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

| Product Type                  | AFRO<sup>1</sup> Products | AFRO<sup>1</sup> Countries | EMRO<sup>4</sup> Products | EMRO<sup>4</sup> Countries | EURO<sup>3</sup> Products | EURO<sup>3</sup> Countries | PAHO<sup>5</sup> Products | PAHO<sup>5</sup> Countries | SEARO<sup>6</sup> Products | SEARO<sup>6</sup> Countries | WPRO<sup>7</sup> Products | WPRO<sup>7</sup> Countries | Overall Products | Overall 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                  |
| Loose Swedish-Style Snus     | -                          | -                           | -                         | -                           | -                         | -                           | -                         | -                           | -                         | -                           | -                         | -                            | 21                   | 2                   |
| Other Chewing Tobacco        | -                          | -                           | -                         | -                           | -                         | -                           | -                         | -                           | -                         | -                           | 15                        | 2                            | -                    | 16                  |
| Portion Swedish-Style Snus   | -                          | -                           | -                         | -                           | -                         | -                           | -                         | -                           | -                         | -                           | -                         | -                            | 71                   | 2                   |
| Portion US-Style Moist Snuff | 7                          | 1                           | -                         | -                           | -                         | -                           | 2                         | 1                           | -                         | -                           | 1                         | 1                            | 10                   | 3                   |
| US-Style Chewing Tobacco     | -                          | -                           | -                         | -                           | 16                        | 3                           | 1                         | 1                           | -                         | -                           | -                         | -                            | 17                   | 4                   |

<sup>1</sup>AFRO: African Region (5 countries): Algeria, Cameroon, Kenya, Nigeria, South Africa  
<sup>2</sup>EMRO: Eastern Mediterranean Region (6 countries): Egypt, Morocco, Pakistan, Saudi Arabia, Tunisia, United Arab Emirates  
<sup>3</sup>EURO: 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  
<sup>4</sup>PAHO: Region of the Americas (15 countries): Argentina, Bolivia, Brazil, Canada, Chile, Colombia, Costa Rica, Dominican Republic, Ecuador, Guatemala, Mexico, Peru, Uruguay, USA, Venezuela  
<sup>5</sup>SEARO: South-East Asia Region (3 countries): India, Indonesia, Thailand  
<sup>6</sup>WPRO: 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                        | AFRO\(^1\) Price Differential (%) | EMRO\(^2\) Price Differential (%) | EURO\(^3\) Price Differential (%) | PAHO\(^4\) Price Differential (%) | SEARO\(^5\) Price Differential (%) | WPRO\(^6\) Price Differential (%) |
|-------------------------------------|-------------------------------------|-------------------------------------|------------------------------------|-----------------------------------|------------------------------------|-----------------------------------|
| **Smoking tobacco products**        | Median (Range)                      | Median (Range)                      | Median (Range)                     | Median (Range)                    | Median (Range)                     | Median (Range)                     |
| 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                    |                                    |                                    | 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                      | -                                   | 51.02*                              | 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)               | -                                 | -                                  | -                                 |

\(^1\)AFRO: African Region (5 countries): Algeria, Cameroon, Kenya, Nigeria, South Africa  
\(^2\)EMRO: Eastern Mediterranean Region (6 countries): Egypt, Morocco, Pakistan, Saudi Arabia, Tunisia, United Arab Emirates  
\(^3\)EURO: 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  
\(^4\)PAHO: Region of the Americas (15 countries): Argentina, Bolivia, Brazil, Canada, Chile, Colombia, Costa Rica, Dominican Republic, Ecuador, Guatemala, Mexico, Peru, Uruguay, USA, Venezuela  
\(^5\)SEARO: South-East Asia Region (3 countries): India, Indonesia, Thailand  
\(^6\)WPRO: 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

| Country          | WHO Region | 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 |
|------------------|------------|------------|------------|--------|------------------|----------------|--------------|--------------------------|----------------------------|------------------------|--------------------------|----------------------------|-----------------------------|
| Algeria          | AFRO       | 40.00      |            |        |                  |                |              | 93.32                    |                            |                        |                          |                            |                            |
| 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         |              | 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      |            |        |                  |                |              |                          |                            |                        |                          |                            |                            |
| Georgia          | EURO       | 71.43      | 58.33      | 11.32  |                  |                |              |                          |                            |                        |                          |                            |                            |
| Germany          | EURO       | 80.65      |            |        |                  | 93.83          |              | 35.16                    |                            |                        |                          |                            |                            |
| Greece           | EURO       | 81.82      | 37.29      | 35.66  | 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                    |                            |                        |                          |                            |                            |
| Country          | WHO Region | 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 |
|------------------|------------|------------|------------|--------|------------------|----------------|--------------|--------------------------|-----------------------------|----------------------|--------------------------|----------------------------|---------------------------|
| India            | SEARO      | 15.79      | 65.12      | 16.22  | 62.44            | 89.25          | 94.32        | 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      |            |        |                  |                |              |                          |                             |                      |                          |                             |                          |
| Kazakhstan       | EURO       | 80.00      | 50.82      |        |                  |                |              |                          |                             |                      |                          |                             |                          |
| Kenya            | AFRO       | 50.00      |            |        |                  |                |              |                          |                             |                      |                          |                             |                          |
| 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      |            |        |                  |                |              |                          |                             |                      |                          |                             |                          |
| Netherlands      | EURO       | 88.89      | 24.90      | 65.22  | 87.38            |                |              |                          |                             |                      |                          |                             |                          |
| New Zealand      | WPRO       | 86.42      |            |        |                  |                |              |                          |                             |                      |                          |                             |                          |
| Nigeria          | AFRO       | 75.00      |            |        |                  |                |              |                          |                             |                      |                          |                             |                          |
| Norway           | EURO       | 77.14      | 74.83      | 11.29  | 94.21            | 87.61          | 88.47        | 90.00                    |                             |                      |                          |                             |                          |
| Pakistan         | EMRO       | 36.36      | 37.20      |        |                  |                |              |                          |                             |                      |                          |                             | 100.00                    |
| Peru             | PAHO       | 61.11      | 93.28      | 12.96  |                  |                |              |                          |                             |                      |                          |                             |                          |
| Philippines      | WPRO       | 57.14      |            |        |                  |                |              |                          |                             |                      |                          |                             |                          |
| 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      |            |        |                  |                |              |                          |                             |                      |                          |                             |                          |
| 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          |              |                          |                             |                      |                          |                             |                          |
| Country            | Region | 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 |
|--------------------|--------|------------|------------|--------|------------------|----------------|--------------|--------------------------|-----------------------------|----------------------|--------------------------|-----------------------------|-----------------------------|
| Sweden             | EURO   | 80.00      | 64.06      | 40.12  | 68.84            | 93.96          | 63.75        |                          | 47.18                       | 90.14                 |                          |                            |                            |
| Switzerland        | EURO   | 89.41      | 87.50      | 61.48  | 89.29            | 90.14          |              |              |                           |                             | 47.18                   |                            |                            |
| 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                      | 47.18                   |                            |                            |
| 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

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