



Institute for Health Metrics and Evaluation

Data Release Information Sheet

Data Summary

Dataset name: Global Human Capital Estimates 1990-2016

Date of release: September 24, 2018

Summary:

Human capital is widely recognized as the level of education and health in a population and is considered to be an important determinant of economic growth. IHME generated a period measure of expected human capital, defined for each birth cohort as the expected years lived from 20 to 64 years of age adjusted for educational attainment, learning or education quality, and functional health status using period-age-and-sex-specific rates. Learning estimates are based on student performance on math, science, and reading assessments. Functional health status is comprised of the prevalence of seven conditions with proven links to productivity and learning: stunting, wasting, anemia, hearing loss, vision loss, cognitive impairment, and infectious diseases (an aggregate including HIV/AIDS, malaria, TB, and other major diseases).

This dataset includes estimates for the following five measures by age and sex for 195 countries from 1990 to 2016: expected human capital, measured in health-, education-, and learning-adjusted expected years lived between 20 and 64; average years of educational attainment, from 0 to 18 years; learning, the average standardized test score transformed to a 0 to 1 scale; health, or functional health status relevant to economic productivity, transformed to a 0 to 1 scale; and survival, or expected years lived between ages 20 and 64.

Relevant publications and visualizations:

- Human Capital Collaborators. Measuring human capital: A systematic analysis of 195 countries, 1990 to 2016. *The Lancet*. 24 September 2018.

Acknowledgements

Contributing organizations:

- Institute for Health Metrics and Evaluation (IHME)

Funders:

- Institute for Health Metrics and Evaluation (IHME)

Suggested Citation:

Institute for Health Metrics and Evaluation (IHME). Global Human Capital Estimates 1990-2016. Seattle, United States: Institute for Health Metrics and Evaluation (IHME), 2018.

File Inventory

File Name	Description	Date Produced
IHME_HUMAN_CAPITAL_1990_2016_EXP_HUM_CAP_Y2018M09D24.CSV	Expected human capital estimates	September 24, 2018
IHME_HUMAN_CAPITAL_1990_2016_EDUCATION_Y2018M09D24.CSV	Educational attainment estimates	September 24, 2018
IHME_HUMAN_CAPITAL_1990_2016_LEARNING_Y2018M09D24.CSV	Learning estimates	September 24, 2018
IHME_HUMAN_CAPITAL_1990_2016_HEALTH_Y2018M09D24.CSV	Functional health status estimates	September 24, 2018
IHME_HUMAN_CAPITAL_1990_2016_SURVIVAL_Y2018M09D24.CSV	Survival estimates	September 24, 2018
IHME_HUMAN_CAPITAL_1990_2016_CODEBOOK_EXP_HUM_CAP_Y2018M09D24.CSV	Codebook: Expected human capital	September 24, 2018
IHME_HUMAN_CAPITAL_1990_2016_CODEBOOK_EDUCATION_Y2018M09D24.CSV	Codebook: Educational attainment	September 24, 2018
IHME_HUMAN_CAPITAL_1990_2016_CODEBOOK_LEARNING_Y2018M09D24.CSV	Codebook: Learning	September 24, 2018
IHME_HUMAN_CAPITAL_1990_2016_CODEBOOK_HEALTH_Y2018M09D24.CSV	Codebook: Functional health status	September 24, 2018
IHME_HUMAN_CAPITAL_1990_2016_CODEBOOK_SURVIVAL_Y2018M09D24.CSV	Codebook: Survival	September 24, 2018

BOOK_SURVIVAL_Y2018M09D24.CSV		2018
IHME_HUMAN_CAPITAL_1990_2016_INFO_SHEET_Y2018M09D24.CSV	Data release information sheet	September 24, 2018

Data Files Information

Variable	Variable Label	Variable Definition
location_ID	Location ID	Unique numeric identifier for the location generated and stored in an IHME database of data dimensions.
location_name	Location Name	Location of the estimate.
sex_ID	Sex ID	Unique numeric identifier for the sex generated and stored in an IHME database of data dimensions.
sex	Sex	Gender for the estimate.
age_group_ID	Age Group ID	Unique numeric identifier for the age group generated and stored in an IHME database of data dimensions.
age_group_name	Age Group Name	Age group estimated.
year	Year	Time period of estimate.
measure_name	Measure	The measure (indicator) of the estimate. Possible values: <ul style="list-style-type: none"> • Education attained • Learning index • Health index • Expected years lived, 20-64 • Expected human capital, 20-64
metric_name	Metric	Metric/unit of measure for the estimate. Values: <ul style="list-style-type: none"> • Years (0 to 18) • Score (0 to 1000) • Score (0 to 1) • Years
mean	Mean	Mean estimate

lower	95% uncertainty interval (lower bound)	2.5% percentile estimate
upper	95% uncertainty interval (upper bound)	97.5% percentile estimate

Additional Information

Terms and Conditions

<http://www.healthdata.org/about/terms-and-conditions>

Contact information

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These files may be updated periodically, so we appreciate hearing feedback or additional information about how these data are being used.