The Global Aging Preparedness Index

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The world stands on the threshold of a stunning demographic transformation. It's called global aging and it promises to affect every dimension of social and economic life. Perhaps most fatefully, it could call into question the ability of societies to maintain a decent standard of living for the old without imposing a crushing burden on the young.





Elderly (Aged 60 and Over), as a Percent of the Population in 2007 and 2040

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The GAP Index

- The GAP Index provides a unique new quantitative assessment of the progress that countries worldwide are making in preparing for the global aging challenge.
- The GAP Index projections extend through the year 2040 in order to capture the full impact of the demographic transformation now sweeping the world.
- The GAP Index covers twenty countries, including both developed economies and emerging markets.
- The GAP Index consists of two subindices the fiscal sustainability index and the income adequacy index.

GAP Index Countries

Australia Brazil Canada Chile China France Germany India Italy Japan Korea Mexico Netherlands Poland Russia Spain Sweden Switzerland UK US

GAP FISCAL SUSTAINABILITY INDEX



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Public Burden Category Benefit Level Indicator

Total Public Benefits to the Elderly, as a Percent of GDP, 2007–2040

		2007	2020	2030	2040			2007	2020	2030	2040
1	India	1.9	3.1	4.2	3.6	11	Switzerland	9.8	12.6	15.7	17.4
2	Mexico	2.4	3.2	3.9	5.1	12	UK	12.1	14.0	16.4	18.2
3	Chile	6.0	6.8	7.0	7.5	13	Japan	14.1	15.4	15.9	18.4
4	China	2.8	4.6	6.1	8.0	14	Sweden	15.7	16.6	18.1	19.2
5	Russia	5.8	7.5	8.7	10.2	15	Brazil	8.8	12.5	16.3	20.4
6	Poland	10.1	12.0	13.1	13.9	16	Germany	15.8	17.3	20.0	21.7
7	Korea	3.4	7.5	11.0	14.1	17	Netherlands	12.0	15.7	20.0	23.2
8	Canada	8.3	10.9	13.2	14.7	18	France	16.6	19.4	21.8	23.5
9	Australia	8.9	10.7	12.9	14.9	19	Italy	18.0	19.9	22.3	24.7
10	US	8.9	12.5	15.1	16.3	20	Spain	14.3	17.0	20.6	26.1

Note: Countries are ranked from best to worst according to the projection results for 2040.



Public Burden Category Benefit Growth Indicator



Note: Countries are ranked from best to worst.



Total Government Revenue as a Percent of GDP, Assuming Taxes Are Raised to Pay for All Growth in Public Benefits, 2007–2040*

		2007	2020	2030	2040			2007	2020	2030	2040
1	India	23.5	23.8	25.1	24.2	11	Korea	33.3	36.4	39.4	42.3
2	Mexico	22.6	22.9	23.4	24.4	12	Canada	40.7	41.5	43.5	45.0
3	Chile	29.5	26.4	26.4	26.9	13	UK	41.4	43.2	45.4	47.4
4	China	21.7	23.9	25.2	27.2	14	Brazil	34.8	39.6	43.5	47.4
5	Japan	33.5	33.7	34.0	36.2	15	Germany	43.9	43.9	45.8	47.5
6	Poland	40.3	39.4	39.8	40.4	16	Spain	41.1	42.4	45.6	50.3
7	Russia	40.0	38.0	38.9	40.5	17	Italy	46.4	47.7	49.5	51.4
8	Switzerland	33.9	35.9	38.8	40.6	18	Netherlands	45.7	47.8	51.5	54.7
9	Australia	35.7	36.6	38.7	40.6	19	France	49.6	52.4	54.6	56.3
10	US	34.0	37.6	40.3	41.7	20	Sweden	56.3	55.1	56.3	57.4

Note: Countries are ranked from best to worst according to the projection results for 2040.

* The projections assume that, beginning in 2015, each country moves to a debt-neutral fiscal balance in its "rest of government" budget.



Fiscal Room Category Budget Room Indicator

Total Public Benefits to the Elderly as a Percent of Government Outlays in 2007 and 2040, Assuming Cuts in Other Spending Pay for All Growth in Public Benefits*



Note: Countries are ranked from best to worst according to the projection results for 2040.

* The projections assume that, beginning in 2015, each country moves to a debt-neutral fiscal balance in its "rest of government" budget.

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Net Public Debt as a Percent of GDP, Assuming that Borrowing Pays for All Growth in Public Benefits, 2007–2040*

		2007	2020	2030	2040			2007	2020	2030	2040
1	Chile	-13.7	-14.5	-26.0	-31.1	11	India†	78.3	84.6	80.0	108.0
2	Sweden	-25.0	-12.9	-14.1	17.8	12	Germany	42.9	54.7	56.7	127.2
3	Russia	0.0	1.6	-6.2	32.0	13	Japan	80.4	104.6	114.9	133.6
4	China	1.7	-1.5	-1.1	39.0	14	France	34.0	60.7	73.5	149.2
5	Mexico	31.4	44.4	43.0	66.8	15	UK	28.8	58.3	76.9	152.6
6	Poland	17.0	32.4	41.7	70.1	16	Italy	87.1	100.8	103.6	168.2
7	Australia	-6.6	-1.1	1.3	73.9	17	Netherlands	28.0	36.5	41.3	169.1
8	Korea	-35.8	-33.4	-36.8	87.4	18	Spain	18.7	41.6	49.2	175.1
9	Switzerland	11.0	9.3	5.8	98.9	19	Brazil	42.0	37.3	37.2	175.2
10	Canada	23.1	32.6	32.7	104.8	20	US	42.3	65.0	76.2	179.0

Note: Countries are ranked from best to worst according to the projection results for 2040.

* The projections assume that, beginning in 2015, each country moves to a debt-neutral fiscal balance in its "rest of government" budget.

† Data for India refer to gross debt.



Public Benefits, as a Percent of Elderly Income, 2007–2040

		2007	2020	2030	2040	Average 2007-40			2007	2020	2030	2040	Average 2007-40
1	Mexico	25.3	26.6	26.0	26.5	27.1	11	Netherlands	49.6	48.9	49.6	51.6	49.8
2	Chile	34.8	30.6	26.9	26.3	30.8	12	China	48.0	52.5	51.0	54.8	52.1
3	India	27.4	32.2	34.5	26.5	31.6	13	Sweden	53.6	52.6	51.2	52.8	52.5
4	US	35.1	37.2	38.8	40.3	38.1	14	UK	51.5	52.5	52.2	55.1	52.8
5	Australia	43.1	39.5	40.3	41.2	40.5	15	Russia	57.4	55.9	57.4	54.9	56.5
6	Korea	29.9	40.9	44.0	45.9	41.3	16	Italy	60.5	58.1	55.8	55.9	57.6
7	Japan	46.9	44.5	42.2	42.6	43.9	17	Brazil	64.2	62.6	62.3	62.2	62.8
8	Canada	43.8	43.3	44.8	46.0	44.2	18	Spain	63.1	63.3	63.0	64.2	64.0
9	Switzerland	41.5	43.6	44.9	47.1	44.3	19	France	66.7	65.8	66.2	67.4	66.3
10	Germany	54.5	47.8	45.2	47.1	48.4	20	Poland	77.1	68.6	63.0	56.7	66.8

Note: Countries are ranked from best to worst according to the average for 2007 to 2040.



Benefit Dependence Category Benefit Cut Indicator



Note: Countries are ranked from best to worst.

* Data refer to various years between 1999 and 2007 and exclude public health benefits. Poor households are households with incomes beneath 50 percent of the median income for all households.



GAP INCOME ADEQUACY INDEX



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Total Income Category Total Income Level Indicator

Ratio of Average After-Tax Elderly to Nonelderly Income, Including Public Health Benefits, 2007–2040

		2007	2020	2030	2040			2007	2020	2030	2040
1	Netherlands	1.29	1.37	1.52	1.72	11	Japan	1.19	1.12	1.11	1.12
2	US	1.43	1.54	1.62	1.67	12	Spain	1.00	1.06	1.05	1.06
3	Brazil	1.33	1.40	1.47	1.54	13	Italy	1.12	1.12	1.09	1.04
4	Germany	1.31	1.43	1.48	1.48	14	Switzerland	0.86	0.87	0.88	0.89
5	Chile	1.41	1.45	1.39	1.38	15	Mexico	0.94	0.88	0.85	0.82
6	Sweden	1.26	1.21	1.27	1.28	16	Korea	0.81	0.82	0.79	0.79
7	Australia	1.04	1.09	1.14	1.20	17	India	0.78	0.83	0.85	0.78
8	UK	1.05	1.08	1.14	1.19	18	Poland	0.75	0.70	0.76	0.74
9	Canada	1.13	1.11	1.11	1.14	19	Russia	0.68	0.65	0.65	0.71
10	France	1.16	1.09	1.10	1.13	20	China	0.52	0.53	0.50	0.51

Note: Countries are ranked from best to worst according to the projection results for 2040.



Total Income Category Total Income Trend Indicator

Percent Change in the Ratio of Average After-Tax Elderly to Nonelderly Income from 2007 to 2040, Including Public Health Benefits



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Income Vulnerability Category Median Income Level Indicator

Ratio of Median After-Tax Elderly to Nonelderly Income, Excluding Public Health Benefits, 2007–2040*

		2007	2020	2030	2040			2007	2020	2030	2040
1	Brazil	1.23	1.24	1.26	1.30	11	Italy	1.02	0.99	0.94	0.87
2	Netherlands	1.00	1.02	1.13	1.27	12	Canada	0.91	0.87	0.85	0.81
3	US	1.16	1.22	1.27	1.26	13	France	0.89	0.78	0.76	0.75
4	Germany	1.05	1.04	1.04	1.04	14	Poland	0.80	0.71	0.77	0.72
5	Chile	1.11	1.11	1.02	0.99	15	Switzerland	0.73	0.71	0.71	0.71
6	Japan	1.11	1.00	0.95	0.96	16	India	0.76	0.78	0.78	0.71
7	Sweden	0.94	0.92	0.94	0.94	17	Russia	0.64	0.59	0.58	0.61
8	Australia	0.89	0.85	0.88	0.93	18	Mexico	0.72	0.64	0.60	0.56
9	Spain	0.93	0.95	0.93	0.93	19	Korea	0.59	0.57	0.53	0.52
10	UK	0.88	0.88	0.90	0.93	20	China	0.39	0.38	0.35	0.34

Note: Countries are ranked from best to worst according to the projection results for 2040.

* Data for both the elderly and nonelderly refer to the third quintile of the income distribution.



Income Vulnerability Category Median Income Trend Indicator

Percent Change in the Ratio of Median After-Tax Elderly to Nonelderly Income from 2007 to 2040, Excluding Public Health Benefits*



Note: Countries are ranked from best to worst.

* Data for both the elderly and nonelderly refer to the third quintile of the income distribution.

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Income Vulnerability Category Poverty Level Indicator



Percent of the Elderly Living in Poverty Today*

Note: Countries are ranked from best to worst.

* Data refer to various years between 999 and 2007 and exclude public health benefits. Poor persons are persons with incomes beneath 50 percent of the median income for all persons. † Data for Japan refer to elderly aged 65 and older.



Family Support Category Family Ties Indicator



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Family Support Category Family Size Indicator

Average Number of Surviving Children of the Elderly: 2007, 2040, and Change from 2007 to 2040

		2007	2040	Change			2007	2040	Change
1	Sweden	2.1	2.0	-0.2	11	US	1.9	1.0	-1.0
2	Japan	2.0	1.5	-0.5	12	Australia	3.0	2.0	-1.0
3	Poland	2.6	2.0	-0.6	13	Netherlands	2.7	1.6	-1.1
4	UK	2.4	1.9	-0.6	14	Chile	3.5	2.4	-1.1
5	France	2.5	1.9	-0.6	15	Spain	2.7	1.4	-1.2
6	Germany	2.1	1.4	-0.7	16	Canada	3.2	1.7	-1.5
7	Switzerland	2.2	1.6	-0.7	17	China	3.5	2.0	-1.6
8	Russia	2.2	1.5	-0.7	18	Brazil	3.8	2.1	-1.7
9	India	3.5	2.6	-0.9	19	Korea	3.6	1.8	-1.8
10	Italy	2.3	1.4	-0.9	20	Mexico	5.0	2.6	-2.5

Note: Countries are ranked from best to worst according to the projected change from 2007 to 2040.



GAP Index Country Rankings

Fiscal	Sustainability Index	Income Adequacy Index			
1	India	1	Netherlands		
2	Mexico	2	Brazil		
3	Chile	3	US		
4	China	4	Germany		
5	Russia	5	UK		
6	Poland	6	Australia		
7	Australia	7	Sweden		
8	Japan	8	Chile		
9	Canada	9	Spain		
10	Sweden	10	India		
11	US	11	Canada		
12	Korea	12	Japan		
13	Switzerland	13	Poland		
14	Germany	14	Switzerland		
15	UK	15	Russia		
16	Italy	16	France		
17	France	17	Italy		
18	Brazil	18	China		
19	Netherlands	19	Korea		
20	Spain	20	Mexico		

GAP Index Reform Strategy Guide

	1. Reduce public pension benefits	2. Reduce health-care cost growth	3. Extend work lives	4. Increase funded pension savings	5. Strengthen poverty floors	6. Increase fertility rates	7. Increase immigration
Australia	*	**	*		**	*	
Brazil	***	*	*	**		*	*
Canada	*	**	*			**	*
Chile	*		*	*	*	*	*
China	*		**	**	***	**	*
France	***	***	***	***		*	*
Germany	***	**	**	**		***	***
India*			**	**	**		
Italy	***	**	***	**	*	***	**
Japan	***	**		**	**	***	***
Korea	*	*		***	***	***	***
Mexico				**	***		*
Netherlands	**	***	**			**	**
Poland	***		**	**		***	**
Russia	*		**	**	*	***	*
Spain	***	**	***	***	**	***	**
Sweden	**	**	*	*		*	
Switzerland	*	**	*		*	***	*
UK	★	**	**	*	*	*	
US	*	***		*	**		

Reform Guide Key: No Stars = Not a Priority \star = Low Priority $\star \star$ = Significant Priority $\star \star \star$ = High Priority







GAP Index Reform Strategy Guide

Reform Guide Key	No Stars = Not a Priority	★ = Low Priority	★★ = Significant Priority	★★★= High Priority
Strategy 1: Stars refer to projected current-deal public pension benefits to the elderly in 2040 as a % of GDP	< 5%	5–10%	10–15%	> 15%
Strategy 2: Stars refer to projected public health benefits to the elderly in 2040 as a % of GDP	< 4%	4–6%	6–8%	> 8%
Strategy 3: Stars refer to projected labor-force participation rate of the elderly aged 60–74 in 2040	> 40%	30–40%	20–30%	< 20%
Strategy 4: Stars refer to projected funded pension benefits as a % of elderly cash income in 2040	> 25%	15–25%	5–15%	< 5%
Strategy 5: Stars refer to percent of the elderly living in relative poverty today	< 10%	10–20%	20–25%	> 25%
Strategy 6: Stars refer to projected total fertility rates for the period 2010-2040	> 2.0	1.8–2.0	1.5–1.8	< 1.5
Strategy 7: Stars refer to a composite measure of net immigration rates and the degree of population aging †	low aging & high immigration	moderate aging & high immigration or low aging & low immigration	moderate aging & low immigration or high aging & high immigration	high aging & low immigration

* Following our priority categories for strategy seven, India, which has a low net immigration rate and low aging, should receive one star. But because its aging trend is so moderate compared with other Index countries, we make an exception and give it no stars.

† Countries are divided into low-immigration countries (those below the mean for all Index countries) and high-immigration countries (those above the mean). They are also divided into three demographic groups according to the projected elderly share of the population in 2040: low (under 30%), moderate (30-35%), and high (over 35%).



Public Pension Benefits to the Elderly, as a Percent of GDP in 2007 and 2040: Current-Law versus Current-Deal Scenario*

_	2007	Current Law 2040	Current Deal* 2040		2007	Current Law 2040	Current Deal* 2040
Australia	4.6	6.5	8.0	Korea	1.4	7.5	4.8
Brazil	6.5	13.4	16.1	Mexico	0.8	0.8	2.1
Canada	3.9	5.6	7.7	Netherland	s 5.3	10.7	10.0
Chile	4.2	3.3	9.4	Poland	7.3	8.4	15.8
China	2.2	5.5	6.0	Russia	3.5	5.6	6.6
France	11.2	12.8	19.0	Spain	8.0	14.7	17.4
Germany	10.0	11.9	18.5	Sweden	8.8	9.9	11.8
India	1.4	2.2	2.7	Switzerland	5.4	8.5	9.2
Italy	12.3	15.1	23.5	UK	5.8	7.9	8.1
Japan	9.1	10.1	17.4	US	4.1	6.1	6.8

* The current-deal scenario assumes that workers in the future on average retire at the same age they do today and that benefits replace the same share of wages.



Strategy 1: Reduce public pension benefits

Public Pension Benefits to the Elderly, as a Percent of GDP in 2007 and 2040: Current-Law and Current-Deal Scenario*

	2007	Current Law 2040	Current Deal* 2040	Stars		2007	Current Law 2040	Current Deal* 2040	Stars
Mexico	0.8	0.8	2.1	zero	Chile	4.2	3.3	9.4	*
India	1.4	2.2	2.7	zero	Netherlands	5.3	10.7	10.0	**
Korea	1.4	7.5	4.8	*	Sweden	8.8	9.9	11.8	**
China	2.2	5.5	6.0	*	Poland	7.3	8.4	15.8	***
Russia	3.5	5.6	6.6	*	Brazil	6.5	13.4	16.1	***
US	4.1	6.1	6.8	*	Spain	8.0	14.7	17.4	***
Canada	3.9	5.6	7.7	*	Japan	9.1	10.1	17.4	***
Australia	4.6	6.5	8.0	*	Germany	10.0	11.9	18.5	***
UK	5.8	7.9	8.1	*	France	11.2	12.8	19.0	***
Switzerland	5.4	8.5	9.2	*	Italy	12.3	15.1	23.5	***

* The current-deal scenario assumes that workers in the future on average retire at the same age they do today and that benefits replace the same share of wages.

Reform Guide Key	No Stars = Not a Priority	★ = Low Priority	★★ = Significant Priority	★★★= High Priority
Strategy 1: Stars refer to projected current-deal public pension benefits to the elderly in 2040 as a % of GDP	< 5%	5–10%	10–15%	> 15%



Strategy 2: Reduce health-care cost growth

Public Health Benefits to the Elderly, as a Percent of GDP in 2007 and 2040

	2007	2040	Stars		2007	2040	Stars
India	0.2	0.9	zero	Sweden	4.9	6.7	**
China	0.6	2.3	zero	Spain	3.1	6.9	**
Mexico	0.7	2.8	zero	Japan	4.0	7.0	**
Chile	1.1	3.3	zero	Germany	4.1	7.3	**
Russia	1.5	3.5	zero	UK	4.0	7.5	**
Poland	1.7	3.7	zero	Switzerland	3.4	7.6	**
Korea	1.3	5.4	*	Canada	3.6	7.7	**
Brazil	1.4	5.4	*	Netherlands	3.9	8.5	***
Australia	2.7	6.1	**	France	4.5	9.2	***
Italy	3.4	6.7	**	US	4.2	9.3	***

Reform Guide Key	No Stars = Not a Priority	★ = Low Priority	★★ = Significant Priority	★★★= High Priority
Strategy 2: Stars refer to projected public health benefits to the elderly in 2040 as a % of GDP	< 4%	4–6%	6–8%	> 8%

Strategy 3: Extend work lives

Labor-Force Participation Rate of the Elderly Aged 60-74 in 2007 and 2040

	2007	2040	Stars		2007	2040	Stars
Korea	45.6	44.6	zero	UK	25.3	29.3	**
Japan	40.9	41.7	zero	China	31.0	27.8	**
US	36.5	41.0	zero	India	26.4	25.4	**
Mexico	41.1	40.1	zero	Russia	18.3	24.2	**
Chile	33.8	36.6	*	Germany	15.7	23.5	**
Brazil	36.7	36.6	*	Netherlands	18.2	22.4	**
Australia	27.0	30.2	*	Poland	11.8	21.8	**
Canada	27.8	30.2	*	Spain	15.2	17.6	***
Sweden	33.5	30.1	*	Italy	10.5	13.9	***
Switzerland	30.7	30.0	*	France	7.9	8.5	***

Reform Guide Key	No Stars = Not a Priority	★ = Low Priority	★★ = Significant Priority	★★★= High Priority
Strategy 3: Stars refer to projected labor-force participation rate of the elderly aged 60–74 in 2040	> 40%	30–40%	20–30%	< 20%

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Strategy 4: Increase funded pension savings

Funded Pension Benefits as a Percent of Elderly Cash Income in 2007 and 2040

	2007	2040	Stars		2007	2040	Stars
Netherlands	24.4	28.8	zero	Brazil	2.2	8.2	**
Canada	26.8	28.6	zero	Russia	0.4	8.1	**
Australia	15.6	28.5	zero	Mexico	2.3	7.5	**
Switzerland	20.9	25.0	zero	Japan	7.3	7.1	**
US	19.6	21.1	*	India	1.7	6.9	**
Sweden	9.3	18.8	*	Germany	2.7	6.7	**
Chile	9.3	16.6	*	Italy	2.9	5.9	**
UK	16.3	16.3	*	Spain	2.9	4.6	***
Poland	0.0	14.3	**	Korea	4.1	3.9	***
China	0.0	9.7	**	France	1.3	1.8	***

Reform Guide Key	No Stars = Not a Priority	★ = Low Priority	★★ = Significant Priority	★★★= High Priority
Strategy 4: Stars refer to projected funded pension benefits as a % of elderly cash income in 2040	> 25%	15–25%	5–15%	< 5%

Strategy 5: Strengthen poverty floors

Percent of the Elderly Living in Poverty Today*

	2007	Stars		2007	Stars
Netherlands	2.3	zero	Chile	14.0	*
Poland	3.7	zero	UK	15.4	*
Brazil	5.1	zero	Australia	20.9	**
Sweden	5.5	zero	India	21.8	**
France	8.1	zero	Japan†	22.0	**
Canada	8.9	zero	US	22.4	**
Germany	9.8	zero	Spain	22.6	**
Italy	10.7	*	China	25.0	***
Switzerland	12.7	*	Mexico	25.5	***
Russia	13.8	*	Korea	36.2	***

* Data refer to various years between 1999 and 2007 and exclude public health benefits. Poor persons are

persons with incomes beneath 50 percent of the median income for all persons.

† Data for Japan refer to elderly aged 65 and older.

Reform Guide Key	No Stars = Not a Priority	★ = Low Priority	★★ = Significant Priority	★★★= High Priority
Strategy 5: Stars refer to percent of the elderly living in relative poverty today	< 10%	10–20%	20–25%	> 25%



Strategy 6: Increase fertility rates

Total Fertility Rate: Average for 2010-2040

	Average 2010-2040	Stars
India	2.2	zero
Mexico	2.2	zero
US	2.1	zero
Chile	1.9	*
Brazil	1.9	*
France	1.9	*
Sweden	1.9	*
UK	1.8	*
Australia	1.8	*
China	1.8	**

	Average 2010-2040	Stars
Netherlands	1.7	**
Canada	1.6	**
Switzerland	1.5	***
Spain	1.4	***
Italy	1.4	***
Russia	1.4	***
Germany	1.3	***
Japan	1.3	***
Poland	1.3	***
Korea	1.2	***

Reform Guide Key	No Stars = Not a Priority	★ = Low Priority	★★ = Significant Priority	★★★= High Priority
Strategy 6: Stars refer to projected total fertility rates for the period 2010-2040	> 2.0	1.8–2.0	1.5–1.8	< 1.5

Strategy 7: Increase immigration

	Aging Group	Immigration Group	Stars		Aging Group	Immigration Group	Stars
India	Low	Low	zero	Canada	Med	High	*
Australia	Low	High	zero	France	Med	High	*
Sweden	Low	High	zero	Switzerland	Med	High	*
UK	Low	High	zero	Netherlands	Med	Low	**
US	Low	High	zero	Poland	Med	Low	**
Brazil	Low	Low	*	Italy	High	High	**
Chile	Low	Low	*	Spain	High	High	**
China	Low	Low	*	Germany	High	Low	***
Mexico	Low	Low	*	Japan	High	Low	***
Russia	Low	Low	*	Korea	High	Low	***

Reform Guide Key	No Stars = Not a Priority	★ = Low Priority	★★ = Significant Priority	★★★= High Priority
Strategy 7: Stars refer to a composite measure of net immigration rates and the degree of population aging*	low aging & high immigration	moderate aging & high immigration or low aging & low immigration	moderate aging & low immigration or high aging & high immigration	high aging & low immigration

* Countries are divided into low-immigration countries (those below the mean for all Index countries) and high-immigration countries (those above the mean). They are also divided into three demographic groups according to the projected elderly share of the population in 2040: low (under 30%), moderate (30-35%), and high (over 35%).