

SUPPLEMENTARY TABLES

Supplementary Table 1. Count of products and countries by tobacco product type and WHO region

	AFRO ¹		EMRO ²		EURO ³		PAHO ⁴		SEARO ⁵		WPRO ⁶		Overall	
	Products	Countries	Products	Countries	Products	Countries	Products	Countries	Products	Countries	Products	Countries	Products	Countries
Cigarettes	172	5	170	6	3321	38	381	15	182	3	591	11	4817	78
Cigarillos	9	1	11	1	351	29	76	9	24	3	54	5	525	48
Cigars	25	3	36	6	543	38	153	15	38	3	204	9	999	74
Heated Tobacco	-	-	3	1	26	10	-	-	-	-	13	1	42	12
Pipe Tobacco	24	4	13	3	237	39	33	7	10	2	44	4	361	59
Asian-Style Chewing Tobacco	-	-	5	1	-	-	-	-	31	1	-	-	36	2
Loose Swedish-Style Snus	-	-	-	-	21	2	-	-	-	-	-	-	21	2
Other Chewing Tobacco	-	-	-	-	15	2	1	1	-	-	-	-	16	3
Portion Swedish-Style Snus	-	-	-	-	71	2	3	2	-	-	-	-	74	4
Portion US-Style Moist Snuff	7	1	-	-	-	-	2	1	-	-	1	1	10	3
US-Style Chewing Tobacco	-	-	-	-	16	3	1	1	-	-	-	-	17	4

¹AFRO: African Region (5 countries): Algeria, Cameroon, Kenya, Nigeria, South Africa

²EMRO: Eastern Mediterranean Region (6 countries): Egypt, Morocco, Pakistan, Saudi Arabia, Tunisia, United Arab Emirates

³EURO: European Region (39 countries): Austria, Azerbaijan, Belarus, Belgium, Bosnia-Herzegovina, Bulgaria, Croatia, Czech Republic, Denmark, Estonia, Finland, France, Georgia, Germany, Greece, Hungary, Ireland, Israel, Italy, Kazakhstan, Latvia, Lithuania, North Macedonia, Netherlands, Norway, Poland, Portugal, Romania, Russia, Serbia, Slovakia, Slovenia, Spain, Sweden, Switzerland, Turkey, Ukraine, United Kingdom, Uzbekistan

⁴PAHO: Region of the Americas (15 countries): Argentina, Bolivia, Brazil, Canada, Chile, Colombia, Costa Rica, Dominican Republic, Ecuador, Guatemala, Mexico, Peru, Uruguay, USA, Venezuela

⁵SEARO: South-East Asia Region (3 countries): India, Indonesia, Thailand

⁶WPRO: Western Pacific Region (12 countries): Australia, Mainland China, Hong Kong, Japan, Malaysia, New Zealand, Philippines, Singapore, South Korea, Taiwan, Vietnam

Supplementary Table 2. Country-level median price differentials[†] (%) of tobacco products by WHO geographical regions, 2016

Product type	AFRO¹ Price Differential (%) <i>Median (Range)</i>	EMRO² Price Differential (%) <i>Median (Range)</i>	EURO³ Price Differential (%) <i>Median (Range)</i>	PAHO⁴ Price Differential (%) <i>Median (Range)</i>	SEARO⁵ Price Differential (%) <i>Median (Range)</i>	WPRO⁶ Price Differential (%) <i>Median (Range)</i>
Smoking tobacco products						
Cigarettes	50.00 (40.00-70.00)	48.33 (9.09-66.67)	82.35 (33.33-94.59)	75.00 (61.11-100.00)	50.00 (15.79-75.00)	70.00 (28.57-89.47)
Cigarillos	18.58*	52.29*	61.62 (21.95-91.93)	82.43 (44.16-100.00)	41.03 (22.44-65.12)	57.59 (8.84-84.96)
Cigars	24.39 (18.73-30.05)	43.6 (33.33-82.61)	29.74 (3.11-89.90)	40.9 (10.07-80.70)	17.05 (16.21-55.81)	22.15 (7.12-46.15)
Fine Cut Tobacco	-	51.02*	89.29 (63.91-98.74)	74.12 (25.67-93.33)	78.60 (74.68-82.52)	80.83 (83.62-78.05)
Heated Tobacco	-	100.00*	100.00 (56.83-100.00)	-	-	89.47*
Pipe Tobacco	93.27 (92.22-93.32)	47.26 (19.03-75.48)	75.76 (35.16-94.32)	71.83 (55.77-90.00)	96.03*	78.05 (75.47-80.62)
Smokeless tobacco products						
Asian-Style Chewing Tobacco	-	100.00*	-	-	16.67*	-
Loose Swedish-Style Snus	-	-	76.11 (63.75-88.47)	-	-	-
Other Chewing Tobacco	-	-	100.00*	-	-	-
Portion Swedish-Style Snus	-	-	68.59 (47.18-90.00)	-	-	-
Portion US-Style Moist Snuff	85.71*	-	-	-	-	-
US-Style Chewing Tobacco	-	-	99.55 (99.10-100.00)	-	-	-

¹AFRO: African Region (5 countries): Algeria, Cameroon, Kenya, Nigeria, South Africa

²EMRO: Eastern Mediterranean Region (6 countries): Egypt, Morocco, Pakistan, Saudi Arabia, Tunisia, United Arab Emirates

³EURO: European Region (39 countries): Austria, Azerbaijan, Belarus, Belgium, Bosnia-Herzegovina, Bulgaria, Croatia, Czech Republic, Denmark, Estonia, Finland, France, Georgia, Germany, Greece, Hungary, Ireland, Israel, Italy, Kazakhstan, Latvia, Lithuania, North Macedonia, Netherlands, Norway, Poland, Portugal, Romania, Russia, Serbia, Slovakia, Slovenia, Spain, Sweden, Switzerland, Turkey, Ukraine, United Kingdom, Uzbekistan

⁴PAHO: Region of the Americas (15 countries): Argentina, Bolivia, Brazil, Canada, Chile, Colombia, Costa Rica, Dominican Republic, Ecuador, Guatemala, Mexico, Peru, Uruguay, USA, Venezuela

⁵SEARO: South-East Asia Region (3 countries): India, Indonesia, Thailand

⁶WPRO: Western Pacific Region (12 countries): Australia, Mainland China, Hong Kong, Japan, Malaysia, New Zealand, Philippines, Singapore, South Korea, Taiwan, Vietnam

*N= 1 country † Price differential is expressed as the minimum price per pack (USD) as a percentage of the median price per pack

Supplementary Table 3. Median price differentials[†] (%) of tobacco products by country, 2016

		Cigarettes	Cigarillos	Cigars	Fine Cut Tobacco	Heated Tobacco	Pipe Tobacco	Loose Swedish-Style Snus	Asian-Style Chewing Tobacco	Other Chewing Tobacco	Portion Swedish-Style Snus	Portion US-Style Moist Snuff	US-Style Chewing Tobacco
<i>Country</i>	<i>WHO Region</i>												
Algeria	AFRO	40.00					93.32					85.71	
Argentina	PAHO	64.71	82.43	42.83	25.67		55.77						
Australia	WPRO	73.08	57.59	8.28	83.62		80.62						
Austria	EURO	92.00	70.00	13.28	92.65		57.76						
Azerbaijan	EURO	57.14											
Belarus	EURO	50.00					67.90						
Belgium	EURO	81.25		15.93	68.87		69.56						
Bolivia	PAHO	81.82											
Bosnia-Herzegovina	EURO	83.33	91.94		86.67								
Brazil	PAHO	100.00	45.61	56.77	85.79		78.97						
Bulgaria	EURO	92.86	52.21	20.20									
Cameroon	AFRO	50.00											
Canada	PAHO	72.73											
Chile	PAHO	75.00	85.16	57.17	62.44		64.70						
China	WPRO	28.57		7.13									
Colombia	PAHO	71.43		47.64									
Costa Rica	PAHO	87.50	44.16	38.97									
Croatia	EURO	62.50											
Czech Republic	EURO	94.12	71.07	84.40	83.44		92.12						
Denmark	EURO	86.67	48.89	7.02	84.79	100.00	88.31			100.00			100.00
Dominican Republic	PAHO	65.00	100.00	10.07									
Ecuador	PAHO	86.21	61.18	43.48									
Egypt	EMRO	54.55		33.33	51.02		19.03						
Estonia	EURO	78.95			90.62								
Finland	EURO	93.75	53.42	31.45	89.61								
France	EURO	94.59				100.00							
Georgia	EURO	71.43	58.33	11.32									
Germany	EURO	80.65			93.83		35.16						
Greece	EURO	81.82	37.29	35.56	97.14	100.00	92.52						
Guatemala	PAHO	64.29		16.96									
Hong Kong, China	WPRO	86.49	84.96	39.11									
Hungary	EURO	89.47	69.57	3.11	84.46		75.76						

		Cigarettes	Cigarillos	Cigars	Fine Cut Tobacco	Heated Tobacco	Pipe Tobacco	Loose Swedish-Style Snus	Asian-Style Chewing Tobacco	Other Chewing Tobacco	Portion Swedish-Style Snus	Portion US-Style Moist Snuff	US-Style Chewing Tobacco
Country	WHO Region												
India	SEARO	15.79	65.12	16.22					16.67				
Indonesia	SEARO	75.00	41.03	17.05	74.68								
Ireland	EURO	80.33	77.65	62.56	89.25		94.32						
Israel	EURO	88.61	76.84	55.35	90.05								
Italy	EURO	88.46	59.46	29.74	98.74	100.00	81.25						
Japan	WPRO	61.90				90.48							
Kazakhstan	EURO	80.00	50.82										
Kenya	AFRO	50.00		30.05									
Latvia	EURO	88.24	46.15	6.96	63.91		76.77						
Lithuania	EURO	82.35	26.37	67.37	77.69								
North Macedonia	EURO	71.43	90.76	16.28	89.29		71.67						
Malaysia	WPRO	70.00	22.63	8.56	78.05		75.48						
Mexico	PAHO	81.82	45.10	80.70			90.00						
Morocco	EMRO	46.67		50.00									
Netherlands	EURO	88.89		24.90	65.22		87.38						
New Zealand	WPRO	86.42											
Nigeria	AFRO	75.00		18.74									
Norway	EURO	77.14	74.83	11.29	94.21		87.61	88.47			90.00		99.10
Pakistan	EMRO	36.36		37.20					100.00				
Peru	PAHO	61.11	93.28	12.96									
Philippines	WPRO	57.14		35.74									
Poland	EURO	94.12	81.69	56.08	84.21		60.78						
Portugal	EURO	88.00	62.96	19.65	96.62	100.00							
Romania	EURO	85.00	46.27	29.13	90.30	72.41	83.25						
Russia	EURO	71.43	21.95	25.41	95.00	100.00	72.03						
Saudi Arabia	EMRO	50.00	52.29										
Serbia	EURO	80.00	84.48	72.22	69.23		62.22						
Singapore	WPRO	84.62	60.17	46.15									
Slovakia	EURO	87.50	42.71	51.88	88.78		62.20						
Slovenia	EURO	89.47	61.62	78.57	90.67								
South Africa	AFRO	63.64	18.58				93.22						
South Korea	WPRO	89.47	8.84										
Spain	EURO	88.00	29.17	6.53	97.06		51.74						

		Cigarettes	Cigarillos	Cigars	Fine Cut Tobacco	Heated Tobacco	Pipe Tobacco	Loose Swedish-Style Snus	Asian-Style Chewing Tobacco	Other Chewing Tobacco	Portion Swedish-Style Snus	Portion US-Style Moist Snuff	US-Style Chewing Tobacco
<i>Country</i>	<i>WHO Region</i>												
Sweden	EURO	80.00	64.06	40.12	68.84		93.96	63.75			47.18		
Switzerland	EURO	89.41	87.50	61.48	89.29	90.14							
Taiwan	WPRO	63.64											
Thailand	SEARO	50.00	22.44	55.81	82.52		96.03						
Tunisia	EMRO	9.09		82.61			75.48						
Turkey	EURO	75.00	44.30	89.90									
Ukraine	EURO	75.00				100.00							
United Arab Emirates	EURO	66.67											
United Kingdom	EURO	76.67	71.72	85.94	81.29	92.16							
Uruguay	PAHO	90.48	83.50	30.29	93.33								
USA	EURO	89.83											
Uzbekistan	EURO	33.33											
Venezuela	PAHO	65.00		17.05									
Vietnam	WPRO	50.00											

† Price differential is expressed as the minimum price per pack (USD) as a percentage of the median price per pack