

Appendix A: Population Aging

$$\% P_{aged \geq 60+, c, y} = \frac{\% P_{female, aged(60-64), c, y} * TP_{female, c, y} + \% P_{male, aged(60-64), c, y} * TP_{male, c, y}}{TP_{c, y}} + \% P_{aged \geq 65+, c, y}$$

Where

$\% P_{aged \geq 60+, c, y}$ is share of population aged 60 and older for country c in year y (both sexes),

$\% P_{female, aged(60-64), c, y}$ is share of female population aged 60-64 for country c in year y ,

$TP_{female, c, y}$ is total female population for country c in year y ,

$\% P_{male, aged(60-64), c, y}$ is share of male population ages 60-64 for country c in year y ,

$TP_{male, c, y}$ is total male population for country c in year y ,

$TP_{c, y}$ is total population for country c in year y

$\% P_{aged \geq 65+, c, y}$ is share of population aged 65 and older for country c in year y (both sexes).

Appendix B. Study Sample and Missing Data Pattern

Countries	Year 2016	Year 2017	Year 2018	Year 2019	Total
Afghanistan	1	1	1	1	4
Armenia	1	1	1	1	4
Australia	1	1	1	1	4
Austria	1	1	1	1	4
Belarus	0	0	1	1	2
Belgium	1	1	1	1	4
Bhutan	1	1	1	1	4
Bosnia and Herzegovina	1	1	1	1	4
Botswana	1	1	1	1	4
Brazil	1	1	1	1	4
Burkina Faso	1	1	1	1	4
Cabo Verde	1	1	1	1	4
Cambodia	1	1	1	1	4
Canada	1	1	1	1	4
Central African Republic	1	1	1	1	4
China	0	0	1	1	2
Comoros	1	1	1	1	4
Congo, Dem. Rep.	1	1	1	1	4
Congo, Rep.	1	1	1	1	4
Costa Rica	1	1	1	1	4
Cote d'Ivoire	1	1	1	1	4
Croatia	1	1	1	1	4
Cyprus	1	1	1	1	4
Czech Republic	1	1	1	1	4
Denmark	1	1	1	1	4
Dominican Republic	1	1	1	1	4
Egypt, Arab Rep.	1	1	1	1	4
Estonia	1	1	1	1	4
Eswatini	1	1	1	1	4
Ethiopia	1	1	1	1	4
Fiji	1	1	1	1	4
Finland	1	1	1	1	4
Gabon	1	1	1	1	4
Georgia	1	1	1	1	4
Germany	1	1	1	1	4
Ghana	1	1	1	1	4

Guinea	1	1	1	1	4
Guyana	1	1	1	1	4
Haiti	1	1	1	1	4
Hungary	1	1	1	1	4
Iceland	1	1	1	1	4
India	1	1	1	1	4
Indonesia	0	0	0	1	1
Iraq	0	0	0	1	1
Jordan	1	1	1	1	4
Kazakhstan	1	1	1	1	4
Kenya	1	1	1	1	4
Kyrgyz Republic	1	1	1	1	4
Lao PDR	1	1	1	1	4
Latvia	1	1	1	1	4
Liberia	1	1	1	1	4
Lithuania	1	1	1	1	4
Luxembourg	1	1	1	1	4
Malawi	1	1	1	1	4
Malaysia	0	0	0	1	1
Mali	1	1	1	1	4
Malta	1	1	1	1	4
Mauritania	1	1	1	1	4
Mauritius	1	1	1	1	4
Mexico	1	1	1	1	4
Moldova	1	1	1	1	4
Montenegro	1	1	1	1	4
Morocco	0	0	1	1	2
Mozambique	1	1	1	1	4
Myanmar	1	1	1	1	4
Namibia	1	1	1	1	4
Nepal	1	1	1	1	4
Netherlands	1	1	1	1	4
Niger	1	1	1	1	4
Nigeria	1	1	1	1	4
North Macedonia	0	1	1	1	3
Norway	1	1	1	1	4
Pakistan	1	1	1	1	4
Paraguay	0	1	1	1	3
Poland	1	1	1	1	4
Qatar	1	1	1	1	4
Romania	1	1	1	1	4
Samoa	1	1	1	1	4

Sao Tome and Principe	1	1	1	1	4
Senegal	1	1	1	1	4
Seychelles	1	1	1	1	4
Sierra Leone	0	1	1	1	3
Slovak Republic	1	1	1	1	4
Slovenia	1	1	1	1	4
South Africa	1	1	1	1	4
South Sudan	0	1	1	1	3
Spain	1	1	1	1	4
Sri Lanka	1	1	1	1	4
St. Kitts and Nevis	1	1	1	1	4
Sudan	0	0	1	1	2
Suriname	1	1	1	1	4
Switzerland	1	1	1	1	4
Tajikistan	1	1	1	1	4
Tanzania	1	1	1	1	4
Thailand	0	0	0	1	1
Timor-Leste	1	1	1	1	4
Togo	1	1	1	1	4
Tonga	1	1	1	1	4
Trinidad and Tobago	1	1	1	1	4
Tunisia	1	1	1	1	4
Uganda	1	1	1	1	4
United Arab Emirates	0	1	1	1	3
United Kingdom	1	1	1	1	4
Uruguay	1	1	1	1	4
Uzbekistan	1	1	1	1	4
Vietnam	0	0	1	1	2
Zambia	1	1	1	1	4
Zimbabwe	0	1	1	1	3
Total	93	99	104	108	404