Bulgaria

	Rank/122	Score
Human Capital Index 2013	**56**	**–0.048**
Pillar 1: Education	46	0.282
Pillar 2: Health and wellness	33	0.333
Pillar 3: Workforce and employment	100	–0.496
Pillar 4: Enabling environment	74	–0.311

Key Indicators

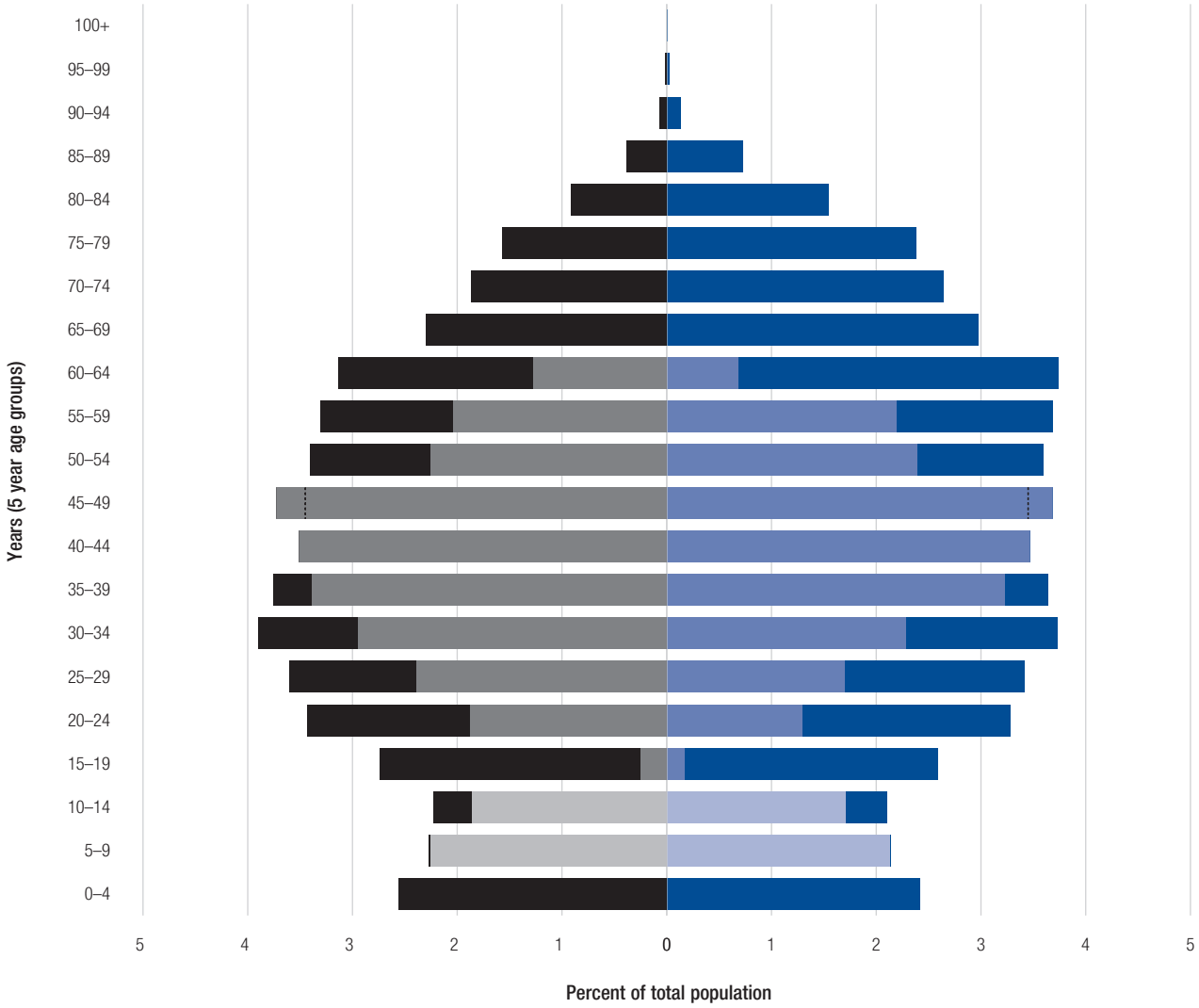
Total population (1,000s)	7,389.2
Median age of population	42
GDP per capita PPP (constant 2005, international $)	12,178
GDP growth (annual %)	0.8

Education and workforce distribution

Male
- Total population
- Labour force participation
- Primary and secondary enrolment

Female
- Total population
- Labour force participation
- Primary and secondary enrolment

Additional indicators
- Aged dependency: 26.8%
- Youth dependency: 19.5%
- Male labour force participation, age 65+: 0.4%
- Female labour force participation, age 65+: 0.2%

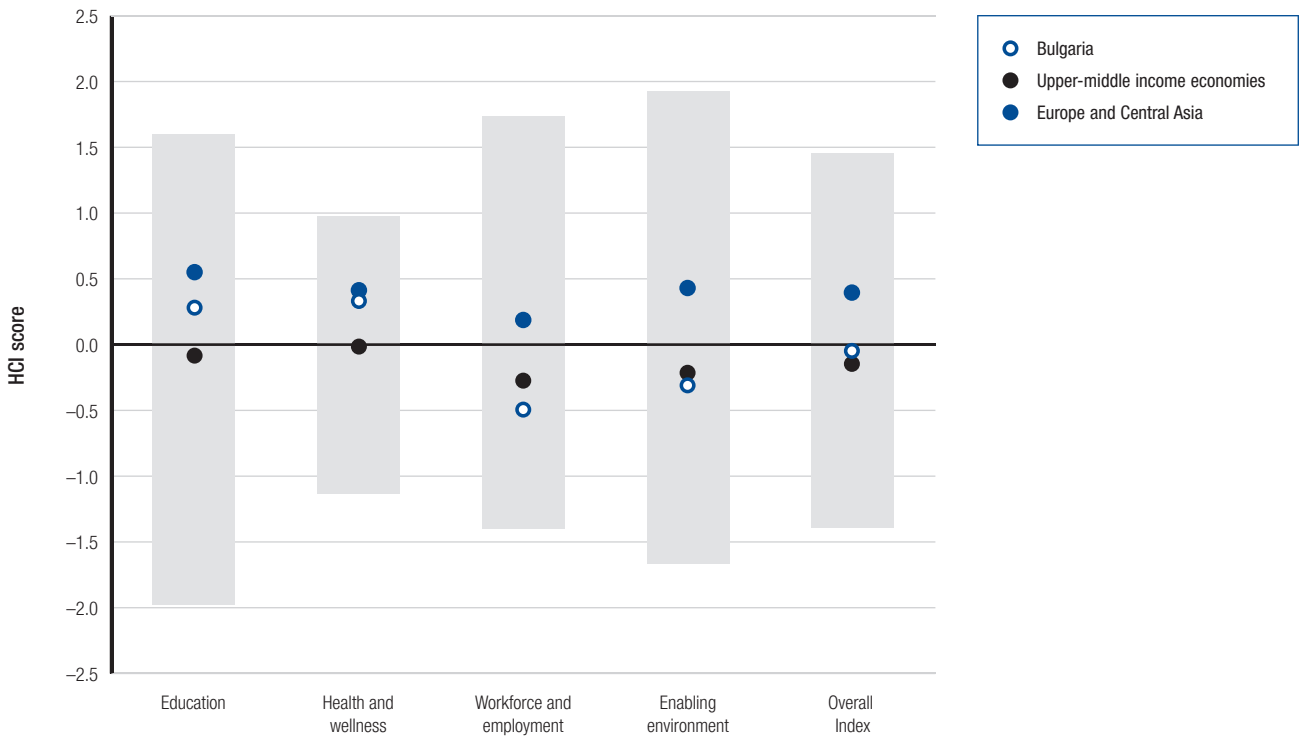


Bulgaria

Employment types, educational requirements and educational attainment

	Percent of population in employment type	Educational attainment (%)
Tertiary requirements	**11.8**	**20.7**
Professionals	6.6	
Technicians and associate professionals	5.2	
Secondary requirements	**31.3**	**72.5**
Clerks	3.9	
Service workers and shop and market sales workers	8.7	
Skilled agricultural and fishery workers	2.5	
Craft and related trade workers	8.7	
Plant and machine operators and assemblers	7.6	
Primary requirements	**7.5**	**n/a**
Elementary occupations	7.5	
Various	**5.0**	
Legislators, senior officials and managers	3.5	
Unclassified	1.5	
Armed forces	n/a	

Spread of scores (by pillar and overall)



Bulgaria

Pillar 1: Education

	Rank/122	Z-Score	Country Value	Sample Minimum	Sample Maximum
Access					
Primary enrolment rate (%)	12	0.725	100	58	100
Secondary enrolment rate (%)	45	0.453	83	16	100
Tertiary enrolment ratio (%)	39	0.620	57	1	103
Education gender gap[2]	57	0.448	0.992	0.645	1.000
Quality					
Internet access in schools[1]	47	0.319	4.72	1.64	6.64
Quality of the education system[1]	77	–0.423	3.42	1.99	5.98
Quality of primary schools[1]	51	0.186	4.14	1.97	6.82
Quality of math & science education[1]	52	0.253	4.28	1.88	6.29
Quality of management schools[1]	98	–0.785	3.64	2.29	6.09
Attainment					
Primary education attainment (% population age 25+)	—	—	—	5	100
Secondary education attainment (% population age 25+)	16	1.137	93	2	100
Tertiary education attainment (% population age 25+)	36	0.168	21	0	44

Pillar 2: Health and Wellness

	Rank/122	Z-Score	Country Value	Sample Minimum	Sample Maximum
Survival					
Infant mortality (per 1,000 live births)	52	0.473	11	2	98
Life expectancy	59	0.177	74	50	83
Survival gender gap[2]	28	0.714	0.979	0.920	0.980
Health					
Stunting and wasting (% in children under 5)	12	1.060	6.0	1.2	36.5
Unhealthy life years (% of life expectancy)	22	0.636	11	8	66
Deaths under 60 from non-communicable diseases (% of all NCD deaths)	29	0.966	14.3	7.3	55.8
Obesity (% of adults with BMI ≥ 30)	70	–0.302	21.4	1.1	42.8
Business impact of non-communicable diseases[1]	58	0.131	4.54	2.74	5.87
Business impact of communicable diseases[1]	43	0.623	6.10	3.13	6.90
Well-being					
Stress (% of respondents)[7]	28	0.525	24	8	69
Depression (% of respondents)[7]	18	0.775	7	2	37
Services					
Water, sanitation and hygiene (% with access)	30	0.802	99.7	31.1	100.0
Healthcare quality[1]	113	–1.200	2.65	1.78	6.75
Healthcare accessibility[1]	85	–0.719	3.78	2.41	6.75

Pillar 3: Workforce and Employment

	Rank/122	Z-Score	Country Value	Sample Minimum	Sample Maximum
Participation					
Labour force participation rate, age 15-64 (%)	79	–0.224	67.0	43.4	90.6
Labour force participation rate, age 65+ (%)	117	–1.122	2.9	1.6	91.2
Economic participation gender gap[2]	45	0.445	0.696	0.310	0.839
Unemployment rate (%)	80	–0.279	10.2	0.3	32.0
Youth unemployment rate (%)	76	–0.472	23.2	1.6	48.2
Talent					
Country capacity to attract talent[1]	115	–1.507	1.89	1.48	6.08
Country capacity to retain talent[1]	118	–1.653	1.93	1.81	5.97
Ease of finding skilled employees[1]	108	–1.377	3.03	2.13	5.69
Pay related to productivity[1]	42	0.445	4.19	2.37	5.25
Capacity for innovation[1]	90	–0.660	3.18	2.31	5.84
Index of Economic Complexity[3]	36	0.493	0.58	–1.96	2.37
Firm level technology absorption[1]	98	–0.922	4.16	3.17	6.23
Scientific and technical journal articles (per 1,000 people)	40	–0.303	0.097	0.000	1.242
Median age of the working population	11	1.340	41	28	42
Training					
Staff training[1]	108	–1.261	3.24	2.51	5.57
Training services[1]	96	–0.877	3.61	2.67	6.47

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Pillar 4: Enabling Environment

	Rank/122	Z-Score	Country Value	Sample Minimum	Sample Maximum
Infrastructure					
Mobile users (per 100 people)	18	0.988	141	17	191
Internet users (per 100 people)	49	0.255	51	1	95
Quality of domestic transport[1]	72	–0.289	4.22	2.08	6.51
Collaboration					
State of cluster development[1]	95	–0.788	3.33	2.33	5.49
Business and university R&D collaboration[1]	102	–0.832	3.04	2.11	5.84
Legal framework					
Doing Business Index[4]	54	0.271	66	1	180
Social safety net protection[1]	73	–0.510	3.23	2.10	6.26
Intellectual property protection and property rights[1]	91	–0.782	3.29	1.62	6.31
Social mobility					
Social mobility[1]	108	–1.113	3.38	2.78	6.36

Additional indicators

Demographics	*Value*
Child dependency ratio (%)	19.5
Aged dependency ratio (%)	26.8
Fertility rate (births per woman)	1.4
Sex ratio at birth (female/male)	0.94
Population below age 20 (%)	18.5
Population above age 60 (%)	25.5
Education	
Public spending on education (% of GDP)	4.1
Technical/vocational enrolment as % of total enrolment in secondary school	30
Adult literacy (%)	98.4
Boys not in primary school (%)	1
Girls not in primary school (%)	1
Education poverty (% of children age 17-22 with less than 2-4 years schooling)	—
Private enrolment in primary school (% of primary)	0.8
Private enrolment in secondary school (% of secondary)	1.1
PIRLS[6]	532
PISA math scores[6]	428
PISA reading scores[6]	429
PISA science scores[6]	439
TIMSS 4th grade math[6]	—
TIMSS 4th grade science[6]	—
TIMSS 8th grade math[6]	—
TIMSS 8th grade science[6]	—
Health	
Prevalence of visual impairment (%)	1.1
Public spending on health (% of GDP)	7.3
Business impact of heart disease[1]	4.13
Business impact of cancer[1]	4.49
Business impact of mental illness[1]	4.90
Business impact of diabetes[1]	4.53
Business impact of chronic respiratory disease[1]	4.65
Business impact of HIV/AIDS[1]	5.91
Business impact of tuberculosis[1]	5.83
Business impact of malaria[1]	6.55

Society	*Value*
Freedom in the World[8]	2
Democracy Index (rank/165)	54
Population living in urban area (%)	73.6
Gini Index (income)[5]	28.2
Accessibility of digital content[1]	5.22
Extent of virtual social networks use[1]	5.56
Workforce	
Economic activity (agriculture) — % of total activity	6.8
Economic activity (industry) — % of total activity	33.3
Economic activity (services) — % of total activity	59.9
GDP per person employed (US$)	19,198
Cooperation in labour-employer relations[1]	4.06
Emigration rate of the tertiary educated (%)	9.6
Labour force with tertiary education (%)	25.8
Number of patent applications (per 1,000 people)	0.0383
Hiring and firing practices[1]	3.99
Retirement age, male	62
Retirement age, female	60
Number of informal sector workers (1,000s)	—
Total employed (1,000s)	3,053
Total unemployed (1,000s)	348
Unemployment for 12 months or more as a % of total unemployment	46.5
Total youth not in education or employment (1,000s)	203.6
Unemployment for 12 months or more (1,000s)	161.7
Global Innovation Index (rank/142)	41
Global Talent Index (rank/60)	49
Quality of Labour Force (rank/60)	43
Talent Environment (rank/60)	39
IQ measure[9]	93.3

NOTES

In the sections for Pillar 1, Pillar 2, Pillar 3 and Pillar 4, values under Country Value, Sample Minimum and Sample Maximum refer to underlying data for each variable. For further details and explanations, please refer to the section "How to Read the Country Profiles".

1 Survey data responses on a 1- to 7-scale (1 = worst score, 7 = best score)
2 Data on a 0- to 1-scale (0 = worst score, 1 = best score)
3 Data from -1.960 (worst score) to 2.367 (best score)
4 Rank number on a list of 185 countries
5 Index on a scale of 0 (perfect inequality) to 100 (perfect equality)
6 International test scores
7 Perception survey data. Percentage of yes responses.
8 Score (1 = best, 7 = worst)
9 Reported in relation to UK score (100)