

Czech Republic

Human Capital Index 2020

This brief provides an update to the Human Capital Index (HCI). First launched in 2018, the HCI measures the amount of human capital that a child born today can expect to attain by age 18. It conveys the productivity of the next generation of workers compared to a benchmark of complete education and full health. Worldwide a child born in 2020 can expect, on average, to be 56 percent as productive as she could be when she grows up. All data represent the status of countries pre-COVID-19.

THE HUMAN CAPITAL INDEX

Human Capital Index. A child born in the Czech Republic today will be **75 percent** as productive when she grows up as she could be if she enjoyed complete education and full health. This is higher than the average for Europe & Central Asia region and High income countries. Between 2010 and 2020, the HCI value for the Czech Republic increased from 0.73 to 0.75. Figure 1 shows how the HCI and each of the components evolved over time.

- **Probability of Survival to Age 5.** 100 out of 100 children born in the Czech Republic survive to age 5.
- **Expected Years of School.** In the Czech Republic, a child who starts school at age 4 can expect to complete **13.6 years** of school by her 18th birthday.
- **Harmonized Test Scores.** Students in the Czech Republic score **512** on a scale where 625 represents advanced attainment and 300 represents minimum attainment.
- **Learning-adjusted Years of School.** Factoring in what children actually learn, expected years of school is only **11.1 years**.
- **Adult Survival Rate.** Across the Czech Republic, **92 percent** of 15-year olds will survive until age 60. This statistic is a proxy for the range of health risks that a child born today would experience as an adult under current conditions.
- **Healthy Growth (Not Stunted Rate).** Data on stunting are not available for the Czech Republic.

DIFFERENCES IN HCI ACROSS GENDER AND SOCIO-ECONOMIC GROUPS

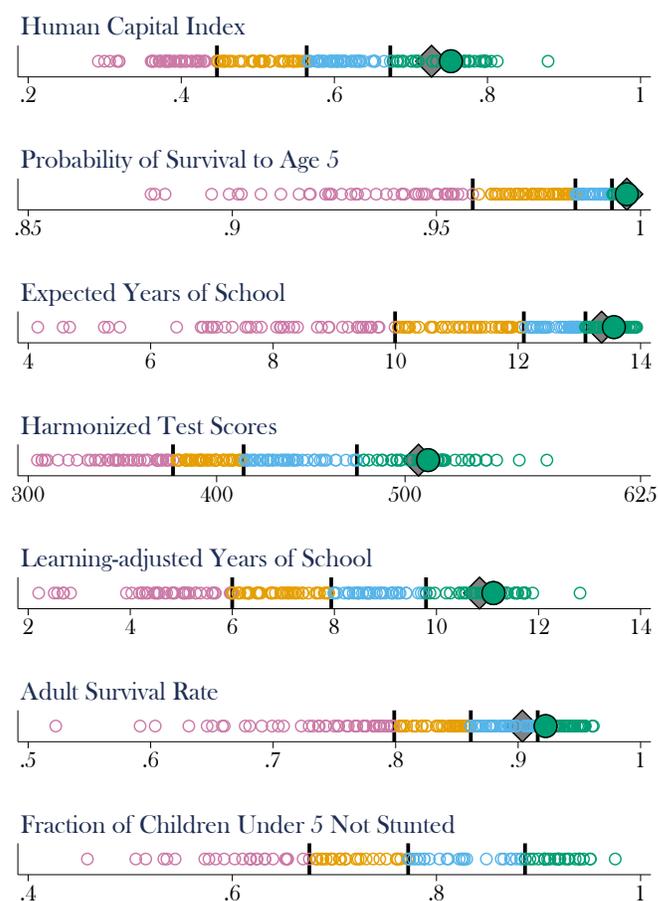
In the Czech Republic, the HCI for girls is higher than for boys. Table 1 shows gender disaggregation for each of the HCI components.

In the Czech Republic, there are not sufficient data to disaggregate HCI by socio-economic groups.

Component	Boys	Girls	Overall
HCI	0.73	0.77	0.75
Survival to Age 5	1.00	1.00	1.00
Expected Years of School	13.5	13.6	13.6
Harmonized Test Scores	507	518	512
Learning-adjusted Years of School	11.0	11.3	11.1
Adult Survival Rate	0.90	0.95	0.92
Not Stunted Rate	-	-	-
HCI Ratio (richest / poorest 20 percent)			-

For more on socioeconomic disaggregated HCI, please visit <https://www.worldbank.org/en/publication/human-capital/brief/insights-from-disaggregating-the-human-capital-index>

Figure 1. HCI and Components



Note:

- Large circle represents Czech Republic in 2020
- Diamond represents Czech Republic in 2010
- Small circles represent other countries
- Lines and color of circles indicate quartiles of the distribution

The outlook for the next generation has been improving in most countries in Europe & Central Asia. Efforts are being made to protect human capital gains against setbacks and accelerate progress for all. The challenges unleashed by COVID-19 require an even stronger policy response, including greater use of technology to improve service delivery and enhanced social assistance programs, to ensure that people receive quality education and health care.

DOMESTIC RESOURCE UTILIZATION AND MOBILIZATION

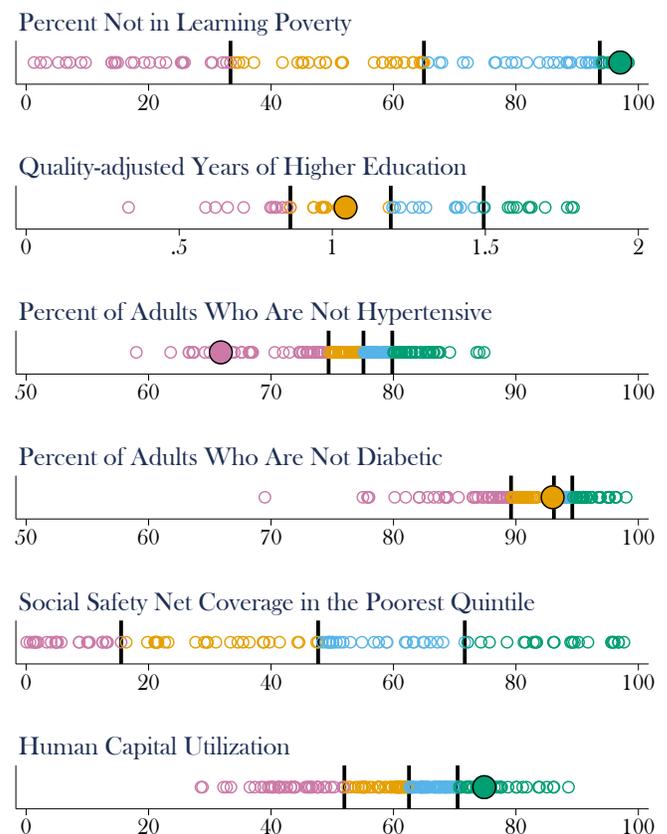
- **Health Spending.** The Czech Republic spends **5.9 percent** (2017) of its GDP in public spending on health. This is higher than both the regional average (4.9%) and the average for its income group (5.3%). **2 percent** (2010) of the population incurs catastrophic health expenditure measured as out-of-pocket spending exceeding 10% of household consumption or income.
- **Education Spending.** The Czech Republic spends **5.6 percent** (2016) of its GDP in government education spending. This is higher than both the regional average (4.6%) and the average for its income group (4.5%).
- **Social Assistance Spending.** The Czech Republic spends **0.8 percent** (2017) of its GDP on social assistance. This is lower than both the regional average (1.8%) and the average for its income group (1.7%).
- **Government Revenue.** General government revenue in the Czech Republic is **41.5 percent** (2018) of GDP. This is higher than both the regional average (38.1%) and the average for its income group (37.3%).

COMPLEMENTARY INDICATORS

- **Learning Poverty.** In the Czech Republic, **3 percent** (2016) of 10-year-olds cannot read and understand a simple text by the end of primary school. This is lower than both the average for its region (11%) and the average for its income group (14%).
- **Pre-primary Gross Enrollment.** In the Czech Republic, the gross enrollment ratio in pre-primary education is **106 percent** (2017). This is higher than both the average for its region (85%) and the average for its income group (91%).
- **Quality-adjusted Years of Higher Education.** In the Czech Republic, about **36 percent** (2017) of adults ages 30-34 have a tertiary degree. A child born today can expect to complete **1.2 years** of higher education. Factoring in the quality of higher education, expected years of higher education is only **1 year**.
- **NCD Deaths.** In the Czech Republic, the probability of dying between ages 30 and 70 from cardiovascular disease, cancer, diabetes, or chronic respiratory diseases is **15 percent** (2016). This is lower than the average for its region (17%) but higher than the average for its income group (14%).
- **Health Risk Factors.** In the Czech Republic **19 percent** of adults are obese, **29 percent** are smokers, and **15 percent** are heavy drinkers.
- **Hypertension.** In the Czech Republic, **34 percent** (2015) of the population age 18 and older has hypertension. This is higher than both the average for its region (29%) and the average for its income group (25%).
- **Diabetes.** In the Czech Republic, **7 percent** (2019) of the population ages 20-79 has type 1 or type 2 diabetes. This is higher than the average for its region (6%) but lower than the average for its income group (9%).
- **Universal Health Coverage (UHC) Index.** The index, ranging from 0 to 100, measures coverage of essential health services based on tracer interventions. In the Czech Republic, the UHC Index score is **76** (2017). This is higher than the average for its region (75) but lower than the average for its income group (79).

- **Social Safety Net Coverage.** In the Czech Republic, data on social safety net coverage of the poorest quintile are not available. The average for its region is 46 percent and for its income group is 70 percent.
- **Human Capital Utilization.** In the Czech Republic, **75 percent** (2018) of the working-age population is employed. This is higher than both the average for its region (65%) and the average for its income group (70%).

Figure 2. Complementary Indicators



Note:

- Large circle represents Czech Republic
- Small circles represent other countries
- Lines and color of circles indicate quartiles of the distribution

This brief is based on the most recent data available from the Human Capital Project, World Development Indicators, Atlas of Social Protection Indicators of Resilience and Equity (ASPIRE), UNESCO Institute for Statistics, WHO Global Health Observatory and Global Health Expenditure Database, IMF World Economic Outlook, selected national sources and World Bank staff estimates.

For more information on the definition of indicators and data sources, please visit: www.worldbank.org/humancapital