	62	0.9	49	0.2	13	0.6	82	0.7	40	0.6	42
Italy	0.4	666	0.8	540	0.1	126	1.0	1,461	1.5	1,018	0.5	443
Jamaica	0.7	27	1.1	21	0.3	6	1.4	56	2.1	40	0.7	16
Japan	0.3	980	0.5	761	0.1	220	5.2	19,039	8.9	15,480	1.8	3,558
Jordan	0.3	21	0.6	18	0.1	3	0.6	40	0.6	20	0.6	20
Kazakhstan	0.8	151	1.2	94	0.5	57	7.3	1,464	10.2	801	5.4	663
Kenya	2.0	456	2.3	238	1.8	219	16.5	3,924	19.3	2,146	14.0	1,777
Korea, Democratic People Republic of	0.3	105	0.6	83	0.1	21	3.8	1,335	7.5	1,098	1.0	238
Kuwait	0.6	11	0.8	9	0.3	2	1.1	22	1.1	13	1.1	9
Kyrgyzstan	0.3	14	0.5	9	0.2	5	3.4	157	4.6	85	2.6	72
Lao People's Democratic Republic	0.4	18	0.7	16	0.1	2	3.8	189	7.5	174	0.6	15
Latvia	0.4	17	0.9	15	0.1	3	3.3	125	7.3	110	0.5	14
Lebanon	0.4	28	0.5	18	0.3	10	0.3	24	0.4	14	0.3	10
Lesotho	0.6	9	1.1	6	0.3	2	4.3	60	8.0	44	2.0	17
Liberia	0.1	2	0.1	1	0.1	1	0.5	11	0.4	5	0.5	6
Libya	0.3	15	0.6	14	0.0	1	0.5	22	0.8	17	0.2	5
Lithuania	0.4	25	0.8	18	0.2	7	3.5	184	7.4	164	0.6	20
Luxembourg	1.7	19	3.0	16	0.5	3	1.9	20	2.9	15	1.0	5
Madagascar	0.9	126	1.1	68	0.8	58	6.9	959	8.1	525	5.9	434
Malawi	2.1	204	2.5	105	1.8	99	16.6	1,640	19.6	856	14.3	784
Malaysia	0.1	42	0.2	26	0.1	15	1.2	380	1.8	272	0.7	109
Maldives	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0
Mali	0.2	21	0.2	10	0.2	11	1.7	169	1.8	84	1.6	85
Malta	0.5	6	1.0	5	0.2	1	1.4	16	2.4	12	0.4	4
Mauritania	0.1	4	0.1	2	0.1	2	1.0	27	1.0	13	1.0	14
Mauritius	0.6	12	1.0	9	0.3	3	2.4	48	3.7	33	1.3	15
Mexico	0.3	407	0.5	323	0.1	85	0.6	818	1.0	615	0.3	202
Mongolia	1.4	30	1.7	15	1.3	15	17.1	367	20.4	188	14.8	179
Montenegro	0.4	5	0.8	4	0.1	0	1.2	13	2.2	12	0.3	2
Morocco	0.4	145	0.6	106	0.2	39	0.8	311	0.8	152	0.8	159
Mozambique	0.8	121	0.8	52	0.8	69	6.0	935	6.0	407	6.0	528
Myanmar	0.6	325	0.9	229	0.3	96	5.9	3,158	9.9	2,474	2.4	684
Namibia	0.2	3	0.3	2	0.1	1	1.3	19	2.2	13	0.7	6
Nepal	0.2	43	0.2	21	0.2	22	2.1	522	1.8	210	2.4	312
Netherlands	4.5	1,690	7.9	1,423	1.3	267	2.0	766	2.7	490	1.4	276
New Caledonia	1.8	7	3.7	7	0.0	0	0.8	3	1.6	3	0.0	0
New Zealand	2.4	231	4.4	198	0.6	34	1.4	140	1.4	65	1.3	74
Nicaragua	0.2	11	0.3	9	0.1	2	0.4	22	0.7	16	0.1	6
Niger	0.2	17	0.4	16	0.0	1	1.3	120	2.6	112	0.1	8
Nigeria	0.1	69	0.1	47	0.0	22	0.6	500	0.8	342	0.3	158
Norway	2.0	214	3.5	179	0.6	35	1.2	136	1.9	98	0.7	38
Oman	0.5	11	0.4	6	0.5	5	0.8	21	0.5	11	1.1	10
Pakistan	0.4	623	0.6	439	0.3	184	5.0	7,330	5.8	4,274	4.2	3,056
Panama	0.5	22	0.8	18	0.2	4	0.9	45	1.5	34	0.4	11
Papua New Guinea	2.2	116	4.0	90	0.9	26	1.7	90	1.8	40	1.8	50
Paraguay	1.1	70	1.9	59	0.3	12	2.9	184	5.0	152	0.9	31
Peru	0.3	103	0.4	68	0.2	35	1.0	342	1.4	234	0.6	108
Philippines	0.4	342	0.7	262	0.2	80	0.9	717	1.5	557	0.4	160
Poland	0.3	229	0.5	181	0.1	47	2.2	1,574	3.9	1,216	0.8	359
Portugal	0.5	127	1.1	111	0.1	16	2.8	579	5.8	527	0.3	52
Puerto Rico	0.7	47	1.3	37	0.2	10	1.4	100	2.6	75	0.5	25
Qatar	0.6	4	0.6	3	0.5	1	1.4	8	0.8	5	1.9	3
Republic of Korea	0.1	98	0.2	79	0.0	20	2.5	2,495	5.0	2,273	0.4	221
Republic of Moldova	0.4	24	0.8	20	0.1	5	1.7	104	3.4	88	0.4	15
Romania	0.3	112	0.4	71	0.1	41	1.8	620	3.4	528	0.4	92
Russian Federation	0.4	1,106	0.9	848	0.1	258	2.7	6,864	5.4	5,437	0.8	1,427
Rwanda	0.4	25	0.4	14	0.3	11	2.7	193	3.1	112	2.4	81
Saint Lucia	0.4	1	0.9	1	0.0	0	0.8	2	1.8	2	0.0	0
Samoa	0.5	1	1.0	1	0.0	0	0.2	0	0.5	0	0.0	0

Country	Oesophageal Adenocarcinoma						Oesophageal Squamous Cell Carcinoma					
	Both sexes			Males		Females	Both sexes			Males		Females
	ASR	N	ASR	N	ASR	N	ASR	N	ASR	N	ASR	N
Sao Tome and Principe	0.1	0	0.0	0	0.2	0	0.8	1	0.0	0	1.4	1
Saudi Arabia	0.5	105	0.7	88	0.2	17	0.7	157	0.6	76	0.9	81
Senegal	0.2	13	0.2	7	0.1	6	1.2	95	1.5	53	0.9	42
Serbia	0.5	76	0.9	62	0.2	14	2.2	328	3.9	265	0.7	63
Sierra Leone	0.1	4	0.1	2	0.1	2	0.8	34	0.8	18	0.8	16
Singapore	0.2	26	0.4	19	0.1	7	2.1	242	3.6	188	0.7	54
Slovakia	0.5	53	1.0	45	0.1	8	3.4	309	6.6	278	0.6	31
Slovenia	0.7	32	1.3	27	0.2	5	2.0	85	3.3	67	0.7	18
Solomon Islands	0.2	1	0.5	1	0.0	0	0.1	0	0.2	0	0.0	0
Somalia	0.9	60	0.9	30	0.9	30	6.6	464	6.9	239	6.4	225
South Africa	0.9	446	1.4	258	0.7	188	6.8	3,251	10.1	1,920	4.7	1,331
South Sudan	0.9	61	1.1	36	0.7	26	6.7	462	8.3	272	5.3	189
Spain	0.7	761	1.4	640	0.2	121	1.6	1,550	2.8	1,269	0.5	281
Sri Lanka	0.4	116	0.6	74	0.3	41	4.6	1,325	5.4	697	4.0	629
State of Palestine	0.2	6	0.3	4	0.1	1	0.5	12	0.5	7	0.4	6
Sudan	1.5	345	2.0	224	1.0	120	3.3	787	2.5	297	4.0	491
Suriname	0.1	1	0.3	1	0.0	0	0.4	2	0.8	2	0.0	0
Swaziland	0.3	2	0.6	2	0.1	1	2.3	18	4.3	13	1.0	4
Sweden	1.6	370	2.8	316	0.4	54	0.8	182	1.0	110	0.6	72
Switzerland	1.5	289	2.7	240	0.4	49	2.0	366	2.9	249	1.2	117
Syrian Arab Republic	0.2	31	0.4	24	0.1	8	0.6	73	0.6	35	0.5	37
Tajikistan	0.9	49	1.3	33	0.6	16	10.2	570	11.9	313	8.7	257
Thailand	0.2	219	0.3	172	0.1	47	3.0	3,344	5.5	2,849	0.8	495
The former Yugoslav Republic of Macedonia	0.3	11	0.6	10	0.1	1	0.9	31	1.6	26	0.2	5
Timor-Leste	0.1	0	0.1	0	0.0	0	0.5	4	0.8	3	0.3	1
Togo	0.3	12	0.4	7	0.2	4	2.1	91	2.9	57	1.5	35
Trinidad and Tobago	0.4	8	0.8	7	0.1	1	0.8	15	1.4	13	0.2	2
Tunisia	0.3	38	0.4	29	0.1	9	0.5	73	0.5	34	0.5	39
Turkey	0.3	334	0.5	230	0.2	104	1.2	1,136	1.3	554	1.1	582
Turkmenistan	0.7	32	1.1	20	0.5	12	8.4	376	10.1	193	7.2	183
Uganda	0.9	145	1.5	104	0.5	41	9.9	1,604	16.3	1,178	4.8	426
Ukraine	0.5	375	0.9	301	0.1	74	2.5	1,941	5.6	1,762	0.3	179
United Arab Emirates	0.5	12	0.6	11	0.2	2	0.9	25	0.8	16	1.0	8
United Kingdom	4.5	6,735	7.8	5,351	1.5	1,383	2.1	3,353	2.3	1,581	2.0	1,773
United Republic of Tanzania	1.1	303	1.4	174	0.8	128	7.8	2,213	10.0	1,298	5.9	916
United States of America	2.2	13,593	4.1	11,752	0.5	1,841	1.0	6,471	1.5	4,259	0.6	2,212
Uruguay	0.9	53	1.5	38	0.4	15	3.2	204	5.4	141	1.5	63
Uzbekistan	0.3	75	0.5	49	0.2	27	3.5	864	4.1	453	3.0	410
Vanuatu	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0
Venezuela (Bolivarian Republic of)	0.5	162	0.9	129	0.2	33	1.3	426	2.2	334	0.5	92
Viet Nam	0.2	219	0.4	177	0.1	41	2.0	2,192	3.9	1,897	0.4	296
Yemen	1.6	211	2.0	124	1.3	87	4.3	574	2.9	180	5.5	394
Zambia	1.5	106	2.1	68	0.9	38	3.8	283	5.7	180	2.4	103
Zimbabwe	2.6	193	2.0	63	3.0	130	9.8	727	10.9	343	9.1	384

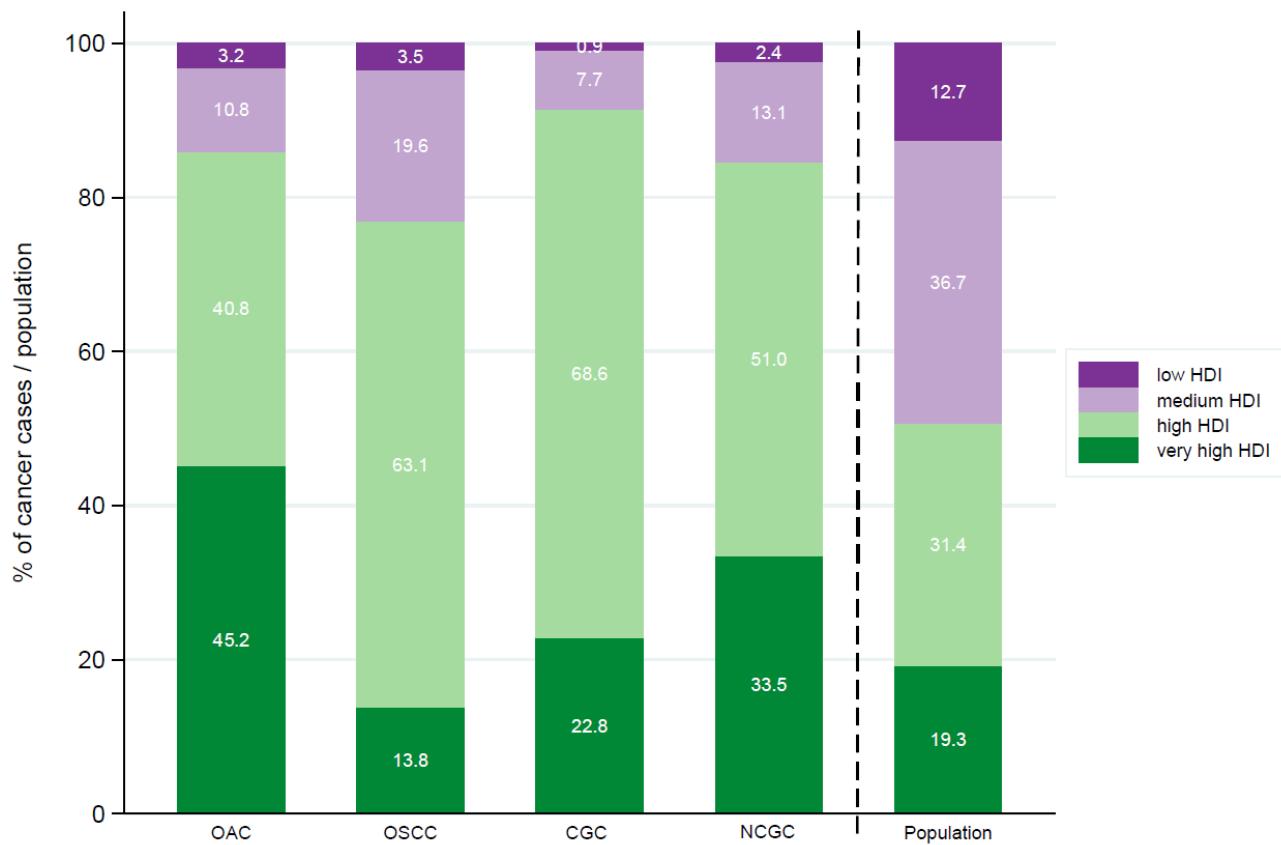
Supplementary Table 8: Estimated age-standardised incidence rates (ASR) per 100,000 person-years and number of cases (N) of cardia and non-cardia gastric cancer by country and sex in 2018 (SECONDARY ANALYSIS)

Country	Cardia Gastric Cancer						Non-cardia Gastric Cancer					
	Both sexes		Males		Females		Both sexes		Males		Females	
	ASR	N	ASR	N	ASR	N	ASR	N	ASR	N	ASR	N
Afghanistan	3.5	533	4.6	339	2.4	194	5.7	897	6.9	523	4.6	374
Albania	2.7	132	4.7	111	0.8	21	10.0	508	14.4	351	5.9	157
Algeria	1.3	499	1.8	340	0.8	159	4.4	1,742	5.3	1,033	3.6	709
Angola	1.2	155	1.7	98	0.8	57	1.7	239	1.7	108	1.8	131
Argentina	1.3	794	2.2	590	0.6	203	5.1	3,186	7.2	1,946	3.4	1,241
Armenia	3.6	181	5.8	121	2.0	60	8.0	405	11.2	231	5.8	174
Australia	2.1	1,027	3.4	775	1.0	252	2.5	1,276	3.2	767	1.9	509
Austria	2.9	617	4.6	438	1.4	179	2.5	573	2.9	298	2.1	275
Azerbaijan	3.9	418	6.7	308	1.9	110	8.8	943	13.1	620	5.4	323
Bahamas	1.0	5	1.8	4	0.4	1	3.6	20	5.1	12	2.4	8
Bahrain	0.9	9	1.2	5	0.6	3	2.0	21	2.3	11	1.9	11
Bangladesh	1.9	2,699	2.7	1,873	1.1	826	3.2	4,546	4.2	2,919	2.2	1,627
Barbados	0.9	5	1.7	4	0.2	1	3.3	20	5.5	14	1.5	6
Belarus	1.5	268	2.7	182	0.8	86	14.9	2,617	22.4	1,499	10.0	1,118
Belgium	2.9	732	4.9	568	1.1	163	3.0	845	3.5	446	2.6	400
Belize	1.4	4	2.2	3	0.7	1	5.2	14	6.5	9	4.0	5
Benin	2.7	153	5.2	131	0.7	22	3.3	194	5.5	143	1.5	51
Bhutan	7.3	45	9.4	32	4.6	13	12.1	76	14.7	50	8.9	26
Bolivia (Plurinational State of)	1.6	163	2.2	108	1.0	54	6.6	688	7.1	358	6.1	331
Bosnia and Herzegovina	2.0	138	3.4	106	0.8	32	8.1	580	10.6	340	6.1	240
Botswana	0.3	4	0.5	3	0.1	1	0.4	7	0.5	4	0.3	3
Brazil	2.1	5,439	3.2	3,754	1.1	1,685	5.9	15,488	7.4	8,586	4.7	6,902
Brunei Darussalam	2.2	8	3.5	6	1.1	2	11.4	44	14.4	24	8.9	20
Bulgaria	1.5	239	2.4	167	0.8	73	6.5	1,079	9.6	688	4.0	390
Burkina Faso	3.3	290	4.4	168	2.5	122	5.3	482	4.8	200	5.6	282
Burundi	1.8	83	2.4	52	1.3	31	2.6	121	2.2	51	2.9	70
Cabo Verde	6.6	31	12.4	24	2.4	7	8.7	40	12.7	24	5.3	16
Cambodia	0.6	70	1.0	48	0.3	22	3.1	377	4.0	200	2.5	177
Cameroon	1.4	175	1.6	92	1.3	83	2.4	296	1.7	105	3.0	191
Canada	1.7	1,365	2.7	991	0.9	374	2.3	1,879	2.6	1,008	2.0	871
Central African Republic	1.2	31	1.6	19	0.9	12	1.9	48	1.7	20	2.0	28
Chad	1.2	77	1.7	52	0.8	25	1.8	115	1.8	57	1.7	58
Chile	3.6	1,042	6.3	799	1.4	243	14.1	4,120	20.7	2,630	8.8	1,490
China	8.3	182,048	12.5	#####	4.1	46,142	12.5	274,076	17.0	183,564	8.1	90,512
Colombia	3.0	1,727	5.0	1,294	1.4	434	9.8	5,692	12.6	3,284	7.5	2,407
Comoros	1.0	4	1.2	2	0.8	2	1.6	7	1.3	3	1.9	4
Congo	1.4	40	1.8	25	1.0	15	2.1	61	1.9	27	2.3	34
Costa Rica	2.8	186	4.3	136	1.4	51	10.6	731	12.9	419	8.5	311
Côte d'Ivoire	1.6	183	1.5	98	1.7	85	2.7	302	1.6	109	3.9	193
Croatia	1.6	160	2.8	118	0.7	41	6.7	705	9.0	386	5.0	320
Cuba	1.2	262	1.8	183	0.7	79	4.6	1,047	5.1	558	4.0	489
Cyprus	2.4	50	3.9	38	1.1	12	3.4	67	3.2	29	3.5	38
Czechia	1.3	310	2.0	212	0.7	97	4.5	1,089	5.4	595	3.9	495
Democratic Republic of the Congo	2.4	1,115	3.5	731	1.5	384	3.6	1,736	3.8	846	3.4	890
Denmark	2.0	249	3.2	189	0.8	59	2.2	294	2.8	179	1.7	116
Djibouti	0.9	6	1.3	4	0.5	2	1.2	8	1.4	5	1.1	3
Dominican Republic	1.4	152	2.1	108	0.8	45	5.2	580	5.9	308	4.7	271
Ecuador	2.2	406	2.6	227	1.8	179	11.6	2,183	13.1	1,137	10.4	1,046
Egypt	0.6	487	0.7	277	0.5	209	2.2	1,863	2.3	911	2.2	953
El Salvador	2.0	151	3.0	94	1.3	57	8.3	651	8.9	300	7.9	351
Equatorial Guinea	1.1	7	1.5	5	0.8	2	1.7	11	1.6	5	1.9	6
Eritrea	1.0	27	1.5	18	0.5	8	1.4	38	1.5	20	1.2	19
Estonia	1.6	45	3.0	33	0.5	12	9.8	283	15.7	176	5.7	107
Ethiopia	1.0	595	1.5	398	0.6	197	1.5	886	1.5	432	1.5	454
Fiji	1.7	16	2.4	11	1.0	5	2.1	18	2.1	9	2.0	9
Finland	1.9	257	2.8	174	1.1	83	2.3	328	2.5	166	2.1	162
France	1.9	2,796	3.3	2,229	0.6	567	3.1	4,930	3.9	2,794	2.3	2,136
France, Guadeloupe	1.8	21	2.6	12	1.3	9	10.4	110	13.5	62	8.0	48
France, La Réunion	4.3	61	7.2	47	1.9	15	5.7	80	7.3	46	4.4	33
France, Martinique	1.7	16	2.8	12	0.9	4	8.2	85	10.3	45	6.6	40
French Guyana	2.7	7	4.6	5	1.1	1	10.4	26	15.0	18	6.4	9
French Polynesia	3.5	12	5.3	9	1.9	3	4.1	14	4.9	8	3.6	6
Gabon	1.1	15	1.8	11	0.5	4	1.6	22	1.9	12	1.2	10
Gambia	0.7	5	1.1	5	0.2	1	0.8	7	1.2	5	0.4	1
Georgia	2.7	199	4.3	129	1.5	70	6.1	452	8.4	250	4.4	202
Germany	2.6	5,236	4.4	4,109	1.0	1,126	4.1	8,937	5.0	5,016	3.5	3,922
Ghana	2.2	351	2.8	208	1.7	143	3.5	556	3.0	233	3.8	323

Country	Cardia Gastric Cancer								Non-cardia Gastric Cancer							
	Both sexes		Males		Females		Both sexes		Males		Females					
	ASR	N	ASR	N	ASR	N	ASR	N	ASR	N	ASR	N	ASR	N	ASR	N
Greece	1.3	356	2.1	269	0.5	87	5.3	1,552	6.8	886	4.0	666				
Guam	2.4	6	3.6	4	1.3	2	3.1	7	3.5	4	2.6	3				
Guatemala	2.8	341	3.7	202	2.0	139	11.6	1,456	11.0	610	12.2	846				
Guinea	1.9	127	2.8	91	1.0	36	2.7	186	3.0	103	2.3	83				
Guinea-Bissau	2.6	24	3.8	16	1.7	8	3.9	36	4.0	17	3.8	19				
Guyana	0.6	4	0.9	2	0.4	1	2.4	16	2.9	8	2.2	9				
Haiti	2.5	214	4.2	163	1.0	50	8.6	749	11.4	441	6.2	309				
Honduras	2.3	159	3.3	107	1.4	52	8.8	613	9.3	296	8.3	317				
Hungary	1.6	357	2.8	245	0.8	112	7.8	1,732	11.1	983	5.4	749				
Iceland	1.6	12	2.2	8	1.1	4	2.0	15	2.0	7	2.1	8				
India	1.7	21,514	2.4	15,190	1.0	6,324	2.8	35,880	3.8	23,628	1.9	12,252				
Indonesia	0.2	532	0.4	455	0.1	77	1.0	2,482	1.7	1,888	0.4	594				
Iran (Islamic Republic of)	9.6	7,018	13.0	4,840	6.0	2,178	6.3	4,626	8.6	3,230	3.8	1,396				
Iraq	1.1	235	1.5	150	0.7	85	2.5	556	3.1	304	2.1	252				
Ireland	3.6	325	5.4	225	2.0	100	3.9	351	4.8	208	3.0	143				
Israel	1.8	239	3.0	176	0.8	63	3.4	428	4.4	255	2.5	173				
Italy	1.3	2,117	2.1	1,621	0.5	496	5.9	10,686	7.6	6,111	4.5	4,575				
Jamaica	1.8	67	2.6	45	1.0	21	6.8	266	7.6	136	6.0	131				
Japan	2.2	9,379	3.6	6,880	1.0	2,498	25.3	106,167	37.1	70,019	15.0	36,149				
Jordan	2.3	148	3.7	111	1.0	37	3.7	238	4.9	142	2.7	96				
Kazakhstan	4.2	838	7.2	562	2.3	276	11.4	2,281	17.5	1,409	7.4	872				
Kenya	3.7	842	5.0	508	2.7	334	5.6	1,285	4.9	520	6.2	765				
Korea, Democratic People's Republic of	2.0	689	3.4	491	1.0	198	12.7	4,438	19.7	2,806	8.0	1,632				
Kuwait	0.8	22	1.0	14	0.6	8	1.8	51	2.0	29	1.7	22				
Kyrgyzstan	7.1	338	11.7	236	3.6	101	11.6	561	17.7	369	6.8	193				
Lao People's Democratic Republic	2.0	94	3.2	70	0.9	24	10.0	481	13.1	290	7.3	191				
Latvia	2.3	98	3.4	56	1.6	42	10.6	466	15.6	254	7.4	212				
Lebanon	2.2	164	2.7	102	1.8	62	5.3	382	5.4	201	5.2	181				
Lesotho	0.3	4	0.4	2	0.3	3	0.5	8	0.3	1	0.7	6				
Liberia	1.8	43	2.3	26	1.4	17	2.9	69	2.4	30	3.2	39				
Libya	0.9	41	1.2	27	0.6	14	2.9	146	3.6	85	2.4	61				
Lithuania	1.6	106	3.0	76	0.7	30	11.7	763	16.8	409	8.3	354				
Luxembourg	2.2	27	3.8	22	0.8	5	3.3	43	4.3	25	2.5	18				
Madagascar	1.2	154	1.4	86	1.0	67	1.9	246	1.4	94	2.3	153				
Malawi	0.9	82	1.4	55	0.5	27	1.4	127	1.6	63	1.3	64				
Malaysia	0.8	249	1.1	168	0.5	81	4.4	1,364	4.6	700	4.2	664				
Maldives	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0				
Mali	4.8	406	5.8	229	3.9	177	7.9	680	6.6	271	8.9	409				
Malta	2.5	26	4.0	21	1.3	5	3.6	38	4.4	21	2.9	17				
Mauritania	2.3	56	3.4	38	1.3	18	3.3	84	3.5	43	3.1	41				
Mauritius	2.8	55	4.5	40	1.5	16	3.8	75	4.5	39	3.3	35				
Mexico	1.1	1,516	1.6	1,001	0.7	515	4.5	6,030	4.6	2,920	4.3	3,110				
Mongolia	4.4	108	7.0	77	2.3	31	28.7	699	40.2	445	19.3	254				
Montenegro	1.0	11	1.7	8	0.4	3	4.0	48	5.1	27	3.1	21				
Morocco	1.0	373	1.5	261	0.6	112	3.7	1,388	4.7	858	2.7	530				
Mozambique	0.6	89	0.9	57	0.4	32	0.9	134	0.9	59	0.9	75				
Myanmar	2.1	1,080	3.4	790	1.0	290	10.7	5,543	14.2	3,274	8.0	2,269				
Namibia	0.9	14	1.6	10	0.5	5	1.3	22	1.6	10	1.2	11				
Nepal	2.4	583	3.1	357	1.7	227	3.9	963	4.7	534	3.2	428				
Netherlands	1.7	672	2.7	512	0.8	160	2.8	1,161	3.5	695	2.2	466				
New Caledonia	4.8	19	7.5	14	2.2	5	5.5	22	6.9	13	4.3	9				
New Zealand	2.1	192	3.2	140	1.1	52	2.3	207	2.6	114	2.1	93				
Nicaragua	2.1	115	3.5	84	1.0	31	7.9	427	10.0	238	6.2	189				
Niger	1.4	133	2.0	98	0.7	35	1.8	188	2.0	108	1.6	80				
Nigeria	1.0	991	1.6	745	0.5	246	1.4	1,413	1.7	846	1.1	567				
Norway	1.7	183	2.8	146	0.6	37	2.4	289	3.2	180	1.7	109				
Oman	2.7	65	3.6	51	1.4	14	5.9	148	7.2	106	4.2	42				
Pakistan	1.0	1,530	1.3	935	0.8	595	1.8	2,624	2.0	1,457	1.6	1,167				
Panama	2.2	105	3.7	83	0.8	21	7.9	382	11.1	254	5.1	129				
Papua New Guinea	4.1	217	6.0	143	2.5	74	5.2	276	5.7	131	4.9	145				
Paraguay	0.9	60	1.3	41	0.6	19	3.9	248	4.3	134	3.5	114				
Peru	1.9	656	2.9	462	1.0	194	14.2	5,075	16.4	2,625	12.4	2,450				
Philippines	0.6	485	0.9	338	0.3	147	3.2	2,614	3.9	1,406	2.7	1,208				
Poland	3.9	3,042	6.6	2,217	1.7	826	4.4	3,617	5.8	1,958	3.5	1,658				
Portugal	1.7	444	2.9	321	0.7	122	9.3	2,441	12.6	1,396	6.6	1,046				
Puerto Rico	0.9	63	1.5	45	0.4	18	3.0	228	3.8	124	2.4	104				
Qatar	1.5	13	1.9	10	1.0	3	3.0	30	3.6	21	2.8	9				
Republic of Korea	2.0	1,864	3.2	1,420	0.9	444	37.6	35,402	54.6	24,044	22.7	11,358				
Republic of Moldova	2.2	139	3.7	96	1.2	43	10.8	675	14.8	387	8.0	288				
Romania	1.5	609	2.4	429	0.7	179	6.9	2,921	10.2	1,866	4.3	1,056				
Russian Federation	2.1	5,591	3.7	3,664	1.1	1,928	11.2	29,622	16.7	16,786	7.7	12,835				
Rwanda	3.5	307	5.4	199	2.1	108	5.3	496	6.0	243	4.8	253				
Saint Lucia	1.9	5	3.1	4	0.7	1	6.8	18	9.2	10	4.6	8				

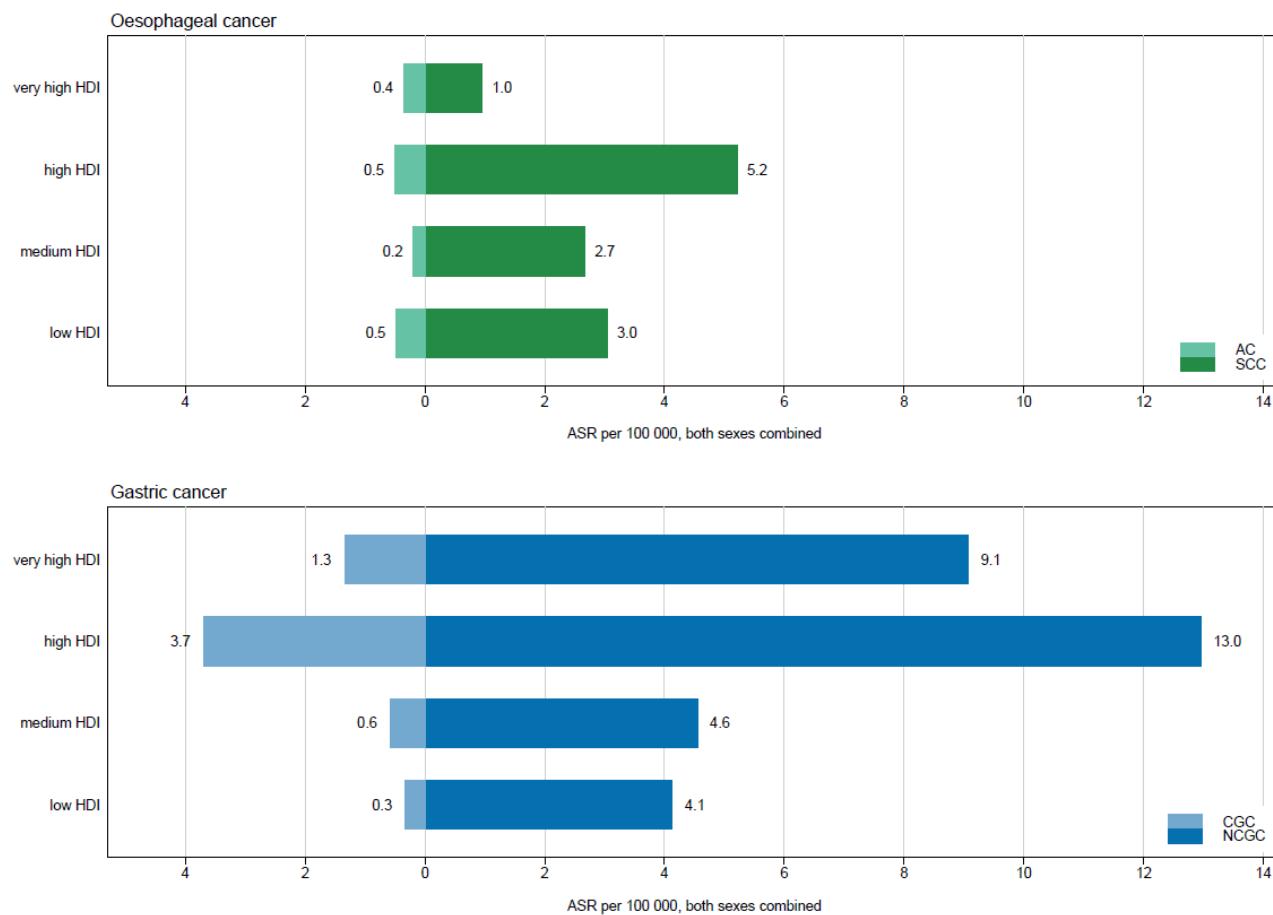
Country	Cardia Gastric Cancer							Non-cardia Gastric Cancer						
	Both sexes			Males		Females		Both sexes			Males		Females	
	ASR	N	ASR	N	ASR	N	ASR	N	ASR	N	ASR	N	ASR	N
Samoa	2.4	4	3.9	3	1.1	1	3.0	5	3.7	3	2.3	2		
Sao Tome and Principe	4.0	5	5.4	3	2.6	1	6.4	7	6.2	5	6.1	3		
Saudi Arabia	0.8	195	1.2	166	0.3	28	1.2	282	1.4	192	0.9	91		
Senegal	2.6	206	3.2	113	2.1	92	4.2	341	3.5	130	4.7	212		
Serbia	3.5	584	5.0	386	2.2	197	3.7	629	5.3	410	2.3	220		
Sierra Leone	2.5	83	3.3	55	1.6	28	3.6	127	3.5	63	3.7	64		
Singapore	1.4	159	2.1	109	0.8	50	7.6	889	8.7	461	6.8	428		
Slovakia	1.7	180	2.9	128	0.8	51	9.0	978	12.5	564	6.4	415		
Slovenia	2.1	104	3.4	76	1.0	28	6.8	348	9.0	207	4.9	141		
Solomon Islands	1.0	4	1.2	2	0.7	2	1.2	5	1.0	2	1.3	3		
Somalia	1.8	119	2.4	76	1.2	42	2.6	179	2.4	82	2.8	98		
South Africa	1.7	796	2.9	554	0.9	242	2.4	1,144	2.9	590	1.9	554		
South Sudan	1.8	118	2.5	79	1.1	39	2.5	168	2.5	79	2.5	89		
Spain	1.6	1,728	2.7	1,369	0.5	359	5.1	5,956	6.5	3,392	3.8	2,564		
Sri Lanka	1.5	422	1.8	236	1.2	186	2.5	707	2.7	353	2.3	354		
State of Palestine	1.4	38	2.0	25	0.9	13	3.3	89	4.0	50	2.7	39		
Sudan	0.5	112	0.8	83	0.2	30	1.6	399	2.3	259	1.1	139		
Suriname	1.0	6	1.6	5	0.3	1	3.6	22	5.4	15	2.1	7		
Swaziland	0.4	3	0.6	1	0.4	2	0.8	6	0.5	1	1.0	5		
Sweden	1.5	346	2.2	247	0.8	98	1.8	430	2.0	239	1.6	192		
Switzerland	2.2	401	3.5	307	0.9	94	3.2	616	3.7	329	2.8	287		
Syrian Arab Republic	1.7	223	2.4	141	1.1	82	4.0	524	4.7	283	3.4	241		
Tajikistan	5.9	333	8.1	210	4.0	123	9.7	559	12.1	323	7.6	236		
Thailand	0.6	617	0.8	409	0.3	208	3.0	3,387	3.3	1,699	2.8	1,688		
The former Yugoslav Republic of Macedonia	2.1	76	3.7	62	0.7	14	8.3	303	11.6	198	5.4	105		
Timor-Leste	0.6	4	1.1	3	0.3	1	3.1	22	4.4	14	2.1	8		
Togo	2.8	113	4.2	79	1.6	34	4.1	168	4.5	89	3.7	79		
Trinidad and Tobago	0.9	18	1.5	14	0.3	4	3.3	67	4.7	41	2.2	26		
Tunisia	1.0	145	1.4	93	0.7	51	3.5	492	4.2	282	2.8	211		
Turkey	3.5	3,395	5.3	2,246	2.1	1,149	8.9	8,539	12.3	5,168	6.3	3,371		
Turkmenistan	4.2	189	6.9	131	2.3	58	7.0	318	10.4	206	4.3	112		
Uganda	1.7	266	2.9	191	0.9	75	2.2	345	2.5	176	1.9	169		
Ukraine	1.9	1,573	3.4	1,109	0.9	465	9.2	7,844	14.1	4,652	6.1	3,191		
United Arab Emirates	1.4	38	1.4	24	1.4	14	3.0	89	2.7	49	4.1	40		
United Kingdom	2.0	3,220	3.1	2,325	1.1	895	1.8	3,150	2.2	1,794	1.6	1,356		
United Republic of Tanzania	1.8	508	1.9	251	1.7	257	3.0	845	1.9	268	3.9	577		
United States of America	1.8	11,025	2.9	8,468	0.7	2,556	2.4	15,001	2.7	8,016	2.1	6,986		
Uruguay	1.6	101	2.9	76	0.7	25	6.4	403	9.6	249	4.0	154		
Uzbekistan	3.9	1,021	5.5	628	2.7	393	6.5	1,718	8.3	966	5.1	752		
Vanuatu	1.2	3	1.3	1	1.2	1	1.6	3	1.0	1	2.3	3		
Venezuela (Bolivarian Republic of)	1.4	478	2.1	318	0.9	160	6.1	2,022	7.0	1,049	5.3	973		
Viet Nam	2.6	2,876	4.5	2,172	1.1	704	13.3	14,651	18.8	8,989	9.1	5,662		
Yemen	2.0	273	2.9	182	1.3	91	4.5	623	5.6	357	3.6	266		
Zambia	1.2	91	1.7	54	0.9	37	1.9	143	1.7	57	2.0	86		
Zimbabwe	3.2	230	3.5	107	2.9	122	5.3	382	3.4	105	6.6	278		

Supplementary Figure 1: Global estimates of oesophageal and gastric cancer by subsite/-type and Human Development Index (HDI), 2018.



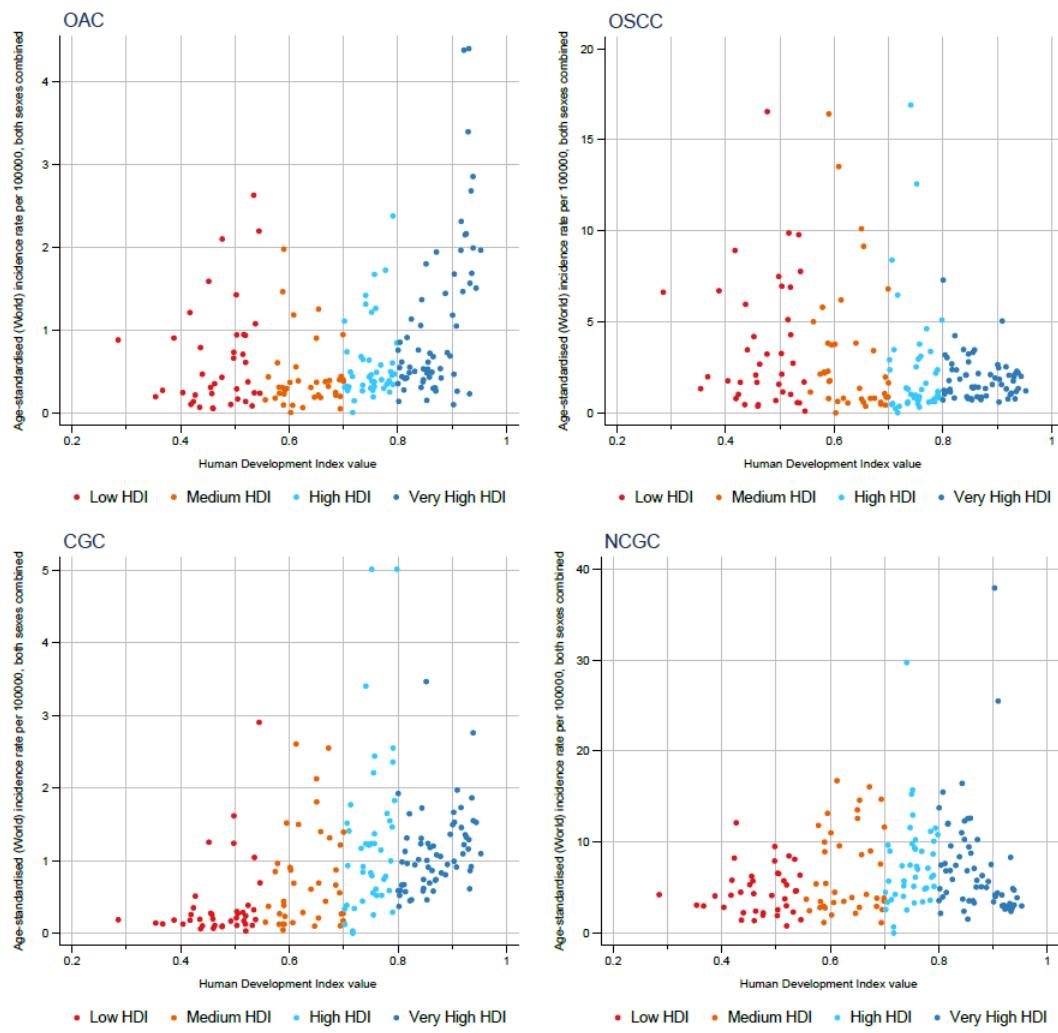
OAC: oesophageal adenocarcinoma; OSCC: oesophageal squamous cell carcinoma; CGC: cardia gastric cancer; NCGC: non-cardia gastric cancer

Supplementary Figure 2: Age-standardised incidence rates (World) per 100,000 of oesophageal and gastric cancer by subsite/type and Human Development Index (HDI), both sexes combined, 2018



OAC: oesophageal adenocarcinoma; OSCC: oesophageal squamous cell carcinoma; CGC: cardia gastric cancer; NCGC: non-cardia gastric cancer

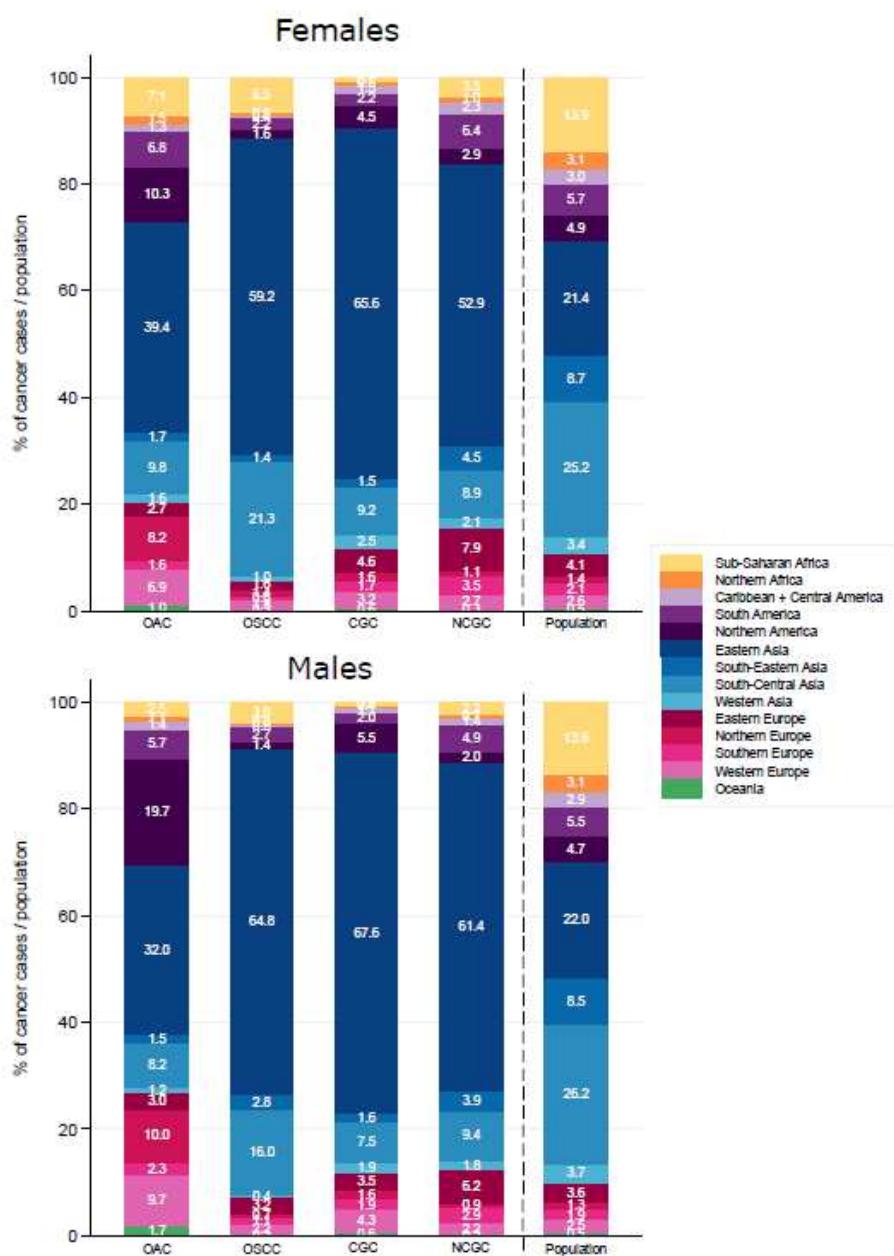
Supplementary Figure 3: Correlation between age-standardised incidence rates of oesophageal and gastric cancer by subsite/-type and human development index (HDI) in both sexes combined, 2018.



OAC: oesophageal adenocarcinoma; OSCC: oesophageal squamous cell carcinoma; CGC: cardia gastric cancer; NCGC: non-cardia gastric cancer

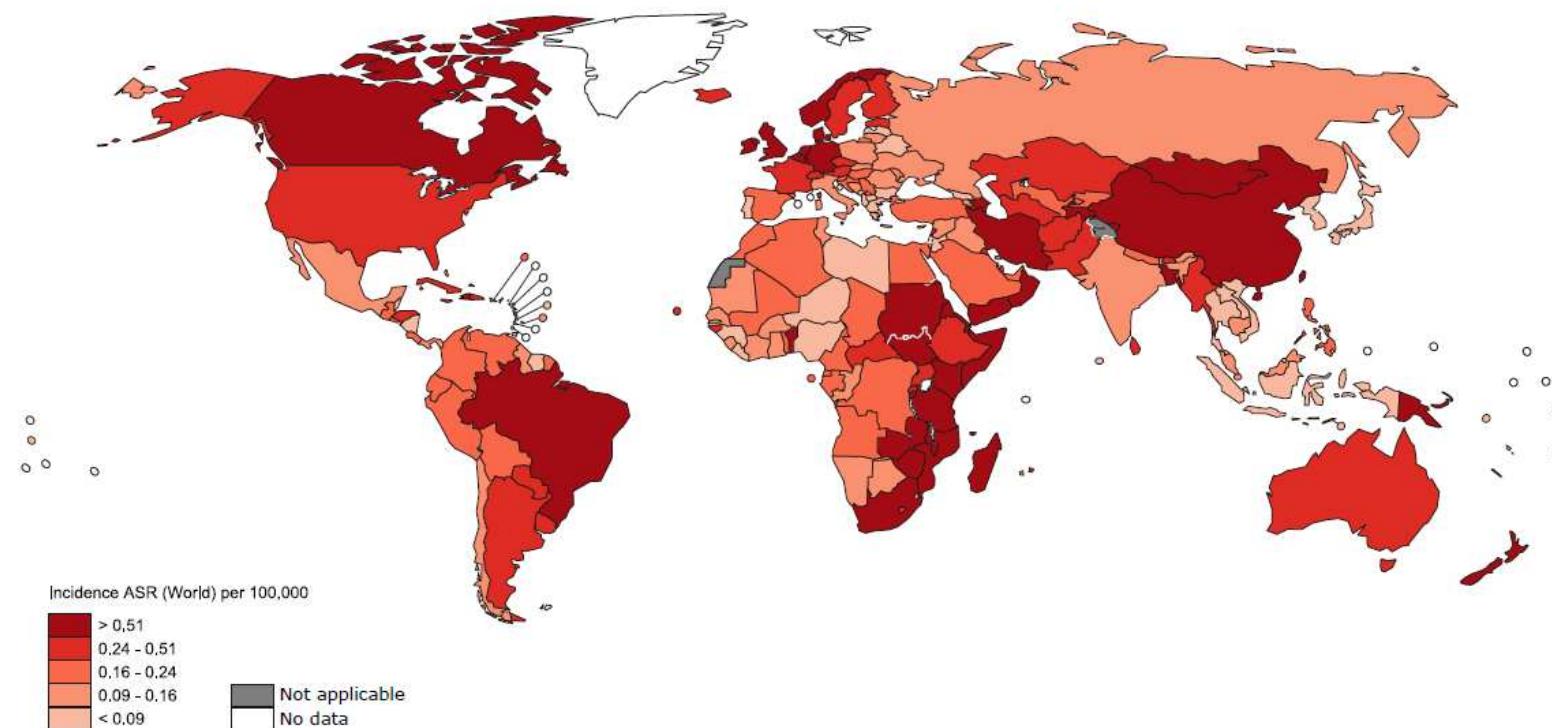
Correlations were statistically significant ($p \leq 0.05$) for OAC, CGC and NCGC

Supplementary Figure 4: Global estimates of oesophageal and gastric cancer by subsite/type and world region for males and females, 2018.



OAC: oesophageal adenocarcinoma; OSCC: oesophageal squamous cell carcinoma; CGC: cardia gastric cancer; NCGC: non-cardia gastric cancer

Supplementary Figure 5: Age-standardised incidence rates (ASR) per 100,000 person-years of oesophageal adenocarcinoma in females in 2018

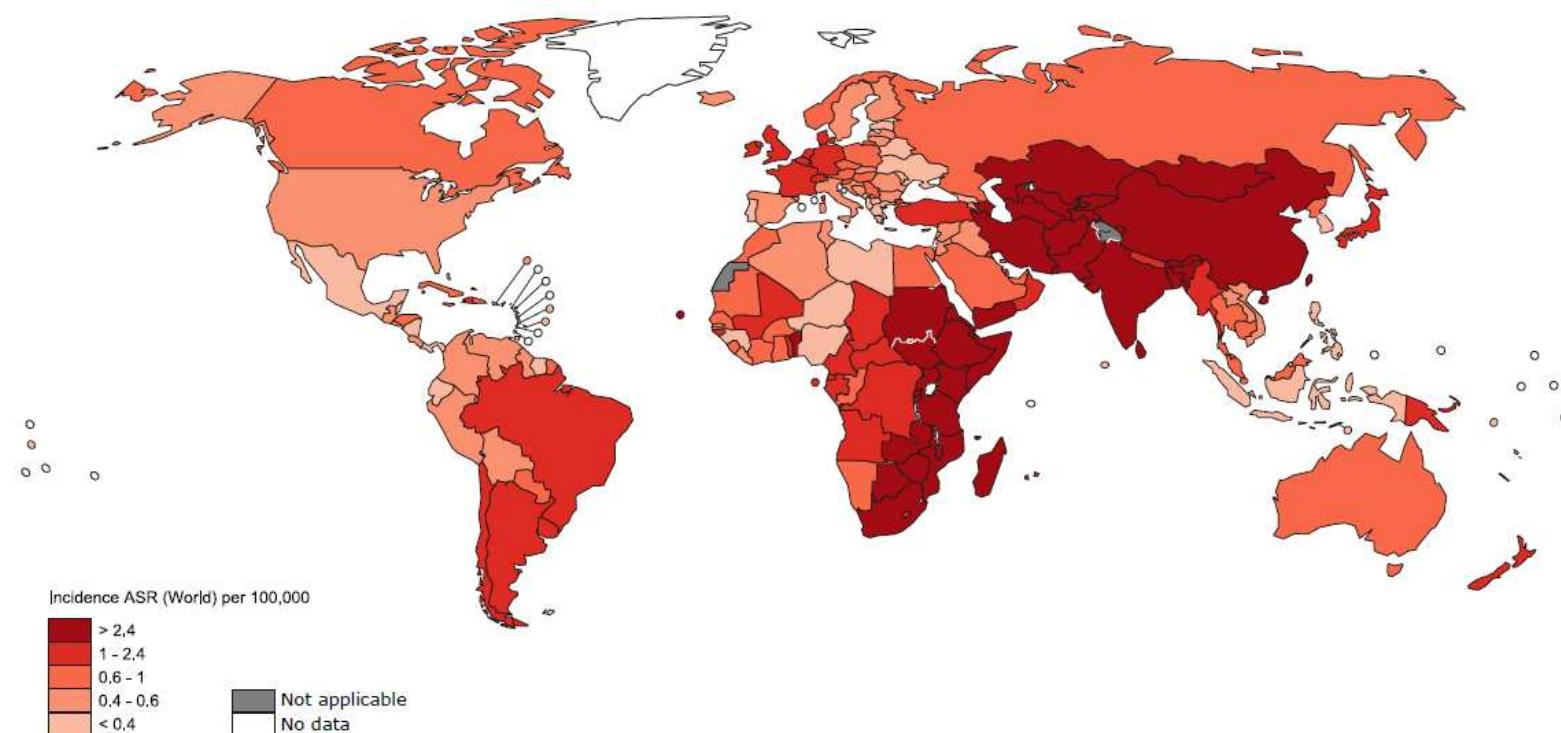


All rights reserved. The designations employed and the presentation of the material in this publication do not imply the expression of any opinion whatsoever on the part of the World Health Organization / International Agency for Research on Cancer concerning the legal status of any country, territory, city or area or of its authorities, or concerning the delimitation of its frontiers or boundaries. Dotted and dashed lines on maps represent approximate borderlines for which there may not yet be full agreement.



© WHO 2019. All rights reserved

Supplementary Figure 6: Age-standardised incidence rates (ASR) per 100,000 person-years of oesophageal squamous cell carcinoma in females in 2018

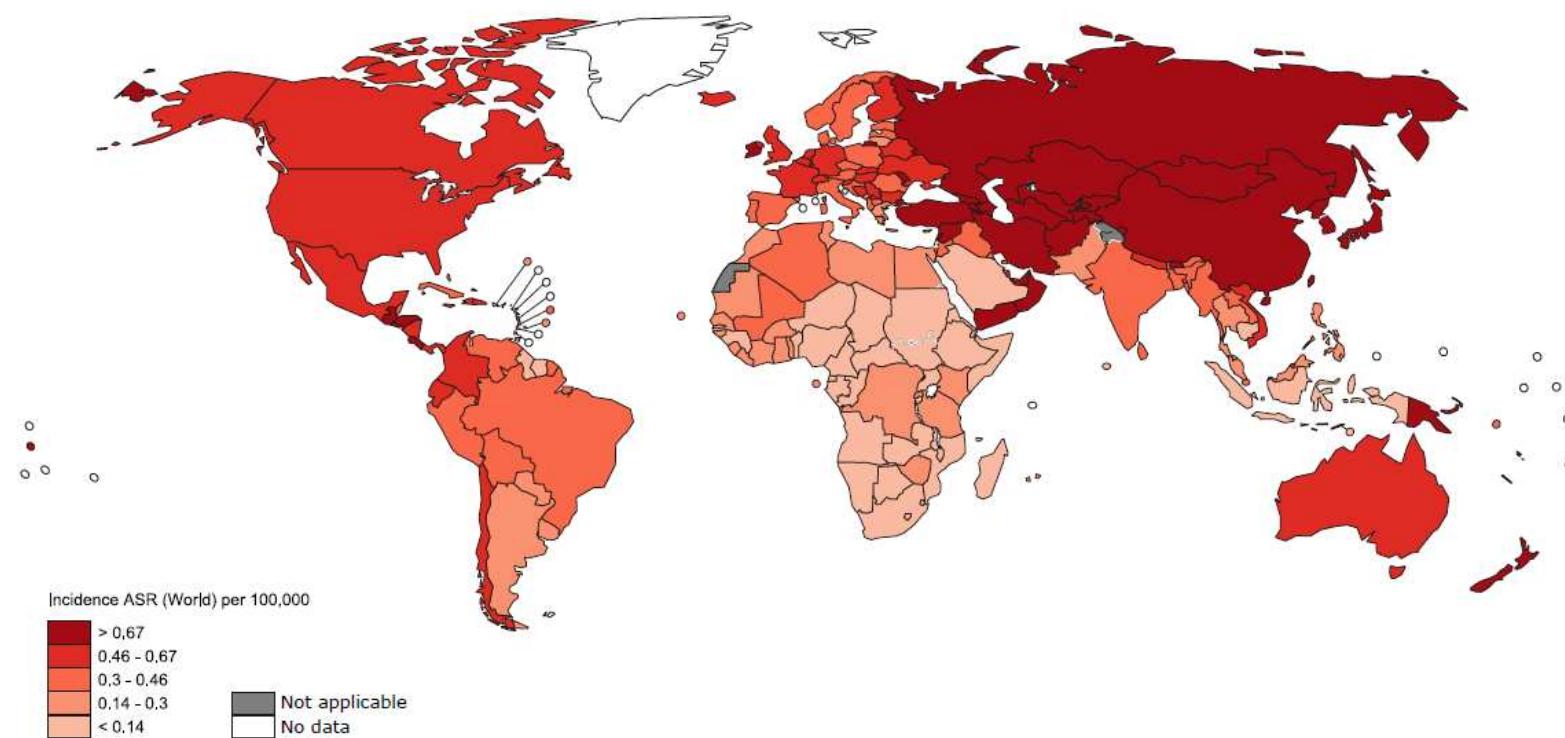


All rights reserved. The designations employed and the presentation of the material in this publication do not imply the expression of any opinion whatsoever on the part of the World Health Organization / International Agency for Research on Cancer concerning the legal status of any country, territory, city or area or of its authorities, or concerning the delimitation of its frontiers or boundaries. Dotted and dashed lines on maps represent approximate borderlines for which there may not yet be full agreement.



© WHO 2019. All rights reserved

Supplementary Figure 7: Age-standardised incidence rates (ASR) per 100,000 person-years of cardia gastric cancer in females in 2018

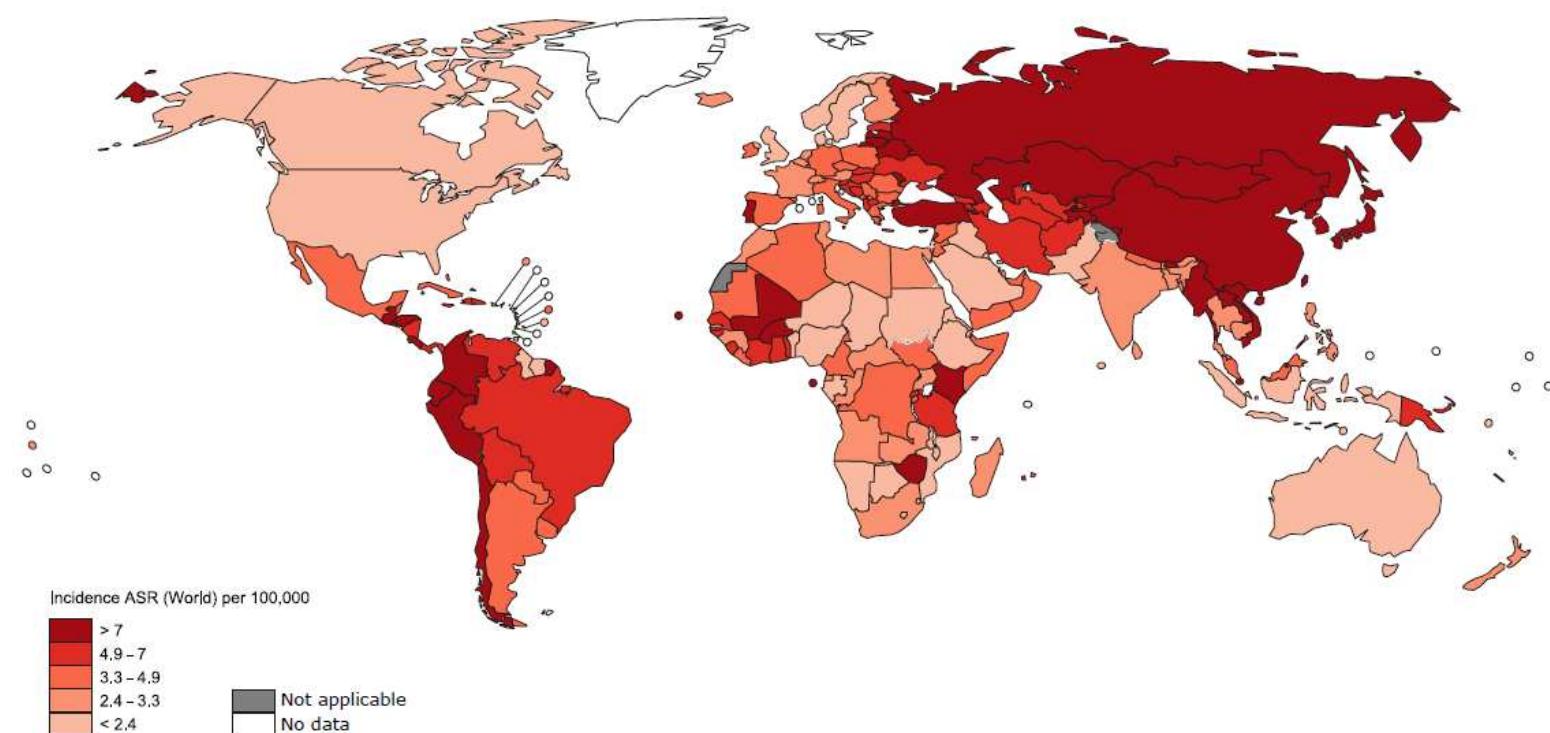


All rights reserved. The designations employed and the presentation of the material in this publication do not imply the expression of any opinion whatsoever on the part of the World Health Organization / International Agency for Research on Cancer concerning the legal status of any country, territory, city or area or of its authorities, or concerning the delimitation of its frontiers or boundaries. Dotted and dashed lines on maps represent approximate borderlines for which there may not yet be full agreement.



© WHO 2019. All rights reserved

Supplementary Figure 8: Age-standardised incidence rates (ASR) per 100,000 person-years of non-cardia gastric cancer in females in 2018

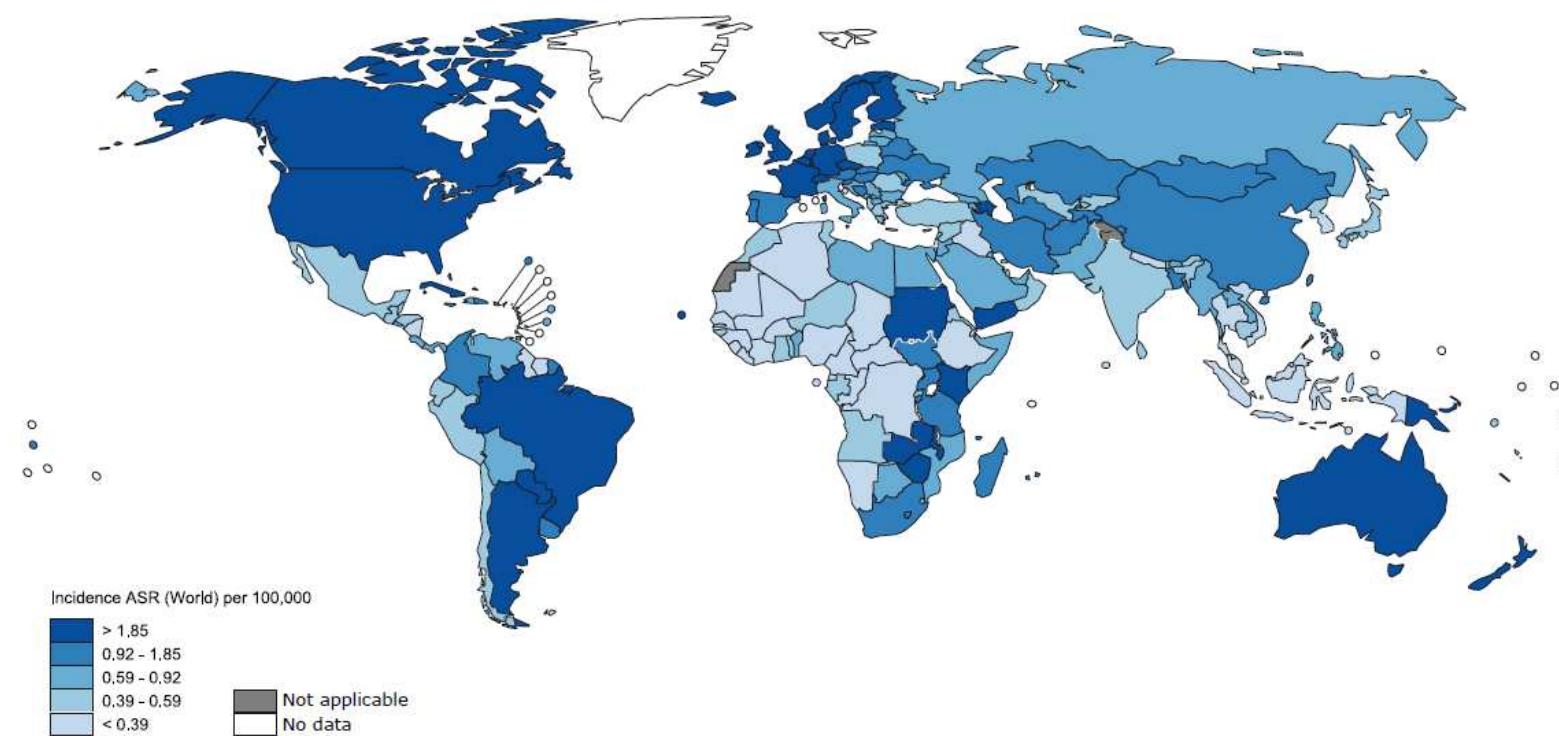


All rights reserved. The designations employed and the presentation of the material in this publication do not imply the expression of any opinion whatsoever on the part of the World Health Organization / International Agency for Research on Cancer concerning the legal status of any country, territory, city or area or of its authorities, or concerning the delimitation of its frontiers or boundaries. Dotted and dashed lines on maps represent approximate borderlines for which there may not yet be full agreement.



© WHO 2019. All rights reserved

Supplementary Figure 9: Age-standardised incidence rates (ASR) per 100,000 person-years of oesophageal adenocarcinoma in males in 2018

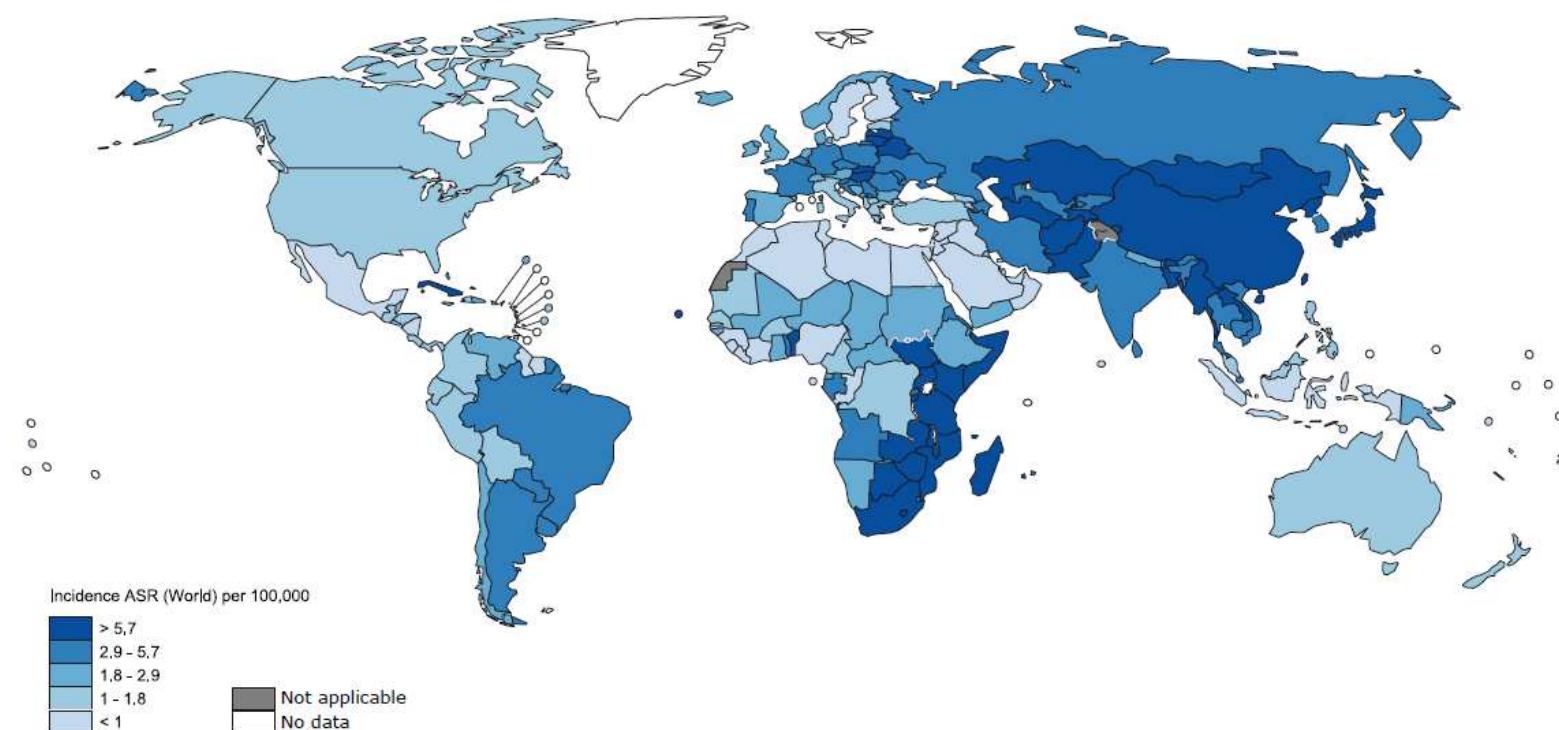


All rights reserved. The designations employed and the presentation of the material in this publication do not imply the expression of any opinion whatsoever on the part of the World Health Organization / International Agency for Research on Cancer concerning the legal status of any country, territory, city or area or of its authorities, or concerning the delimitation of its frontiers or boundaries. Dotted and dashed lines on maps represent approximate borderlines for which there may not yet be full agreement.



© WHO 2019. All rights reserved

Supplementary Figure 10: Age-standardised incidence rates (ASR) per 100,000 person-years of oesophageal squamous cell carcinoma in males in 2018

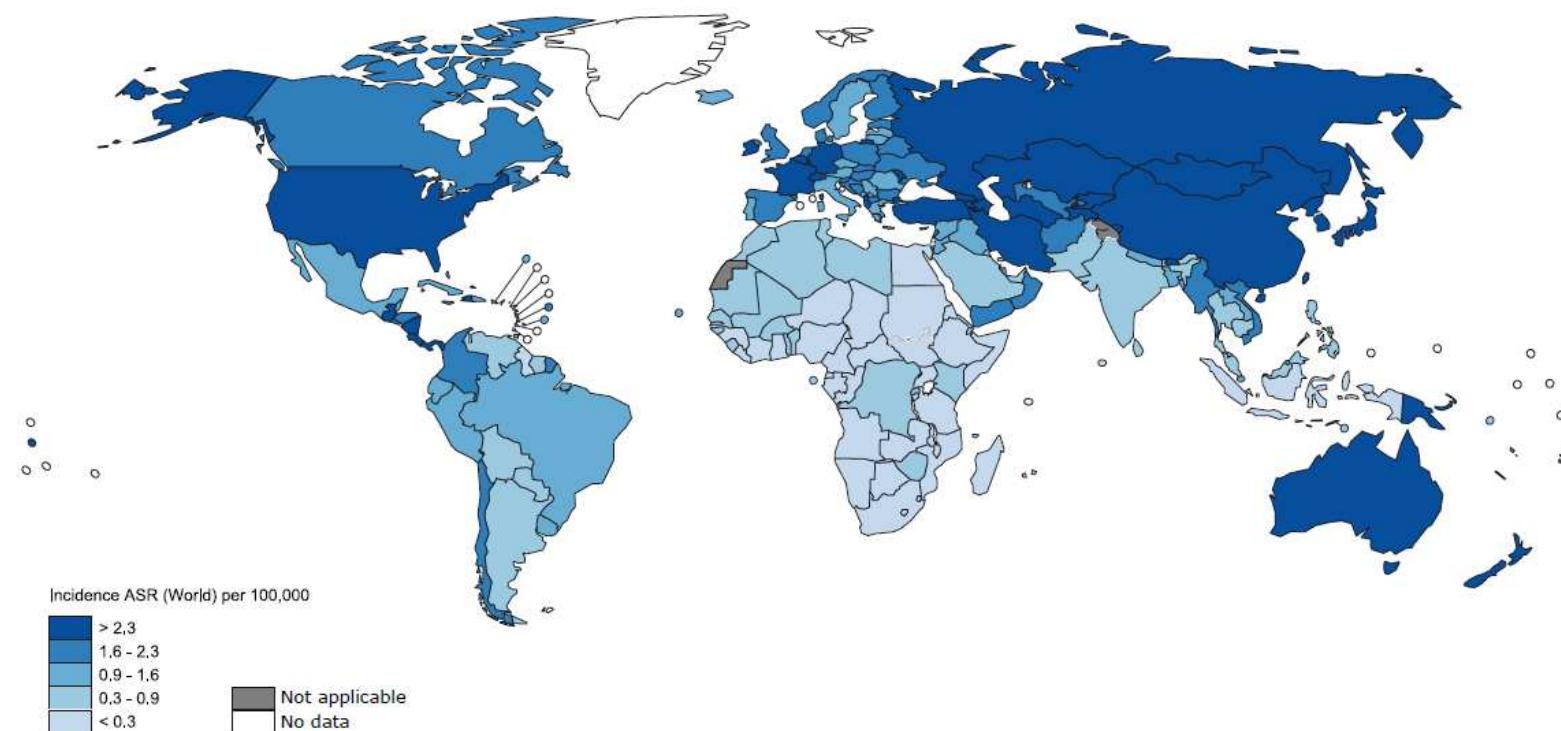


All rights reserved. The designations employed and the presentation of the material in this publication do not imply the expression of any opinion whatsoever on the part of the World Health Organization / International Agency for Research on Cancer concerning the legal status of any country, territory, city or area or of its authorities, or concerning the delimitation of its frontiers or boundaries. Dotted and dashed lines on maps represent approximate borderlines for which there may not yet be full agreement.



© WHO 2019. All rights reserved

Supplementary Figure 11: Age-standardised incidence rates (ASR) per 100,000 person-years of cardia gastric cancer in males in 2018

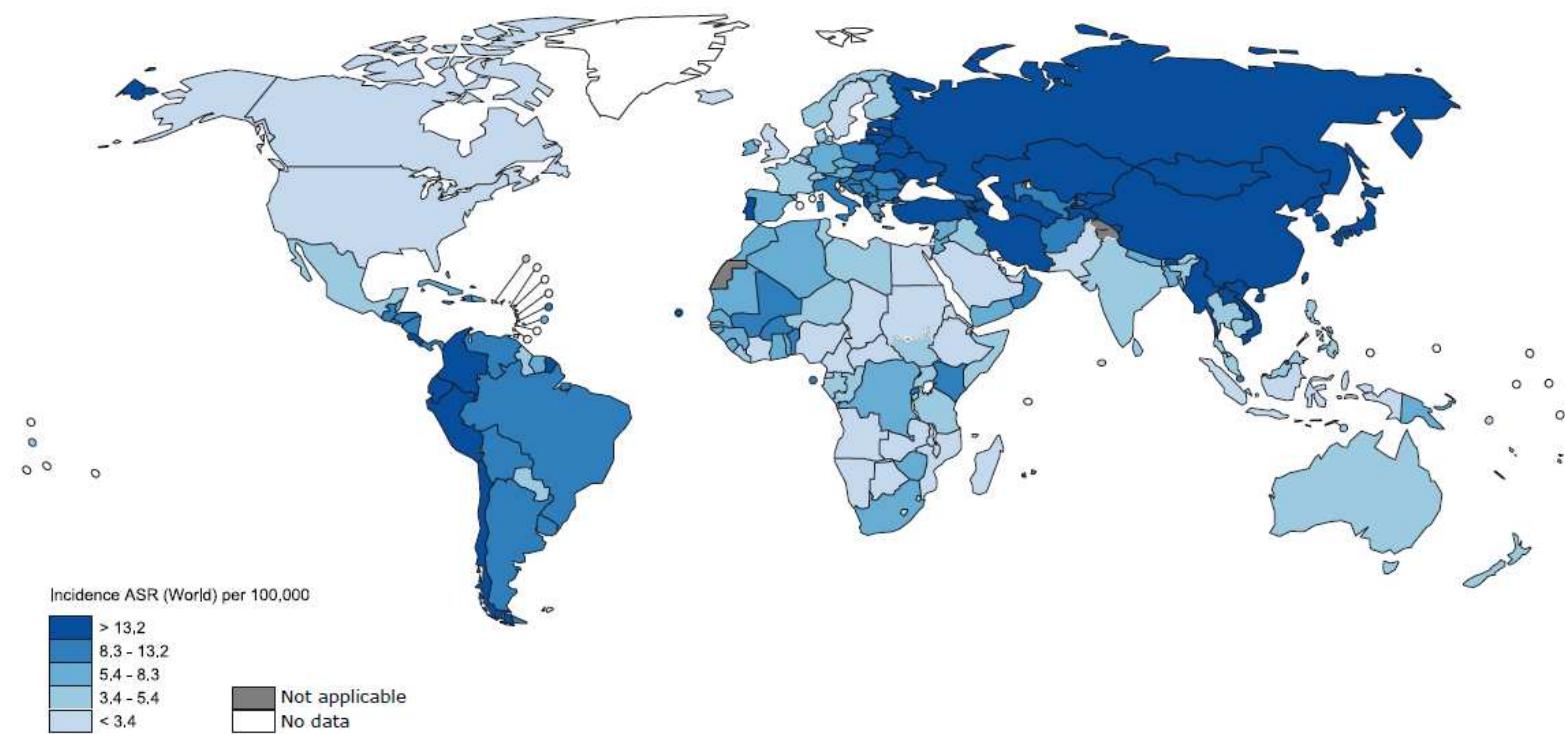


All rights reserved. The designations employed and the presentation of the material in this publication do not imply the expression of any opinion whatsoever on the part of the World Health Organization / International Agency for Research on Cancer concerning the legal status of any country, territory, city or area or of its authorities, or concerning the delimitation of its frontiers or boundaries. Dotted and dashed lines on maps represent approximate borderlines for which there may not yet be full agreement.



© WHO 2019. All rights reserved

Supplementary Figure 12: Age-standardised incidence rates (ASR) per 100,000 person-years of non-cardia gastric cancer in males in 2018



All rights reserved. The designations employed and the presentation of the material in this publication do not imply the expression of any opinion whatsoever on the part of the World Health Organization / International Agency for Research on Cancer concerning the legal status of any country, territory, city or area or of its authorities, or concerning the delimitation of its frontiers or boundaries. Dotted and dashed lines on maps represent approximate borderlines for which there may not yet be full agreement.



© WHO 2019. All rights reserved