

Human Development Report Office Statistical Data API

Overview

The Human Development Report Office (HDRO) offers this REST API for the developers to query human development related data in JSON format. The data can be queried by indicator id(s), year(s) and country code(s) and group by any order.

About the Data

HDRO produces a small dataset each year which consists over 150 indicators by country and year. The data is entered into a SQL Server database by the statistics unit and stored and archived there. For the API, the data is manually extracted from SQL Server and copied into a separate MySQL database. This happens at least once a year upon the publication of the global Human Development Report, which coincides with the release of the data. When this happens, the data present in the API (MySQL) database is wiped and replaced with the new data. This is due to the fact that the data is recalculated retroactively each year, in light of new methodologies and updated data. Throughout the year, when updates are made to the database, the API data may also be updated manually by the database/website manager.

Using the API

Users should query the API using the GET method. The resource selection can be done using single or multiple strings, as follows: country_code = 'AFG' indicator_id = '72206' year = '1980, 1990, 2019'

The options selection is by default set to: Data Structure: structure = ciy [ciy, yic, yci, iyc, icy]

The resources and options above can be selected using the following query format:

http://ec2-54-174-131-205.compute-1.amazonaws.com/API/HDRO_API.php/country_code=AFG,ZWE/indicator_id=103206,103606,103706/year=1990,2013,2019/structure=ciy

Each query will yield three json arrays: "indicator_value", which consists of the country code, indicator code and value; "country_name", which consists of the country code and the associated country name, and "indicator_name", which consists of the indicator code and the indicator name.

An empty query: http://ec2-54-174-131-205.compute-1.amazonaws.com/API/HDRO_API.php will return all of the data in the HDRO database.

NOTE: To optimize performance, we highly recommend that the complete data set to be downloaded directly via http://ec2-54-174-131-205.compute-1.amazonaws.com/API/hdro_api_all.json

Sample Queries (for the current year of 2019)

- Human Development Index for current year and all countries:
http://ec2-54-174-131-205.compute-1.amazonaws.com/API/HDRO_API.php/indicator_id=137506/year=2019
- Human Development Index for all years and all countries:
http://ec2-54-174-131-205.compute-1.amazonaws.com/API/HDRO_API.php/indicator_id=137506
- Inequality-adjusted Human Development Index for current year and all countries:
http://ec2-54-174-131-205.compute-1.amazonaws.com/API/HDRO_API.php/indicator_id=138806/year=2019
- Gender Inequality Index for current year and all countries:
http://ec2-54-174-131-205.compute-1.amazonaws.com/API/HDRO_API.php/indicator_id=68606/year=2019
- Gender Development Index for current year and all countries:
http://ec2-54-174-131-205.compute-1.amazonaws.com/API/HDRO_API.php/indicator_id=137906/year=2019
- Multidimensional Poverty Index for 2008-2019 time series and all countries:
<http://ec2-54-174-131-205.compute-1.amazonaws.com/API/mpi.json>

Support

Please contact us via email at hdro.web@undp.org

Resource Selection Index for Indicators, Countries and Years (Updated: 15 December 2020)

Indicators

ID	Indicator Name
164406	Adjusted net savings (% of GNI)
36806	Adolescent birth rate (births per 1,000 women ages 15-19)
185106	Age-standardized mortality rate attributed to noncommunicable diseases, female
185206	Age-standardized mortality rate attributed to noncommunicable diseases, male

175206	Antenatal care coverage, at least one visit (%)
186806	Average annual change in the share of bottom 40 percent (%)
181106	Birth registration (% under age 5)
186706	Carbon dioxide emissions, per unit of GDP (kg per 2010 US\$ of GDP)
195606	Carbon dioxide emissions, production emissions per capita (tonnes)
181306	Child labour (% ages 5-17)
98306	Child malnutrition, stunting (moderate or severe) (% under age 5)
181406	Child marriage, women married by age 18 (% of women ages 20?24 who are married or in union)
135006	Coefficient of human inequality
170006	Concentration index (exports) (value)
175506	Contraceptive prevalence, any method (% of married or in-union women of reproductive age, 15?49 years)
117806	Contribution of deprivation in education to the Multidimensional Poverty Index
117906	Contribution of deprivation in health to the Multidimensional Poverty Index
118006	Contribution of deprivation in standard of living to the Multidimensional Poverty Index
181806	Current health expenditure (% of GDP)
185006	Degraded land (% of total land area)
195906	Domestic material consumption per capita, (tonnes)
103706	Education index
150606	Employment in agriculture (% of total employment)
150706	Employment in services (% of total employment)
148306	Employment to population ratio (% ages 15 and older)
123506	Estimated gross national income per capita, female (2017 PPP \$)
123606	Estimated gross national income per capita, male (2017 PPP \$)
69706	Expected years of schooling (years)
123306	Expected years of schooling, female (years)
123406	Expected years of schooling, male (years)
133206	Exports and imports (% of GDP)
175006	Female share of employment in senior and middle management (%)
53506	Foreign direct investment, net inflows (% of GDP)
100806	Forest area (% of total land area)
164206	Forest area, change (%)
174306	Fossil fuel energy consumption (% of total energy consumption)
97106	Fresh water withdrawals (% of total renewable water resources)
194906	GDP per capita (2017 PPP \$)
137906	Gender Development Index (GDI)
68606	Gender Inequality Index (GII)
149206	Government expenditure on education (% of GDP)
178306	Gross capital formation (% of GDP)
194506	Gross domestic product (GDP), total (2017 PPP \$ billions)
133006	Gross enrolment ratio, pre-primary (% of preschool-age children)
63206	Gross enrolment ratio, primary (% of primary school-age population)
63306	Gross enrolment ratio, secondary (% of secondary school-age population)
63406	Gross enrolment ratio, tertiary (% of tertiary school-age population)
65606	Gross fixed capital formation (% of GDP)
195706	Gross national income (GNI) per capita (constant 2017 PPP\$)
146206	HDI rank
58006	HIV prevalence, adult (% ages 15-49)
149406	Homeless people due to natural disaster (average annual per million people)
61006	Homicide rate (per 100,000 people)
137506	Human Development Index (HDI)
136906	Human Development Index (HDI), female
137006	Human Development Index (HDI), male
103606	Income index
67106	Income inequality, Gini coefficient
135106	Income inequality, quintile ratio

186906	Income share held by poorest 40%
186106	Income share held by richest 1%
187006	Income share held by richest 10 %
101606	Inequality in education (%)
101706	Inequality in income (%)
101806	Inequality in life expectancy (%)
71406	Inequality-adjusted education index
138806	Inequality-adjusted HDI (IHDI)
71606	Inequality-adjusted income index
71506	Inequality-adjusted life expectancy index
64406	Infants lacking immunization, DTP (% of one-year-olds)
64306	Infants lacking immunization, measles (% of one-year-olds)
111106	International inbound tourists (thousands)
147206	International student mobility (% of total tertiary enrolment)
178106	Internet users, female (% of female population)
43606	Internet users, total (% of population)
148206	Labour force participation rate (% ages 15 and older)
48706	Labour force participation rate (% ages 15 and older), female
48806	Labour force participation rate (% ages 15 and older), male
183906	Labour share of GDP, comprising wages and social protection transfers (%)
69206	Life expectancy at birth (years)
120606	Life expectancy at birth, female (years)
121106	Life expectancy at birth, male (years)
103206	Life expectancy index
101406	Literacy rate, adult (% ages 15 and older)
182106	Malaria incidence (per 1,000 people at risk)
128106	Mandatory paid maternity leave (days)
89006	Maternal mortality ratio (deaths per 100,000 live births)
103006	Mean years of schooling (years)
24106	Mean years of schooling, female (years)
24206	Mean years of schooling, male (years)
47906	Median age (years)
46006	Mobile phone subscriptions (per 100 people)
174506	Mortality rate attributed to household and ambient air pollution (per 100,000 population, age-standardized)
174606	Mortality rate attributed to unsafe water, sanitation and hygiene services (per 100,000 population)
57806	Mortality rate, female adult (per 1,000 people)
57206	Mortality rate, infant (per 1,000 live births)
57906	Mortality rate, male adult (per 1,000 people)
57506	Mortality rate, under-five (per 1,000 live births)
38406	Multidimensional poverty index (MPI)
97306	Natural resource depletion (% of GNI)
110806	Net migration rate (per 1,000 people)
99106	Net official development assistance received (% of GNI)
184306	Number of deaths and missing persons attributed to disasters (per 100,000 population)
122006	Old-age (65 and older) dependency ratio (per 100 people ages 15-64)
123806	Old-age pension recipients (% of statutory pension age population)
73506	Overall loss in HDI due to inequality (%)
183206	Overall loss in HDI value due to inequality, average annual change (%)
185306	Percentage of primary schools with access to the internet
185406	Percentage of secondary schools with access to the internet
63106	Population ages 15-64 (millions)
132706	Population ages 65 and older (millions)
38606	Population in multidimensional poverty, headcount (%)
102006	Population in multidimensional poverty, headcount (thousands) (for the year of the survey)
183406	Population in multidimensional poverty, headcount (thousands) (projection for 2018)

38506	Population in multidimensional poverty, intensity of deprivation (%)
101006	Population in severe multidimensional poverty (%)
39006	Population living below income poverty line, national poverty line (%)
167106	Population living below income poverty line, PPP \$1.90 a day (%)
132806	Population under age 5 (millions)
182806	Population using safely managed drinking-water services (%)
195206	Population using safely managed sanitation services (%)
142506	Population vulnerable to multidimensional poverty (%)
23806	Population with at least some secondary education (% ages 25 and older)
23906	Population with at least some secondary education, female (% ages 25 and older)
24006	Population with at least some secondary education, male (% ages 25 and older)
181506	Prevalence of female genital mutilation/cutting among girls and women (% of girls and women ages 15?49)
46106	Primary school dropout rate (% of primary school cohort)
45806	Primary school teachers trained to teach (%)
128306	Prison population (per 100,000 people)
111306	Private capital flows (% of GDP)
177006	Programme for International Student Assessment (PISA) score in mathematics
176906	Programme for International Student Assessment (PISA) score in reading
176806	Programme for International Student Assessment (PISA) score in science
181206	Proportion of births attended by skilled health personnel (%)
184006	Proportion of informal employment in nonagricultural employment (% of total employment in nonagriculture)
193006	Proportion of informal employment in nonagricultural employment, female (% of total employment in nonagriculture)
46206	Pupil-teacher ratio, primary school (pupils per teacher)
179706	Ratio of education and health expenditure to military expenditure
181606	Red List Index (value)
21806	Refugees by country of origin (thousands)
52606	Remittances, inflows (% of GDP)
52306	Research and development expenditure (% of GDP)
181706	Rural population with access to electricity (%)
49006	Sex ratio at birth (male to female births)
175106	Share of employment in nonagriculture, female (% of total employment in nonagriculture)
183506	Share of graduates from science, technology, engineering and mathematics programmes in tertiary education who are female (%)
183706	Share of graduates from science, technology, engineering and mathematics programmes in tertiary education who are male (%)
175906	Share of graduates in science, technology, engineering and mathematics programmes at tertiary level, female (%)
180706	Share of graduates in science, technology, engineering and mathematics programmes at tertiary level, male (%)
194306	Share of seats held by women in local government (%)
31706	Share of seats in parliament (% held by women)
179406	Skilled labour force (% of labour force)
112606	Suicide rate, female (per 100,000 people, age-standardized)
112506	Suicide rate, male (per 100,000 people, age-standardized)
177706	Survival rate to the last grade of lower secondary general education (%)
174206	Total debt service (% of exports of goods, services and primary income)
44206	Total population (millions)
169706	Total unemployment rate (female to male ratio)
182206	Tuberculosis incidence (per 100,000 people)
140606	Unemployment, total (% of labour force)
110906	Unemployment, youth (% ages 15?24)
175606	Unmet need for family planning (% of married or in-union women of reproductive age, 15?49 years)
45106	Urban population (%)
196006	Use of fertilizer nutrient nitrogen (N), per area of cropland (kg per hectare)

196106	Use of fertilizer nutrient phosphorus (expressed as P2O5), per area of cropland (kg per hectare)
167406	Violence against women ever experienced, intimate partner (% of female population ages 15 and older)
167506	Violence against women ever experienced, nonintimate partner (% of female population ages 15 and older)
43006	Vulnerable employment (% of total employment)
175706	Women with account at financial institution or with mobile money-service provider (% of female population ages 15 and older)
153706	Working poor at PPP\$3.20 a day (% of total employment)
121206	Young age (0-14) dependency ratio (per 100 people ages 15-64)
147906	Youth not in school or employment (% ages 15-24)
169806	Youth unemployment rate (female to male ratio)

Countries

Country Code	Country Name
AFG	Afghanistan
ALB	Albania
DZA	Algeria
AND	Andorra
AGO	Angola
ATG	Antigua and Barbuda
ARG	Argentina
ARM	Armenia
AUS	Australia
AUT	Austria
AZE	Azerbaijan
BHS	Bahamas
BHR	Bahrain
BGD	Bangladesh
BRB	Barbados
BLR	Belarus
BEL	Belgium
BLZ	Belize
BEN	Benin
BTN	Bhutan
BOL	Bolivia (Plurinational State of)
BIH	Bosnia and Herzegovina
BWA	Botswana
BRA	Brazil
BRN	Brunei Darussalam
BGR	Bulgaria
BFA	Burkina Faso
BDI	Burundi
CPV	Cabo Verde
KHM	Cambodia
CMR	Cameroon
CAN	Canada
CAF	Central African Republic
TCD	Chad
CHL	Chile
CHN	China
COL	Colombia
COM	Comoros
COG	Congo
COD	Congo (Democratic Republic of the)
CRI	Costa Rica

CIV	Cote d'Ivoire
HRV	Croatia
CUB	Cuba
CYP	Cyprus
CZE	Czechia
DNK	Denmark
DJI	Djibouti
DMA	Dominica
DOM	Dominican Republic
ECU	Ecuador
EGY	Egypt
SLV	El Salvador
GNQ	Equatorial Guinea
ERI	Eritrea
EST	Estonia
SWZ	Eswatini (Kingdom of)
ETH	Ethiopia
FJI	Fiji
FIN	Finland
FRA	France
GAB	Gabon
GMB	Gambia
GEO	Georgia
DEU	Germany
GHA	Ghana
GRC	Greece
GRD	Grenada
GTM	Guatemala
GIN	Guinea
GNB	Guinea-Bissau
GUY	Guyana
HTI	Haiti
HND	Honduras
HKG	Hong Kong, China (SAR)
HUN	Hungary
ISL	Iceland
IND	India
IDN	Indonesia
IRN	Iran (Islamic Republic of)
IRQ	Iraq
IRL	Ireland
ISR	Israel
ITA	Italy
JAM	Jamaica
JPN	Japan
JOR	Jordan
KAZ	Kazakhstan
KEN	Kenya
KIR	Kiribati
PRK	Korea (Democratic People's Rep. of)
KOR	Korea (Republic of)
KWT	Kuwait
KGZ	Kyrgyzstan
LAO	Lao People's Democratic Republic
LVA	Latvia
LBN	Lebanon
LSO	Lesotho

LBR	Liberia
LBY	Libya
LIE	Liechtenstein
LTU	Lithuania
LUX	Luxembourg
MDG	Madagascar
MWI	Malawi
MYS	Malaysia
MDV	Maldives
MLI	Mali
MLT	Malta
MHL	Marshall Islands
MRT	Mauritania
MUS	Mauritius
MEX	Mexico
FSM	Micronesia (Federated States of)
MDA	Moldova (Republic of)
MCO	Monaco
MNG	Mongolia
MNE	Montenegro
MAR	Morocco
MOZ	Mozambique
MMR	Myanmar
NAM	Namibia
NRU	Nauru
NPL	Nepal
NLD	Netherlands
NZL	New Zealand
NIC	Nicaragua
NER	Niger
NGA	Nigeria
MKD	North Macedonia
NOR	Norway
OMN	Oman
PAK	Pakistan
PLW	Palau
PSE	Palestine, State of
PAN	Panama
PNG	Papua New Guinea
PRY	Paraguay
PER	Peru
PHL	Philippines
POL	Poland
PRT	Portugal
QAT	Qatar
ROU	Romania
RUS	Russian Federation
RWA	Rwanda
KNA	Saint Kitts and Nevis
LCA	Saint Lucia
VCT	Saint Vincent and the Grenadines
WSM	Samoa
SMR	San Marino
STP	Sao Tome and Principe
SAU	Saudi Arabia
SEN	Senegal
SRB	Serbia

SYC	Seychelles
SLE	Sierra Leone
SGP	Singapore
SVK	Slovakia
SVN	Slovenia
SLB	Solomon Islands
SOM	Somalia
ZAF	South Africa
SSD	South Sudan
ESP	Spain
LKA	Sri Lanka
SDN	Sudan
SUR	Suriname
SWE	Sweden
CHE	Switzerland
SYR	Syrian Arab Republic
TJK	Tajikistan
TZA	Tanzania (United Republic of)
THA	Thailand
TLS	Timor-Leste
TGO	Togo
TON	Tonga
TTO	Trinidad and Tobago
TUN	Tunisia
TUR	Turkey
TKM	Turkmenistan
TUV	Tuvalu
UGA	Uganda
UKR	Ukraine
ARE	United Arab Emirates
GBR	United Kingdom
USA	United States
URY	Uruguay
UZB	Uzbekistan
VUT	Vanuatu
VEN	Venezuela (Bolivarian Republic of)
VNM	Viet Nam
YEM	Yemen
ZMB	Zambia
ZWE	Zimbabwe

Years

- 1990
- 1995
- 2000
- 2005
- 2010
- 2011
- 2012
- 2013
- 2014
- 2015
- 2016
- 2017
- 2018
- 2019