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Adolescent Health Dashboards

UNICEF Headquarters

Division of Data Analysis Planning and Monitoring / Data and Analytics team

Contact:

Liliana Carvajal
lcarvajal@unicef.org

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Basic Demographics About Adolescents

01.

The proportion of adolescents in the global population peaked around 1980 and is now on the decline almost everywhere, a trend expected to continue through 2050. The absolute number of adolescents, however, is expected to rise during that same period.

02.

More than half of the world's adolescents live in Asia.

03.

Adolescents in sub-Saharan Africa make up the greatest proportion (nearly one fourth) of the population in the region.

1.2B

Adolescents aged 10-19 years make up 16% of the world's population.

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Non-Communicable Diseases (NCDs) and Injuries

01.

Non-communicable diseases (NCDS), also known as chronic diseases, are non-transmissible, often of long duration, and include diseases such as stroke, heart disease, and diabetes. 85% of all NCD deaths occur in low- and middle—income countries.

02.

Between 35-52% of all deaths among boys 10-19 years are due to injuries, whereas among girls aged 10-19, they cause 23-28% of all deaths (road injuries, interpersonal violence, self-harm, and drowning are the most common types of injuries).

03.

NCDs and injuries are the overall leading causes of death and ill health.

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Good data on NCD burden of disease, risk factors, and national policies and plans are necessary to guide regional and national agendas on sustainable development.

UNICEF Adolescent Health Dashboard

Overview

The Adolescent Health Dashboard contains data for:

- **43** indicators
- **203** countries

Four main categories:

1) **Context:** demographic indicators, contextual factors, national policies strategies and plans on key health indicators.
2) **Burden of Disease:** deaths and YLDs estimates disaggregated by age and gender (WHO GHE 2020).
3) **Risk Factors and Other Determinants of Adolescent Health:** nutritional, behavioral, social interactions, education and learning.
4) **Definitions and Sources:** provides indicator definitions, sources and links to data.

Data Sources

And more…

Regional and Country Dashboards

https://data.unicef.org/resources/adolescent-health-dashboard-regional-profiles/

https://data.unicef.org/resources/test-adolescent-health-dashboards-country-profiles/

Country profiles

https://data.unicef.org/resources/adolescent-health-dashboards-country-profiles/

Context

United Republic of Tanzania

Demographic Indicators and Contextual Factors

Export data

Total population (000's)

2019
58,005

Adolescent population (age 10-19) (000's)

	2019
Boys	6,879
Girls	6,757
Total	13,636

% of total

2019
12%
12%
24%

Adolescent birth rate (per 1,000 girls age 15-19)

2016
139

Adolescent mortality rate by age group

Population living below the national poverty line

2011
28%

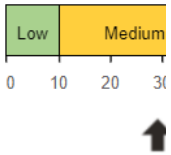
Population with moderate to severe food insecurity

2016-18
69%

Adolescents (age 10-17) with functional difficulties in at least one domain

Data not available

Air
Level of fine parti
Average anr



National Policies and Plans

Key: Yes | Yes (selected population groups) | No | Unknown

Export data

Policies and programmes

Operational, multisectoral national NCD policy, strategy or action plan that integrates several NCDs and their risk factors	Yes
Operational policy/strategy/action plan to reduce physical inactivity	Yes
National adolescent health programme	Yes
National policy to prohibit the selling of unhealthy food and sweetened beverages in or close to schools	No
National policy/law designating an appropriate minimum age for purchase or consumption of alcoholic beverages	Yes
National policy/law to prohibit sales of tobacco products to minors	Yes
Plan or strategy for child and/or adolescent mental health	No

No legal age limit for unmarried adolescents to access services without parental/legal consent

Contraceptive services (except sterilization)	Yes
HIV testing and counselling	Yes
Mental health services	No

User fee exemptions for adolescents

Contraceptives	Yes
HIV testing and counselling	Yes
Mental health care	Yes (selected population groups)
Rehab for substance abuse	Yes (selected population groups)
Testing and treatment of sexually transmitted infections	Yes (selected population groups)
Vaccination for HPV	Yes

Taxation

Sugar-sweetened beverages	Yes
Beer	Yes
Spirits	Yes
Wine	Yes

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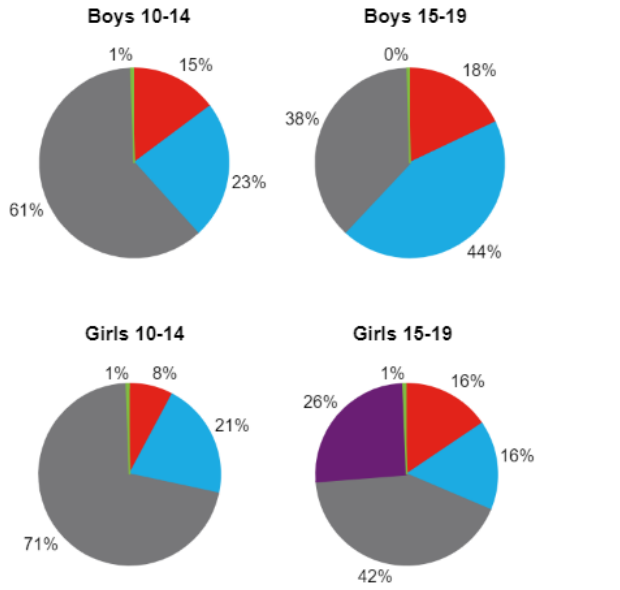
Burden of Disease

United Republic of Tanzania

Causes of death among adolescents age 10-19

Deaths by cause (2019)



Top 5 causes of death (2019)

Export data

	Boys 10-14	Boys 15-19
1	HIV/AIDS	Road injury
2	Malaria	Interpersonal violence
3	Road injury	HIV/AIDS
4	Diarrhoeal diseases	Tuberculosis
5	Lower respiratory infections	Malaria

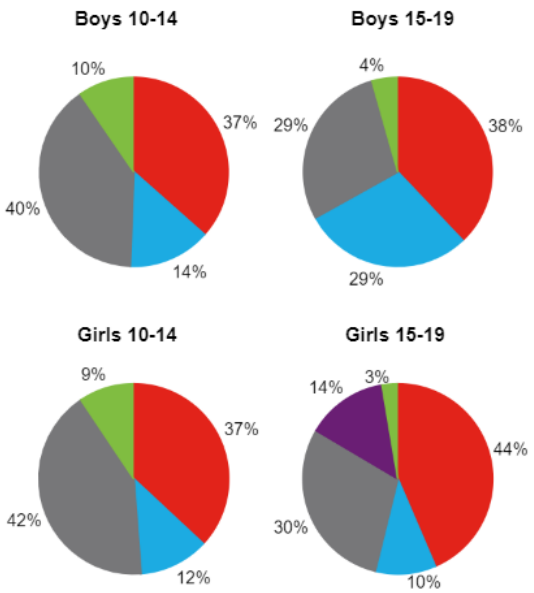
	Girls 10-14	G
1	HIV/AIDS	Maternal cond
2	Malaria	HIV/AIDS
3	Road injury	Road injury
4	Tuberculosis	Diarrhoeal dis
5	Diarrhoeal diseases	Tuberculosis

Non-communicable diseases
Injuries
Communicable diseases
Matern
Nutritic

Burden of disease among adolescents age 10-19

Burden measure: Disability-adjusted life years (DA...

DALYs by cause (2019)



DALYs Top 5 causes of (2019)

Export data

	Boys 10-14	Boys 15-19
1	HIV/AIDS	Road injury
2	Malaria	Interpersonal violence
3	Iron-deficiency anaemia	Tuberculosis
4	Road injury	HIV/AIDS
5	Diarrhoeal diseases	Malaria

	Girls 10-14	Girls 15-19
1	HIV/AIDS	Maternal conditions
2	Malaria	HIV/AIDS
3	Iron-deficiency anaemia	Depressive disorders
4	Road injury	Malaria
5	Anxiety disorders	Diarrhoeal diseases

Non-communicable diseases
Injuries
Communicable diseases
Maternal conditions (girls 15-19)
Nutritional conditions

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Also presenting Years Lost to Disability (Source: WHO GHE 2019)

Risk Factors

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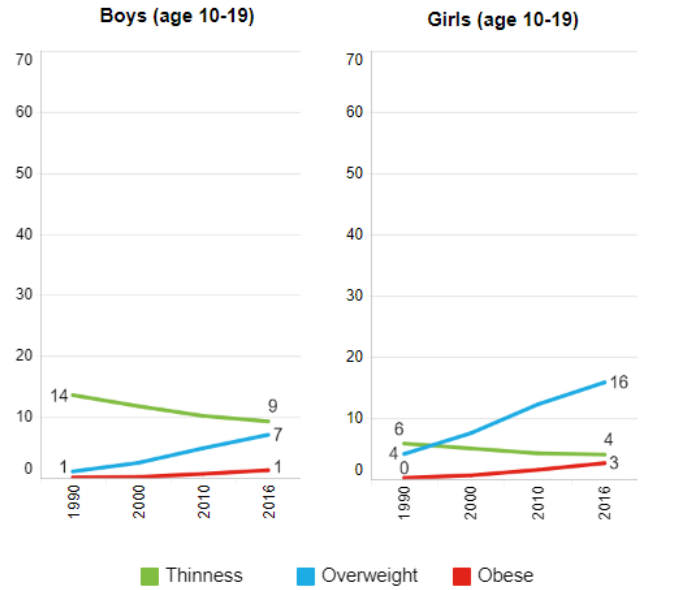
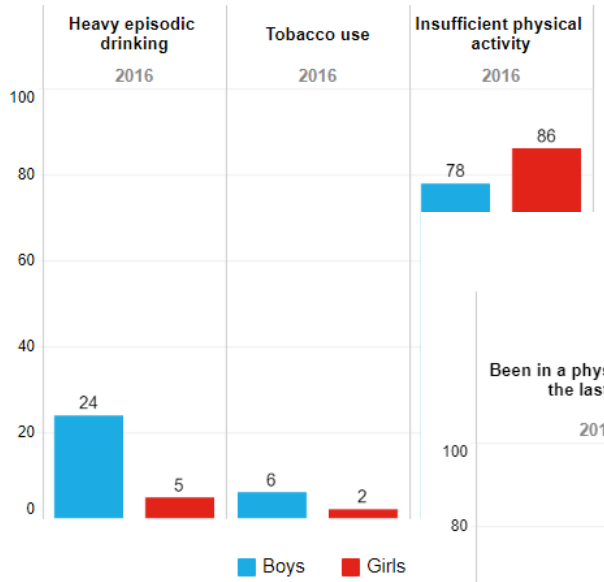
NCD Risk Factors and Other Determinants of Adolescent Health and Wellbeing

Export data

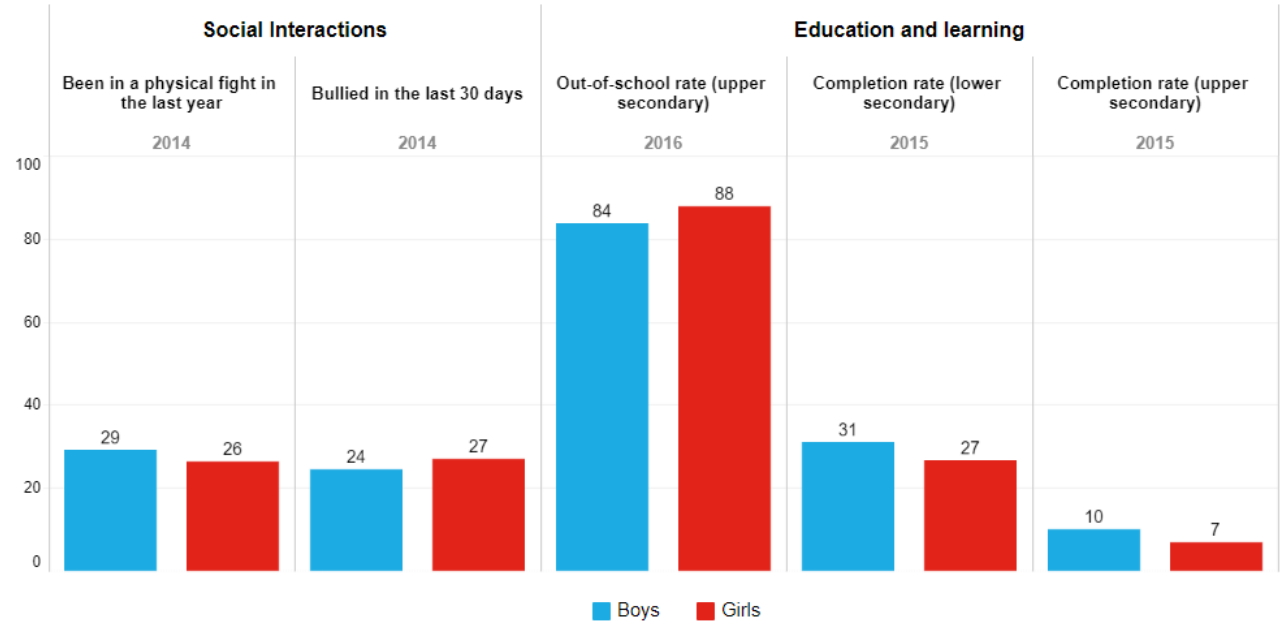
Trends in prevalence (%) of nutritional risk factors (1990-2016)



Prevalence (%) of behavioural risk factors



Other determinants of adolescent health and wellbeing (%)



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Definitions and Sources

United Republic of Tanzania

Indicator Definitions and Sources

Demographic indicators and contextual factors

Total population and adolescent population
Source: United Nations, Department of Economic and Social Affairs, Population Division (2019). https://population.un.org/wpp/Download/Standard/Population/

Adolescent birth rate (SDG 3.7.2): Annual number of births to females aged 15-19 years per 1,000 females in the respective age group.
Source: https://unstats.un.org/sdgs/indicators/database/

Adolescent mortality rate (by age): The probability of dying between exact age 10 and exact age 15, expressed per 1,000 children aged 10; The probability of dying between exact age 15 and exact age 20, expressed per 1,000 youths aged 15
Source: UN Inter-agency Group for Child Mortality Estimation (UN IGME 2020). https://data.unicef.org/resources/dataset/child-mortality/

Population living below the national poverty line: The percentage of the total population living below the national poverty line based on total household consumption or income.
Source: World Development Indicators database, World Bank. https://unstats.un.org/sdgs/indicators/database/

Population with moderate to severe food insecurity (SDG 2.1.2): Food insecurity, defined by the Food Insecurity Experience Scale (FIES) is the uncertainty regarding food access and changes in the quality of diet resulting from worsened food access. Moderate food insecurity is associated with the the inability to eat healthy, nutritious diets, whilst severe food insecurity is more strongly related to insufficient quantity of food due to lack of money and resources, leading to undernourishment and hunger.
Source: FAO Estimates 2016-18. https://unstats.un.org/sdgs/indicators/database/?indicator=2.1.2

Functional difficulties (a) in at least one domain (b): (a) Functional difficulty for children age 10-17 years is defined as having responded "A lot of difficulty" or "Cannot at all" to questions within all listed domains, except the last domains of anxiety and depression, for which the response category "Daily" is considered a functional difficulty. (b) Functioning domains: Seeing, Hearing, Walking, Self-care, Communication, Learning, Remembering, Concentrating, Accepting change, Controlling behaviour, Making friends, Anxiety, Depression.
Source: Multiple Indicator Cluster Surveys (MICS6). https://mics.unicef.org/surveys

Air Quality Standard: Air quality is measured as the population-weighted average concentration of fine particle air pollution, or PM2.5, measured in micrograms or particles per

National policies and plans

Policies and programmes: Sources: WHO Policies, strategies and action plans (WHO Global Health Observatory); World Health Organization. (2018). Mental health atlas 2017; Global Survey on Alcohol and Health (2016); NCD Country Capacity Survey (2019). https://www.who.int/data/gho/data/indicators, https://www.who.int/data/maternal-newborn-child-adolescent/indicator-explorer-new

User Fee Exemption for Adolescents: Lists whether or not there are fee exemptions for adolescents (10-19) for the following services: mental health care, rehab services to treat substance use, HPV vaccination, testing and treatment for sexually transmitted infections, contraceptives, and HIV counselling and testing.

No legal age limit for unmarried adolescents to access services without parental/legal

Causes of death among adolescents age 10-19

Adolescent deaths: Number of deaths amongst adolescent aged 10-19 years.

Charts show the distribution of deaths by cause and the top 5 level 3 causes of death by age and sex.

Communicable diseases and maternal, prenatal and nutrition conditions: Include infectious and parasitic diseases, respiratory infections, and nutritional deficiencies.

Non-communicable diseases (NCDs): NCDs are chronic diseases, which mainly include cardiovascular disease, cancer, diabetes, and chronic respiratory disease.

Injuries: Include intentional and non-intentional injuries. Intentional injuries include self-harm, and violence related injury. Non-intentional injuries include road injury, drowning, poisoning and

Burden of disease among adolescents age 10-19

Disability-Adjusted Life Years (DALYs): DALYs are a measure of the burden of disease, with one DALY representing one year of healthy life lost due to ill health, disability or early death.

Years lived with disability (YLDs): YLD is a measure of non-fatal burden of disease, with one YLD representing one full year of healthy life lost due to disability or ill-health. YLDs are calculated as the prevalence of each non-fatal condition multiplied by its disability weight, which reflects condition severity.

The charts show the distribution and top 5 causes of DALYs/YLDs by age and sex

NCD risk factors and other determinants of adolescent health and wellbeing

Nutritional Risk Factors

Overweight: Percentage of adolescents aged 10-19 years with BMI > 1 SD of the median according to the WHO growth reference for school-age children and adolescents.

Obesity: Percentage of adolescents aged 10-19 years with BMI > 2 SD of the median according to the WHO growth reference for school-age children and adolescents.

Thinness: Percentage of adolescents aged 10–19 years with BMI < -2 SD of the median according to the WHO growth reference for school-age children and adolescents.

Source: NCD Risk Factor Collaboration (NCD-RisC), based on Worldwide trends in body-mass index, underweight, overweight and obesity from 1975 to 2016: a pooled analysis of 2416 population-based measurement studies in 128.9 million children, adolescents, and

Behavioral Risk Factors

Heavy episodic drinking: The proportion of adolescents age 15-19 who have had at least 60 grams or more of pure alcohol on at least one occasion in the past 30 days. A consumption of 60 grams of pure alcohol corresponds approximately to 6 standard alcoholic drinks.

Tobacco Use: The proportion of adolescents age 13-15 who smoked cigarettes or used smoked or smokeless tobacco products at any time during the past 30 days.

Insufficient Physical Activity: The proportion of adolescents age 11-17 doing less than 60 minutes of moderate- to vigorous-intensity physical activity daily.

Sources: WHO Global Information System on Alcohol and Health (2018); Global Youth Tobacco Survey (GYTS), Global School-based Student Health Survey (GSHS), Health Behaviour in School-aged Children Study (HBSC), and other national surveys; Global

Social Interactions

Bullying : Percentage of students aged 13-15 who reported being bullied on one or more days in the past 30 days.

Been in a Physical Fight: Percentage of adolescents aged 13-15 who have been in a physical fight in the past year.

Sources: Health Behaviour in School-aged Children Study (HBSC) and Global School-based Student Health Surveys (GSHS). Data downloaded from WHO MNCAH Data Portal.

Education and Learning

NEET: Percentage of adolescents aged 15-19 not in education, employment, or training.
Source: International Labour Organization – National Labor Force Survey 2018.
https://ilostat.ilo.org/data/

Out of school rate (upper secondary): Proportion of youth of upper secondary school age who are not enrolled in primary, secondary, or higher education.

Completion rate (lower and upper secondary education) (SDG 4.1.2): Percentage of young people aged 3-5 years above the intended age for the last grade of each level of education who have completed that grade.

Export All

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Regional profiles

UNICEF regions and SDG regions

https://data.unicef.org/resources/adolescent-health-dashboard-regional-profiles/

World

Demographic Indicators and Contextual Factors

Total population (000's)

2019

7,673,998

Adolescent population (age 10-19) (000's)

	2019
Boys	641,636
Girls	599,173
Total	1,240,810

% of total

2019
8%
8%
16%

Adolescent birth rate (per 1,000 girls age 15-19)

2014-2019

42

Adolescent mortality rate

	2019
10-14 years	3
15-19 years	5

Deaths per 1,000 children aged 10;
Deaths per 1,000 youths aged 15.

Population living below the national poverty line

2014-2019

18%

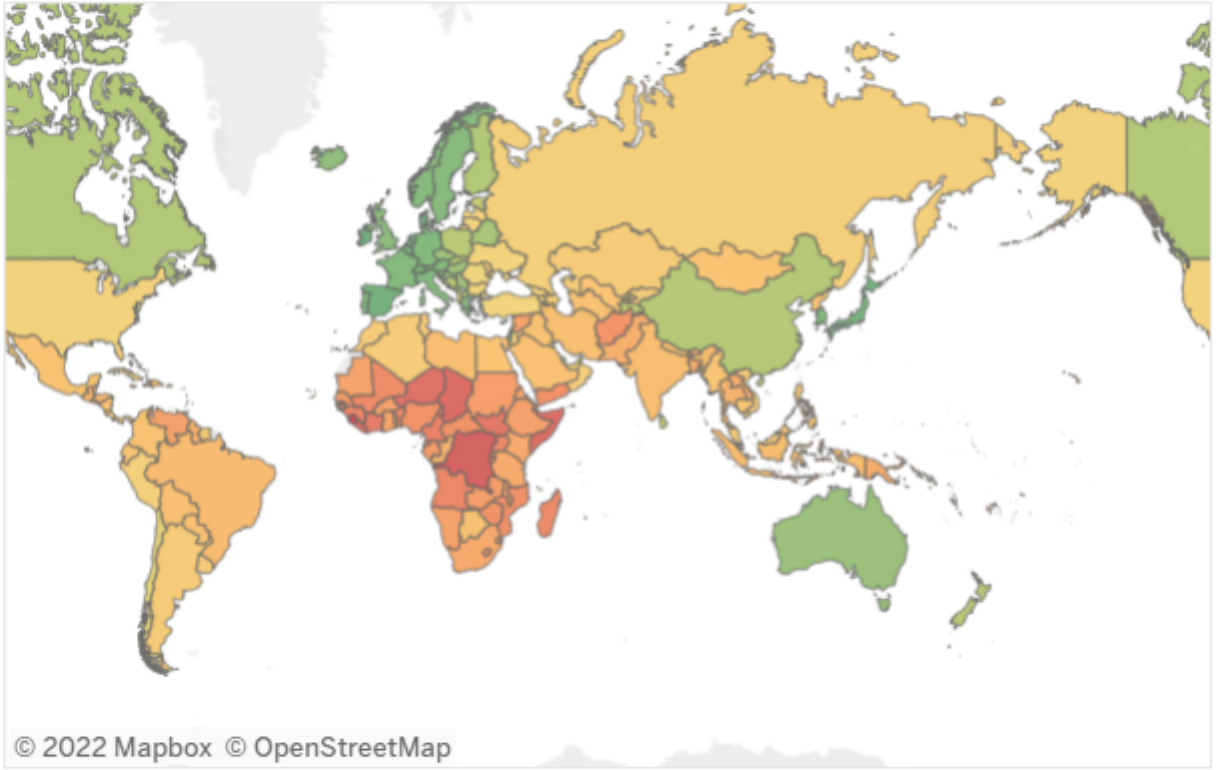
Population with moderate to severe food insecurity

2014-2019

19%

Export data

Adolescent (age 10-19) mortality rate by country (2019)



Mortality rate: The probability of dying between age 10 and age 20, expressed as deaths per 1,000 children aged 10.

The boundaries and names shown, and the designations used on this map do not imply official endorsement or acceptance by the United Nations.

Filter datapoints:

(All)

Prevalence (%) of behavioural risk factors and other determinants of adolescent health and wellbeing (2014-2019)

High values associated with poor outcomes:

%

5

High values associated with good outcomes:

%

95

	Behavioural risk factors						Social Interactions				Education and learning							
	High values associated with poor outcomes						High values associated with poor outcomes				High values associated with poor outcomes				High values associated with good outcomes			
	Heavy episodic drinking		Tobacco use		Physical inactivity		Been in a physical fight in the last year		Bullied in the last 30 days		Not in education, employment or training		Out-of-school rate (upper secondary)		Completion rate (lower secondary)		Completion rate (upper secondary)	
	Boys	Girls	Boys	Girls	Boys	Girls	Boys	Girls	Boys	Girls	Boys	Girls	Boys	Girls	Boys	Girls	Boys	Girls
- ESAR	17	3											60	63	40	40	24	22
Angola	42	15											79	85	42	32	24	15
Botswana	21	4			86	89	54	42	53	52			16	16				
Burundi	19	3											67	62	29	26	9	7
Comoros	0	0	16	8														
Eritrea	9	1																
Eswatini	19	4					25	14	32									
Ethiopia	11	2																
Kenya	12	2			85	89	51	46	57									
Lesotho	9	1																
Madagascar	10	1	17	7														
Malawi	12	2					24	21	43									
Mauritius	14	2	23	14	76	88	49	22	42									
Mozambique	11	2	5	6	83	91	36	35	45	43			65	73	18	12	9	5
Namibia	20	4			86	88	43	28	45	46	17	22	36	41	49	63	35	38
Rwanda	23	4									21	27	50	49	25	30	19	16
Seychelles	35	8	27	16	79	87	38	25	40	46			24	12				
Somalia	0	0											78	87	35	14	14	3
South Africa	20	4									13	15	22	20	85	90	45	52
South Sudan													57	72	22	9	10	3
Uganda	24	5	12	9	84	87	39	32	50	41			71	79	28	25	20	16
United Republic of Ta..	24	5	7	2	78	86	29	26	24	27			84	88	31	27	10	7
Zambia	15	2			89	89	50	56	63	67	26	34			54	48	32	26
Zimbabwe	9	1	22	16	85	89							45	50	54	54	17	12

Prevalence of Out-of-school rate (upper secondary): 16%
Region/Country: **Botswana**
Population: **Girls The official age range for upper secondary education**
Note: **Not included in regional average**
Source: **UNESCO Institute of Statistics (UIS) database 2020.**
Year: **2003**

Regional aggregates only:
Population coverage:
Total countries with datapoint:
Total countries in region:

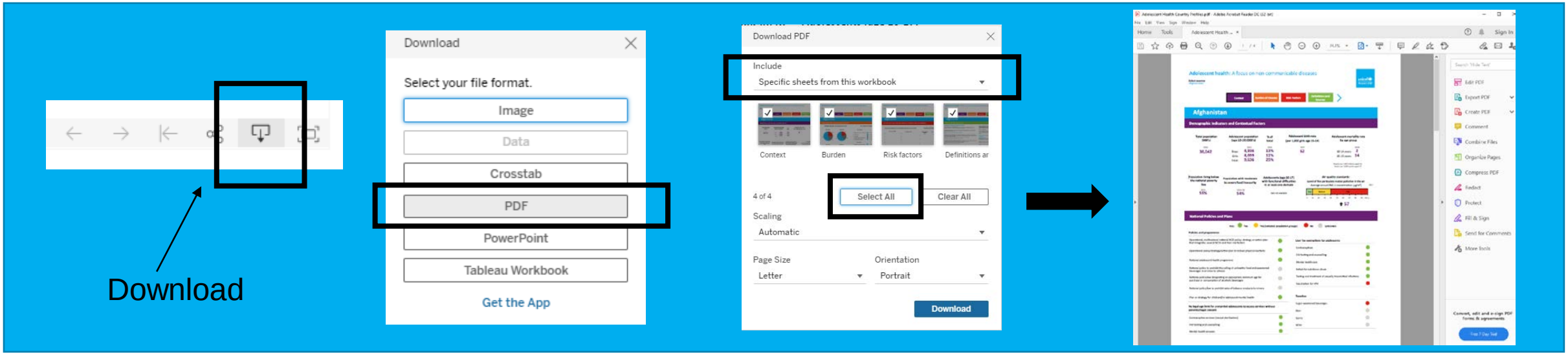
Downloading Content

You can download the following:

- Entire dashboard into a static PDF
- Underlying data

Download instructions are on the “Definitions and Sources” tab

- PDF example



Learning/advocacy modules on Adolescent health - data use for advocacy work

https://www.voicesofyouth.org/campaign/how-use-data-advocacy

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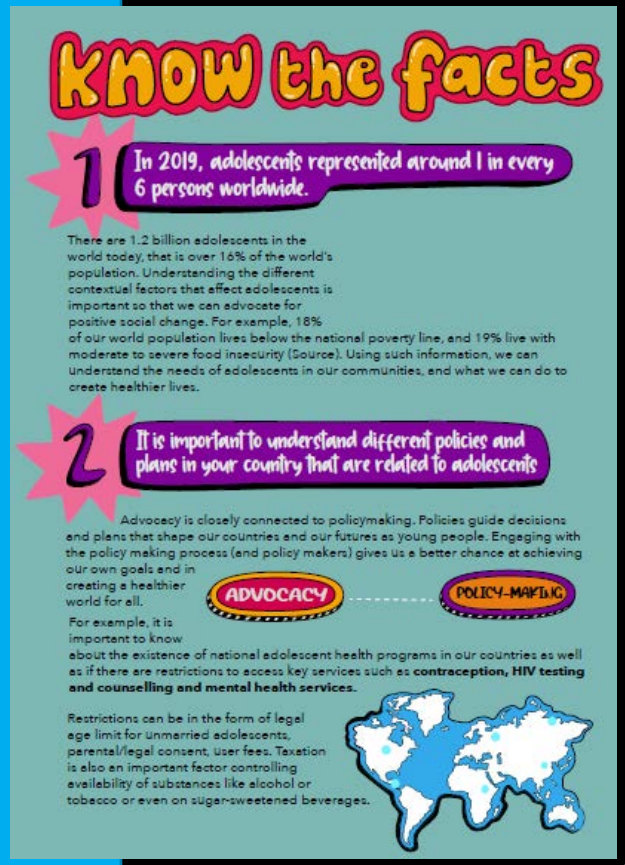
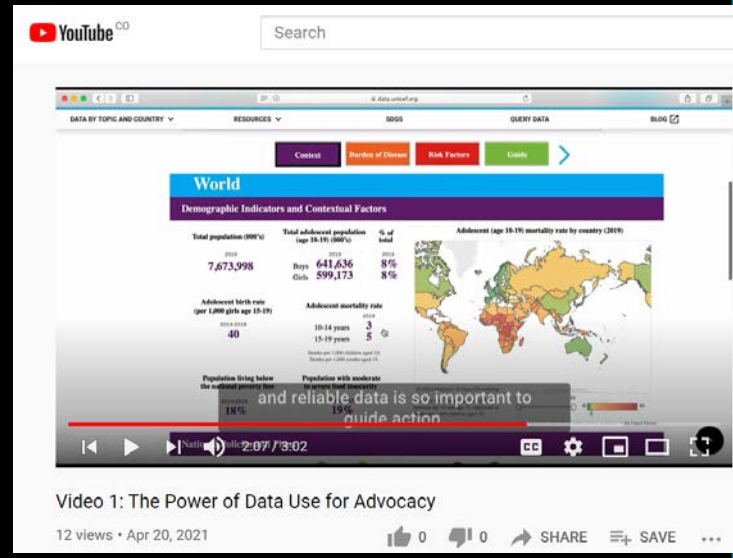
Advocacy module and 6 videos on data use explaining the dashboards





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PRIEZ POUR NOUS !

Q&A

Thank you

Contact:
Liliana Carvajal
lcarvajal@unicef.org

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