

Figure 2: Performance of the HAQ Index and 25 individual causes by the fourth SDI quartile (A), third SDI quartile (B), second SDI quartile (C), and first SDI quartile (D) in 2015. In addition to the HAQ Index, all causes presented in this figure are scaled 0 to 100, with 100 being the "best" value (ie, lowest observed age-standardised risk-standardised mortality rate by cause) and 0 being the "worst value" (ie, highest observed age-standardised risk-standardised mortality rate by cause) between 1990 and 2015. Within each SDI quartile, countries and geographies are ordered by their HAQ Index in 2015. HAQ Index=Healthcare Access and Quality Index. SDI=Socio-demographic Index.

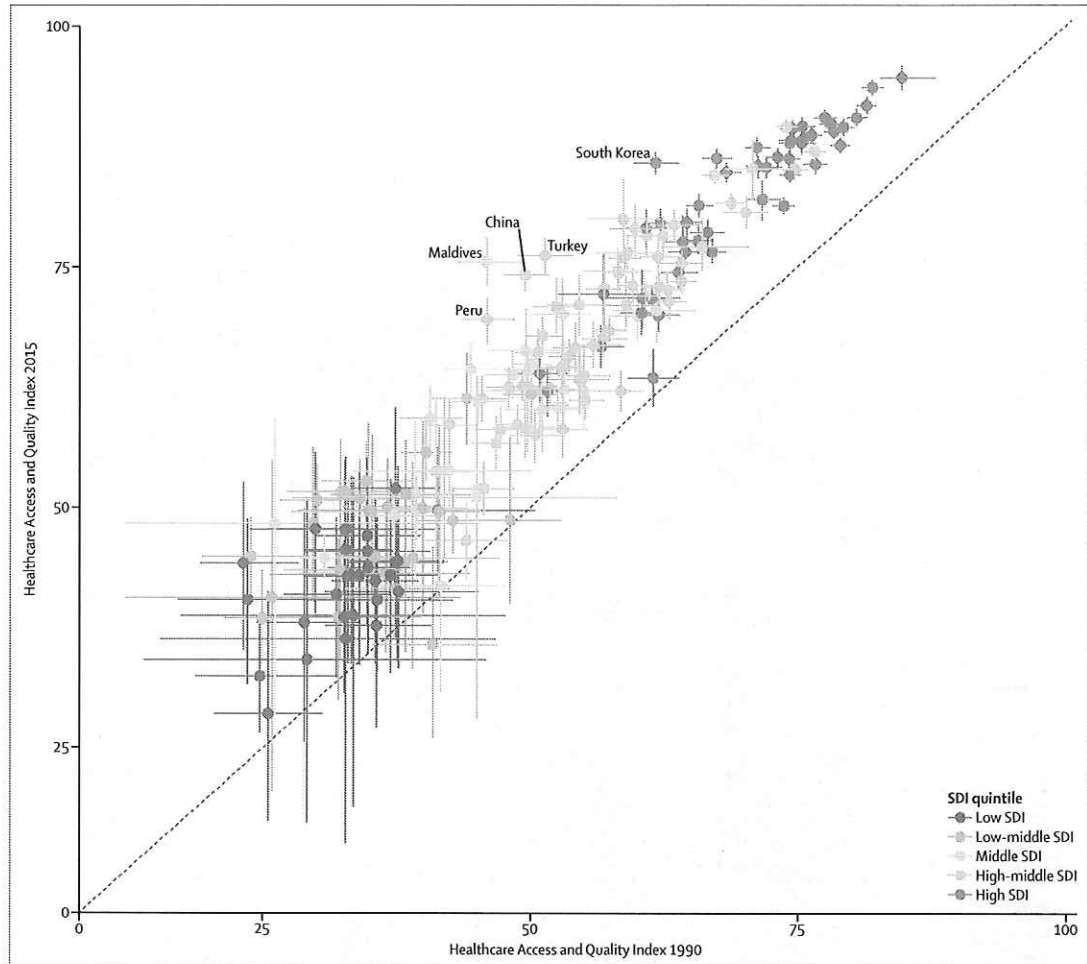


Figure 3: Comparison of 1990 and 2015 HAQ Index estimates, with uncertainty, by country or territory

Geographies with the largest improvement in the HAQ Index from 1990 to 2015 are labelled. All countries and territories are colour-coded by SDI quintile in 2015. HAQ Index=Healthcare Access and Quality Index. SDI=Socio-demographic Index.

several countries in Latin America and the Caribbean were in the first decile. By 2015, nearly all countries and territories saw increases in their HAQ Index, yet the gap between the highest and lowest HAQ Index levels was wider in 2015 (66.0) than in 1990 (61.6). The tenth decile included many countries in western Europe, Canada, Japan, and Australia, while the UK and the USA were in the ninth decile. Latin America and the Caribbean had varied HAQ Index levels, spanning from Haiti (first decile) to Chile (seventh decile). By 2015, Vietnam and Malaysia reached the sixth decile; China and Thailand rose to the seventh decile; and Turkey and several countries in the Middle East and Eastern Europe improved to the eighth decile. In sub-Saharan Africa, Cape Verde (fifth decile), Namibia, South Africa, Gabon, and Mauritania (fourth decile) had the highest HAQ Index levels in 2015, rising from their positions since 1990. At the same time, many sub-Saharan African

countries remained in the first decile in 2015, including the Democratic Republic of the Congo, Niger, and Zambia. In Asia and the Pacific, a number of countries also experienced relatively low HAQ Index levels: Afghanistan and Papua New Guinea (first decile); Pakistan and India (second decile); and Indonesia, Cambodia, and Myanmar (third decile).

Comparing the overall HAQ Index with its component parts showed substantial heterogeneity in 2015, even within similar SDI quartiles (figure 2). Within the fourth SDI quartile, most geographies performed well on several vaccine-preventable diseases, including measles, diphtheria, tetanus, and whooping cough, yet some experienced lower values for communicable conditions such as lower respiratory infections. Geographies in the fourth SDI quartile generally performed worse for cancers, but many recorded values exceeding 90 for cervical and uterine cancers. Nearly all geographies in the fourth SDI quartile

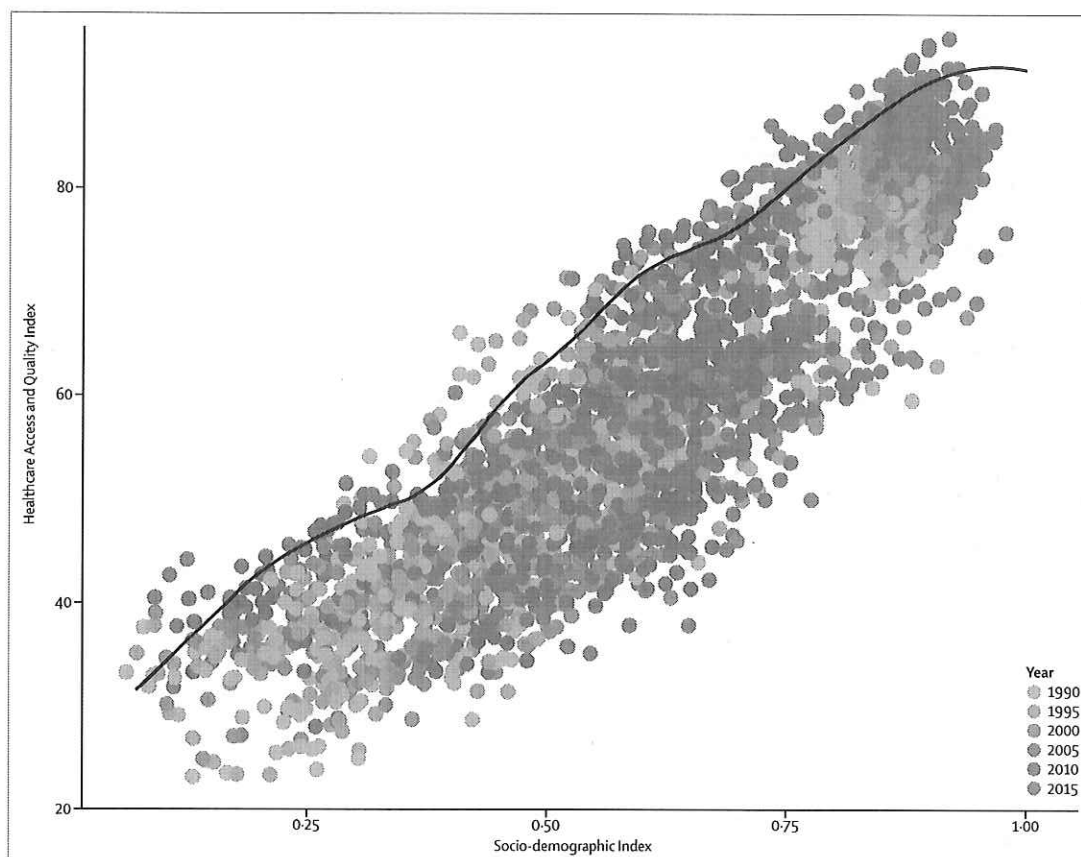


Figure 4: Defining the HAQ Index frontier on the basis of SDI

Each circle represents the HAQ Index and level of SDI for a given geography-year, and circles are colour-coded by year from 1990 to 2015. The black line represents the HAQ Index frontier, or the highest observed HAQ Index value, at a given level of SDI across years. HAQ Index=Healthcare Access and Quality Index. SDI=Socio-demographic Index.

surpassed 90 for maternal disorders, while geographies in the third and second SDI quartiles showed far more diverse results. A similar pattern emerged in causes for which routine surgeries can easily avert mortality (eg, appendicitis and hernias) among third and second SDI quartile geographies, with some countries performing fairly well for such causes (eg, China, Turkey, Sri Lanka) while others lagged behind (eg, Mexico, Indonesia, South Africa). Many geographies in the third and second SDI quartiles not only had fairly low values for NCDs such as diabetes, chronic kidney disease, and hypertensive heart disease, but also fared poorly on a subset of infectious diseases (ie, tuberculosis, lower respiratory infections, and diarrhoeal diseases) and neonatal disorders. In the first SDI quartile, neonatal and maternal disorders, tuberculosis, lower respiratory infections, and diarrhoeal diseases often led to the lowest scaled values, while most geographies experienced relatively better performances for a subset of cancers. Notably, several countries in the first SDI quartile recorded fairly high values for vaccine-preventable diseases. By contrast, nearly all of these

countries and territories saw values lower than 50 for causes associated with routine surgeries and more complex case management (eg, epilepsy, diabetes, and chronic kidney disease).

For nearly all countries and territories, the HAQ Index has markedly improved since 1990, with 167 recording statistically significant increases by 2015 (figure 3). Because of incomplete data systems, uncertainty bounds were relatively large for lower-SDI countries, whereas uncertainty for higher-SDI countries—places where data systems are more complete and of high quality—was much smaller. Five countries with the largest significant increases for the HAQ Index were South Korea (high SDI), Turkey and Peru (high-middle SDI), and China and the Maldives (middle SDI). Among low-middle-SDI and low-SDI countries, Laos and Ethiopia saw among the greatest improvements in the HAQ Index; however, these gains were less pronounced due to wide uncertainty bounds.

Based on a frontier analysis, we found that, as SDI increases, the highest observed HAQ Index values also

	HAQ Index (95% UI)						HAQ Index frontier		Difference between observed and frontier HAQ Index values	
	1990	1995	2000	2005	2010	2015	1990	2015	1990	2015
Global	40.7 39.0-42.8	42.7 41.0-44.5	44.8 43.2-46.7	47.8 46.3-49.6	51.0 49.5-52.7	53.7 52.2-55.4	61.9	73.8	21.2	20.1
Southeast Asia, east Asia, and Oceania	44.8 42.8-47.1	48.1 46.1-50.3	51.1 49.3-53.0	55.4 53.7-57.3	60.0 58.3-61.7	63.5 61.7-65.4	57.6	75.0	12.8	11.5
East Asia	49.5 47.5-51.9	53.8 51.8-55.9	57.8 56.0-59.7	63.6 61.8-65.4	69.7 68.0-71.3	73.8 72.2-75.4	57.1	75.4	7.6	1.6
China	49.5 47.4-51.8	53.7 51.7-55.9	57.8 55.9-59.7	63.7 61.9-65.6	69.9 68.2-71.5	74.2 72.5-75.8	56.2	75.4*	6.7	1.2
North Korea	53.1 46.2-59.8	55.8 49.5-61.6	56.0 50.2-61.6	57.5 52.8-62.3	60.4 56.0-64.6	62.3 57.2-67.1	70.6	69.1	17.5	6.9
Taiwan	64.2 62.5-66.4	66.8 65.1-68.8	70.1 68.5-71.9	73.6 72.1-75.4	77.1 75.6-78.6	77.6 74.7-80.4	76.8	88.6	12.6	11.0
Southeast Asia	38.6 35.8-41.4	40.9 38.4-43.4	43.0 40.7-45.4	46.0 43.7-48.5	49.4 47.1-51.8	52.1 49.5-54.7	59.0	74.0	20.4	21.9
Cambodia	30.0 26.5-33.6	31.3 28.1-34.9	34.1 30.8-37.4	40.7 37.6-44.0	45.5 42.2-48.5	50.7 47.2-54.6	45.4	62.3	15.3	11.6
Indonesia	37.2 33.4-41.4	39.7 36.3-43.7	41.3 38.3-44.5	43.8 40.9-46.7	46.8 43.7-49.9	49.2 45.3-52.9	60.6	74.4	23.4	25.2
Laos	23.8 19.1-29.3	25.7 21.5-30.4	28.7 25.0-32.7	33.6 30.4-36.9	39.6 36.4-42.8	44.9 40.7-48.9	46.3	63.9	22.5	19.0
Malaysia	54.2 52.2-56.5	57.2 55.3-59.2	60.3 58.5-62.1	63.2 61.5-64.9	63.9 62.3-65.7	66.6 64.1-69.2	69.3	81.5	15.1	14.9
Maldives	45.9 43.3-49.2	51.6 49.4-54.3	59.3 57.3-61.3	67.1 65.4-69.0	72.9 71.1-74.6	75.5 73.0-78.0	50.1	73.2*	4.3	..
Mauritius	53.6 51.6-56.1	57.3 55.6-59.1	59.8 58.2-61.8	61.8 60.1-63.5	63.3 61.6-65.1	65.7 64.0-67.5	68.6	79.0	15.0	13.3
Myanmar	29.7 22.4-37.5	31.6 23.9-39.5	34.7 26.9-43.1	39.5 31.6-48.1	44.4 36.2-52.6	48.4 40.3-56.3	45.8	64.9	16.1	16.5
Philippines	45.0 43.2-47.1	46.1 44.3-48.2	47.5 45.7-49.5	47.6 45.8-49.6	49.6 47.8-51.5	52.0 49.9-54.2	63.8	74.1	18.8	22.1
Sri Lanka	56.9 55.2-58.5	59.5 57.5-61.3	60.4 58.3-62.2	63.8 62.0-65.4	68.9 67.5-70.3	72.8 69.5-76.0	66.3	76.8	9.4	4.1
Seychelles	50.7 48.6-53.2	55.1 52.9-57.4	58.5 56.4-60.6	61.1 59.1-63.1	63.9 61.7-65.7	66.1 63.6-68.5	72.2	80.9	21.5	14.8
Thailand	52.4 50.1-54.9	55.9 53.7-58.1	59.3 57.3-61.6	64.8 62.6-67.0	68.4 66.1-70.5	70.8 68.0-73.8	66.5	76.8	14.1	5.9
Timor-Leste	32.2 27.2-39.6	35.4 30.9-41.3	38.2 33.7-45.2	42.6 38.7-48.1	48.4 44.4-53.2	51.6 46.9-57.0	46.6	59.1	14.3	7.5
Vietnam	49.5 45.8-54.0	52.4 48.8-56.9	55.8 52.7-59.2	59.6 55.4-64.2	63.0 58.5-67.7	66.3 62.1-70.6	52.2*	73.5	2.7	7.2
Oceania	33.8 28.4-39.8	34.8 29.1-40.7	35.4 29.8-41.7	36.1 30.0-42.6	37.7 31.4-43.9	40.3 33.5-46.4	51.3	62.9	17.5	22.7
American Samoa	54.6 51.8-57.5	55.6 52.4-58.6	60.2 57.7-62.8	61.7 59.0-64.2	63.1 60.5-65.7	63.3 59.8-66.7	74.0	77.4	19.4	14.1
Federated States of Micronesia	41.1 33.4-50.2	43.6 35.9-51.9	46.8 38.3-54.9	49.8 40.9-57.6	51.5 42.0-59.2	53.8 44.5-61.5	62.5	73.3	21.5	19.5
Fiji	43.9 40.1-47.8	44.1 40.6-47.7	44.7 41.7-47.7	45.0 41.9-48.1	45.4 42.0-48.9	46.6 42.5-50.6	69.2	76.1	25.3	29.6
Guam	61.5 59.1-64.0	63.6 61.3-66.0	67.0 64.9-69.2	66.4 64.1-68.5	63.7 61.4-65.9	63.4 60.5-66.5	81.7	89.8	20.2	26.3
Kiribati	35.4 31.8-39.3	36.5 33.0-40.0	39.7 36.3-43.4	41.1 37.0-44.6	43.6 39.0-47.7	44.9 40.0-49.7	53.3	61.7	17.9	16.8
Marshall Islands	41.2 37.4-45.2	43.2 39.3-47.1	43.2 39.0-48.1	44.3 40.2-48.6	46.8 42.3-51.4	49.8 45.7-54.2	56.8	71.4	15.7	21.7
Northern Mariana Islands	60.5 56.7-64.0	65.5 62.7-68.6	68.9 66.6-71.2	71.4 69.4-73.3	72.7 70.6-75.0	71.8 68.6-74.7	82.2	87.0	21.7	15.3

(Table 3 continues on next page)

	HAQ Index (95% UI)						HAQ Index frontier		Difference between observed and frontier HAQ Index values	
	1990	1995	2000	2005	2010	2015	1990	2015	1990	2015
(Continued from previous page)										
Papua New Guinea	32.0 24.9-39.7	33.0 25.7-40.7	33.4 26.2-41.6	34.0 26.5-42.7	35.8 27.7-43.7	38.6 29.9-46.6	48.7	58.8	16.7	20.2
Samoa	50.9 45.4-55.4	53.6 48.3-58.6	56.5 51.8-62.1	58.6 54.5-63.5	60.7 56.9-65.1	62.1 57.6-66.8	63.4	73.8	12.4	11.7
Solomon Islands	33.4 25.5-41.6	35.7 27.6-44.3	38.3 30.3-46.6	38.0 30.0-46.6	40.1 31.7-48.8	43.1 34.5-51.8	48.5	60.2	15.1	17.1
Tonga	55.0 50.9-58.6	56.3 53.0-59.4	57.3 54.3-60.2	58.4 55.2-61.2	60.1 56.7-63.4	62.1 58.0-65.6	63.8	73.2	8.8	11.1
Vanuatu	36.4 28.3-44.3	37.4 28.5-46.3	38.3 30.0-47.4	38.4 30.4-46.1	41.1 32.7-49.0	43.1 34.9-50.2	52.8	66.4	16.3	23.2
Central Europe, eastern Europe, and central Asia	57.5 56.2-59.0	55.9 54.5-57.5	58.4 57.1-60.0	60.8 59.4-62.4	65.4 64.1-66.8	68.5 67.3-69.9	76.7	85.3	19.2	16.7
Central Asia	50.7 49.2-52.5	49.2 47.6-51.0	50.7 48.9-52.6	52.4 50.8-54.3	56.6 55.0-58.4	59.9 58.4-61.6	72.3	78.2	21.6	18.3
Armenia	56.8 54.8-59.1	55.6 53.5-58.0	59.0 56.9-61.5	60.0 57.9-62.6	63.7 61.7-66.2	67.5 65.5-70.0	71.7	80.6	14.9	13.1
Azerbaijan	52.9 50.8-55.1	51.8 49.7-54.0	53.6 51.4-55.6	55.4 53.5-57.5	59.9 57.9-62.1	64.5 62.6-66.5	74.0	83.3	21.1	18.8
Georgia	58.4 56.4-60.6	60.2 58.0-62.2	60.9 58.4-63.0	60.7 58.7-62.6	60.8 58.8-62.9	62.1 60.0-64.2	76.1	81.1	17.7	19.1
Kazakhstan	55.1 53.5-56.9	49.9 48.2-51.9	51.3 49.6-53.3	51.9 50.1-54.0	57.9 56.3-59.8	61.1 59.2-63.3	75.5	84.7	20.4	23.6
Kyrgyzstan	52.5 50.6-54.5	51.7 49.8-53.9	52.4 50.6-54.5	54.6 52.6-56.6	57.7 55.9-59.6	60.4 58.4-62.2	71.5	73.6	19.0	13.2
Mongolia	42.3 39.8-45.0	42.1 39.7-44.9	44.7 42.3-47.4	50.9 47.6-53.5	54.9 51.1-57.4	58.5 54.8-61.2	64.4	76.8	22.1	18.3
Tajikistan	48.7 46.8-51.2	48.1 45.8-50.3	48.6 46.4-51.2	51.7 49.7-54.1	55.4 53.4-57.8	58.6 56.7-60.7	63.8	70.0	15.1	11.4
Turkmenistan	47.1 44.8-49.5	47.7 45.4-50.1	48.8 46.5-51.1	51.1 48.8-53.7	54.5 52.4-57.0	58.1 56.0-60.4	71.7	82.6	24.6	24.6
Uzbekistan	51.9 49.9-54.1	51.7 49.5-53.9	54.0 51.9-56.2	56.1 53.9-58.4	59.2 57.1-61.6	62.3 60.2-64.5	67.1	76.5	15.3	14.2
Central Europe	60.6 59.3-62.2	63.4 62.1-64.8	67.5 66.2-68.8	70.5 69.3-71.8	73.8 72.6-74.9	77.1 76.0-78.2	76.2	86.4	15.6	9.3
Albania	62.4 60.6-64.2	65.1 63.3-67.0	68.5 66.7-70.4	71.6 69.7-73.4	75.3 73.1-77.2	78.2 76.0-80.2	69.7	79.1*	7.3	0.9
Bosnia and Herzegovina	60.9 59.2-62.9	62.1 60.4-64.0	68.8 67.1-70.5	72.1 70.2-73.6	75.3 73.0-76.9	78.2 75.9-79.9	62.5*	79.3*	1.6	1.0
Bulgaria	63.0 61.7-64.5	63.2 61.9-64.7	64.8 63.5-66.3	66.7 65.3-68.2	67.9 66.4-69.3	71.4 69.6-73.1	76.6	84.8	13.6	13.5
Croatia	68.8 67.5-70.0	70.4 69.2-71.8	73.4 72.2-74.6	76.8 75.6-77.9	78.9 77.9-80.0	81.6 80.5-82.7	75.0	82.9	6.2	1.2
Czech Republic	68.3 67.1-69.7	73.2 72.1-74.3	77.1 75.8-78.1	79.2 78.0-80.3	81.8 80.9-82.8	84.8 83.9-85.7	83.0	90.2	14.7	5.3
Hungary	64.6 63.4-66.0	67.2 66.0-68.5	71.0 69.9-72.2	73.7 72.6-74.8	76.1 75.1-77.2	79.6 78.2-81.0	78.4	87.6	13.8	8.0
Macedonia	61.9 60.3-63.9	63.4 61.9-65.3	67.0 65.7-68.5	69.9 68.4-71.3	74.2 72.7-75.5	76.0 73.8-78.0	74.1	81.1	12.2	5.1
Montenegro	70.2 68.0-72.2	70.2 68.7-71.9	69.9 68.3-71.4	74.4 73.0-75.8	78.2 76.9-79.6	80.7 79.0-82.3	75.8	84.0	5.6	3.3
Poland	62.1 60.8-63.6	65.4 64.2-66.8	70.8 69.5-72.0	73.8 72.4-75.0	76.3 75.1-77.5	79.6 78.2-81.0	76.8	88.8	14.7	9.2
Romania	58.3 56.8-60.0	60.0 58.6-61.6	64.2 62.8-65.7	67.2 65.6-68.6	71.1 69.7-72.5	74.4 72.7-76.0	76.1	84.0	17.8	9.6

(Table 3 continues on next page)

	HAQ Index (95% UI)						HAQ Index frontier		Difference between observed and frontier HAQ Index values	
	1990	1995	2000	2005	2010	2015	1990	2015	1990	2015
(Continued from previous page)										
Serbia	64.2 62.1-66.4	64.4 62.8-66.3	66.6 65.1-68.3	69.4 67.9-71.0	73.1 71.8-74.3	75.4 74.2-76.7	74.4	81.9	10.2	6.5
Slovakia	66.6 65.0-68.2	69.4 67.8-70.9	70.8 69.2-72.2	72.2 70.7-73.6	74.9 73.6-76.2	77.3 77.3-79.9	77.3	88.5	10.7	9.9
Slovenia	71.2 70.1-72.4	72.8 71.6-74.2	76.4 75.3-77.5	79.8 78.8-80.8	84.3 83.4-85.3	87.4 86.5-88.4	80.4	88.0*	9.2	0.6
Eastern Europe	61.7 60.4-63.1	58.2 56.7-59.8	60.4 59.0-62.0	63.4 61.9-65.0	68.9 67.7-70.2	71.9 70.6-73.2	79.4	87.2	17.7	15.3
Belarus	63.9 62.1-65.7	63.2 61.4-65.1	65.6 63.4-67.4	68.0 66.0-69.7	71.7 70.2-73.3	74.4 72.8-76.1	75.8	87.4	11.9	13.0
Estonia	65.8 64.5-67.2	62.5 61.0-64.1	67.4 66.0-68.9	71.4 70.1-72.8	77.5 76.4-78.6	81.4 80.1-82.6	77.3	88.3	11.5	6.9
Latvia	65.7 64.5-67.1	62.4 61.0-64.0	68.7 67.5-70.1	70.7 69.4-72.0	74.4 73.2-75.7	77.7 76.3-79.3	79.0	88.4	13.2	10.6
Lithuania	67.0 65.8-68.3	64.2 62.8-65.6	69.6 68.5-71.0	70.2 69.0-71.6	73.6 72.5-74.9	76.6 75.5-77.9	77.6	87.0	10.6	10.4
Moldova	59.6 58.1-61.4	56.0 54.3-57.9	60.8 59.0-62.5	64.8 62.9-66.7	66.8 65.1-68.4	73.1 71.2-74.9	72.8	76.7	13.2	3.6
Russia	61.4 60.0-62.9	57.6 56.1-59.4	59.7 58.3-61.3	62.9 61.4-64.6	68.5 67.1-69.9	71.7 70.3-73.1	81.1	88.1	19.8	16.4
Ukraine	62.8 61.3-64.5	59.4 57.8-61.2	62.0 60.6-63.8	64.4 62.9-66.1	70.5 69.2-72.0	72.7 70.8-74.5	76.7	85.0	13.9	12.4
High-income	71.1 70.2-72.2	74.6 73.6-75.6	77.2 76.3-78.2	79.6 78.8-80.5	81.6 80.8-82.4	83.1 82.3-83.8	83.3	90.0	12.2	7.0
High-income Asia Pacific	72.6 71.3-73.8	77.2 76.2-78.3	79.8 78.8-80.8	83.3 82.4-84.2	86.0 85.2-86.8	87.4 86.7-88.2	82.6	90.0	10.0	2.6
Brunei	62.0 60.1-64.0	64.3 62.4-66.2	66.7 65.1-68.6	68.6 67.0-70.3	69.5 68.0-71.2	70.0 68.3-71.8	83.0	91.3	21.0	21.3
Japan	78.3 77.4-79.2	80.7 79.8-81.6	82.9 82.1-83.7	85.6 84.9-86.3	87.8 87.2-88.6	89.0 88.3-89.8	84.5	90.4	6.2	1.3
South Korea	61.7 59.6-63.9	70.5 69.0-72.2	74.6 73.4-76.0	80.4 79.3-81.6	83.9 82.9-84.9	85.8 84.7-87.0	77.3	89.0	15.6	3.2
Singapore	67.4 66.2-68.8	72.8 71.6-74.1	77.3 76.2-78.5	80.8 79.8-81.9	84.2 83.3-85.1	86.3 85.3-87.3	77.3	89.6	9.9	3.3
Australasia	77.2 76.2-78.2	80.1 79.2-81.1	82.9 82.1-83.8	85.3 84.6-86.1	87.4 86.7-88.1	89.1 88.4-89.8	84.5	90.8	7.3	1.7
Australia	78.0 77.0-79.1	80.8 79.8-81.8	83.7 82.9-84.6	86.2 85.4-86.9	88.2 87.5-88.9	89.8 89.1-90.6	84.7	91.0	6.7	1.1
New Zealand	74.2 73.2-75.2	77.6 76.6-78.6	80.0 79.2-80.9	82.5 81.7-83.4	84.2 83.4-85.0	86.2 85.4-87.2	83.4	89.9	9.2	3.6
Western Europe	73.2 72.3-74.2	76.8 76.0-77.8	79.9 79.0-80.8	82.9 82.1-83.7	84.9 84.2-85.6	86.8 86.0-87.5	80.9	88.8	7.7	2.1
Andorra	84.7 82.7-87.9	88.0 86.0-92.2	91.1 89.4-93.5	92.6 91.1-94.4	94.0 92.5-95.5	94.6 93.3-96.0	85.8*	91.2*	1.1	..
Austria	74.4 73.2-75.5	78.2 77.1-79.2	81.6 80.7-82.5	84.2 83.4-85.0	86.1 85.3-86.9	88.2 87.3-89.0	83.2	90.0	8.8	1.8
Belgium	75.4 74.3-76.6	78.8 77.9-79.8	81.6 80.6-82.6	84.6 83.6-85.4	86.3 85.4-87.1	87.9 86.8-88.8	82.6	89.6	7.2	1.8
Cyprus	72.0 70.6-73.5	73.4 72.2-74.7	76.4 75.0-77.5	79.2 78.1-80.3	82.6 81.6-83.7	85.3 84.2-86.4	78.2	89.5	6.1	4.2
Denmark	76.6 75.5-77.7	77.2 76.1-78.2	79.5 78.4-80.5	81.9 81.0-82.8	83.6 82.7-84.6	85.7 84.7-86.7	85.6	90.9	9.0	5.2
Finland	75.4 74.3-76.6	78.8 77.8-79.9	82.0 81.0-82.9	84.5 83.5-85.3	87.2 86.4-88.1	89.6 88.6-90.5	83.0	90.2*	7.6	0.6
France	74.3 73.2-75.4	77.5 76.5-78.5	80.3 79.4-81.3	84.2 83.4-85.1	85.7 84.9-86.5	87.9 86.9-88.9	79.0	86.7*	4.8	..

(Table 3 continues on next page)

	HAQ Index (95% UI)						HAQ Index frontier		Difference between observed and frontier HAQ Index values	
	1990	1995	2000	2005	2010	2015	1990	2015	1990	2015
(Continued from previous page)										
Germany	73.1 72.0-74.3	77.1 76.1-78.2	80.6 79.4-81.6	83.2 82.0-84.1	84.9 83.9-85.7	86.4 85.4-87.3	83.5	90.6	10.4	4.3
Greece	76.5 75.6-77.6	79.5 78.7-80.5	82.2 81.4-83.0	84.4 83.6-85.2	85.2 84.4-86.0	87.0 86.1-87.9	77.0*	85.9*	0.5	..
Iceland	81.9 81.0-83.0	84.2 83.3-85.2	87.1 86.1-88.0	89.8 88.9-90.6	92.1 91.2-92.8	93.6 92.9-94.4	83.1	90.3*	1.2	..
Ireland	75.6 74.5-76.7	78.4 77.3-79.5	79.6 78.5-80.7	83.5 82.6-84.4	86.0 85.2-86.9	88.4 87.5-89.3	79.0	90.0	3.3	1.6
Israel	71.3 70.2-72.5	74.3 73.2-75.3	77.5 76.2-78.6	80.3 79.0-81.4	83.7 82.5-84.6	85.5 84.2-86.5	80.3	87.1	9.0	1.6
Italy	76.2 75.3-77.2	79.1 78.2-80.0	82.5 81.7-83.4	85.5 84.7-86.3	87.5 86.8-88.2	88.7 87.8-89.6	81.8	88.1*	5.5	..
Luxembourg	74.5 73.4-75.7	78.8 77.9-79.9	82.2 81.3-83.1	84.9 84.1-85.8	87.5 86.6-88.3	89.3 88.4-90.2	83.6	90.9	9.1	1.6
Malta	74.7 73.5-76.0	76.8 75.6-78.0	78.9 77.8-80.1	81.4 80.3-82.6	82.9 81.8-83.9	85.1 84.0-86.1	74.9*	84.5*	0.1	..
Netherlands	79.2 78.2-80.2	80.8 79.7-81.8	82.1 81.0-83.1	85.1 84.1-86.0	88.2 87.4-88.9	89.5 88.6-90.4	83.2	90.3*	4.0	0.8
Norway	77.5 76.5-78.6	81.0 80.1-82.0	82.8 81.8-83.7	85.9 85.1-86.8	88.0 87.2-88.9	90.5 89.6-91.4	85.9	91.6	8.4	1.1
Portugal	67.2 66.1-68.6	71.5 70.4-72.7	74.7 73.7-75.8	79.7 78.7-80.7	81.9 81.1-82.9	84.5 83.6-85.5	71.4	80.5*	4.1	..
Spain	73.9 73.0-75.0	78.1 77.3-79.0	81.4 80.6-82.3	84.1 83.4-84.9	87.2 86.5-87.8	89.6 88.8-90.3	74.7*	85.7*	0.8	..
Sweden	80.4 79.5-81.4	83.9 83.0-84.8	85.7 84.9-86.6	87.0 86.2-87.9	88.7 87.9-89.7	90.5 89.6-91.4	82.9	90.2*	2.4	..
Switzerland	81.4 80.5-82.3	83.4 82.6-84.3	85.4 84.7-86.2	88.2 87.5-88.9	90.1 89.5-90.8	91.8 90.9-92.6	86.4	91.4*	5.0	..
UK	74.3 73.2-75.3	76.6 75.7-77.6	78.4 77.5-79.3	80.6 79.8-81.4	82.7 82.0-83.5	84.6 83.8-85.4	83.4	90.3	9.2	5.7
Southern Latin America	57.6 56.3-59.3	61.1 59.8-62.6	64.7 63.3-66.1	66.7 65.4-68.1	68.1 66.9-69.4	70.0 68.8-71.3	73.4	82.6	15.7	12.5
Argentina	57.4 56.0-59.1	60.3 59.0-61.9	63.5 62.1-65.0	65.3 64.0-66.8	66.6 65.3-67.9	68.4 67.1-69.7	73.3	81.9	15.9	13.5
Chile	58.8 57.4-60.4	64.2 62.7-65.6	69.2 67.7-70.5	72.0 70.5-73.3	73.9 72.6-75.1	76.0 74.5-77.4	73.8	84.5	15.0	8.5
Uruguay	60.8 59.4-62.2	63.1 61.9-64.6	67.1 65.7-68.4	68.7 67.4-70.0	70.6 69.2-71.9	72.0 70.5-73.5	72.5	79.7	11.7	7.7
High-income North America	74.0 73.0-75.1	76.3 75.3-77.3	78.1 77.3-79.0	79.2 78.3-80.1	80.9 80.1-81.7	81.8 81.0-82.7	88.5	91.5	14.4	9.7
Canada	78.9 78.0-79.9	80.7 79.8-81.6	83.2 82.2-84.0	84.7 83.9-85.5	86.3 85.5-87.1	87.6 86.8-88.5	88.1	91.6	9.2	4.0
Greenland	59.0 56.5-62.0	62.3 59.8-65.2	64.3 62.0-67.5	65.8 63.5-68.9	68.1 66.0-71.3	71.0 68.7-74.1	72.5	81.0	13.6	10.0
USA	73.7 72.7-74.8	76.0 75.0-77.0	77.8 76.9-78.7	78.8 77.9-79.7	80.5 79.6-81.3	81.3 80.5-82.2	88.5	91.5	14.8	10.2
Latin America and Caribbean	46.5 44.9-48.5	50.8 49.2-52.6	54.6 53.0-56.4	57.4 55.8-59.1	59.6 58.0-61.3	61.9 60.4-63.5	65.4	75.3	18.9	13.4
Caribbean	42.4 40.2-44.9	45.9 43.9-48.1	48.8 46.6-51.0	50.8 48.6-53.3	52.3 49.9-54.7	54.5 51.9-57.2	68.5	74.9	26.1	20.4
Antigua and Barbuda	56.6 54.6-58.7	57.8 55.9-59.9	60.3 58.4-62.5	62.5 60.5-64.6	64.9 63.0-66.9	66.7 64.6-68.9	79.2	87.0	22.6	20.3
The Bahamas	50.9 48.2-53.6	54.1 51.7-56.6	57.0 54.6-59.4	59.9 57.5-62.2	62.1 59.7-64.5	63.9 61.0-66.7	77.9	86.6	27.0	22.7
Barbados	55.9 53.7-58.4	59.5 57.5-61.9	62.6 60.5-64.8	64.3 62.4-66.1	65.5 63.6-67.5	66.8 64.4-69.3	75.6	82.8	19.7	16.0

(Table 3 continues on next page)

	HAQ Index (95% UI)						HAQ Index frontier		Difference between observed and frontier HAQ Index values	
	1990	1995	2000	2005	2010	2015	1990	2015	1990	2015
(Continued from previous page)										
Belize	49.7 47.3-52.2	50.5 48.2-53.1	50.6 48.1-53.2	53.7 51.3-56.4	56.3 53.9-58.7	58.3 55.6-61.3	61.4	74.8	11.7	16.5
Bermuda	60.8 58.9-62.8	64.8 62.9-66.6	71.6 69.7-73.5	74.1 72.4-75.8	77.0 75.2-78.6	79.0 77.0-81.0	86.9	91.1	26.0	12.1
Cuba	64.1 62.7-65.7	65.2 63.9-66.8	67.7 66.4-69.0	70.5 69.3-71.8	72.1 71.0-73.4	73.5 72.3-74.9	74.8	81.5	10.7	7.9
Dominica	53.0 50.7-55.4	54.6 52.3-57.0	57.7 55.5-59.9	59.0 56.8-61.3	58.5 56.1-60.8	58.1 55.2-61.0	72.0	80.4	19.0	22.3
Dominican Republic	47.9 45.8-50.2	52.2 50.1-54.4	56.6 54.4-58.7	58.6 56.4-60.5	60.8 58.5-62.6	62.5 60.2-64.5	64.1	75.6	16.2	13.1
Grenada	49.4 46.3-52.5	52.8 50.3-55.4	54.0 51.5-56.5	55.1 52.5-57.5	57.0 54.5-59.6	58.3 55.2-61.2	67.3	80.5	17.9	22.2
Guyana	39.3 36.9-42.0	41.3 38.9-44.1	42.5 39.9-45.1	44.7 42.2-47.8	47.0 44.2-50.0	49.8 46.7-53.2	62.7	74.4	23.4	24.6
Haiti	24.9 21.2-28.9	29.2 25.7-33.1	32.7 29.0-36.8	34.8 30.4-39.0	35.9 31.5-40.3	38.5 33.7-43.5	48.2	54.6	23.3	16.1
Jamaica	55.0 52.6-57.4	58.0 55.5-60.5	59.5 56.8-61.9	62.2 59.1-64.8	62.9 59.7-65.5	63.7 60.1-66.5	71.2	77.7	16.2	14.1
Puerto Rico	64.5 62.9-66.2	66.1 64.7-67.6	69.8 68.6-71.3	72.6 71.3-73.9	74.0 72.9-75.3	76.6 75.1-78.1	81.7	89.6	17.2	13.0
Saint Lucia	49.7 47.1-52.5	53.0 50.8-55.4	56.0 53.9-58.2	58.5 56.2-60.7	61.1 58.7-63.5	62.5 59.3-65.4	69.9	79.4	20.2	16.9
Saint Vincent and the Grenadines	50.4 47.9-53.1	51.4 49.0-53.7	53.0 50.8-55.3	55.2 53.2-57.6	56.7 54.5-59.0	57.5 54.7-60.2	71.0	80.0	20.5	22.5
Suriname	46.7 44.4-49.0	48.6 46.2-51.0	49.5 47.2-52.1	51.0 48.4-53.5	53.5 51.0-56.0	56.7 53.9-59.5	67.5	76.7	20.8	20.0
Trinidad and Tobago	51.6 49.6-53.7	53.5 51.5-55.6	55.8 53.8-57.8	58.6 56.7-60.7	60.5 58.4-62.6	62.1 59.4-64.6	75.5	86.4	23.9	24.4
Virgin Islands, USA	60.4 58.5-62.6	63.1 61.3-65.1	65.8 63.9-67.7	68.8 66.9-70.6	69.8 67.7-71.7	70.2 67.9-72.4	81.2	89.9	20.8	19.7
Andean Latin America	43.2 41.2-45.6	47.0 45.1-49.3	53.5 51.5-55.5	58.1 56.1-60.1	60.9 59.1-62.9	64.1 62.1-65.9	64.9	75.6	21.7	11.5
Bolivia	40.5 37.6-43.6	43.8 41.2-46.8	48.5 46.2-51.2	53.3 50.7-55.8	56.4 53.5-59.2	59.2 55.9-62.7	56.6	72.6	16.1	13.4
Ecuador	45.4 43.5-47.7	48.7 46.8-50.9	53.5 51.3-55.6	56.1 53.9-58.3	58.6 56.3-60.7	61.2 58.8-63.6	66.2	75.7	20.8	14.5
Peru	45.9 43.6-48.4	49.8 47.5-52.2	57.1 54.8-59.3	62.7 60.5-64.7	65.9 63.7-67.9	69.6 67.0-71.8	66.7	76.8	20.8	7.2
Central Latin America	47.6 45.9-49.6	52.2 50.5-54.1	55.8 54.1-57.5	58.3 56.5-59.9	60.2 58.5-61.9	62.4 60.8-64.1	66.6	76.1	19.0	13.7
Colombia	51.1 49.5-53.2	54.9 53.3-56.6	58.4 56.8-60.1	61.6 59.9-63.2	64.4 62.5-66.2	67.8 65.8-69.7	67.1	76.5	16.0	8.6
Costa Rica	62.1 60.4-63.6	62.8 61.1-64.4	65.4 63.8-67.1	68.6 67.0-70.1	70.8 69.1-72.3	72.9 70.9-74.6	68.6	78.0	6.5	5.1
El Salvador	44.3 41.9-46.8	49.0 46.8-51.3	55.3 53.1-57.6	59.6 56.8-61.8	62.2 58.8-64.6	64.4 61.2-66.9	57.2	73.0	12.9	8.6
Guatemala	40.1 37.9-42.5	44.4 42.3-46.8	48.7 46.6-51.0	51.3 48.9-53.5	53.2 50.8-55.5	55.7 52.7-58.8	50.7	66.9	10.6	11.2
Honduras	42.3 40.0-44.8	45.7 42.9-48.6	47.6 43.8-51.2	49.5 45.3-53.4	51.8 47.7-56.0	53.9 49.9-57.8	51.5	69.5	9.1	15.6
Mexico	49.2 47.6-51.2	54.1 52.4-55.9	57.4 55.6-59.1	59.1 57.4-60.7	60.5 58.9-62.1	62.6 61.0-64.2	68.9	77.6	19.7	15.1
Nicaragua	49.7 47.5-52.1	51.7 49.7-53.8	55.5 53.4-57.6	58.8 56.5-60.9	61.8 59.3-63.9	64.3 61.8-66.7	53.1	68.9	3.4	4.7

(Table 3 continues on next page)