

Supplementary file

UN Member State Name	Country classification, exchange rate, and smoking-Attributable Death rate				Smoking-Attributable Health Expenditure			Total Economic Cost Attributable to Smoking		
	Income Group	WHO Region	PPP\$ Rate	SAD Rate	PPP\$ (Mn)	NCU (Mn)	% THE (%)	PPP\$ (Mn)	NCU (Mn)	% GDP (%)
Afghanistan	LIC	EMR	18.5	375	438	8,096	9.2%	1,195	22,078	2.1%
Albania	UMIC	EUR	46.9	287	113	5,323	7.1%	739	34,680	2.5%
Algeria	UMIC	AFR	31.7	90	666	21,087	2.2%	5,330	168,775	1.1%
Argentina	UMIC	AMR	2.9	192	3,014	8,772	4.7%	13,992	40,719	1.6%
Armenia	LMIC	EUR	181.6	512	125	22,634	12.6%	863	156,761	3.9%
Australia	HIC	WPR	1.5	170	4,046	6,181	4.3%	13,421	20,499	1.3%
Austria	HIC	EUR	0.8	188	2,347	1,976	5.8%	8,015	6,748	2.1%
Azerbaijan	UMIC	EUR	0.5	207	417	229	5.1%	2,526	1,387	1.7%
Bahamas	HIC	AMR	1.0	67	10	10	1.6%	41	39	0.5%
Bahrain	HIC	EMR	0.3	94	50	16	2.3%	136	44	0.2%
Bangladesh	LIC	SEAR	24.7	255	884	21,819	6.7%	6,426	158,578	1.4%
Barbados	HIC	AMR	1.4	28	3	4	0.7%	11	16	0.2%
Belarus	UMIC	EUR	3,258	344	692	2,254,533	8.5%	4,597	14,975,636	2.8%
Belgium	HIC	EUR	0.8	295	3,085	2,621	6.4%	11,303	9,600	2.4%
Belize	UMIC	AMR	1.1	85	3	4	2.1%	9	11	0.3%
Benin	LIC	AFR	223.3	27	6	1,276	0.7%	17	3,748	0.1%
Bhutan	LMIC	SEAR	18.3	122	6	108	3.0%	66	1,215	1.3%
Bolivia	LMIC	AMR	3.1	74	64	197	1.8%	156	482	0.3%
Bosnia and Herzegovina	UMIC	EUR	0.7	303	267	194	7.5%	1,227	891	3.4%
Botswana	UMIC	AFR	3.8	60	24	90	1.5%	119	447	0.4%

Brazil	UMIC	AMR	1.5	143	16,955	25,722	6.1%	48,140	73,031	1.6%
Brunei Darussalam	HIC	WPR	0.7	102	17	12	2.5%	270	190	0.9%
Bulgaria	UMIC	EUR	0.7	296	343	232	4.0%	4,458	3,011	3.7%
Burkina Faso	LIC	AFR	214.0	100	39	8,251	2.5%	59	12,668	0.2%
Burundi	LIC	AFR	483.0	47	7	3,460	1.2%	12	5,955	0.2%
Cabo Verde	LMIC	AFR	48.1	15	1	25	0.4%	3	120	0.1%
Cambodia	LIC	WPR	1,343.0	217	166	223,137	5.4%	669	898,311	1.6%
Cameroon	LMIC	AFR	239.9	56	39	9,259	1.4%	117	28,184	0.2%
Canada	HIC	AMR	1.2	239	5,851	7,308	3.7%	25,633	32,018	1.7%
Central African Republic	LIC	AFR	258.3	56	2	579	1.4%	8	1,963	0.2%
Chad	LIC	AFR	259.3	68	15	3,928	1.7%	45	11,569	0.2%
Chile	HIC	AMR	334.2	102	704	235,343	2.5%	2,224	743,256	0.6%
China	UMIC	WPR	3.5	137	24,320	85,463	3.0%	111,721	392,591	0.8%
Colombia	UMIC	AMR	1,178.1	84	799	941,796	2.1%	2,900	3,416,058	0.5%
Comoros	LIC	AFR	209.3	20	0	73	0.5%	1	285	0.1%
Costa Rica	UMIC	AMR	354.7	55	88	31,247	1.4%	181	64,228	0.3%
Côte d'Ivoire	LMIC	AFR	227.2	151	133	30,333	3.7%	261	59,394	0.4%
Croatia	HIC	EUR	3.8	319	496	1,869	7.9%	2,722	10,251	3.1%
Cuba	UMIC	AMR	0.8	234	1,133	878	5.8%	4,751	3,682	3.9%
Cyprus	HIC	EUR	0.7	101	70	47	3.6%	216	145	0.7%
Czech Republic	HIC	EUR	13.6	296	1,948	26,416	9.1%	7,615	103,265	2.5%
Denmark	HIC	EUR	7.8	358	2,146	16,711	8.3%	6,516	50,730	2.7%
Djibouti	LMIC	EMR	98.0	19	1	97	0.5%	4	438	0.2%
Dominican Republic	UMIC	AMR	20.1	150	230	4,626	3.7%	851	17,110	0.7%
Ecuador	UMIC	AMR	0.5	34	86	47	0.8%	262	141	0.2%
Egypt	LMIC	EMR	1.8	94	997	1,790	2.3%	10,206	18,324	1.2%
El Salvador	LMIC	AMR	0.5	7	6	3	0.2%	76	40	0.2%

Equatorial Guinea	HIC	AFR	318.4	80	18	5,694	2.0%	135	43,133	0.5%
Estonia	HIC	EUR	0.5	349	156	85	8.3%	886	484	2.7%
Ethiopia	LIC	AFR	6.5	31	43	280	0.8%	214	1,391	0.2%
Finland	HIC	EUR	0.9	155	1,001	926	5.3%	2,798	2,589	1.3%
France	HIC	EUR	0.9	193	16,779	14,394	6.1%	58,195	49,922	2.3%
Gabon	UMIC	AFR	304.1	109	29	8,965	2.7%	195	59,221	0.6%
Gambia	LIC	AFR	10.2	63	3	28	1.6%	5	52	0.2%
Georgia	LMIC	EUR	0.9	119	82	70	2.9%	724	619	2.4%
Germany	HIC	EUR	0.8	215	17,382	13,767	4.6%	73,490	58,205	2.1%
Ghana	LMIC	AFR	0.8	28	34	27	0.7%	123	97	0.1%
Greece	HIC	EUR	0.7	238	1,676	1,147	6.4%	6,815	4,663	2.4%
Guatemala	LMIC	AMR	3.7	78	133	489	1.9%	384	1,414	0.4%
Guinea	LIC	AFR	2,794.2	95	15	41,712	2.3%	58	160,721	0.4%
Guinea-Bissau	LIC	AFR	201.8	49	2	324	1.2%	4	834	0.2%
Guyana	LMIC	AMR	118.9	34	3	316	0.8%	29	3,409	0.6%
Haiti	LIC	AMR	26.3	18	5	137	0.4%	45	1,191	0.3%
Honduras	LMIC	AMR	10.1	121	100	1,019	3.0%	199	2,020	0.6%
Hungary	UMIC	EUR	127.4	495	2,086	265,852	11.9%	12,302	1,567,437	5.4%
Iceland	HIC	EUR	138.2	206	56	7,786	5.1%	189	26,135	1.4%
India	LMIC	SEAR	15.9	112	8,369	133,198	3.5%	114,276	1,818,691	1.8%
Indonesia	LMIC	SEAR	3,700.0	245	4,075	15,075,983	6.0%	172,752	639,173,131	1.8%
Iran	UMIC	EMR	4,849.0	48	1,094	5,303,095	1.2%	5,124	24,846,407	0.4%
Iraq	UMIC	EMR	523.3	333	1,694	886,350	8.2%	7,558	3,954,546	1.5%
Ireland	HIC	EUR	0.8	284	1,242	1,033	7.1%	3,398	2,826	1.6%
Israel	HIC	EUR	4.0	114	476	1,898	2.6%	2,355	9,391	1.0%
Italy	HIC	EUR	0.8	211	11,799	9,069	6.3%	33,877	26,041	1.6%
Jamaica	UMIC	AMR	61.3	155	46	2,832	3.8%	252	15,481	1.1%

Japan	HIC	WPR	105.2	200	17,598	1,850,838	3.8%	39,249	4,127,905	0.9%
Jordan	UMIC	EMR	0.6	109	156	91	2.7%	869	505	1.2%
Kazakhstan	UMIC	EUR	82.6	555	2,167	178,970	13.7%	13,761	1,136,541	3.7%
Kenya	LIC	AFR	36.0	35	36	1,296	0.9%	83	2,978	0.1%
Kuwait	HIC	EMR	0.3	9	16	6	0.2%	67	23	0.0%
Kyrgyzstan	LMIC	EUR	19.0	260	73	1,387	6.4%	340	6,450	2.1%
Lao PDR	LMIC	WPR	2,533.2	284	40	100,851	7.0%	429	1,086,450	1.5%
Latvia	HIC	EUR	0.4	326	208	85	8.1%	1,418	577	3.2%
Lebanon	UMIC	EMR	869.8	121	223	194,366	4.2%	826	718,082	1.1%
Lesotho	LMIC	AFR	3.8	73	11	42	1.8%	20	78	0.4%
Liberia	LIC	AFR	38.2	47	4	140	1.2%	8	315	0.3%
Libya	UMIC	EMR	0.7	65	116	84	1.6%	1,500	1,080	1.0%
Lithuania	HIC	EUR	1.6	282	395	629	8.3%	2,339	3,730	3.2%
Luxembourg	HIC	EUR	0.9	214	217	200	6.5%	740	682	1.6%
Macedonia	UMIC	EUR	18.8	250	103	1,946	6.2%	852	16,065	3.4%
Madagascar	LIC	AFR	703.0	32	8	5,652	0.8%	118	83,042	0.4%
Malaysia	UMIC	WPR	1.4	209	1,347	1,946	5.2%	10,926	15,785	1.7%
Mali	LIC	AFR	218.0	49	18	3,838	1.2%	30	6,530	0.1%
Malta	HIC	EUR	0.6	150	58	33	5.5%	203	116	1.6%
Mauritania	LMIC	AFR	107.5	33	4	411	0.8%	13	1,448	0.1%
Mauritius	UMIC	AFR	16.2	102	25	410	2.5%	219	3,532	1.0%
Mexico	UMIC	AMR	7.7	65	5,345	40,982	4.3%	7,450	57,127	0.4%
Moldova	LMIC	EUR	5.9	273	119	699	6.7%	571	3,353	3.8%
Mongolia	LMIC	WPR	593.6	353	129	76,622	8.7%	733	435,036	2.6%
Morocco	LMIC	EMR	3.6	82	284	1,032	2.0%	4,509	16,371	2.0%
Myanmar	LIC	SEAR	485.2	344	156	75,604	8.5%	5,476	2,657,084	2.7%
Namibia	UMIC	AFR	5.2	60	25	129	1.5%	65	338	0.3%

Nepal	LIC	SEAR	25.8	134	108	2,774	3.3%	889	22,942	1.5%
Netherlands	HIC	EUR	0.8	268	7,085	5,965	7.9%	20,112	16,933	2.6%
New Zealand	HIC	WPR	1.5	196	701	1,040	4.8%	2,197	3,257	1.5%
Nicaragua	LMIC	AMR	9.6	70	37	351	1.7%	138	1,319	0.5%
Norway	HIC	EUR	8.9	209	1,558	13,925	5.2%	4,958	44,319	1.5%
Oman	HIC	EMR	0.3	32	18	6	0.8%	145	47	0.1%
Pakistan	LMIC	EMR	25.3	128	694	17,539	3.2%	5,666	143,208	0.7%
Panama	UMIC	AMR	0.6	48	59	33	1.2%	249	139	0.4%
Papua New Guinea	LMIC	WPR	1.9	4	1	2	0.1%	58	108	0.4%
Paraguay	LMIC	AMR	2,293.0	97	110	251,956	2.4%	507	1,163,669	1.1%
Peru	UMIC	AMR	1.5	50	208	317	1.2%	1,083	1,653	0.3%
Philippines	LMIC	WPR	17.9	200	1,290	23,060	4.9%	15,062	269,326	2.5%
Poland	HIC	EUR	1.9	353	3,839	7,115	6.6%	30,792	57,073	3.5%
Portugal	HIC	EUR	0.6	155	1,197	738	4.5%	4,960	3,061	1.8%
Qatar	HIC	EMR	2.6	5	6	17	0.1%	309	801	0.1%
Romania	UMIC	EUR	1.7	295	987	1,631	5.0%	14,949	24,704	4.2%
Russian Federation	HIC	EUR	18.5	398	28,455	526,096	13.0%	129,903	2,401,699	3.8%
Rwanda	LIC	AFR	272.1	17	8	2,099	0.4%	16	4,389	0.1%
Saudi Arabia	HIC	EMR	1.9	32	438	819	0.8%	2,430	4,545	0.2%
Senegal	LMIC	AFR	236.2	34	11	2,563	0.8%	23	5,522	0.1%
Sierra Leone	LIC	AFR	1,709.1	109	28	48,285	2.7%	50	85,378	0.5%
Singapore	HIC	WPR	0.9	157	304	271	1.8%	3,493	3,105	0.9%
Slovakia	HIC	EUR	0.5	268	681	353	6.1%	3,859	2,002	2.7%
Slovenia	HIC	EUR	0.6	279	355	218	6.6%	1,355	833	2.3%
Solomon Islands	LMIC	WPR	6.6	25	0	3	0.6%	3	21	0.3%
South Africa	UMIC	AFR	4.9	234	3,297	16,157	5.8%	12,065	59,128	1.8%
South Korea	HIC	WPR	865.7	211	8,191	7,090,905	7.3%	16,978	14,697,237	1.0%

Spain	HIC	EUR	0.7	185	8,217	5,740	6.0%	29,738	20,773	2.0%
Sri Lanka	LMIC	SEAR	41.4	131	184	7,604	3.2%	2,416	99,965	1.3%
Sudan	LMIC	EMR	1.7	13	30	50	0.3%	63	106	0.0%
Suriname	UMIC	AMR	2.0	104	10	20	2.6%	67	134	0.8%
Swaziland	LMIC	AFR	4.2	70	11	47	1.7%	28	116	0.3%
Sweden	HIC	EUR	8.9	147	1,169	10,371	3.1%	4,322	38,354	1.0%
Switzerland	HIC	EUR	1.4	153	1,614	2,291	3.4%	7,090	10,063	1.6%
Syria	LMIC	EMR	28.3	53	48	1,366	1.3%	1,000	28,264	0.9%
Tajikistan	LIC	EUR	1.9	50	15	29	1.2%	143	274	0.8%
Thailand	UMIC	SEAR	12.2	174	1,512	18,429	3.6%	17,084	208,199	1.8%
Timor-Leste	LMIC	SEAR	0.6	159	5	3	3.9%	114	64	1.5%
Togo	LIC	AFR	225.1	33	6	1,330	0.8%	11	2,410	0.1%
Trinidad and Tobago	HIC	AMR	3.8	90	50	189	2.2%	493	1,858	1.2%
Tunisia	UMIC	EMR	0.6	77	155	95	1.9%	2,086	1,274	1.8%
Turkey	UMIC	EUR	1.1	258	4,604	4,847	6.3%	39,412	41,494	2.9%
Ukraine	LMIC	EUR	3.7	331	2,357	8,605	8.2%	12,509	45,668	3.2%
United Arab Emirates	HIC	EMR	2.6	5	20	52	0.1%	396	1,044	0.1%
United Kingdom	HIC	EUR	0.7	330	11,333	7,973	5.5%	43,247	30,424	1.8%
United States	HIC	AMR	1.0	318	203,594	203,594	7.4%	510,256	510,256	3.2%
Uruguay	HIC	AMR	16.1	243	324	5,221	6.0%	1,626	26,213	2.6%
Uzbekistan	LMIC	EUR	678.6	91	196	132,697	2.2%	2,446	1,660,238	1.7%
Venezuela	UMIC	AMR	3.0	92	590	1,793	2.3%	3,886	11,818	0.7%
Viet Nam	LMIC	WPR	7,314.4	228	1,333	9,749,871	5.0%	11,568	84,610,753	2.6%
Yemen	LMIC	EMR	75.2	80	103	7,745	2.0%	591	44,446	0.6%

PPP\$ Rate = Purchasing Power Parity exchange rate, SAD rate = Smoking-Attributable Death Rate per 100,000 population, PPP\$ = international dollars in millions, NCU = National Currency Units in millions, THE = Total Health Expenditure, GDP = Gross Domestic Product. HIC = High Income, UMIC = Upper Middle Income, LMIC = Lower Middle Income, LIC = Low Income. AFR = Africa, AMR = Americas, EMR = Eastern Mediterranean, EUR = Europe, SEAR = South-East Asia, WPR = Western Pacific