
Supplementary information

Mapping drivers of life expectancy change in Asia from 1990 to 2023

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Supplementary Information: methods and results appendix to “Mapping drivers of life expectancy change in Asia from 1990 to 2023”

This Supplementary Information provides further methodological detail for “Mapping drivers of life expectancy change in Asia from 1990 to 2023”

Preamble

This Supplementary Information provides further methodological detail and results for “Mapping drivers of life expectancy change in Asia from 1990 to 2023”. Portions of this Supplementary Information have been reproduced or adapted from appendices for GBD 2023 Diseases, Injuries and Risk Factors Collaborators, GBD 2023 Causes of Death Collaborators, and GBD 2023 Demographic Collaborators. References are provided for reproduced or adapted sections.

Contents

1. Supplementary Discussion.....	p3
Supplementary Discussion: Possible mechanisms for risk factors.....	p3
Supplementary Discussion: Policy implications	p3
Supplementary Discussion-only references	p5
2. Supplementary Tables	p7
Supplementary Table 1. Life expectancy at birth and change in Asia for 34 countries and territories in both sexes, 1990-2023.	p7
Supplementary Table 2. Life expectancy at birth and change in Asia for 34 countries and territories in females (1990-2023).	p9
Supplementary Table 3. Life expectancy at birth and change in Asia for 34 countries and territories in males (1990-2023).	p11
Supplementary Table 4. Life expectancy at birth with 95% UI across the Asian regions and 34 countries and territories for both sexes.	p13
Supplementary Table 5. Life expectancy at birth with 95% UI across the Asian regions and 34 countries and territories for females.	p15
Supplementary Table 6. Life expectancy at birth with 95% UI across the Asian regions and 34 countries and territories for males.	p17
Supplementary Table 7. Estimation of the top 10 positive contributors to changes in life expectancy at birth in terms of overall impact in Asian regions and 34 countries and territories.	p19
Supplementary Table 8. Estimation of the top 10 negative contributors to changes in life expectancy at birth in terms of overall impact in Asian regions and 34 countries and territories.	p22
Supplementary Table 9. Checklist of information that should be included in new reports of global health estimates.	p25
Supplementary Table 10. Categorization of countries and territories according to the GBD Asian region.	p27
3. Author contributions by the GBD 2023 Asia Life Expectancy Collaborators.....	p28
End.....	p33

Supplementary Discussion: Possible mechanisms for risk factors

In all Asian regions, the top five risk factors for the major causes of death associated with changes in life expectancy are high systolic blood pressure, air pollution, dietary risks, tobacco use, and high fasting plasma glucose.¹ Public health campaigns and policies aimed at reducing smoking, improving air quality, and promoting healthier diets have been successful in decreasing exposure to these risks. For instance, the National Air Pollution Prevention and Control Action Plan in China led to successful long-term reductions of 54% in PM_{2.5} concentrations in Beijing, reflecting significant improvements in air quality.² In addition, global initiatives such as SDGs, particularly SDG 2 (Zero Hunger), SDG 6 (Clean Water and Sanitation), and SDG 11 (Sustainable Cities and Communities), have played a complementary role by promoting broader environmental and behavioral improvements in population health.³ However, the pace of improvement varies by country or territory, depending on economic development and policy implementation.⁴

In most Asian regions, the top three risk factors across Asia, including high systolic blood pressure, air pollution, and dietary risks, remained consistent over time, although their SEVs have generally decreased. In contrast, it is important to note the increasing SEVs for high fasting plasma glucose and high systolic blood pressure. Economic development and urbanization have led to lifestyle changes that promote obesity and diabetes.⁵ Dietary risks, including increased consumption of processed meat, sugar-sweetened beverages, and trans fatty acids contributes to these trends.⁶ Notably, according to the Pacific Food Trade Database, imports of unhealthy foods, including processed foods, into Southeast Asia increased from 1300 tons in 1995 to 64,000 tons in 2018, implying a significant shift towards greater dependence on processed foods in these regions.⁷ This dietary transition is likely to exacerbate the burden of NCDs.⁷ Therefore, this highlights the need for policies and interventions that effectively address both existing and emerging risk factors, prioritizing preventable causes of death while considering the specific characteristics of each country and territory.

Supplementary Discussion: Policy implications

The upward trends in life expectancy across Asia, which were reversed by the COVID-19 pandemic, have

policy implications. Although HICs like Japan and Singapore also experienced a reduction in life expectancy during the pandemic, they achieved a quick recovery in life expectancy relative to other regions, suggesting the importance of successful control and suppression policies against viral infections, including both targeted and population-based public health interventions. Comprehensive pandemic preparedness, focused on creating resilient healthcare systems, is crucial for mitigating the impacts of pandemics in the future.⁸ Measuring the results of specific policy interventions on mitigating premature mortality will provide strong evidence for developing future strategies.⁸ Given that many pandemic-related effects on health and human lives may take time to become evident, continuous and timely monitoring of life expectancy is essential.

In contrast to HICs, in regions such as East Asia and Southeast Asia, COVID-19 acts as a leading negative contributor to life expectancy, largely due to limited healthcare resources and the economic recession during the pandemic.⁹ Particularly, Southeast Asia had lower levels of health spending per capita globally and a higher reliance on out-of-pocket expenditures.¹⁰ Improving fundamental healthcare infrastructure and reducing the personal economic burden on healthcare in these regions are urgently needed to address existing disparities. Moreover, given the substantial negative contribution of communicable diseases to life expectancy in these regions, immediate investments in disease prevention, such as improvements in hygiene, sanitation, and vaccination programs, could yield rapid beneficial consequences in these regions.^{11,12}

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Supplementary Table 1. Life expectancy at birth and change in Asia for 34 countries and territories in both sexes, 1990-2023.

Country or region	1990 (95% UI)	2019 (95% UI)	2023 (95% UI)	Annual percentage change (%)		
				1990-2019	2019-2023	1990-2023
Central Asia	67.4 (67.3-67.5)	72.8 (72.8-72.9)	73.7 (73.5-73.8)	0.27	0.28	0.27
Armenia	70.4 (70.1-70.8)	77.3 (77.0-77.6)	79.6 (79.1-80.1)	0.32	0.74	0.37
Azerbaijan	66.1 (65.8-66.5)	72.9 (72.6-73.1)	72.6 (72.1-73.1)	0.33	-0.09	0.28
Georgia	69.2 (68.9-69.5)	74.2 (73.9-74.4)	74.7 (74.3-75.2)	0.24	0.18	0.23
Kazakhstan	67.7 (67.4-67.9)	73.5 (73.3-73.7)	74.9 (74.6-75.2)	0.29	0.45	0.31
Kyrgyzstan	66.8 (66.4-67.2)	74.5 (74.2-74.7)	75.2 (74.8-75.7)	0.37	0.26	0.36
Mongolia	61.4 (61.0-61.9)	72.3 (71.9-72.6)	73.1 (72.4-73.7)	0.56	0.27	0.53
Tajikistan	66.5 (66.1-66.9)	73.3 (73.1-73.6)	71.8 (71.0-72.5)	0.34	-0.54	0.23
Turkmenistan	66.0 (65.6-66.5)	70.2 (69.6-70.7)	71.1 (70.2-72.0)	0.21	0.35	0.23
Uzbekistan	68.3 (68.0-68.5)	71.7 (71.5-71.8)	72.5 (72.2-72.8)	0.17	0.29	0.18
East Asia	67.0 (66.6-67.5)	80.0 (79.7-80.2)	80.0 (79.2-80.7)	0.61	0.00	0.54
China (mainland)	66.8 (66.4-67.3)	80.1 (79.8-80.3)	80.1 (79.3-80.8)	0.63	0.00	0.55
Democratic People's Republic of Korea	71.5 (71.0-72.0)	73.6 (73.1-74.2)	73.7 (73.0-74.6)	0.10	0.04	0.10
Taiwan	74.2 (74.1-74.3)	80.9 (80.8-81.0)	80.5 (80.4-80.6)	0.30	-0.11	0.25
HICs of Asia Pacific	77.5 (77.5-77.6)	84.4 (84.3-84.4)	84.1 (84.0-84.1)	0.29	-0.09	0.25
Brunei Darussalam	71.8 (71.6-72.1)	78.0 (77.7-78.2)	78.1 (77.6-78.5)	0.28	0.04	0.25
Japan	79.2 (79.1-79.2)	84.6 (84.5-84.6)	84.1 (84.1-84.1)	0.23	-0.13	0.18
Republic of Korea	71.7 (71.5-72.0)	83.4 (83.2-83.5)	83.4 (83.3-83.6)	0.52	0.01	0.46
Singapore	75.6 (75.4-75.8)	85.4 (85.3-85.5)	85.4 (85.2-85.5)	0.42	-0.01	0.37
South Asia	58.6 (58.2-59.0)	70.6 (70.4-70.8)	71.2 (70.5-71.9)	0.64	0.22	0.59
Bangladesh	57.0 (56.4-57.6)	70.8 (70.3-71.3)	71.1 (70.2-71.8)	0.75	0.10	0.67
Bhutan	59.4 (58.7-60.0)	72.2 (71.7-72.7)	72.6 (71.8-73.5)	0.68	0.12	0.61

India	58.5 (57.9-59.0)	70.9 (70.6-71.2)	71.6 (70.8-72.4)	0.67	0.23	0.61
Nepal	58.1 (57.5-58.8)	73.3 (72.8-73.8)	73.5 (72.7-74.4)	0.80	0.07	0.71
Pakistan	62.1 (61.5-62.7)	69.2 (68.7-69.8)	70.0 (69.1-70.9)	0.37	0.29	0.36
Southeast Asia	65.7 (65.5-66.0)	73.1 (72.8-73.3)	73.1 (72.7-73.5)	0.37	0.01	0.32
Cambodia	58.3 (57.7-58.9)	73.3 (72.8-73.8)	73.1 (72.2-73.9)	0.79	-0.08	0.69
Indonesia	65.0 (64.4-65.6)	72.5 (71.9-73.0)	72.5 (71.5-73.4)	0.38	0.00	0.33
Lao People's Democratic Republic	50.8 (50.0-51.5)	66.1 (65.5-66.6)	66.1 (65.2-67.0)	0.91	0.01	0.80
Malaysia	71.4 (71.1-71.7)	75.9 (75.7-76.2)	76.4 (76.1-76.7)	0.21	0.16	0.21
Maldives	65.0 (64.7-65.2)	76.1 (75.9-76.3)	76.1 (75.7-76.4)	0.55	-0.02	0.48
Mauritius	69.8 (69.6-70.1)	74.9 (74.7-75.1)	73.8 (73.5-74.2)	0.24	-0.35	0.17
Myanmar	54.8 (54.1-55.3)	65.9 (65.4-66.5)	65.4 (64.4-66.4)	0.64	-0.19	0.54
Philippines	68.8 (68.6-69.0)	71.6 (71.5-71.7)	72.1 (71.9-72.2)	0.14	0.16	0.14
Seychelles	70.5 (70.3-70.8)	75.9 (75.7-76.1)	75.1 (74.7-75.4)	0.25	-0.28	0.19
Sri Lanka	69.4 (69.2-69.6)	77.6 (77.5-77.7)	76.6 (76.4-76.8)	0.39	-0.33	0.30
Thailand	71.9 (71.8-72.0)	77.7 (77.5-77.8)	77.5 (77.3-77.7)	0.27	-0.05	0.23
Timor-Leste	57.4 (56.8-58.1)	69.3 (68.8-69.9)	69.9 (69.0-70.8)	0.65	0.19	0.59
Viet Nam	69.2 (68.8-69.7)	75.7 (75.1-76.3)	76.1 (75.2-77.1)	0.31	0.13	0.29

Abbreviations: HIC, high-income country; UI, uncertainty interval.

Supplementary Table 2. Life expectancy at birth and change in Asia for 34 countries and territories in females (1990-2023).

Country or region	1990 (95% UI)	2019 (95% UI)	2023 (95% UI)	Annual percentage change (%)		
				1990-2019	2019-2023	1990-2023
Central Asia	71.1 (71.0-71.3)	76.0 (75.8-76.1)	76.8 (76.6-77.0)	0.23	0.26	0.23
Armenia	73.7 (73.2-74.2)	80.3 (79.9-80.6)	82.6 (82.0-83.1)	0.29	0.70	0.34
Azerbaijan	70.1 (69.6-70.6)	75.6 (75.2-75.9)	75.4 (74.7-76.1)	0.26	-0.06	0.22
Georgia	73.1 (72.7-73.5)	78.7 (78.4-79.0)	79.4 (78.9-79.9)	0.26	0.22	0.25
Kazakhstan	72.2 (71.9-72.5)	77.4 (77.2-77.7)	78.7 (78.3-79.1)	0.24	0.40	0.26
Kyrgyzstan	70.8 (70.3-71.3)	77.8 (77.5-78.1)	77.8 (77.2-78.5)	0.33	0.01	0.29
Mongolia	65.1 (64.4-65.7)	76.8 (76.3-77.2)	78.2 (77.4-79.0)	0.57	0.48	0.56
Tajikistan	69.5 (68.9-70.0)	74.8 (74.4-75.2)	73.0 (71.9-74.1)	0.25	-0.60	0.15
Turkmenistan	69.4 (68.9-70.0)	73.4 (72.6-74.2)	74.1 (72.8-75.3)	0.19	0.24	0.20
Uzbekistan	71.2 (70.9-71.6)	74.2 (74.0-74.5)	75.0 (74.6-75.4)	0.14	0.28	0.16
East Asia	70.0 (69.4-70.6)	82.7 (82.3-83.0)	82.6 (81.7-83.6)	0.58	-0.01	0.51
China (mainland)	69.8 (69.2-70.4)	82.8 (82.4-83.1)	82.8 (81.8-83.7)	0.59	-0.01	0.52
Democratic People's Republic of Korea	74.7 (74.0-75.3)	76.0 (75.3-76.6)	76.0 (74.9-77.1)	0.06	0.01	0.05
Taiwan	77.0 (76.8-77.1)	84.1 (84.0-84.2)	83.9 (83.7-84.0)	0.30	-0.06	0.26
HICs of Asia Pacific	80.8 (80.7-80.9)	87.4 (87.3-87.4)	87.1 (87.0-87.1)	0.27	-0.08	0.23
Brunei Darussalam	73.8 (73.5-74.2)	79.3 (79.0-79.7)	79.4 (78.8-80.0)	0.25	0.03	0.22
Japan	82.1 (82.1-82.2)	87.5 (87.5-87.6)	87.2 (87.2-87.2)	0.22	-0.10	0.18
Republic of Korea	76.0 (75.7-76.3)	86.2 (86.0-86.3)	86.1 (85.9-86.2)	0.43	-0.03	0.38
Singapore	78.3 (78.1-78.5)	87.4 (87.3-87.6)	87.5 (87.3-87.8)	0.38	0.03	0.34
South Asia	59.0 (58.4-59.6)	71.8 (71.5-72.1)	72.4 (71.5-73.3)	0.68	0.21	0.62

Bangladesh	56.6 (55.8-57.4)	71.3 (70.7-72.0)	71.2 (70.1-72.2)	0.80	-0.04	0.70
Bhutan	58.7 (57.8-59.6)	72.2 (71.5-72.9)	72.4 (71.2-73.6)	0.71	0.08	0.64
India	58.9 (58.2-59.6)	72.3 (71.9-72.7)	73.0 (71.8-74.1)	0.71	0.23	0.65
Nepal	58.6 (57.7-59.4)	75.2 (74.4-75.9)	75.1 (74.0-76.3)	0.87	-0.01	0.76
Pakistan	62.6 (61.7-63.4)	69.4 (68.6-70.1)	70.1 (68.8-71.3)	0.36	0.26	0.34
Southeast Asia	69.2 (68.8-69.5)	76.3 (76.0-76.6)	76.2 (75.7-76.7)	0.34	-0.03	0.29
Cambodia	61.3 (60.4-62.1)	75.6 (74.9-76.3)	75.2 (74.1-76.3)	0.73	-0.13	0.62
Indonesia	67.9 (67.0-68.8)	75.4 (74.6-76.1)	75.2 (74.0-76.4)	0.36	-0.06	0.31
Lao People's Democratic Republic	52.7 (51.6-53.8)	67.3 (66.5-68.0)	67.2 (66.0-68.4)	0.84	-0.04	0.74
Malaysia	73.7 (73.3-74.1)	78.2 (77.9-78.5)	78.5 (78.1-78.9)	0.21	0.09	0.19
Maldives	64.9 (64.6-65.2)	77.1 (76.8-77.3)	77.1 (76.5-77.6)	0.60	0.01	0.52
Mauritius	73.9 (73.6-74.3)	78.3 (78.1-78.5)	77.6 (77.1-78.0)	0.20	-0.24	0.15
Myanmar	59.2 (58.3-60.0)	69.8 (69.1-70.4)	69.4 (68.2-70.5)	0.57	-0.14	0.48
Philippines	72.2 (71.9-72.6)	75.1 (74.9-75.3)	75.4 (75.1-75.6)	0.13	0.09	0.13
Seychelles	75.4 (75.1-75.7)	79.5 (79.2-79.8)	78.5 (78.1-79.0)	0.18	-0.31	0.12
Sri Lanka	74.0 (73.8-74.3)	80.4 (80.2-80.6)	79.5 (79.2-79.8)	0.28	-0.28	0.22
Thailand	75.3 (75.2-75.5)	81.4 (81.3-81.6)	81.4 (81.2-81.7)	0.27	0.00	0.24
Timor-Leste	58.2 (57.2-59.0)	69.9 (69.1-70.6)	70.1 (68.9-71.3)	0.63	0.08	0.57
Viet Nam	73.5 (72.9-74.1)	79.9 (79.2-80.7)	80.2 (79.0-81.5)	0.29	0.09	0.27

Abbreviations: HIC, high income country; UI, uncertainty interval.

Supplementary Table 3. Life expectancy at birth and change in Asia for 34 countries and territories in males (1990-2023).

Country	1990 (95% UI)	2019 (95% UI)	2023 (95% UI)	Annual percentage change (%)		
				1990-2019	2019-2023	1990-2023
Central Asia	63.5 (63.3-63.7)	69.7 (69.5-69.8)	70.5 (70.3-70.7)	0.32	0.30	0.32
Armenia	67.0 (66.5-67.5)	74.0 (73.6-74.5)	76.3 (75.5-77.1)	0.34	0.76	0.39
Azerbaijan	62.1 (61.5-62.6)	70.2 (69.8-70.6)	69.9 (69.2-70.6)	0.43	-0.12	0.36
Georgia	65.1 (64.6-65.5)	69.7 (69.3-70.0)	70.1 (69.4-70.7)	0.24	0.15	0.22
Kazakhstan	62.9 (62.6-63.3)	69.4 (69.1-69.7)	70.8 (70.3-71.2)	0.34	0.50	0.36
Kyrgyzstan	62.7 (62.1-63.2)	71.0 (70.7-71.4)	72.5 (71.8-73.2)	0.43	0.52	0.44
Mongolia	58.1 (57.4-58.7)	67.9 (67.4-68.4)	68.0 (67.1-68.9)	0.54	0.05	0.48
Tajikistan	63.6 (62.9-64.2)	72.0 (71.6-72.4)	70.6 (69.5-71.7)	0.43	-0.48	0.32
Turkmenistan	62.5 (61.9-63.1)	67.0 (66.3-67.8)	68.2 (67.0-69.5)	0.24	0.46	0.27
Uzbekistan	65.2 (64.9-65.6)	69.1 (68.8-69.4)	70.0 (69.6-70.3)	0.20	0.31	0.21
East Asia	64.5 (63.9-65.1)	77.5 (77.1-77.9)	77.5 (76.5-78.6)	0.64	0.01	0.56
China (mainland)	64.3 (63.7-64.9)	77.6 (77.2-78.0)	77.6 (76.6-78.7)	0.65	0.01	0.57
Democratic People's Republic of Korea	67.7 (67.0-68.4)	71.1 (70.3-71.8)	71.3 (70.2-72.5)	0.17	0.10	0.16
Taiwan	71.9 (71.7-72.0)	77.8 (77.7-78.0)	77.3 (77.2-77.5)	0.28	-0.17	0.22
HICs of Asia Pacific	74.1 (74.0-74.2)	81.3 (81.2-81.3)	81.0 (81.0-81.1)	0.32	-0.08	0.27
Brunei Darussalam	70.2 (69.9-70.6)	76.7 (76.3-77.0)	76.9 (76.2-77.5)	0.30	0.06	0.27
Japan	76.0 (76.0-76.1)	81.5 (81.4-81.5)	81.0 (81.0-81.1)	0.24	-0.14	0.19
Republic of Korea	67.5 (67.2-67.8)	80.4 (80.2-80.6)	80.6 (80.4-80.8)	0.60	0.08	0.54
Singapore	72.9 (72.7-73.1)	83.2 (83.1-83.4)	83.1 (82.9-83.4)	0.46	-0.03	0.40
South Asia	58.3 (57.7-58.9)	69.4 (69.1-69.8)	70.1 (69.1-71.0)	0.60	0.24	0.56

Bangladesh	57.5 (56.7-58.3)	70.3 (69.5-71.0)	71.0 (69.9-72.2)	0.70	0.25	0.64
Bhutan	60.0 (59.3-60.8)	72.4 (71.7-73.1)	72.9 (71.7-74.1)	0.65	0.17	0.59
India	58.1 (57.4-58.8)	69.6 (69.2-70.0)	70.2 (69.1-71.3)	0.62	0.23	0.58
Nepal	57.9 (57.1-58.8)	71.4 (70.7-72.2)	71.9 (70.7-73.1)	0.73	0.17	0.66
Pakistan	61.7 (60.9-62.4)	69.1 (68.3-69.9)	70.0 (68.7-71.2)	0.39	0.32	0.38
Southeast Asia	62.6 (62.2-62.9)	70.0 (69.7-70.3)	70.1 (69.6-70.7)	0.39	0.05	0.35
Cambodia	55.2 (54.2-56.1)	70.8 (70.0-71.6)	70.8 (69.5-72.0)	0.86	-0.01	0.76
Indonesia	62.5 (61.6-63.3)	69.8 (69.0-70.7)	70.0 (68.7-71.3)	0.39	0.06	0.35
Lao People's Democratic Republic	48.9 (47.9-50.1)	65.0 (64.2-65.7)	65.2 (63.9-66.5)	0.98	0.07	0.87
Malaysia	69.3 (68.9-69.7)	74.0 (73.6-74.3)	74.6 (74.2-75.1)	0.22	0.22	0.22
Maldives	65.0 (64.7-65.4)	75.4 (75.1-75.7)	75.2 (74.7-75.7)	0.51	-0.05	0.44
Mauritius	66.1 (65.7-66.4)	71.6 (71.3-71.8)	70.3 (69.8-70.8)	0.28	-0.43	0.19
Myanmar	51.0 (50.1-51.9)	62.2 (61.4-63.0)	61.6 (60.1-63.0)	0.68	-0.24	0.57
Philippines	65.6 (65.4-65.9)	68.3 (68.2-68.5)	68.9 (68.6-69.2)	0.14	0.22	0.15
Seychelles	66.1 (65.7-66.4)	72.7 (72.4-73.0)	72.2 (71.7-72.7)	0.33	-0.17	0.27
Sri Lanka	65.5 (65.2-65.9)	74.7 (74.5-74.9)	73.6 (73.3-73.9)	0.45	-0.37	0.35
Thailand	68.6 (68.4-68.8)	74.0 (73.8-74.1)	73.7 (73.4-73.9)	0.26	-0.10	0.22
Timor-Leste	56.8 (56.0-57.7)	68.8 (68.1-69.6)	69.6 (68.4-70.9)	0.66	0.30	0.62
Viet Nam	64.9 (64.3-65.4)	71.4 (70.6-72.2)	71.9 (70.6-73.2)	0.33	0.18	0.31

Abbreviations: HIC, high income country; UI, uncertainty interval.

Maldives	65.0 (64.7) 65.2	65.4 (65.2) 65.7	66.0 (65.7) 66.4	66.6 (66.4) 66.9	67.4 (67.2) 67.8	68.0 (68.3) 68.5	68.5 (68.9) 69.1	69.1 (69.6) 69.9	69.9 (70.3) 70.5	70.5 (70.9) 71.1	71.1 (71.3) 71.5	71.5 (71.8) 72.0	72.0 (72.3) 72.5	72.5 (73.1) 73.2	73.2 (73.6) 73.5	73.5 (74.0) 73.8	74.2 (74.2) 74.4	74.4 (74.5) 74.7	74.7 (74.7) 74.9	74.9 (75.1) 75.3	75.3 (75.3) 75.5	75.5 (75.5) 75.7	75.7 (75.6) 75.8	75.8 (75.7) 75.9	75.9 (76.0) 76.1	76.1 (76.2) 76.3	76.3 (76.2) 76.4	76.4 (76.3) 76.5	76.5 (76.4) 76.6	76.6 (76.5) 76.7	76.7 (76.6) 76.8	76.8 (76.7) 76.9	76.9 (76.8) 77.0	77.0 (76.9) 77.1	77.1 (77.0) 77.2	77.2 (77.1) 77.3	77.3 (77.2) 77.4	77.4 (77.3) 77.5	77.5 (77.4) 77.6	77.6 (77.5) 77.7	77.7 (77.6) 77.8	77.8 (77.7) 77.9	77.9 (77.8) 78.0	78.0 (77.9) 78.1	78.1 (78.0) 78.2	78.2 (78.1) 78.3	78.3 (78.2) 78.4	78.4 (78.3) 78.5	78.5 (78.4) 78.6	78.6 (78.5) 78.7	78.7 (78.6) 78.8	78.8 (78.7) 78.9	78.9 (78.8) 79.0	79.0 (78.9) 79.1	79.1 (79.0) 79.2	79.2 (79.1) 79.3	79.3 (79.2) 79.4	79.4 (79.3) 79.5	79.5 (79.4) 79.6	79.6 (79.5) 79.7	79.7 (79.6) 79.8	79.8 (79.7) 79.9	79.9 (79.8) 80.0	80.0 (79.9) 80.1	80.1 (80.0) 80.2	80.2 (80.1) 80.3	80.3 (80.2) 80.4	80.4 (80.3) 80.5	80.5 (80.4) 80.6	80.6 (80.5) 80.7	80.7 (80.6) 80.8	80.8 (80.7) 80.9	80.9 (80.8) 81.0	81.0 (80.9) 81.1	81.1 (81.0) 81.2	81.2 (81.1) 81.3	81.3 (81.2) 81.4	81.4 (81.3) 81.5	81.5 (81.4) 81.6	81.6 (81.5) 81.7	81.7 (81.6) 81.8	81.8 (81.7) 81.9	81.9 (81.8) 82.0	82.0 (81.9) 82.1	82.1 (82.0) 82.2	82.2 (82.1) 82.3	82.3 (82.2) 82.4	82.4 (82.3) 82.5	82.5 (82.4) 82.6	82.6 (82.5) 82.7	82.7 (82.6) 82.8	82.8 (82.7) 82.9	82.9 (82.8) 83.0	83.0 (82.9) 83.1	83.1 (83.0) 83.2	83.2 (83.1) 83.3	83.3 (83.2) 83.4	83.4 (83.3) 83.5	83.5 (83.4) 83.6	83.6 (83.5) 83.7	83.7 (83.6) 83.8	83.8 (83.7) 83.9	83.9 (83.8) 84.0	84.0 (83.9) 84.1	84.1 (84.0) 84.2	84.2 (84.1) 84.3	84.3 (84.2) 84.4	84.4 (84.3) 84.5	84.5 (84.4) 84.6	84.6 (84.5) 84.7	84.7 (84.6) 84.8	84.8 (84.7) 84.9	84.9 (84.8) 85.0	85.0 (84.9) 85.1	85.1 (85.0) 85.2	85.2 (85.1) 85.3	85.3 (85.2) 85.4	85.4 (85.3) 85.5	85.5 (85.4) 85.6	85.6 (85.5) 85.7	85.7 (85.6) 85.8	85.8 (85.7) 85.9	85.9 (85.8) 86.0	86.0 (85.9) 86.1	86.1 (86.0) 86.2	86.2 (86.1) 86.3	86.3 (86.2) 86.4	86.4 (86.3) 86.5	86.5 (86.4) 86.6	86.6 (86.5) 86.7	86.7 (86.6) 86.8	86.8 (86.7) 86.9	86.9 (86.8) 87.0	87.0 (86.9) 87.1	87.1 (87.0) 87.2	87.2 (87.1) 87.3	87.3 (87.2) 87.4	87.4 (87.3) 87.5	87.5 (87.4) 87.6	87.6 (87.5) 87.7	87.7 (87.6) 87.8	87.8 (87.7) 87.9	87.9 (87.8) 88.0	88.0 (87.9) 88.1	88.1 (88.0) 88.2	88.2 (88.1) 88.3	88.3 (88.2) 88.4	88.4 (88.3) 88.5	88.5 (88.4) 88.6	88.6 (88.5) 88.7	88.7 (88.6) 88.8	88.8 (88.7) 88.9	88.9 (88.8) 89.0	89.0 (88.9) 89.1	89.1 (89.0) 89.2	89.2 (89.1) 89.3	89.3 (89.2) 89.4	89.4 (89.3) 89.5	89.5 (89.4) 89.6	89.6 (89.5) 89.7	89.7 (89.6) 89.8	89.8 (89.7) 89.9	89.9 (89.8) 90.0	90.0 (89.9) 90.1	90.1 (90.0) 90.2	90.2 (90.1) 90.3	90.3 (90.2) 90.4	90.4 (90.3) 90.5	90.5 (90.4) 90.6	90.6 (90.5) 90.7	90.7 (90.6) 90.8	90.8 (90.7) 90.9	90.9 (90.8) 91.0	91.0 (90.9) 91.1	91.1 (91.0) 91.2	91.2 (91.1) 91.3	91.3 (91.2) 91.4	91.4 (
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Abbreviations: HIC, high income country; UI, uncertainty interval.

Supplementary Table 5. Life expectancy at birth with 95% UI across the Asian regions and 34 countries and territories for females.

	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	
Central Asia	71.1 (71.0-71.3)	70.9 (70.8-71.1)	70.3 (70.2-70.5)	69.7 (69.6-69.9)	69.7 (69.6-69.9)	69.8 (69.6-70.0)	70.0 (69.8-70.2)	70.4 (70.2-70.5)	70.7 (70.1-70.8)	71.0 (70.8-71.1)	71.2 (71.0-71.4)	71.4 (71.3-71.6)	71.5 (71.4-71.7)	71.7 (71.5-71.8)	72.0 (71.8-72.2)	72.2 (72.0-72.6)	72.4 (72.2-72.6)	72.7 (72.5-72.9)	73.0 (72.8-73.2)	73.4 (73.3-73.6)	73.7 (73.5-73.8)	73.9 (73.7-74.0)	74.2 (74.0-74.3)	74.5 (74.4-74.7)	74.8 (74.7-75.0)	75.1 (74.9-75.2)	75.3 (75.1-75.4)	75.5 (75.4-75.7)	75.8 (75.7-75.9)	76.0 (75.8-76.1)	74.7 (74.6-74.1)	74.0 (73.9-74.1)	76.1 (75.9-76.3)	76.8 (76.6-77.0)	
Armenia	73.7 (73.2-74.2)	73.4 (72.9-73.9)	72.9 (72.5-73.4)	73.4 (72.9-73.9)	73.4 (72.9-73.9)	73.8 (73.4-74.0)	74.2 (73.8-74.6)	74.6 (74.1-75.4)	75.0 (74.5-75.7)	75.2 (74.9-75.7)	75.4 (75.0-75.7)	75.6 (75.2-75.7)	75.7 (75.3-75.9)	75.9 (75.5-76.3)	76.3 (76.1-76.5)	76.5 (76.1-76.9)	76.5 (76.1-76.9)	76.7 (76.3-77.1)	77.0 (76.6-77.4)	77.3 (77.1-77.5)	77.5 (77.3-77.7)	77.8 (77.4-78.2)	78.6 (78.1-79.1)	79.0 (78.6-79.4)	79.3 (78.9-79.7)	79.5 (79.0-79.9)	80.0 (79.6-80.4)	80.3 (79.9-80.7)	76.7 (76.4-78.3)	78.0 (77.8-78.3)	81.0 (80.4-81.7)	82.6 (82.0-83.1)			
Azerbaijan	70.1 (69.6-70.6)	70.0 (69.4-70.5)	69.0 (68.5-69.5)	68.7 (68.2-69.2)	68.7 (68.2-69.2)	69.1 (68.7-69.7)	69.8 (69.2-70.2)	70.4 (69.8-70.9)	70.8 (70.1-71.3)	71.2 (71.1-72.0)	71.6 (71.1-72.5)	72.0 (71.6-72.5)	72.2 (71.7-72.7)	72.3 (71.7-72.6)	72.5 (72.1-72.8)	72.9 (72.4-73.3)	73.3 (72.9-73.8)	73.7 (73.5-74.1)	73.9 (73.7-74.5)	74.1 (74.1-74.5)	74.3 (74.3-74.7)	74.6 (74.4-75.0)	75.0 (74.9-75.2)	75.5 (75.4-75.7)	75.8 (75.7-76.0)	76.0 (75.9-76.1)	75.1 (74.9-75.3)	75.3 (75.2-75.7)	75.6 (75.2-75.9)	75.7 (75.3-75.8)	73.6 (73.0-73.7)	73.3 (73.0-73.5)	75.7 (75.2-76.2)	75.4 (75.4-76.1)	
Georgia	73.1 (72.7-73.5)	73.2 (72.8-73.6)	73.1 (72.7-73.5)	73.3 (72.9-73.7)	74.0 (73.5-74.5)	74.2 (73.7-74.8)	74.1 (73.5-74.8)	73.9 (73.2-74.5)	73.7 (73.0-73.7)	73.5 (72.8-73.7)	73.1 (72.5-73.7)	73.1 (72.5-73.6)	73.2 (72.5-73.7)	73.8 (73.4-74.3)	74.7 (74.3-75.1)	75.7 (75.3-76.1)	76.8 (76.4-77.0)	76.3 (76.0-77.2)	76.3 (76.0-76.8)	76.4 (76.4-76.8)	76.5 (76.5-76.8)	76.6 (76.6-77.1)	77.0 (77.0-77.4)	77.1 (77.1-77.5)	77.4 (77.4-77.8)	77.6 (77.6-78.0)	77.9 (77.9-78.3)	78.3 (78.3-78.7)	78.7 (78.7-79.0)	78.8 (78.8-79.0)	78.1 (78.1-78.8)	79.4 (79.4-79.9)			
Kazakhstan	72.2 (71.9-72.5)	71.8 (71.5-72.2)	71.4 (71.1-71.7)	70.5 (70.2-70.8)	70.8 (70.5-70.9)	69.6 (69.2-69.9)	69.7 (69.4-70.1)	70.1 (70.0-70.9)	70.6 (70.3-70.9)	71.2 (71.0-71.5)	71.3 (71.1-71.5)	71.3 (71.1-71.6)	71.1 (70.8-71.5)	71.1 (71.0-71.5)	71.5 (71.2-71.8)	71.7 (71.4-72.0)	71.9 (71.6-72.2)	72.4 (72.1-72.7)	72.4 (72.1-72.7)	72.4 (72.1-72.7)	72.4 (72.1-72.7)	72.4 (72.1-72.7)	72.4 (72.1-72.7)	72.4 (72.1-72.7)	72.4 (72.1-72.7)	72.4 (72.1-72.7)	72.4 (72.1-72.7)	72.4 (72.1-72.7)	72.4 (72.1-72.7)	72.4 (72.1-72.7)	72.4 (72.1-72.7)	72.4 (72.1-72.7)	72.4 (72.1-72.7)	72.4 (72.1-72.7)	
Kyrgyzstan	70.8 (70.3-71.3)	70.9 (70.4-71.1)	69.9 (70.0-71.1)	69.9 (69.4-69.9)	69.5 (69.0-69.9)	69.2 (69.0-70.2)	69.6 (69.6-70.2)	70.0 (70.0-70.9)	70.2 (70.2-71.2)	70.5 (70.5-71.5)	70.8 (70.8-71.7)	71.0 (71.0-71.9)	71.4 (71.4-71.8)	71.5 (71.5-71.8)	71.6 (71.6-72.1)	71.7 (71.7-72.2)	71.8 (71.8-72.3)	71.9 (71.9-72.4)	72.0 (72.0-72.5)	72.1 (72.1-72.6)	72.2 (72.2-72.7)	72.3 (72.3-72.8)	72.4 (72.4-72.9)	72.5 (72.5-73.0)	72.6 (72.6-73.1)	72.7 (72.7-73.2)	72.8 (72.8-73.3)	72.9 (72.9-73.4)	73.0 (73.0-73.5)	73.1 (73.1-73.6)	73.2 (73.2-73.7)	73.3 (73.3-73.8)	73.4 (73.4-73.9)	73.5 (73.5-74.0)	
Mongolia	65.1 (64.4-65.7)	64.6 (64.0-65.3)	64.4 (63.8-65.1)	64.0 (64.0-65.4)	65.2 (65.0-65.4)	65.0 (64.4-65.6)	64.8 (64.1-65.4)	65.0 (64.4-65.6)	65.5 (65.2-66.1)	66.2 (65.7-66.9)	66.6 (66.3-67.0)	66.9 (66.5-67.3)	67.6 (67.0-68.8)	68.4 (67.8-69.8)	69.2 (68.6-69.9)	69.3 (68.9-70.3)	70.3 (69.7-71.3)	70.7 (70.1-71.7)	71.1 (70.5-71.7)	71.3 (70.7-71.9)	71.4 (71.0-72.1)	71.6 (71.1-72.4)	71.9 (71.3-72.9)	72.3 (71.8-72.3)	72.8 (72.3-72.9)	73.5 (73.3-73.5)	73.9 (73.7-74.1)	74.6 (74.5-75.1)	75.3 (75.2-75.7)	75.9 (75.8-76.2)	76.8 (76.7-77.2)	77.0 (77.0-77.5)	78.2 (78.2-78.7)	78.7 (78.7-79.2)	
Tajikistan	69.5 (68.9-70.0)	69.0 (68.4-69.6)	66.8 (66.2-67.4)	64.7 (64.1-65.3)	67.2 (66.6-68.2)	67.8 (67.2-68.4)	68.3 (67.7-68.9)	69.6 (69.0-70.2)	69.9 (69.3-70.8)	70.3 (70.1-71.0)	70.4 (70.1-71.1)	70.5 (70.2-71.3)	70.6 (70.3-71.1)	70.7 (70.4-71.3)	71.2 (71.2-72.2)	71.7 (71.7-72.7)	72.2 (72.2-73.0)	72.5 (72.5-73.5)	73.0 (73.0-74.0)	73.3 (73.3-74.3)	73.6 (73.6-74.3)	73.8 (73.8-74.7)	74.2 (74.2-75.1)	74.6 (74.6-75.2)	74.7 (74.7-75.2)	74.8 (74.8-75.3)	74.9 (74.9-75.4)	75.0 (75.0-75.5)	75.1 (75.1-75.6)	75.2 (75.2-75.7)	75.3 (75.3-75.8)	75.4 (75.4-75.9)	75.5 (75.5-76.0)	75.6 (75.6-76.1)	75.7 (75.7-76.2)
Turkmenistan	69.4 (68.7-70.0)	69.2 (68.5-69.8)	68.9 (68.2-69.5)	68.7 (68.0-68.8)	68.2 (67.5-68.8)	68.7 (68.0-68.8)	69.0 (68.3-68.8)	69.5 (68.8-69.2)	69.8 (69.1-69.8)	70.2 (70.1-70.8)	70.5 (70.4-71.0)	70.6 (70.5-71.1)	70.7 (70.6-71.1)	70.8 (70.7-71.1)	71.0 (71.0-71.4)	71.3 (71.3-71.7)	71.5 (71.5-71.9)	71.7 (71.7-72.1)	71.9 (71.9-72.4)	72.0 (72.0-72.6)	72.1 (72.1-72.7)	72.2 (72.2-73.1)	72.3 (72.3-73.5)	72.4 (72.4-73.5)	72.5 (72.5-73.5)	72.6 (72.6-73.6)	72.7 (72.7-73.7)	72.8 (72.8-73.7)	72.9 (72.9-73.7)	73.0 (73.0-73.7)	73.1 (73.1-73.8)	73.2 (73.2-73.9)	73.3 (73.3-74.0)	73.4 (73.4-74.1)	73.5 (73.5-74.2)
Uzbekistan	71.2 (70.9-71.6)	71.0 (70.7-71.4)	70.6 (70.2-70.9)	70.1 (69.8-70.2)	69.9 (69.5-70.3)	69.9 (69.6-70.2)	70.1 (69.8-70.4)	70.4 (70.0-70.9)	70.7 (70.3-71.3)	71.0 (70.6-71.3)	71.2 (70.8-71.6)	71.4 (71.0-71.8)	71.5 (71.1-71.9)	71.6 (71.2-71.8)	71.8 (71.4-72.0)	72.0 (71.6-72.2)	72.2 (71.8-72.6)	72.3 (71.9-72.7)	72.4 (72.0-72.8)	72.5 (72.1-72.9)	72.6 (72.2-73.0)	72.7 (72.3-73.4)	72.8 (72.4-73.2)	72.9 (72.5-73.2)	73.0 (72.6-73.4)	73.1 (72.7-73.8)	73.2 (72.8-73.9)	73.3 (72.9-74.0)	73.4 (73.0-74.1)	73.5 (73.1-74.2)	73.6 (73.2-74.3)	73.7 (73.3-74.4)	73.8 (73.4-74.5)	73.9 (73.5-74.6)	
East Asia	69.4 (70.6)	69.6 (70.8)	69.2 (71.1)	69.8 (70.5)	70.2 (71.8)	70.5 (72.1)	70.8 (72.4)	71.1 (72.8)	71.4 (73.5)	71.7 (74.1)	72.0 (74.7)	72.3 (75.3)	72.6 (75.7)	72.9 (76.1)	73.2 (76.5)	73.5 (76.9)	73.8 (77.3)	74.1 (77.8)	74.4 (78.1)	74.7 (78.8)	75.0 (79.3)	75.3 (80.0)	75.6 (80.6)	75.9 (81.1)	76.2 (81.4)	76.5 (81.8)	76.8 (82.1)	77.1 (82.4)	77.4 (82.7)	77.7 (83.0)	78.0 (83.3)	78.3 (83.6)	78.6 (83.9)		
China (mainland)	69.8 (70.4)	70.0 (69.4)	70.3 (69.6)	70.7 (71.0)	71.0 (71.3)	71.4 (71.7)	71.8 (72.1)	72.2 (72.5)	72.5 (72.9)	72.8 (73.2)	73.1 (73.6)	73.5 (74.0)	74.0 (74.6)	74.6 (75.2)	75.3 (75.9)	75.9 (76.5)	76.6 (77.2)	77.2 (77.8)	77.5 (78.1)	78.3 (78.8)	78.9 (79.4)	79.5 (80.0)	80.1 (80.6)	80.6 (81.1)	81.0 (81.4)	81.2 (81.6)	81.8 (82.1)	82.0 (82.4)	82.8 (83.1)	83.3 (83.6)	83.8 (84.1)	84.2 (84.5)	84.7 (85.0)		
Democratic People's Republic of Korea	74.7 (74.0-75.3)	74.7 (74.1-75.4)	74.6 (74.0-75.3)	74.6 (73.9-75.3)	74.6 (73.9-75.2)	68.3 (63.3-71.4)	68.1 (63.1-71.4)	68.1 (63.0-71.4)	68.4 (63.9-71.3)	71.9 (69.7-73.4)	72.0 (69.7-73.4)	72.4 (69.7-73.4)	72.7 (69.7-73.4)	74.7 (74.0-75.3)	74.7 (74.0-75.3)	74.7 (74.1-75.3)	74.8 (74.2-75.4)	74.9 (74.3-75.5)	75.1 (74.6-76.0)	75.2 (74.7-76.7)	75.3 (74.7-76.0)	75.4 (74.7-76.0)	75.5 (74.7-76.0)	75.6 (74.9-76.2)	75.7 (75.0-76.3)	75.8 (75.1-76.5)	75.9 (75.2-76.5)	76.0 (75.5-76.6)	76.1 (75.3-76.6)	76.2 (75.7-77.2)	76.3 (75.8-77.0)	76.4 (75.9-77.1)	76.5 (76.0-77.1)		
Taiwan	77.0 (76.8-77.1)	77.3 (77.1-77.4)	77.5 (77.3-77.6)	77.8 (77.6-77.9)	78.0 (77.9-78.2)	78.1 (78.0-78.3)	78.4 (78.2-78.5)	78.8 (78.7-78.9)	79.1 (79.0-79.3)	79.0 (78.9-79.2)	79.7 (79.6-80.0)	80.0 (79.9-80.2)	80.3 (80.1-80.4)	80.5 (80.3-80.6)	80.8 (80.6-81.2)	81.1 (80.9-81.7)	81.5 (81.4-81.8)	81.7 (81.5-82.2)	82.1 (82.0-82.3)	82.3 (82.2-82.5)	82.6 (82.5-82.7)	82.7 (82.6-82.8)	82.9 (82.8-83.0)	83.1 (83.0-83.2)	83.3 (83.2-83.4)	83.3 (83.3-83.5)	83.3 (83.2-83.4)	83.5 (83.4-83.7)	83.8 (83.7-84.1)	84.1 (84.0-84.2)	84.3 (84.2-84.4)	84.4 (84.3-84.5)	84.5 (84.4-84.6)	84.6 (84.5-84.7)	
HICs of Asia Pacific	80.8 (81.0-80.9)	81.1 (81.4-81.2)	81.4 (81.7-81.4)	81.6 (81.9-81.7)	81.9 (82.1-81.1)	82.0 (82.3-82.1)	82.6 (82.9-82.7)	82.9 (83.1-83.3)	83.2 (83.5-83.8)	83.7 (84.1-84.4)	84.1 (84.5-84.8)	84.3 (84.7-85.0)	84.5 (84.9-85.3)	84.8 (85.2-85.5)	84.9 (85.3-85.5)	85.2 (85.6-85.5)	85.4 (85.8-85.5)	85.6 (86.0-86.0)	85.8 (86.2-86.3)	86.0 (86.4-86.5)	86.2 (86.6-86.7)	86.3 (86.8-86.9)	86.4 (86.9-87.0)	86.5 (87.1-87.2)	86.6 (87.2-87.3)	86.7 (87.3-87.4)	86.8 (87.4-87.5)	86.9 (87.5-87.6)	87.0 (87.6-87.7)	87.1 (87.7-87.8)	87.2 (87.8-87.9)	87.3 (87.9-88.0)	87.4 (88.0-88.1)	87.5 (88.1-88.2)	
Brunei Darussalam	73.8 (73.5-74.2)	74.0 (73.6-74.4)	74.2 (73.8-74.6)	74.4 (74.0-74.7)	74.6 (74.2-74.9)	74.7 (74.3-75.0)	74.9 (74.5-75.2)	75.0 (74.6-75.3)	75.2 (74.8-75.5)	75.5 (75.1-75.9)	75.6 (75.2-76.0)	75.9 (75.5-76.3)	76.1 (75.7-76.5)	76.3 (75.9-76.7)	76.6 (76.2-76.9)	76.7 (76.3-76.9)	77.0 (76.6-77.3)	77.3 (76.9-77.7)	77.6 (77.2-78.0)	77.9 (77.5-78.3)	78.3 (77.9-78.7)	78.8 (78.4-79.2)	79.0 (78.6-79.4)	79.2 (78.8-79.6)	79.4 (79.0-79.8)	79.6 (79.2-80.0)	79.8 (79.4-80.2)	79.9 (79.5-80.3)	80.0 (79.6-80.4)	80.1 (79.7-80.5)	80.2 (79.8-80.6)	80.3 (79.9-80.7)	80.4 (80.0-80.8)		
Japan	82.1 (82.2)	82.4 (82.4)	82.5 (82.6)	82.7 (82.7)	82.7 (82.8)	83.0 (83.1)	83.2 (83.3)	83.3 (83.4)	83.4 (83.5)	83.5 (83.6)	83.6 (83.7)	83.7 (83.8)	83.8 (83.9)	83.9 (84.0)	84.0 (84.1)	84.1 (84.2)	84.2 (84.3)	84.3 (84.4)	84.4 (84.5)	84.5 (84.6)	84.6 (84.7)	84.7 (84.8)	84.8 (84.9)	84.9 (85.0)	85.0 (85.1)	85.1 (85.2)	85.2 (85.3)	85.3 (85.4)	85.4 (85.5)	85.5 (85.6)	85.6 (85.7)	85.7 (85.8)	85.8 (85.9)	85.9 (86.0)	
Republic of Korea	76.0 (75.7-76.3)	76.3 (76.0-76.6)	76.9 (77.1-77.6)	77.3 (77.3-77.6)	77.5 (77.3-77.8)	78.0 (77.7-78.2)	78.5 (78.2-78.7)	78.6 (78.3-78.9)	78.8 (78.6-79.1)	79.7 (79.4-79.9)	80.2																								

Maldives	64.9	65.3	65.9	66.7	67.7	68.2	68.7	69.3	70.2	71.0	71.5	72.0	72.6	73.1	72.2	73.9	74.3	74.6	75.0	75.3	75.6	75.8	76.0	76.3	76.5	76.7	76.7	76.8	76.9	77.1	77.0	76.0	76.6	76.6
	(64.6-65.2)	(65.0-65.6)	(65.6-66.2)	(66.4-67.0)	(67.3-68.0)	(67.9-68.6)	(68.4-69.0)	(69.0-69.6)	(70.0-70.6)	(70.7-71.3)	(71.2-71.8)	(71.7-72.3)	(72.4-72.9)	(72.8-73.4)	(73.1-73.6)	(73.6-74.2)	(74.0-74.6)	(74.4-74.9)	(74.7-75.3)	(75.0-75.6)	(75.3-75.8)	(75.5-76.0)	(75.8-76.3)	(76.0-76.5)	(76.2-76.7)	(76.4-76.9)	(76.5-77.0)	(76.6-77.1)	(76.7-77.2)	(76.8-77.3)	(76.7-77.2)	(76.5-77.0)	(76.2-76.7)	(76.5-77.0)
	73.9	74.0	74.2	74.3	74.7	74.9	74.8	74.9	75.3	75.5	75.5	75.7	75.8	76.0	76.2	76.1	76.4	76.7	77.1	77.4	77.5	77.7	77.8	78.1	78.2	78.2	78.2	78.2	78.2	78.3	78.1	76.5	76.9	77.6
Mauritius	(73.6-74.3)	(73.7-74.3)	(73.9-74.6)	(74.0-74.6)	(74.4-74.6)	(74.5-75.2)	(74.7-75.0)	(74.7-75.3)	(75.0-75.6)	(75.2-75.8)	(75.4-75.7)	(75.6-75.9)	(75.8-76.1)	(76.0-76.3)	(76.1-76.4)	(76.2-76.7)	(76.4-76.7)	(76.7-77.1)	(77.1-77.3)	(77.3-77.7)	(77.4-77.8)	(77.5-77.9)	(77.7-78.1)	(77.8-78.2)	(78.1-78.2)	(78.2-78.3)	(78.2-78.3)	(78.2-78.3)	(78.1-78.2)	(77.9-78.3)	(77.6-78.0)	(77.3-78.0)	(77.1-77.6)	
	74.3	74.3	74.6	74.6	75.0	75.2	75.1	75.3	75.6	75.8	75.8	76.0	76.1	76.3	76.6	76.4	76.7	77.0	77.3	77.5	77.9	78.0	78.1	78.3	78.4	78.5	78.4	78.5	78.5	78.3	76.7	77.3	78.0	
	(74.0-74.6)	(74.0-74.6)	(74.2-74.8)	(74.2-74.8)	(74.6-75.0)	(74.8-75.2)	(74.9-75.3)	(74.9-75.3)	(75.2-75.6)	(75.4-75.8)	(75.6-75.9)	(75.8-76.2)	(76.0-76.4)	(76.2-76.6)	(76.4-76.8)	(76.6-77.0)	(76.8-77.2)	(77.0-77.4)	(77.3-77.7)	(77.5-77.9)	(77.8-78.2)	(78.0-78.4)	(78.1-78.5)	(78.3-78.7)	(78.4-78.8)	(78.5-78.9)	(78.6-79.0)	(78.7-79.1)	(78.6-79.0)	(78.4-78.8)	(78.0-78.4)	(77.7-78.1)	(78.0-78.4)	
Myanmar	58.3	(58.6-58.9)	59.0	59.3	(59.8-60.2)	60.0	60.2	60.6	61.2	61.8	62.2	62.7	63.1	63.5	63.9	64.3	64.8	65.4	65.7	66.3	66.7	67.2	67.7	67.9	68.1	68.4	68.6	68.6	68.6	68.9	69.1	69.0	68.2	68.8
	(58.0-58.6)	(58.6-58.9)	(58.9-59.3)	(59.3-59.8)	(59.8-60.2)	(60.0-60.6)	(60.2-60.8)	(60.6-61.2)	(61.2-61.8)	(61.8-62.4)	(62.4-63.0)	(63.0-63.6)	(63.6-64.2)	(64.2-64.8)	(64.8-65.4)	(65.4-66.0)	(66.0-66.6)	(66.6-67.2)	(67.2-67.8)	(67.8-68.4)	(68.4-69.0)	(69.0-69.6)	(69.6-70.2)	(70.2-70.8)	(70.8-71.4)	(71.4-72.0)	(72.0-72.6)	(72.6-73.2)	(73.2-73.8)	(73.8-74.4)	(74.4-75.0)	(75.0-75.6)	(75.6-76.2)	
	60.2	(60.2-60.6)	61.0	61.4	61.8	62.3	62.7	62.9	63.4	63.8	64.1	64.6	65.0	65.4	65.9	66.4	66.8	67.3	67.8	68.3	68.8	69.3	69.8	70.3	70.8	71.3	71.8	72.3	72.8	73.3	73.8	74.3	74.8	
Philippines	72.0	72.7	73.1	73.3	73.5	73.6	73.8	74.0	74.3	74.4	74.6	74.9	75.3	75.4	74.3	74.2	74.4	74.5	74.4	74.5	74.4	74.6	74.5	74.4	74.6	74.5	74.4	74.8	75.1	75.2	74.1	74.1	75.4	
	(71.6-72.4)	(72.4-73.0)	(73.0-73.6)	(73.6-74.2)	(74.2-74.8)	(74.8-75.4)	(75.4-76.0)	(76.0-76.6)	(76.6-77.2)	(77.2-77.8)	(77.8-78.4)	(78.4-79.0)	(79.0-79.6)	(79.6-80.2)	(80.2-80.8)	(80.8-81.4)	(81.4-82.0)	(82.0-82.6)	(82.6-83.2)	(83.2-83.8)	(83.8-84.4)	(84.4-85.0)	(85.0-85.6)	(85.6-86.2)	(86.2-86.8)	(86.8-87.4)	(87.4-88.0)	(88.0-88.6)	(88.6-89.2)	(89.2-89.8)	(89.8-90.4)	(90.4-91.0)	(91.0-91.6)	
	72.6	72.9	73.4	73.5	73.7	73.7	73.8	74.0	74.2	74.4	74.6	74.9	75.3	75.4	74.3	74.2	74.4	74.5	74.4	74.5	74.6	74.6	74.6	74.7	74.6	74.6	74.9	75.0	75.3	75.3	74.2	74.3	75.6	
Seychelles	75.4	75.5	75.6	75.6	76.0	76.4	76.3	76.6	76.7	76.8	76.7	76.8	76.6	76.9	76.7	76.9	77.0	77.2	77.3	77.5	77.7	77.8	78.0	78.2	78.5	78.7	79.0	79.2	79.5	79.4	74.6	77.9	78.5	
	(75.3-75.5)	(75.5-75.7)	(75.6-75.8)	(75.6-75.8)	(76.0-76.2)	(76.4-76.6)	(76.3-76.5)	(76.6-76.8)	(76.7-76.9)	(76.8-77.0)	(76.9-77.1)	(77.0-77.2)	(77.1-77.3)	(77.2-77.4)	(77.3-77.5)	(77.4-77.6)	(77.5-77.7)	(77.6-77.8)	(77.7-77.9)	(77.8-78.0)	(77.9-78.1)	(78.0-78.2)	(78.1-78.3)	(78.3-78.5)	(78.5-78.7)	(78.7-79.0)	(79.0-79.2)	(79.2-79.5)	(79.4-79.6)	(79.5-79.7)	(79.6-79.8)	(79.7-80.0)	(80.0-80.3)	
	75.7	75.8	75.9	75.9	76.2	76.6	76.7	77.2	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1	
Sri Lanka	74.0	74.3	74.8	75.2	75.4	75.3	75.3	75.5	75.7	76.2	76.6	77.1	77.5	77.7	77.5	77.9	77.8	78.0	77.7	77.6	77.8	78.0	78.2	78.7	79.1	79.2	79.4	79.6	79.8	79.8	80.0	80.4	80.8	79.3
	(73.8-74.1)	(74.6-74.7)	(75.0-75.2)	(75.2-75.5)	(75.1-75.3)	(75.3-75.5)	(75.5-75.7)	(75.7-76.0)	(76.0-76.4)	(76.4-76.9)	(76.9-77.5)	(77.5-78.1)	(78.1-78.7)	(78.7-79.3)	(79.3-79.9)	(79.9-80.5)	(80.5-81.1)	(81.1-81.7)	(81.7-82.3)	(82.3-82.9)	(82.9-83.5)	(83.5-84.1)	(84.1-84.7)	(84.7-85.3)	(85.3-85.9)	(85.9-86.5)	(86.5-87.1)	(87.1-87.7)	(87.7-88.3)	(88.3-88.9)	(88.9-89.5)	(89.5-90.1)	(90.1-90.7)	
	74.5	75.3	75.3	75.3	75.1	75.1	75.1	75.7	76.5	76.1	75.2	74.8	74.9	75.1	75.4	75.2	76.1	76.7	77.1	77.6	78.2	78.4	78.9	79.3	79.6	79.8	80.1	80.3	81.0	81.5	81.4	81.8	80.5	81.4
Thailand	(75.2-75.5)	(75.1-75.1)	(75.1-75.1)	(75.1-75.1)	(75.0-75.0)	(75.0-75.0)	(75.0-75.0)	(75.0-75.0)	(75.0-75.0)	(75.0-75.0)	(75.0-75.0)	(75.0-75.0)	(75.0-75.0)	(75.0-75.0)	(75.0-75.0)	(75.0-75.0)	(75.0-75.0)	(75.0-75.0)	(75.0-75.0)	(75.0-75.0)	(75.0-75.0)	(75.0-75.0)	(75.0-75.0)	(75.0-75.0)	(75.0-75.0)	(75.0-75.0)	(75.0-75.0)	(75.0-75.0)	(75.0-75.0)	(75.0-75.0)	(75.0-75.0)	(75.0-75.0)	(75.0-75.0)	
	75.5	75.5	75.4	75.5	75.3	75.3	75.5	75.9	76.7	76.3	75.3	75.0	75.3	75.6	75.3	76.2	76.8	77.3	77.8	78.3	78.5	79.0	79.5	79.7	80.0	80.1	80.4	81.0	81.2	81.6	81.6	81.8	80.7	81.2
	(75.4-75.6)	(75.4-75.6)	(75.4-75.6)	(75.4-75.6)	(75.3-75.5)	(75.3-75.5)	(75.5-75.7)	(75.9-76.3)	(76.3-76.7)	(76.3-76.7)	(75.3-75.7)	(75.0-75.4)	(75.3-75.7)	(75.6-76.0)	(75.3-75.7)	(76.2-76.6)	(76.8-77.2)	(77.3-77.7)	(77.8-78.2)	(78.3-78.7)	(78.5-78.9)	(79.0-79.4)	(79.5-79.9)	(79.7-80.1)	(80.0-80.4)	(80.1-80.5)	(80.4-80.8)	(81.0-81.2)	(81.2-81.6)	(81.6-81.8)	(81.6-81.8)	(81.8-82.0)	(80.7-81.2)	
Timor-Leste	58.1	58.9	59.1	59.8	60.2	60.9	61.3	61.7	62.3	62.9	63.4	63.7	64.3	64.7	65.1	65.5	65.9	66.3	66.7	67.1	67.5	67.9	68.3	68.7	69.1	69.5	69.9	70.3	70.7	71.1	71.5	71.9	72.3	
	(57.2-57.6)	(58.3-58.9)	(58.8-59.6)	(60.2-61.0)	(61.0-61.8)	(61.8-62.6)	(62.6-63.4)	(63.4-64.2)	(64.2-65.0)	(65.0-65.8)	(65.8-66.6)	(66.6-67.4)	(67.4-68.2)	(68.2-69.0)	(69.0-69.8)	(69.8-70.6)	(70.6-71.4)	(71.4-72.2)	(72.2-73.0)	(73.0-73.8)	(73.8-74.6)	(74.6-75.4)	(75.4-76.2)	(76.2-77.0)	(77.0-77.8)	(77.8-78.6)	(78.6-79.4)	(79.4-80.2)	(80.2-81.0)	(81.0-81.8)	(81.8-82.6)	(82.6-83.4)	(83.4-84.2)	
	59.0	59.4	60.0	60.5	61.2	61.7	62.3	62.8	63.4	63.9	64.5	65.0	65.5	66.0	66.5	67.1	67.6	68.2	68.7	69.1	69.7	70.3	70.9	71.5	72.1	72.7	73.3	73.9	74.5	75.1	75.7	76.3	76.9	
Viet Nam	73.5	73.8	74.1	74.5	74.9	75.3	75.7	76.0	76.5	76.9	77.2	77.4	77.6	77.7	77.9	78.0	78.1	78.3	78.4	78.5	78.6	78.7	78.8	78.9	79.0	79.1	79.3	79.4	79.6	79.7	79.8	79.9	80.0	80.1
	(73.1-73.9)	(73.5-73.9)	(73.9-74.3)	(74.3-74.7)	(74.7-75.1)	(75.1-75.5)	(75.5-75.9)	(76.0-76.4)	(76.4-76.8)	(76.8-77.2)	(77.2-77.6)	(77.6-78.0)	(78.0-78.4)	(78.4-78.8)	(78.8-79.2)	(79.2-79.6)	(79.6-80.0)	(80.0-80.4)	(80.4-80.8)	(80.8-81.2)	(81.2-81.6)	(81.6-82.0)	(82.0-82.4)	(82.4-82.8)	(82.8-83.2)	(83.2-83.6)	(83.6-84.0)	(84.0-84.4)	(84.4-84.8)	(84.8-85.2)	(85.2-85.6)	(85.6-86.0)	(86.0-86.4)	
	74.1	74.5	74.9	75.3	75.6	76.0	76.3	76.6	77.0	77.4	77.9	78.2	78.3	78.5	78.6	78.7	78.9	79.0	79.2	79.3	79.4	79.6	79.7	79.8	79.9	80.0	80.1	80.2	80.3	80.4	80.5	80.7	80.9	81.0

Abbreviations: HIC, high income country; UI, uncertainty interval.

Supplementary Table 6. Life expectancy at birth with 95% UI across the Asian regions and 34 countries and territories for males.

	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023																																																																																																																																																																																						
Central Asia	63.5 (63.3-63.7)	63.2 (63.0-63.4)	62.4 (62.2-62.6)	61.4 (61.2-61.6)	61.9 (61.7-62.1)	61.8 (61.6-62.0)	61.9 (61.7-62.1)	62.5 (62.3-62.7)	63.0 (62.8-63.2)	63.5 (63.3-63.7)	63.8 (63.6-64.0)	64.0 (64.2-64.3)	64.2 (64.1-64.4)	64.4 (64.3-64.6)	64.5 (64.4-64.7)	64.7 (64.5-64.9)	65.1 (64.9-65.4)	65.7 (65.4-65.9)	66.3 (66.1-66.5)	66.6 (66.5-66.8)	66.9 (66.8-67.1)	67.3 (67.1-67.4)	67.7 (67.6-67.9)	68.1 (68.0-68.3)	68.5 (68.3-68.6)	68.8 (68.6-68.9)	69.1 (69.0-69.3)	69.5 (69.3-69.6)	69.7 (69.6-69.8)	68.0 (67.9-68.2)	68.1 (68.0-68.2)	69.9 (69.7-70.1)	70.5 (70.3-70.7)																																																																																																																																																																																							
Armenia	67.0 (66.5-67.5)	66.3 (65.8-66.8)	65.8 (65.2-66.3)	65.7 (65.0-66.3)	66.2 (65.5-66.8)	66.6 (66.1-66.8)	67.2 (66.7-67.3)	68.1 (87.6-68.6)	68.9 (68.8-69.1)	69.3 (69.3-70.3)	69.8 (69.8-70.3)	69.9 (69.9-70.3)	69.9 (69.5-70.5)	70.0 (70.0-70.5)	70.0 (69.5-70.5)	70.0 (69.5-70.5)	70.2 (69.9-70.3)	70.7 (70.4-70.9)	71.3 (71.1-71.3)	71.8 (71.3-71.3)	72.1 (71.6-72.2)	72.4 (72.0-72.6)	72.6 (72.1-72.6)	73.1 (72.6-73.1)	73.7 (73.2-73.6)	74.0 (73.6-74.5)	65.1 (64.5-65.6)	71.7 (71.4-72.0)	74.0 (73.5-74.5)	76.3 (75.5-77.1)																																																																																																																																																																																										
Azerbaijan	62.1 (61.5-62.6)	61.7 (61.2-62.3)	60.1 (59.4-60.9)	60.4 (59.8-60.8)	60.3 (59.8-61.5)	60.9 (60.4-62.4)	61.9 (61.3-62.4)	62.8 (62.3-63.3)	63.8 (63.4-64.1)	64.6 (64.1-65.1)	65.3 (64.9-65.5)	66.0 (65.6-66.5)	66.5 (66.2-66.9)	66.6 (66.3-67.1)	67.2 (67.1-67.3)	67.8 (67.4-68.2)	68.2 (67.8-68.6)	68.5 (68.0-69.2)	68.8 (68.9-69.2)	69.0 (69.1-69.2)	69.3 (69.4-69.4)	69.5 (69.6-70.0)	69.8 (70.0-70.2)	70.1 (70.2-70.3)	70.3 (70.3-70.3)	70.2 (70.2-70.3)	66.8 (66.6-66.8)	68.5 (68.1-68.8)	70.5 (70.1-71.1)	69.9 (69.2-70.6)																																																																																																																																																																																										
Georgia	65.1 (64.6-65.5)	65.1 (64.6-65.5)	64.7 (64.1-65.2)	64.2 (63.7-64.8)	64.6 (64.0-65.5)	66.1 (65.4-66.7)	66.1 (65.5-66.7)	66.6 (66.0-66.7)	65.7 (65.4-66.4)	65.7 (65.4-66.4)	65.7 (65.4-66.4)	65.9 (65.6-66.5)	66.0 (65.7-66.5)	66.1 (65.8-66.5)	67.1 (66.7-67.3)	67.3 (67.1-67.7)	67.0 (66.5-67.5)	65.9 (65.4-66.4)	66.8 (66.3-67.4)	67.0 (66.5-67.4)	67.3 (67.1-67.8)	67.5 (67.4-67.9)	67.9 (67.8-68.3)	68.1 (68.0-68.6)	68.2 (68.1-68.7)	68.5 (68.4-68.9)	68.8 (68.7-69.2)	69.1 (69.0-69.5)	69.7 (69.6-70.0)	68.7 (68.6-68.8)	67.2 (67.1-67.3)	69.0 (68.4-69.6)	70.1 (69.4-70.7)																																																																																																																																																																																							
Kazakhstan	62.9 (62.6-63.3)	62.5 (62.1-62.8)	61.8 (61.4-62.1)	60.8 (60.4-61.1)	59.2 (59.5-60.2)	59.1 (58.8-60.2)	59.2 (59.2-59.5)	59.6 (59.5-59.8)	60.0 (60.3-61.0)	60.7 (60.3-61.1)	60.6 (60.2-60.9)	60.3 (60.0-60.7)	60.3 (60.0-60.7)	60.3 (60.0-60.7)	60.9 (60.5-61.3)	62.0 (61.6-62.3)	62.6 (62.2-62.9)	63.0 (62.5-63.2)	63.2 (62.9-63.4)	63.6 (63.2-63.9)	64.3 (63.9-64.6)	64.9 (64.6-65.2)	65.7 (65.4-66.1)	66.7 (66.4-67.1)	67.5 (67.1-67.8)	68.1 (67.8-68.4)	68.5 (68.4-68.9)	68.8 (68.7-69.2)	69.1 (69.1-69.4)	69.4 (69.4-69.7)	67.5 (67.4-67.7)	69.6 (69.6-70.0)	70.0 (70.0-70.4)																																																																																																																																																																																							
Kyrgyzstan	62.5 (62.1-63.2)	62.4 (62.1-62.7)	61.7 (61.7-61.8)	60.9 (60.9-61.0)	60.2 (60.2-61.3)	60.3 (60.3-61.3)	61.9 (61.9-62.4)	62.4 (62.4-63.4)	63.0 (63.0-63.4)	63.2 (63.2-63.7)	63.2 (63.2-63.7)	63.2 (63.2-63.7)	63.2 (63.2-63.7)	63.2 (63.2-63.7)	63.2 (63.2-63.7)	63.2 (63.2-63.7)	63.2 (63.2-63.7)	63.2 (63.2-63.7)	63.2 (63.2-63.7)	63.2 (63.2-63.7)	63.2 (63.2-63.7)	63.2 (63.2-63.7)	63.2 (63.2-63.7)	63.2 (63.2-63.7)	63.2 (63.2-63.7)	63.2 (63.2-63.7)	63.2 (63.2-63.7)	63.2 (63.2-63.7)	63.2 (63.2-63.7)	63.2 (63.2-63.7)	63.2 (63.2-63.7)	63.2 (63.2-63.7)	63.2 (63.2-63.7)	63.2 (63.2-63.7)																																																																																																																																																																																						
Mongolia	58.1 (57.4-58.7)	57.9 (57.3-58.6)	57.9 (57.3-58.6)	58.2 (57.5-58.9)	58.5 (58.1-59.4)	58.8 (58.4-59.4)	59.0 (59.0-59.6)	59.6 (59.6-60.2)	60.2 (60.2-60.5)	60.8 (60.8-61.1)	61.1 (61.1-61.5)	61.2 (61.2-61.6)	61.3 (61.3-61.7)	61.5 (61.5-61.9)	62.0 (61.4-62.0)	62.6 (62.4-62.6)	63.0 (62.4-63.0)	62.9 (62.4-63.0)	62.7 (62.1-62.7)	63.2 (62.5-63.2)	63.8 (63.4-64.1)	64.7 (64.1-64.7)	65.4 (64.5-66.0)	66.4 (65.5-67.5)	67.6 (66.5-68.6)	68.4 (67.4-69.4)	69.4 (68.4-70.4)	70.1 (69.4-70.6)	71.0 (70.7-71.4)	71.9 (71.8-72.0)	72.5 (72.4-72.6)	73.2 (73.1-73.3)	74.0 (73.9-74.1)	74.6 (74.5-74.7)																																																																																																																																																																																						
Tajikistan	63.6 (62.9-64.2)	63.1 (62.4-63.8)	59.4 (58.8-60.1)	52.5 (51.6-53.4)	61.1 (60.7-61.7)	61.3 (60.7-61.9)	60.7 (60.3-61.3)	63.3 (62.8-64.0)	64.0 (63.4-64.6)	65.2 (64.7-65.7)	65.8 (65.2-66.5)	66.5 (65.9-67.2)	66.8 (66.2-66.9)	67.2 (66.6-67.7)	67.6 (67.1-67.7)	68.2 (67.7-68.3)	68.8 (68.3-69.3)	69.3 (68.9-69.8)	69.6 (69.2-70.4)	69.9 (69.5-70.8)	70.3 (70.1-71.2)	70.7 (70.7-71.2)	71.1 (71.1-71.6)	71.2 (71.2-71.7)	71.0 (71.0-71.5)	70.9 (70.9-71.3)	71.3 (71.3-71.7)	71.8 (71.8-72.3)	72.0 (72.0-72.4)	70.6 (70.6-71.1)	69.6 (69.6-70.1)	70.2 (70.2-70.7)	70.6 (70.6-71.1)																																																																																																																																																																																							
Turkmenistan	62.5 (63.1-63.1)	62.0 (62.6-62.6)	61.8 (62.4-62.4)	61.4 (62.0-62.0)	61.2 (61.8-61.8)	61.0 (61.6-61.6)	61.0 (61.6-61.6)	61.2 (61.8-61.8)	61.4 (62.0-62.0)	61.6 (62.2-62.2)	61.8 (62.4-62.4)	62.0 (62.6-62.6)	62.2 (62.8-62.8)	62.4 (63.0-63.0)	62.6 (63.2-63.2)	62.8 (63.4-63.4)	63.0 (63.6-63.6)	63.2 (63.8-63.8)	63.4 (64.0-64.0)	63.6 (64.2-64.2)	63.8 (64.4-64.4)	64.0 (64.6-64.6)	64.2 (64.8-64.8)	64.4 (65.0-65.0)	64.6 (65.2-65.2)	64.8 (65.4-65.4)	65.0 (66.0-66.0)	65.2 (66.2-66.2)	65.4 (66.4-66.4)	65.6 (66.6-66.6)	65.8 (66.8-66.8)	66.0 (67.0-67.0)	66.2 (67.2-67.2)	66.4 (67.4-67.4)																																																																																																																																																																																						
Uzbekistan	65.2 (64.9-65.6)	65.1 (64.7-65.4)	64.8 (64.4-65.1)	64.4 (64.0-64.8)	64.0 (63.6-64.4)	64.0 (63.6-64.4)	64.4 (64.0-64.8)	64.4 (64.0-64.8)	64.4 (64.0-64.8)	64.4 (64.0-64.8)	64.4 (64.0-64.8)	64.4 (64.0-64.8)	64.4 (64.0-64.8)	64.4 (64.0-64.8)	64.4 (64.0-64.8)	64.4 (64.0-64.8)	64.4 (64.0-64.8)	64.4 (64.0-64.8)	64.4 (64.0-64.8)	64.4 (64.0-64.8)	64.4 (64.0-64.8)	64.4 (64.0-64.8)	64.4 (64.0-64.8)	64.4 (64.0-64.8)	64.4 (64.0-64.8)	64.4 (64.0-64.8)	64.4 (64.0-64.8)	64.4 (64.0-64.8)	64.4 (64.0-64.8)	64.4 (64.0-64.8)	64.4 (64.0-64.8)	64.4 (64.0-64.8)	64.4 (64.0-64.8)	64.4 (64.0-64.8)																																																																																																																																																																																						
East Asia	63.9 (63.1-64.7)	64.0 (63.2-64.8)	64.3 (63.5-65.1)	64.6 (63.8-65.4)	64.9 (64.1-65.7)	65.2 (64.4-66.0)	65.6 (64.8-66.4)	66.1 (65.3-66.9)	66.5 (65.7-67.3)	66.9 (66.1-67.7)	67.4 (66.6-68.2)	67.8 (67.0-68.6)	68.2 (67.4-68.9)	68.5 (67.7-69.3)	68.8 (68.0-69.6)	69.1 (68.3-70.0)	69.4 (68.6-70.5)	69.6 (68.8-70.8)	69.9 (69.1-70.7)	70.3 (69.5-71.1)	70.7 (69.9-71.5)	71.1 (70.3-71.9)	71.2 (70.4-72.0)	71.0 (70.2-71.8)	70.9 (70.1-71.7)	71.3 (70.5-72.1)	71.8 (71.0-72.6)	72.3 (71.5-73.1)	72.8 (72.0-73.6)	73.5 (72.7-74.3)	74.2 (73.4-75.0)	74.7 (73.9-75.5)	75.3 (74.5-76.1)	75.9 (75.1-76.7)	76.4 (75.6-77.2)	76.9 (76.1-77.7)	77.4 (76.6-78.2)	77.9 (77.1-78.7)	78.4 (77.6-79.2)	78.9 (78.1-79.7)	79.4 (78.6-80.2)	79.9 (79.1-80.7)	80.4 (79.6-80.8)	80.9 (80.1-81.7)	81.4 (80.6-82.2)	81.9 (81.1-82.7)	82.4 (81.6-83.2)	82.9 (82.1-83.7)	83.4 (82.6-84.2)	83.9 (83.1-84.7)	84.4 (83.6-85.2)	84.9 (84.1-85.7)	85.4 (84.6-86.2)	85.9 (85.1-86.7)	86.4 (85.6-87.2)	86.9 (86.1-87.7)	87.4 (86.6-88.2)	87.9 (87.1-88.7)	88.4 (87.6-89.2)	88.9 (88.1-89.7)	89.4 (88.6-90.2)	89.9 (89.1-90.7)	90.4 (89.6-91.2)	90.9 (90.1-91.7)	91.4 (90.6-92.2)	91.9 (91.1-92.7)	92.4 (91.6-93.2)	92.9 (92.1-93.7)	93.4 (92.6-94.2)	93.9 (93.1-94.7)	94.4 (93.6-95.2)	94.9 (94.1-95.7)	95.4 (94.6-96.2)	95.9 (95.1-96.7)	96.4 (95.6-97.2)	96.9 (96.1-97.7)	97.4 (96.6-98.2)	97.9 (97.1-98.7)	98.4 (97.6-99.2)	98.9 (98.1-99.7)	99.4 (98.6-100.2)	99.9 (99.1-100.7)	100.4 (99.6-101.2)	100.9 (100.1-101.7)	101.4 (100.6-102.2)	101.9 (101.1-102.7)	102.4 (101.6-103.2)	102.9 (102.1-103.7)	103.4 (102.6-104.2)	103.9 (103.1-104.7)	104.4 (103.6-105.2)	104.9 (104.1-105.7)	105.4 (104.6-106.2)	105.9 (105.1-106.7)	106.4 (105.6-107.2)	106.9 (106.1-107.7)	107.4 (106.6-108.2)	107.9 (107.1-108.7)	108.4 (107.6-109.2)	108.9 (108.1-109.7)	109.4 (108.6-110.2)	109.9 (109.1-110.7)	110.4 (109.6-111.2)	110.9 (109.8-111.7)	111.4 (110.6-112.2)	111.9 (111.1-112.7)	112.4 (111.6-113.2)	112.9 (112.1-113.7)	113.4 (112.6-114.2)	113.9 (113.1-114.7)	114.4 (113.6-115.2)	114.9 (114.1-115.7)	115.4 (114.6-116.2)	115.9 (115.1-116.7)	116.4 (115.6-117.2)	116.9 (116.1-117.7)	117.4 (116.6-118.2)	117.9 (117.1-118.7)	118.4 (117.6-119.2)	118.9 (118.1-119.7)	119.4 (118.6-120.2)	119.9 (119.1-120.7)	120.4 (119.6-121.2)	120.9 (120.1-121.7)	121.4 (120.6-122.2)	121.9 (121.1-122.7)	122.4 (121.6-123.2)	122.9 (122.1-123.7)	123.4 (122.6-124.2)	123.9 (123.1-124.7)	124.4 (123.6-125.2)	124.9 (124.1-125.7)	125.4 (124.6-126.2)	125.9 (125.1-126.7)	126.4 (125.6-127.2)	126.9 (126.1-127.7)	127.4 (126.6-128.2)	127.9 (127.1-128.7)	128.4 (127.6-129.2)	128.9 (128.1-129.7)	129.4 (128.6-130.2)	129.9 (129.1-130.7)	130.4 (129.6-131.2)	130.9 (130.1-131.7)	131.4 (130.6-132.2)	131.9 (131.1-132.7)	132.4 (131.6-133.2)	132.9 (132.1-133.7)	133.4 (132.6-134.2)	133.9 (133.1-134.7)	134.4 (133.6-135.2)	134.9 (134.1-135.7)	135.4 (134.6-136.2)	135.9 (135.1-136.7)	136.4 (135.6-137.2)	136.9 (136.1-137.7)	137.4 (136.6-138.2)	137.9 (137.1-138.7)	138.4 (137.6-139.2)	138.9 (138.1-139.7)	139.4 (138.6-140.2)	139.9 (139.1-140.7)	140.4 (139.6-141.2)	140.9 (140.1-141.7)	141.4 (140.6-142.2)	141.9 (141.1-142.7)	142.4 (141.6-143.2)	142.9 (142.1-143.7)	143.4 (142.6-144.2)	143.9 (143.1-144.7)	144.4 (143.6-145.2)	144.9 (144.1-145.7)	145.4 (144.6-146.2)	145.9 (145.1-146.7)	146.4 (145.6-147.2)	146.9 (146.1-147.7)	147.4 (146.6-148.2)	147.9 (147.1-148.7)	148.4 (147.6-149.2)	148.9 (148.1-149.7)	149.4 (148.6-150.2)	149.9 (149.1-150.7)	150.4 (149.6-151.2)	150.9 (150.1-151.7)	151.4 (150.6-152.2)	151.9 (151.1-152.7)	152.4 (151.6-153.2)	152.9 (152.1-153.7)	153.4 (152.6-154.2)	153.9 (153.1-154.7)	154.4 (153.6-155.2)	154.9 (154.1-155.7)	155.4 (154.6-156.2)	155.9 (155.1-156.7)	156.4 (155.6-157.2)	156.9 (156.1-157.7)	157.4 (156.6-158.2)	157.9 (157.1-158.7)	158.4 (157.6-159.2)	158.9 (158.1-159.7)	159.4 (158.6-160.2)	159.9 (159.1-160.7)	160.4 (159.6-161.2)	160.9 (160.1-161.7)	161.4 (160.6-162.2)	161.9 (161.1-162.7)	162.4 (161.6-163.2)	162.9 (162.1-163.7)	163.4 (162.6-164.2)	163.9 (163.1-164.7)	164.4 (163.6-165.2)	164.9 (164.1-165.7)	165.4 (164.6-166.2)	165.9 (165.1-166.7)	166.4 (165.6-167.2)	166.9 (166.1-1

Maldives	65.0	65.4	66.0	66.5	67.1	67.7	68.4	68.9	69.5	70.0	70.7	71.1	71.5	71.9	70.9	72.5	72.8	73.1	73.4	73.7	73.9	74.1	74.4	74.5	74.7	75.0	75.1	75.2	75.3	75.4	75.3	74.4	74.9	75.2
	(64.7-65.3)	(65.1-65.8)	(65.6-66.3)	(66.2-66.9)	(66.8-67.4)	(67.4-68.1)	(68.1-68.6)	(68.6-69.2)	(69.2-69.7)	(70.4-70.8)	(70.8-71.1)	(71.2-71.5)	(71.6-71.9)	(70.6-71.2)	(72.2-72.8)	(72.5-73.1)	(73.1-73.4)	(73.4-73.7)	(73.7-74.0)	(74.0-74.3)	(74.3-74.6)	(74.6-74.9)	(74.9-75.2)	(75.2-75.5)	(75.5-75.8)	(75.8-76.1)	(76.1-76.4)	(76.4-76.7)	(76.7-77.0)	(77.0-77.3)	(77.3-77.6)	(77.6-77.9)	(77.9-78.2)	(78.2-78.5)
	66.1	66.5	66.8	66.9	67.2	67.2	67.3	67.5	67.9	68.3	68.5	68.8	69.1	69.3	69.5	69.7	70.0	70.1	70.3	70.6	70.9	71.1	71.3	71.5	71.5	71.6	71.4	71.6	71.4	71.6	71.2	69.4	70.0	70.3
Mauritius	65.7	66.1	66.5	66.6	66.9	66.6	67.0	67.1	67.5	67.9	68.2	68.5	68.8	68.9	69.2	69.2	69.4	69.7	69.8	70.0	70.3	70.6	70.8	71.0	71.2	71.2	71.1	71.2	71.1	71.3	71.0	69.2	69.6	69.8
	(65.4-66.0)	(66.1-66.5)	(66.5-66.9)	(66.6-67.0)	(66.9-67.3)	(67.2-67.6)	(67.6-68.0)	(68.0-68.4)	(68.4-68.9)	(68.9-69.3)	(69.2-69.6)	(69.6-70.0)	(70.0-70.4)	(70.4-70.8)	(69.8-70.2)	(69.2-69.6)	(69.4-69.8)	(69.7-70.1)	(70.0-70.4)	(70.3-70.7)	(70.6-71.0)	(71.0-71.4)	(71.2-71.6)	(71.2-71.6)	(71.2-71.6)	(71.1-71.3)	(71.3-71.5)	(71.0-71.2)	(70.9-71.1)	(70.7-70.9)	(70.5-70.7)	(70.8-71.0)		
	66.4	66.8	67.1	67.2	67.5	67.6	67.7	67.8	68.2	68.5	68.6	68.9	69.2	69.4	69.6	69.8	69.8	70.1	70.3	70.6	70.9	71.2	71.4	71.6	71.8	71.9	71.8	71.9	71.8	71.4	69.7	70.5	70.8	
Myanmar	51.1	51.3	51.7	52.1	52.4	53.1	54.0	54.3	54.6	55.1	55.7	56.3	56.9	57.4	58.2	58.5	59.2	59.5	59.8	60.3	60.6	61.0	61.3	61.5	61.7	61.2	61.3	61.2	61.4	61.0	60.9	61.6	61.9	
	(50.1-51.0)	(50.5-51.3)	(50.9-51.4)	(51.4-52.1)	(51.8-52.4)	(52.4-53.1)	(53.1-53.6)	(53.6-54.3)	(54.3-54.6)	(54.6-55.1)	(55.1-55.6)	(55.6-56.3)	(56.3-56.9)	(56.9-57.4)	(57.4-58.2)	(58.2-58.5)	(59.2-59.5)	(59.5-59.8)	(59.8-60.3)	(60.3-60.6)	(60.6-61.0)	(61.0-61.3)	(61.3-61.5)	(61.5-61.7)	(61.2-61.4)	(61.4-61.6)	(61.2-61.4)	(61.0-61.2)	(60.9-61.1)	(61.1-61.3)	(61.3-61.6)	(61.6-61.9)		
	51.9	52.2	52.6	53.1	53.6	53.9	54.5	54.9	55.2	55.6	56.0	56.4	56.7	57.2	57.6	58.0	58.5	59.0	59.5	60.0	60.4	60.7	61.1	61.5	61.7	61.9	62.3	62.2	62.9	63.0	62.8	61.0	62.9	
Philippines	65.6	66.1	66.4	66.5	66.6	66.8	66.8	66.7	66.9	67.0	67.3	67.1	67.0	67.2	67.3	67.2	67.2	67.5	67.4	67.5	67.4	67.5	67.5	67.4	67.8	67.6	67.4	67.6	67.9	68.3	68.5	64.8	67.6	68.9
	(65.3-65.9)	(66.0-66.5)	(66.4-66.6)	(66.5-66.8)	(66.6-66.9)	(66.8-67.0)	(66.8-66.7)	(66.7-66.8)	(66.9-67.0)	(67.0-67.3)	(67.3-67.5)	(67.5-67.3)	(67.3-67.2)	(67.2-67.3)	(67.3-67.4)	(67.2-67.3)	(67.2-67.3)	(67.5-67.8)	(67.4-67.5)	(67.5-67.7)	(67.4-67.5)	(67.5-67.7)	(67.7-67.8)	(67.7-67.8)	(67.6-67.8)	(67.4-67.6)	(67.6-67.8)	(67.8-68.0)	(68.0-68.3)	(68.3-68.5)	(64.8-64.9)	(67.6-67.8)	(68.9-69.2)	
	65.9	66.4	66.6	66.7	66.8	67.0	66.9	67.1	67.2	67.5	67.3	67.2	67.1	67.2	67.3	67.4	67.5	67.6	67.7	67.6	67.7	67.7	67.6	67.9	67.7	67.5	67.7	67.8	68.1	68.5	64.9	67.8	69.2	
Seychelles	66.1	65.9	65.8	65.7	66.0	66.3	66.5	66.7	67.0	67.4	67.7	67.9	68.0	68.1	68.3	68.4	68.5	68.7	68.9	69.0	69.3	69.6	69.7	70.0	70.3	70.6	71.0	71.4	72.0	72.7	72.7	70.1	72.5	72.7
	(65.8-66.4)	(65.5-66.1)	(65.7-66.3)	(65.6-66.0)	(66.0-66.3)	(66.3-66.7)	(66.5-66.9)	(66.7-67.0)	(67.0-67.3)	(67.4-67.8)	(67.8-68.1)	(68.0-68.3)	(68.1-68.4)	(68.2-68.3)	(68.3-68.4)	(68.4-68.5)	(68.5-68.6)	(68.7-68.9)	(68.9-69.0)	(69.3-69.6)	(69.6-69.7)	(69.7-70.0)	(70.0-70.3)	(70.3-70.6)	(70.6-71.0)	(71.0-71.4)	(71.4-72.0)	(72.0-72.7)	(72.7-73.0)	(70.1-70.2)	(72.5-72.7)	(72.7-73.0)		
	66.4	66.2	66.1	66.0	66.3	66.7	66.9	67.0	67.3	67.7	68.0	68.2	68.4	68.6	68.8	68.9	69.0	69.2	69.4	69.7	70.0	70.3	70.6	70.9	71.3	71.7	72.3	73.0	74.0	74.0	70.4	72.3	72.7	
Sri Lanka	65.5	66.0	67.0	67.8	67.9	66.5	66.1	66.4	66.6	67.3	67.5	68.4	69.2	69.7	66.1	70.3	70.4	70.6	69.4	69.3	70.7	72.2	72.8	73.0	73.3	73.5	73.9	74.0	74.3	74.7	75.4	73.6	73.5	73.6
	(65.2-65.7)	(66.0-66.3)	(67.0-67.5)	(67.6-67.9)	(67.6-67.9)	(66.2-66.5)	(66.0-66.2)	(66.3-66.5)	(66.6-66.8)	(67.3-67.6)	(67.5-67.8)	(68.4-68.9)	(69.0-69.5)	(69.4-69.9)	(65.7-66.5)	(70.1-70.8)	(70.1-70.4)	(70.6-70.9)	(69.2-69.6)	(69.3-69.7)	(70.4-71.0)	(72.0-72.6)	(72.6-72.8)	(73.1-73.3)	(73.3-73.5)	(73.9-74.1)	(74.3-74.5)	(74.7-75.0)	(75.3-75.6)	(73.3-73.5)	(73.5-73.6)	(73.6-73.7)		
	65.8	66.2	67.1	67.8	67.9	66.8	66.3	66.6	66.8	67.5	67.7	68.6	69.4	69.9	66.4	70.8	70.9	71.1	70.0	69.9	71.3	72.8	73.0	73.3	73.5	73.9	74.0	74.4	74.9	75.7	73.9	73.8	73.9	
Thailand	68.6	68.4	68.1	67.7	67.0	66.4	66.9	68.5	68.7	67.7	67.4	67.6	67.9	68.3	69.1	70.8	70.4	71.1	71.7	72.0	72.3	72.6	72.8	73.0	73.2	73.2	73.8	74.2	74.4	74.4	74.4	72.8	72.6	73.7
	(68.4-68.8)	(68.2-68.7)	(67.9-68.3)	(67.5-67.9)	(66.8-67.2)	(66.2-66.6)	(66.7-67.1)	(68.3-68.5)	(68.5-68.7)	(67.5-67.8)	(67.2-67.3)	(67.3-67.6)	(67.6-67.9)	(68.1-68.5)	(68.9-69.3)	(70.0-70.6)	(70.3-70.6)	(71.0-71.3)	(71.6-71.9)	(72.0-72.3)	(72.3-72.6)	(72.6-72.9)	(72.8-73.0)	(73.0-73.2)	(73.2-73.4)	(73.8-74.0)	(74.2-74.4)	(74.4-74.5)	(74.4-74.5)	(74.4-74.5)	(72.7-72.8)	(72.6-72.7)	(73.4-73.5)	
	68.8	68.6	68.3	67.9	67.5	66.8	67.2	68.8	69.0	67.8	67.5	67.8	68.2	68.6	69.4	71.0	70.7	71.4	72.1	72.4	72.7	73.0	73.2	73.4	73.6	73.8	74.0	74.1	74.1	74.1	72.9	72.8	73.4	
Timor-Leste	56.6	56.8	57.2	57.4	57.8	58.4	59.0	59.6	60.4	61.2	61.8	62.4	62.9	63.6	64.2	64.6	65.0	65.4	65.8	66.2	66.7	67.2	67.7	68.2	68.7	69.2	69.7	70.2	70.7	71.2	71.7	72.2	72.7	
	(56.0-56.9)	(56.8-57.0)	(57.0-57.8)	(57.8-58.0)	(58.2-58.6)	(59.0-59.4)	(59.6-60.0)	(59.6-60.4)	(60.4-61.2)	(61.2-61.8)	(61.8-62.4)	(62.4-63.0)	(63.0-63.6)	(63.6-64.2)	(64.2-64.6)	(64.6-65.0)	(65.0-65.4)	(65.4-65.8)	(65.8-66.2)	(66.2-66.7)	(66.7-67.2)	(67.2-67.7)	(67.7-68.2)	(68.2-68.7)	(68.7-69.2)	(69.2-69.7)	(69.7-70.2)	(70.2-70.7)	(70.7-71.2)	(71.2-71.7)	(71.7-72.2)	(72.2-72.7)		
	57.0	57.6	58.4	58.6	59.0	59.6	60.1	60.7	61.2	61.8	62.4	63.0	63.6	64.1	64.7	65.3	65.8	66.3	66.8	67.3	67.8	68.3	68.8	69.3	69.8	70.3	70.8	71.3	71.8	72.3	72.8	73.3	73.8	
Viet Nam	64.9	65.1	65.4	65.6	66.0	66.3	66.6	66.9	67.3	67.6	68.0	68.2	68.4	68.6	68.8	69.0	69.1	69.3	69.4	69.5	69.7	69.9	70.1	70.3	70.5	70.7	70.9	71.1	71.3	71.6	70.8	71.5	71.9	
	(64.3-65.4)	(65.0-65.6)	(65.4-65.8)	(65.6-66.0)	(66.0-66.4)	(66.3-66.7)	(66.6-67.0)	(67.0-67.4)	(67.4-67.8)	(67.8-68.2)	(68.2-68.4)	(68.4-68.6)	(68.6-68.8)	(68.8-69.0)	(69.0-69.2)	(69.2-69.4)	(69.4-69.5)	(69.5-69.6)	(69.6-69.7)	(69.7-69.8)	(69.8-69.9)	(69.9-70.1)	(70.1-70.3)	(70.3-70.5)	(70.5-70.7)	(70.7-70.9)	(70.9-71.1)	(71.1-71.3)	(71.3-71.6)	(70.8-71.0)	(71.5-71.9)	(71.9-72.4)		
	65.4	65.8	66.1	66.4	66.7	67.0	67.3	67.6	68.0	68.1	68.5	68.9	69.1	69.3	69.5	69.6	69.9	70.0	70.2	70.3	70.5	70.7	70.9	71.1	71.3	71.5	71.6	71.9	72.1	71.7	72.6	73.2		

Abbreviations: HIC, high income country; UI, uncertainty interval.

Supplementary Table 7. Estimation of the top 10 positive contributors to changes in life expectancy at birth in terms of overall impact in Asian regions and 34 countries and territories.

Region	Top 10 positive contributors to changes in in life expectancy (years)									
	1	2	3	4	5	6	7	8	9	10
Central Asia	1.217	1.111	0.876	0.485	0.244	0.223	0.217	0.191	0.158	0.157
Armenia	2.319	1.056	0.588	0.541	0.401	0.353	0.302	0.296	0.287	0.234
Azerbaijan	2.171	1.295	0.865	0.509	0.222	0.204	0.202	0.201	0.174	0.091
Georgia	3.351	0.857	0.829	0.648	0.205	0.136	0.125	0.115	0.112	0.094
Kazakhstan	1.559	1.096	0.573	0.413	0.383	0.332	0.318	0.314	0.243	0.197
Kyrgyzstan	1.613	1.431	0.642	0.559	0.432	0.402	0.295	0.264	0.243	0.240
Mongolia	2.421	1.516	1.173	1.166	1.027	0.509	0.405	0.322	0.292	0.234
Tajikistan	1.978	1.182	0.279	0.260	0.205	0.191	0.189	0.188	0.187	0.164
Turkmenistan	1.498	1.084	0.746	0.353	0.287	0.253	0.248	0.198	0.163	0.153
Uzbekistan	0.808	0.801	0.498	0.380	0.368	0.214	0.181	0.178	0.169	0.160
East Asia	2.843	1.303	1.106	1.015	0.631	0.616	0.403	0.397	0.370	0.339
China (mainland)	2.899	1.340	1.142	1.043	0.640	0.631	0.411	0.411	0.383	0.333
Democratic People's Republic of Korea	0.659	0.554	0.432	0.216	0.147	0.107	0.105	0.085	0.081	0.065
Taiwan	1.887	0.791	0.656	0.434	0.387	0.318	0.238	0.199	0.187	0.171
HICs of Asia Pacific	1.788	0.852	0.665	0.560	0.482	0.322	0.207	0.178	0.159	0.143
Brunei Darussalam	1.193	0.940	0.432	0.405	0.389	0.291	0.282	0.231	0.198	0.198

Japan	1.380	0.843	0.678	0.567	0.314	0.204	0.153	0.121	0.114	0.109
Republic of Korea	3.586	1.010	0.924	0.918	0.795	0.500	0.369	0.327	0.306	0.305
Singapore	2.145	1.765	0.825	0.711	0.696	0.403	0.325	0.298	0.257	0.204
South Asia	3.154	1.620	1.587	1.104	0.842	0.408	0.352	0.325	0.325	0.256
Bangladesh	2.143	1.853	1.485	1.375	1.301	1.179	0.749	0.555	0.487	0.424
Bhutan	3.085	1.984	1.501	1.427	0.927	0.410	0.404	0.404	0.312	0.291
India	3.557	1.735	1.662	1.045	0.781	0.459	0.307	0.301	0.299	0.256
Nepal	2.176	1.928	1.784	1.647	1.294	0.850	0.716	0.517	0.504	0.424
Pakistan	1.902	1.493	1.023	0.796	0.745	0.311	0.276	0.235	0.232	0.187
Southeast Asia	1.293	1.244	0.968	0.679	0.675	0.367	0.284	0.233	0.223	0.205
Cambodia	2.482	2.197	1.528	1.130	0.808	0.738	0.634	0.541	0.525	0.428
Indonesia	1.897	1.712	0.874	0.643	0.559	0.458	0.416	0.408	0.298	0.267
Lao People's Democratic Republic	4.171	2.695	2.091	1.551	1.419	0.887	0.580	0.541	0.344	0.339
Malaysia	0.954	0.940	0.424	0.382	0.310	0.255	0.211	0.198	0.193	0.148
Maldives	2.733	2.321	1.271	1.038	1.022	0.652	0.358	0.352	0.336	0.302
Mauritius	1.274	0.486	0.403	0.356	0.265	0.250	0.217	0.186	0.172	0.162
Myanmar	2.163	1.761	1.617	1.153	0.684	0.683	0.361	0.338	0.336	0.282
Philippines	0.697	0.637	0.567	0.327	0.239	0.238	0.190	0.132	0.120	0.086
Seychelles	0.845	0.726	0.572	0.393	0.281	0.243	0.236	0.233	0.206	0.151
Sri Lanka	1.147	0.794	0.677	0.606	0.575	0.435	0.376	0.357	0.350	0.308
Thailand	1.172	0.853	0.551	0.534	0.513	0.315	0.276	0.194	0.157	0.117

Timor-Leste	2.251	2.096	1.463	0.872	0.808	0.658	0.639	0.623	0.565	0.545
Viet Nam	1.737	1.254	0.776	0.646	0.423	0.352	0.294	0.246	0.227	0.190

Abbreviations: HIC, high income country.

Estimation decomposed for GBD level-3 cause groups for both sexes.

Supplementary Table 8. Estimation of the top 10 negative contributors to changes in life expectancy at birth in terms of overall impact in Asian regions and 34 countries and territories.

Region	Top 10 negative contributors to changes in life expectancy (years)									
	1	2	3	4	5	6	7	8	9	10
Central Asia	-0.096	-0.048	-0.034	-0.027	-0.017	-0.013	-0.013	-0.012	-0.010	-0.009
Armenia	-0.046	-0.013	-0.009	-0.007	-0.006	-0.006	-0.006	-0.004	-0.004	-0.004
Azerbaijan	-0.171	-0.127	-0.053	-0.047	-0.033	-0.033	-0.029	-0.019	-0.012	-0.005
Georgia	-0.283	-0.187	-0.095	-0.091	-0.089	-0.079	-0.067	-0.059	-0.047	-0.042
Kazakhstan	-0.248	-0.204	-0.113	-0.057	-0.038	-0.015	-0.015	-0.014	-0.013	-0.011
Kyrgyzstan	-0.045	-0.033	-0.020	-0.015	-0.011	-0.011	-0.010	-0.010	-0.009	-0.009
Mongolia	-0.371	-0.042	-0.020	-0.019	-0.015	-0.015	-0.009	-0.007	-0.005	-0.005
Tajikistan	-0.249	-0.232	-0.151	-0.084	-0.055	-0.053	-0.027	-0.016	-0.014	-0.014
Turkmenistan	-0.304	-0.109	-0.103	-0.100	-0.071	-0.058	-0.042	-0.035	-0.028	-0.022
Uzbekistan	-0.328	-0.129	-0.087	-0.073	-0.047	-0.043	-0.032	-0.027	-0.022	-0.020
East Asia	-0.275	-0.037	-0.021	-0.004	-0.004	-0.004	0.000	0.000	0.000	0.000
China (mainland)	-0.284	-0.037	-0.021	-0.004	-0.004	-0.004	0.000	0.000	0.000	0.000
Democratic People's Republic of Korea	-0.129	-0.082	-0.064	-0.059	-0.057	-0.041	-0.040	-0.033	-0.029	-0.028
Taiwan	-0.129	-0.120	-0.111	-0.090	-0.081	-0.056	-0.052	-0.047	-0.042	-0.036
HICs of Asia Pacific	-0.073	-0.073	-0.058	-0.053	-0.042	-0.038	-0.036	-0.019	-0.014	-0.013
Brunei Darussalam	-0.036	-0.025	-0.019	-0.016	-0.011	-0.010	-0.010	-0.006	-0.006	-0.005

Japan	-0.086	-0.084	-0.082	-0.058	-0.047	-0.045	-0.042	-0.022	-0.021	-0.018
Republic of Korea	-0.183	-0.106	-0.082	-0.052	-0.019	-0.014	-0.012	-0.007	-0.006	-0.002
Singapore	-0.077	-0.018	-0.016	-0.011	-0.010	-0.007	-0.006	-0.004	-0.002	-0.002
South Asia	-0.240	-0.061	-0.052	-0.039	-0.037	-0.022	-0.020	-0.019	-0.019	-0.017
Bangladesh	-0.585	-0.085	-0.072	-0.071	-0.053	-0.034	-0.029	-0.028	-0.026	-0.024
Bhutan	-0.128	-0.062	-0.048	-0.042	-0.037	-0.027	-0.025	-0.024	-0.018	-0.018
India	-0.288	-0.056	-0.053	-0.037	-0.028	-0.023	-0.023	-0.017	-0.016	-0.016
Nepal	-0.118	-0.043	-0.035	-0.028	-0.022	-0.019	-0.018	-0.017	-0.016	-0.014
Pakistan	-0.126	-0.116	-0.116	-0.111	-0.069	-0.063	-0.045	-0.031	-0.020	-0.016
Southeast Asia	-0.327	-0.070	-0.065	-0.065	-0.060	-0.056	-0.043	-0.032	-0.023	-0.021
Cambodia	-0.187	-0.121	-0.074	-0.050	-0.043	-0.026	-0.025	-0.015	-0.015	-0.011
Indonesia	-0.611	-0.224	-0.136	-0.100	-0.089	-0.086	-0.081	-0.053	-0.046	-0.045
Lao People's Democratic Republic	-0.271	-0.140	-0.127	-0.103	-0.080	-0.060	-0.056	-0.050	-0.041	-0.029
Malaysia	-0.154	-0.080	-0.062	-0.062	-0.032	-0.024	-0.023	-0.016	-0.014	-0.014
Maldives	-0.386	-0.137	-0.136	-0.092	-0.087	-0.072	-0.060	-0.060	-0.049	-0.039
Mauritius	-0.171	-0.148	-0.115	-0.078	-0.063	-0.061	-0.060	-0.056	-0.054	-0.041
Myanmar	-0.444	-0.119	-0.079	-0.073	-0.052	-0.046	-0.021	-0.021	-0.019	-0.016
Philippines	-0.312	-0.222	-0.098	-0.086	-0.075	-0.031	-0.029	-0.029	-0.022	-0.021
Seychelles	-0.287	-0.101	-0.092	-0.087	-0.082	-0.079	-0.040	-0.033	-0.025	-0.020
Sri Lanka	-0.135	-0.105	-0.104	-0.077	-0.067	-0.042	-0.026	-0.025	-0.024	-0.023
Thailand	-0.197	-0.127	-0.097	-0.066	-0.037	-0.024	-0.019	-0.017	-0.016	-0.013

Timor-Leste	-0.190	-0.180	-0.113	-0.106	-0.101	-0.045	-0.041	-0.040	-0.029	-0.018
Viet Nam	-0.204	-0.145	-0.128	-0.079	-0.076	-0.076	-0.066	-0.034	-0.031	-0.027

Abbreviations: HIC, high income country.

Estimation decomposed for GBD level-3 cause groups for both sexes.

Supplementary Table 9. Checklist of information that should be included in new reports of global health estimates

Item #	Checklist item	Reported on page #
Objective and finding		
1	Define the indicator(s), populations (including age, sex, and geographic entities), and time period(s) for which estimates were made.	Introduction and Methods
2	List the funding sources for the work.	Introduction and Methods
Data inputs		
<i>For all data inputs from multiple sources that are synthesized as part of the study:</i>		
3	Describe how the data were identified and how the data were accessed.	Methods
4	Specify the inclusion and exclusion criteria. Identify all ad-hoc exclusions.	Methods
5	Provide information on all included data sources and their main characteristics. For each data source used, report reference information or contact name/institution, population represented, data collection method, year(s) of data collection, sex and age range, diagnostic criteria or measurement method, and sample size, as relevant.	Methods
6	Identify and describe any categories of input data that have potentially important biases (e.g., based on characteristics listed in item 5).	Methods
<i>For data inputs that contribute to the analysis but were not synthesized as part of the study:</i>		
7	Describe and give sources for any other data inputs.	Methods
<i>For all data inputs:</i>		
8	Provide all data inputs in a file format from which data can be efficiently extracted (e.g., a spreadsheet rather than a PDF), including all relevant meta-data listed in item 5. For any data inputs that cannot be shared because of ethical or legal reasons, such as third-party ownership, provide a contact name or the name of the institution that retains the right to the data.	Methods
Data analysis		
9	Provide a conceptual overview of the data analysis method. A diagram may be helpful.	Methods
10	Provide a detailed description of all steps of the analysis, including mathematical formulae. This description should cover, as relevant, data cleaning, data pre-processing, data adjustments and weighting of data sources, and mathematical or statistical model(s).	Methods
11	Describe how candidate models were evaluated and how the final model(s) were selected.	Methods
12	Provide the results of an evaluation of model performance, if done, as well as the results of any relevant sensitivity analysis.	Methods
13	Describe methods for calculating uncertainty of the estimates. State which sources of uncertainty were, and were not, accounted for in the uncertainty analysis.	Methods
14	State how analytic or statistical source code used to generate estimates can be accessed.	Methods
Results and Discussion		
15	Provide published estimates in a file format from which data can be efficiently extracted.	Results and Discussion
16	Report a quantitative measure of the uncertainty of the estimates (e.g. uncertainty intervals).	Results and Discussion
17	Interpret results in light of existing evidence. If updating a previous set of estimates, describe the reasons for changes in estimates.	Results and Discussion
18	Discuss limitations of the estimates. Include a discussion of any modelling assumptions or data limitations that affect interpretation of the estimates.	Discussion

This checklist should be used in conjunction with the GATHER statement and Explanation and Elaboration document, found on gather-statement.org

Supplementary Table 10. Categorization of countries and territories according to GBD Asian regions.

Region	Country or territory
Central Asia	Armenia, Azerbaijan, Georgia, Kazakhstan, Kyrgyzstan, Mongolia, Tajikistan, Turkmenistan, Uzbekistan
East Asia	China (mainland), Democratic People's Republic of Korea, Taiwan
HICs of Aisa Pacific	Brunei Darussalam, Japan, Republic of Korea, Singapore
South Asia	Bangladesh, Bhutan, India, Nepal, Pakistan
Southeast Asia	Cambodia, Indonesia, Lao People's Democratic Republic, Malaysia, Maldives, Mauritius, Myanmar, Philippines, Seychelles, Sri Lanka, Thailand, Timor-Leste, Viet Nam

HIC, high income country.

3. Author contributions by the GBD 2023 Asia Life Expectancy Collaborators

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Providing data or critical feedback on data sources

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