The Sustainable Development Goals Five Years On: where do we stand?

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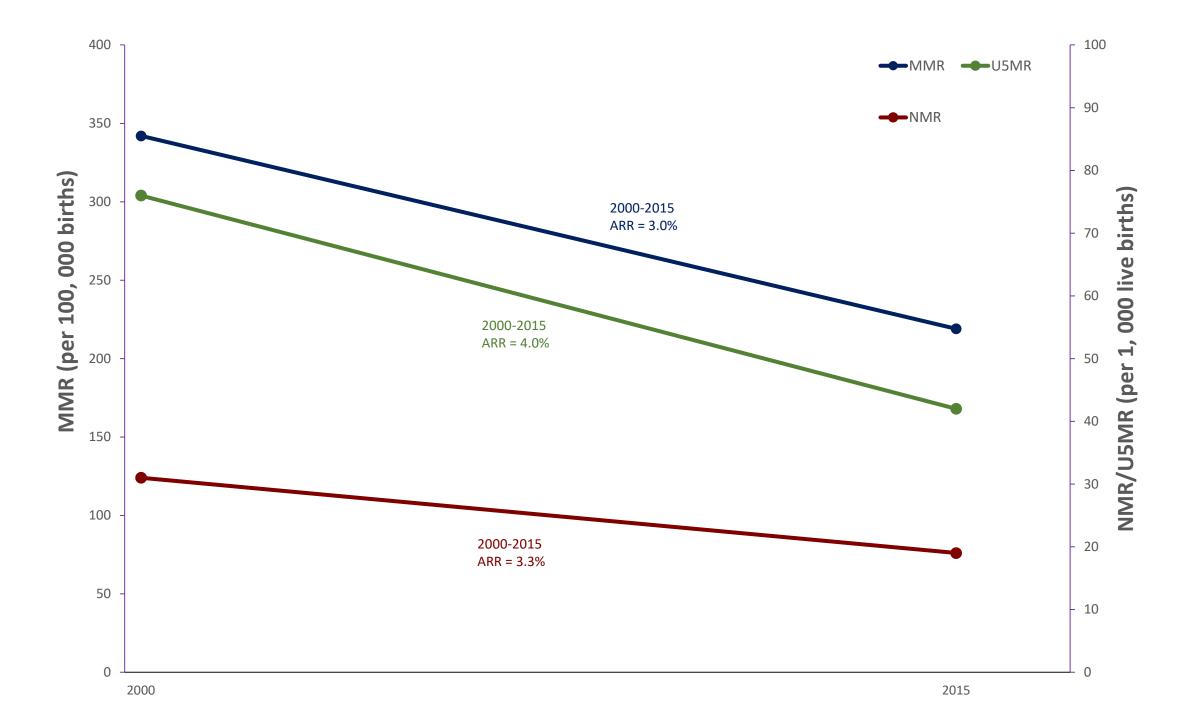
THE AGA KHAN UNIVERSITY

Millennium Development Goals (1990-2015) (agreed upon in September 2000)

- The eight international development goals for the year 2015 were established following the Millennium Summit of the United Nations in 2000, following the adoption of the United Nations Millennium Declaration.
- All 189 United Nations member states at the time (there are 193 currently), and at least 23 international organizations, committed to help achieve the following Millennium Development Goals by 2015:

The Millennium Development Goals (MDGs)





MDGs & Transition



MDGs & Transition



The SDGs are ...

- A set of 17 goals for the world's future, through 2030
- Backed up by a set of 169 detailed Targets
- Core principles of
 - Universality
 - Integration
 - Transformative
- Negotiated over a two-year period at the United Nations (agreed to by nearly all the world's nations on 25 Sept 2015)

MDGs

MDG	
Traditional assistance	
Limited goals	
Top-down process	
Traditional statistics	
Hunger and poverty together	
Quantity Education	
Funding: Focus on ODA	

MDGs & SDGs/Comparison

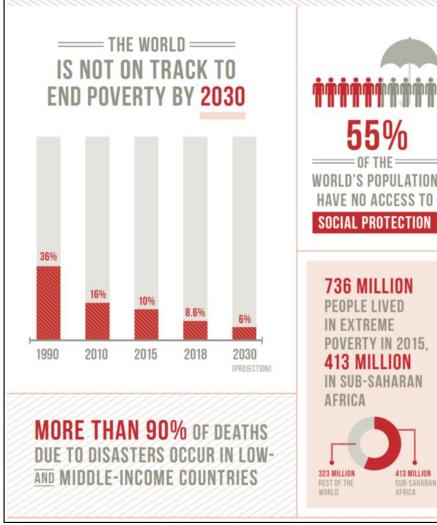
MDG	SDG		
Traditional assistance	Traditional assistance + Universal goals		
Limited goals	More comprehensive		
Top-down process	Inclusive goal setting		
Traditional statistics	Traditional + Data revolution		
Hunger and poverty together	Distinction		
Quantity Education	Quality Education		
Funding: Focus on ODA	Broader set of financial sources		

Health and Health-related SDGs



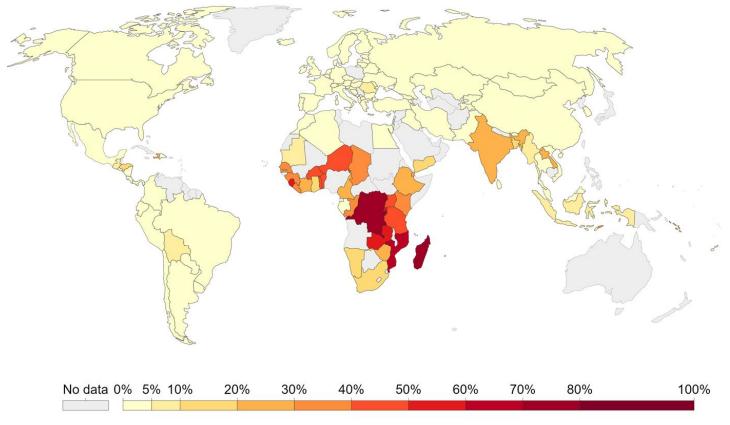
END POVERTY IN ALL ITS FORMS EVERYWHERE **MYA**A∔

1 NO POVERTY



Share of the population living in extreme poverty, 2017

The share of individuals living below the 'International Poverty Line' of \$1.90 per day.



Source: World Bank

413 MILLION

AFRICA

OurWorldInData.org/extreme-poverty/ • CC BY Note: Depending on the country and year, the poverty rate relates to either income or consumption. Figures are given in international-\$. This means they are adjusted for price differences between countries and adjusted for inflation to allow comparisons between countries and over time. Income/consumption is measured at the household level, and is assumed to be divided equally among all household members.





END HUNGER, ACHIEVE FOOD SECURITY AND IMPROVED NUTRITION AND PROMOTE SUSTAINABLE AGRICULTURE

SOUTHERN

ASIA

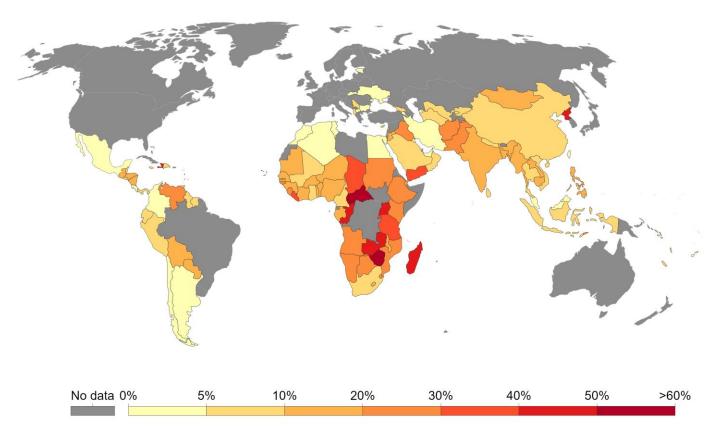
277 MILLION

Share of the population that are undernourished, 2017

Our World in Data



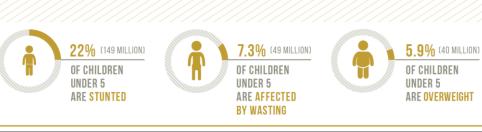
Share of individuals who have a habitual energy intake lower than their requirements.



Source: UN Food and Agriculture Organization (FAO)

OurWorldInData.org/hunger-and-undernourishment • CC BY

Note: Undernourishment is defined as having food energy intake which is lower than an individual's requirements, taking into account their age, gender, height, weight and activity levels.

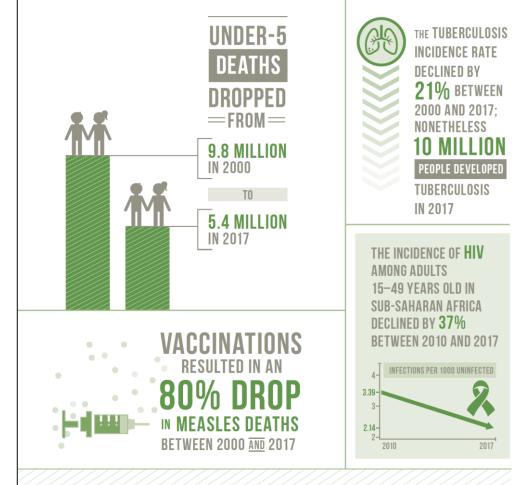


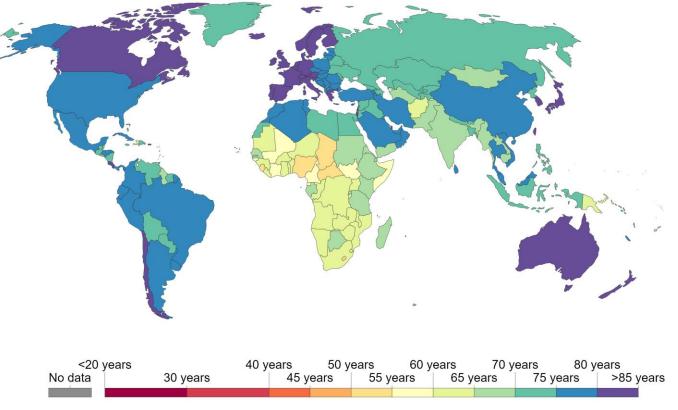


ENSURE HEALTHY LIVES AND PROMOTE Well-Being for all at all ages

Life expectancy, 2019







Source: Riley (2005), Clio Infra (2015), and UN Population Division (2019)

OurWorldInData.org/life-expectancy • CC BY

Note: Shown is period life expectancy at birth, the average number of years a newborn would live if the pattern of mortality in the given year were to stay the same throughout its life.

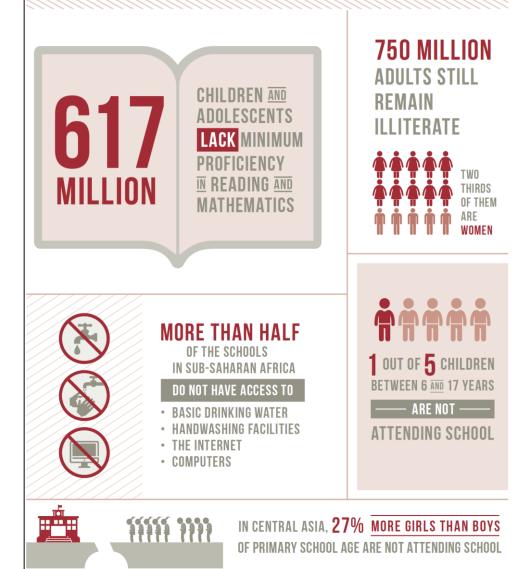
THERE WERE AN ESTIMATED **3.5 MILLION MORE MALARIA CASES** In the 10 highest-burden African countries in 2017 Compared to 2016



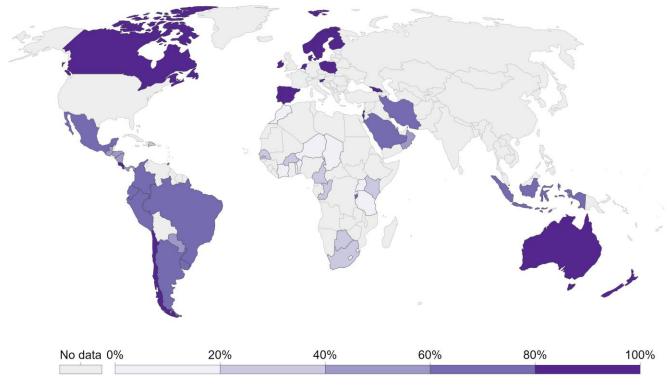




Our World in Data



Percentage of pupils in early primary education grades (2 or 3) achieving at least a minimum proficiency level in reading. The minimum proficiency level in reading and mathematics is as defined by each assessment. Data need to be interpreted with caution since the different assessments are not comparable.



Source: GEM Report - Statistical Tables (2017/8)

CC BY



ACHIEVE GENDER EQUALITY AND **EMPOWER ALL WOMEN AND GIRLS**

STILL, **30%**

OF WOMEN AGED **20 TO 24 YEARS**

WERE MARRIED BEFORE AGE 18

HALF OF

IN WEST AFRICA

THEM

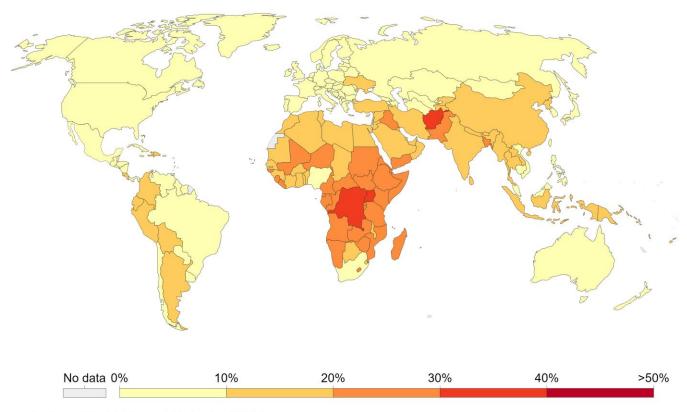
(2018)



Women who experienced violence by an intimate partner, 2017

Our World in Data

Share of women, aged 15 years and older, who experienced physical or sexual violence from an intimate partner in the past year.



Source: Institute of Health Metrics & Evaluation (IHME)

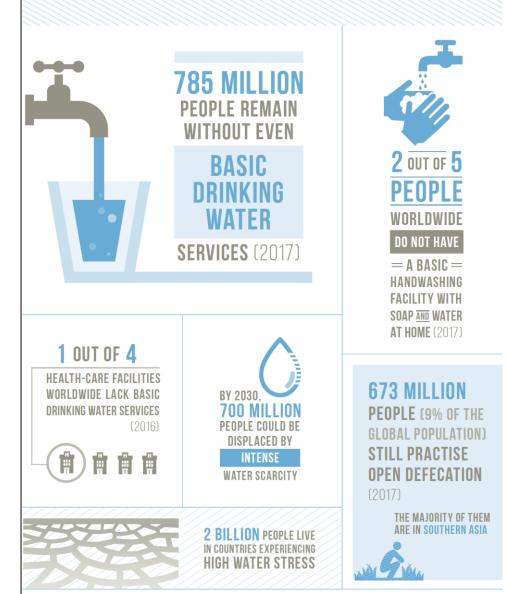
Note: To allow comparisons between countries and over time this metric is age-standardized.

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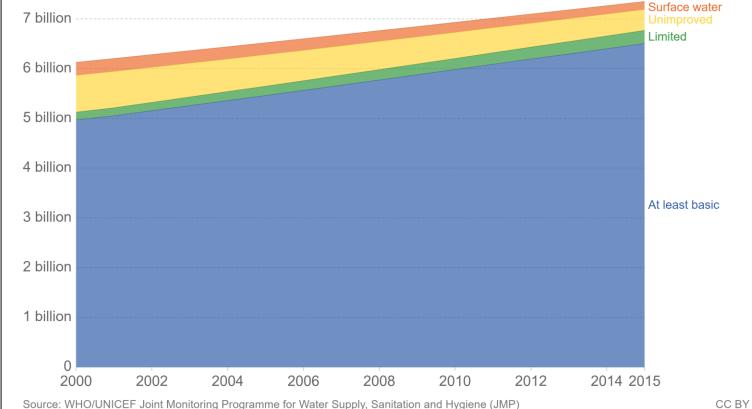
6 CLEAN WATER AND SANITATION

ENSURE AVAILABILITY AND SUSTAINABLE MANAGEMENT OF WATER AND SANITATION FOR ALL



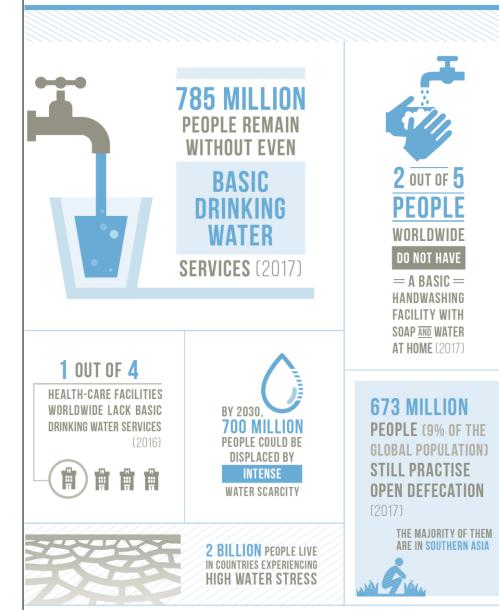
Drinking water service coverage, World, 2000 to 2015

Total population using a given drinking water source. At least basic drinking water represents an improved source within 30 minutes' round trip to collect water; 'limited' constitutes an improved water source more than a 30 minute round-trip away; 'unimproved' is one that by the nature of its construction does not adequately protect the source from outside contamination; and 'surface' is that from surface water sources.



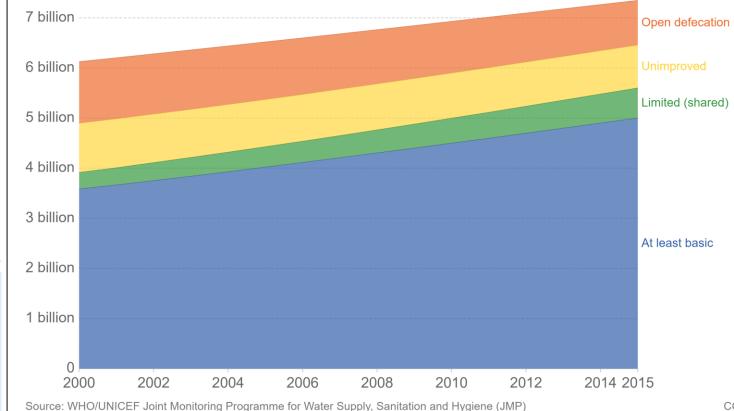
6 CLEAN WATER AND SANITATION

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Sanitation facilities coverage, World, 2000 to 2015

Number of people with access to different sanitation facilities. 'At least basic' are improved sanitation facilities not shared with other households; 'limited' are improved facilities shared with other households; 'unimproved' are facilities without a flush/pour flush (to piped sewer system, septic tank, pit latrine), ventilated improved pit (VIP) latrine, pit latrine with slab, or composting toilet.



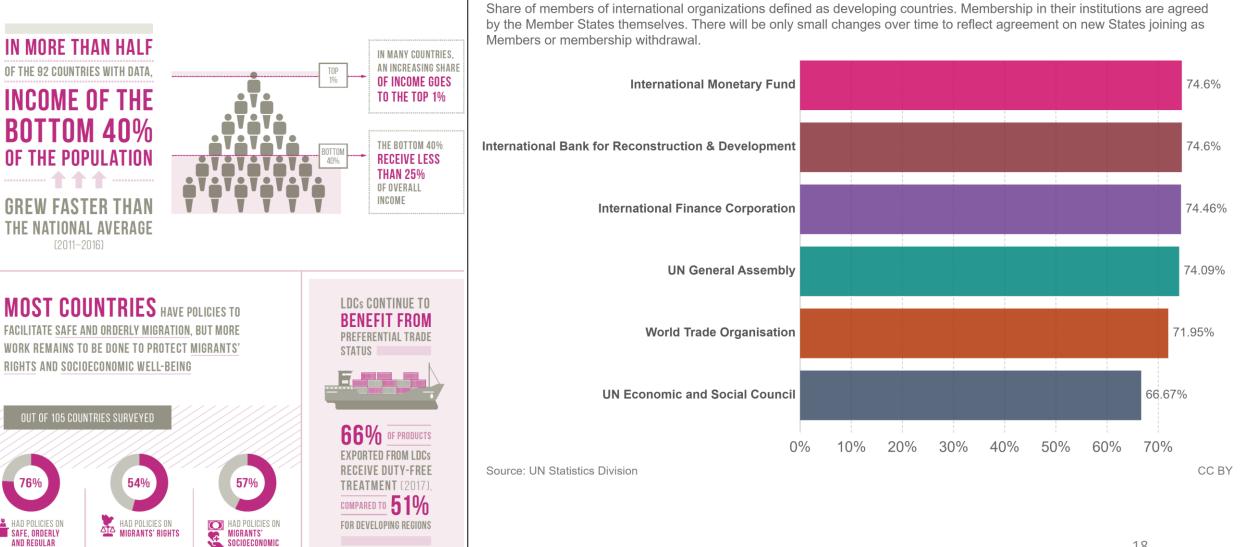
REDUCE INEQUALITY WITHIN AND AMONG COUNTRIES

WELL-BEING

10 REDUCED INEQUALITIES

AND REGULAR

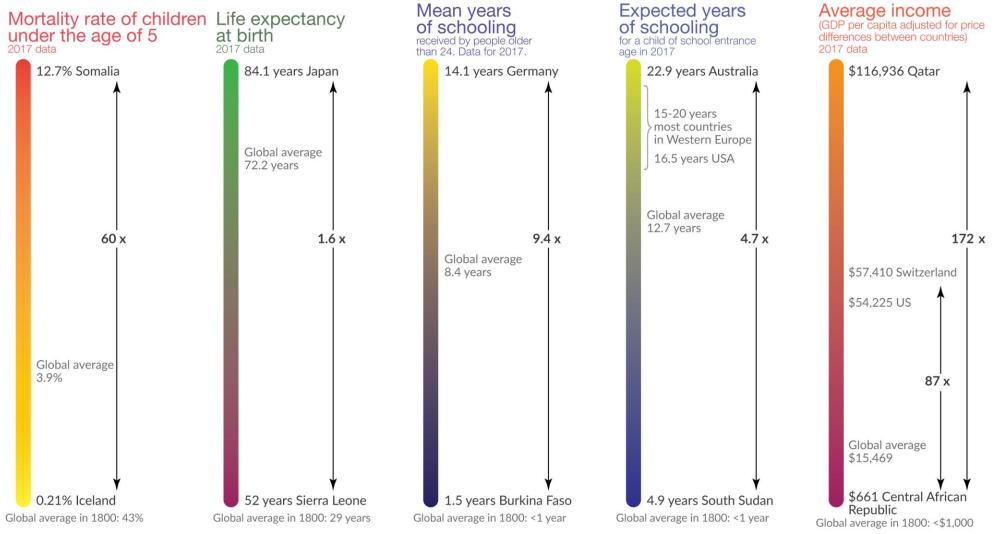
MIGRATION



Proportion of members of developing countries in international organizations, Developing regions, 2018

Global inequality in living conditions

between the world's worst-off and best-off countries



Data source: all data for 2017 is taken from various UN publications. Historical estimates for 1800 are from OECD – How was life? and Our World in Data This is a visualization from OurWorldinData.org, where you find data and research on the world's largest problems.



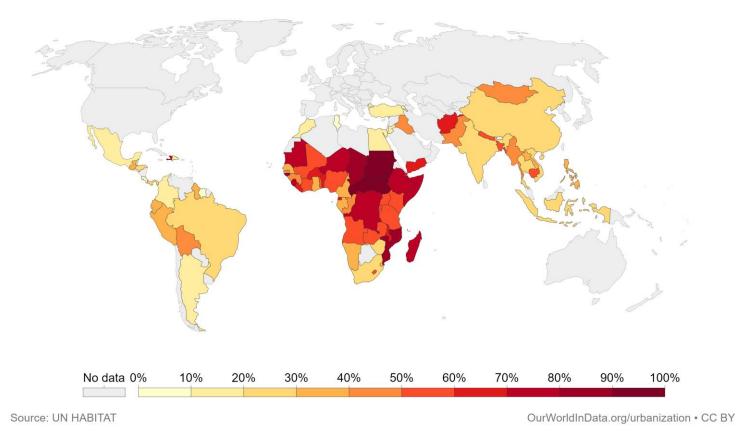
MAKE CITIES AND HUMAN SETTLEMENTS INCLUSIVE, SAFE, RESILIENT AND SUSTAINABLE



Share of urban population living in slums, 2014

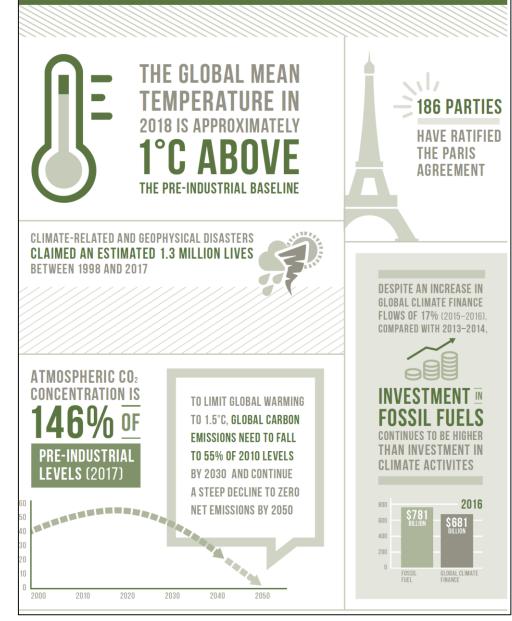


A slum household is defined as a group of individuals living under the same roof lacking one or more of the following conditions: access to improved water, access to improved sanitation, sufficient living area, and durability of housing.



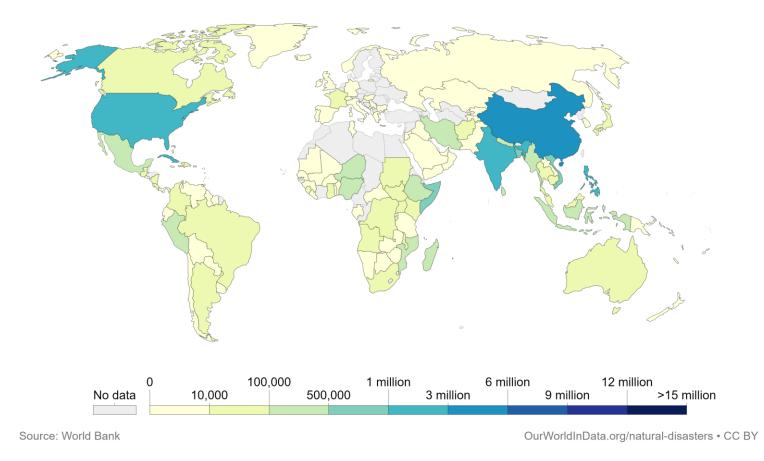


TAKE URGENT ACTION TO COMBAT CLIMATE CHANGE AND ITS IMPACTS



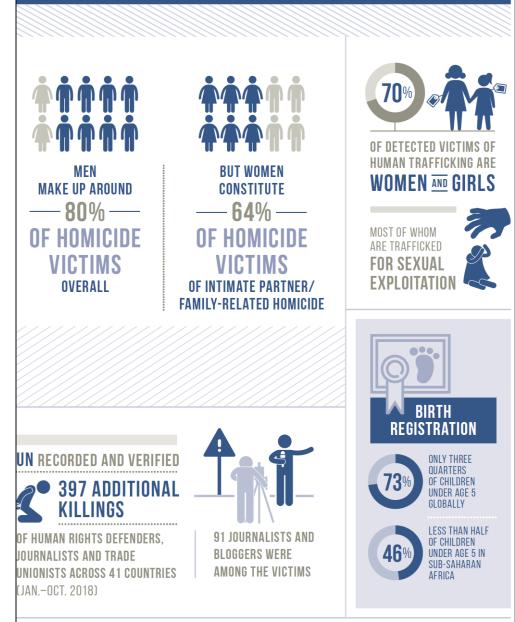
Internally displaced persons from natural disasters, 2017

Internally displaced persons are defined as people or groups of people who have been forced or obliged to flee or to leave their homes or places of habitual residence, as a result of natural or human-made disasters and who have not crossed an international border.



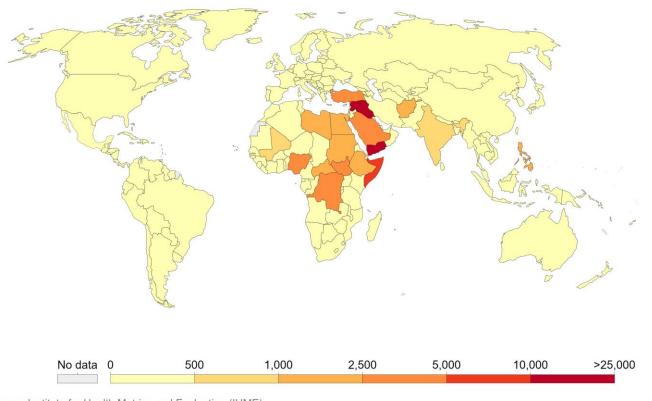


PROMOTE PEACEFUL AND INCLUSIVE SOCIETIES FOR SUSTAINABLE Development, provide access to justice for all and build Effective, accountable and inclusive institutions at all levels



Deaths from conflict and terrorism, 2017

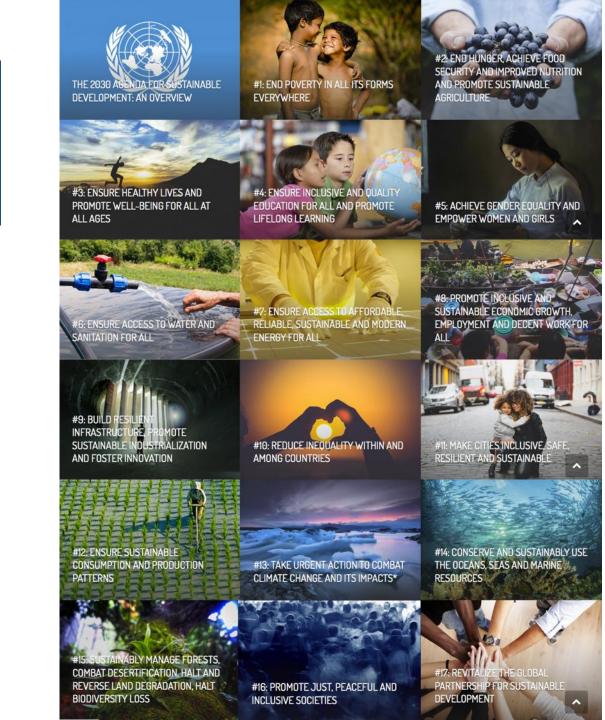
Total combined number of deaths from conflict (civil conflict and war between states) and terrorism.



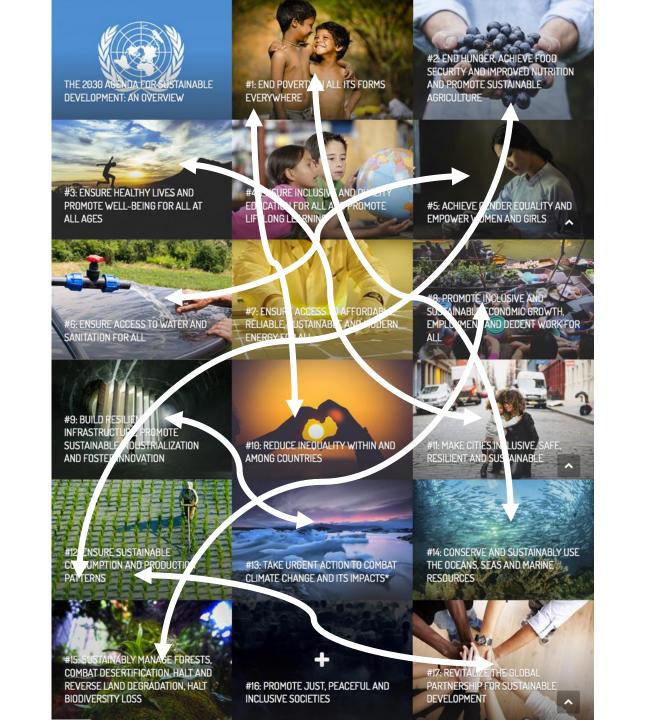
Source: Institute for Health Metrics and Evaluation (IHME)

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Each goal is important



Each goal is important



And they are all connected

"Of all forms of inequality, inequality in health care is the most shocking and inhumane"

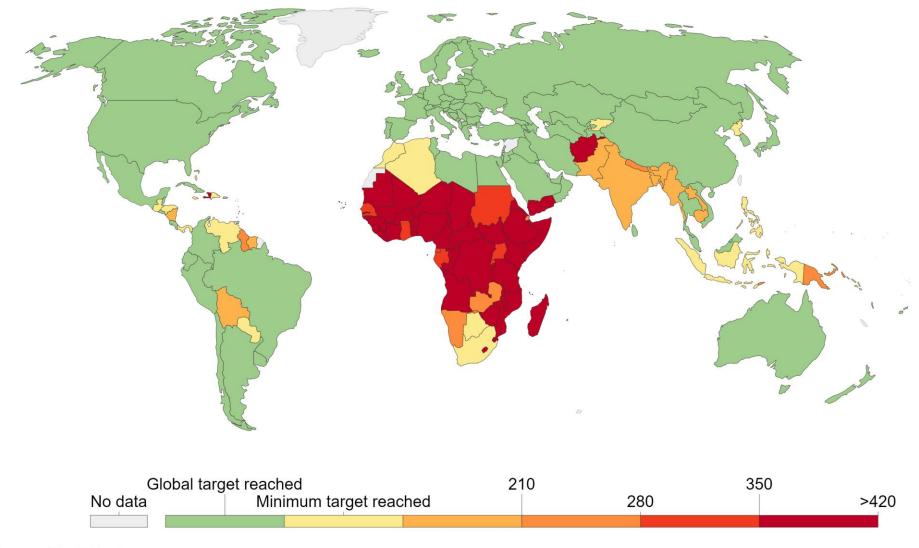


Martin Luther King

Maternal mortality ratio, 2015



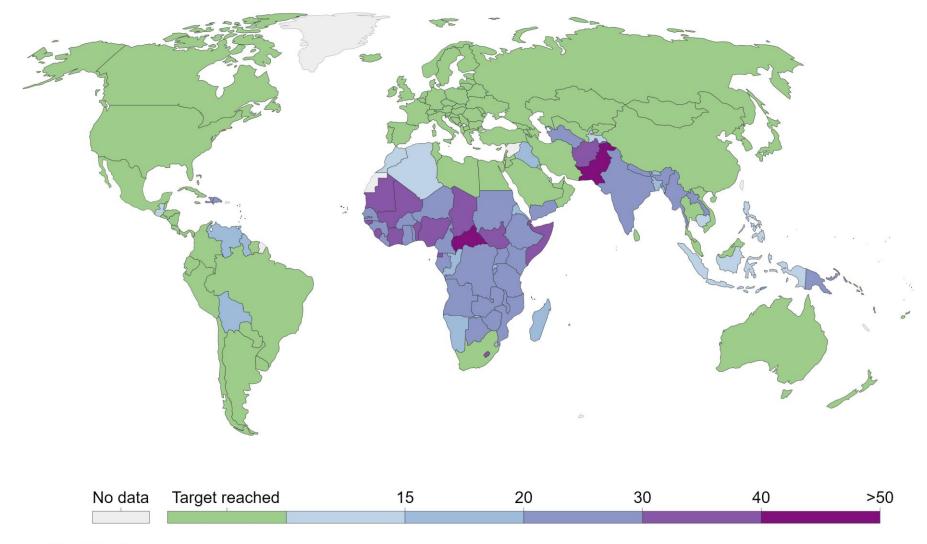
Maternal mortality ratio is the number of women who die from pregnancy-related causes while pregnant or within 42 days of pregnancy termination per 100,000 live births. SDG Target 3.1 is to reduce global maternal deaths to less than 70 per 100,000 live births and all countries less than 140 per 100,000 live births.



Neonatal mortality rate, 2017



Neonatal mortality rate is the number of neonates dying before reaching 28 days of age, per 1,000 live births in a given year. SDG Target 3.2 is to reduce neonatal mortality rates to at least as low as 12 per 1,000 live births by 2030.



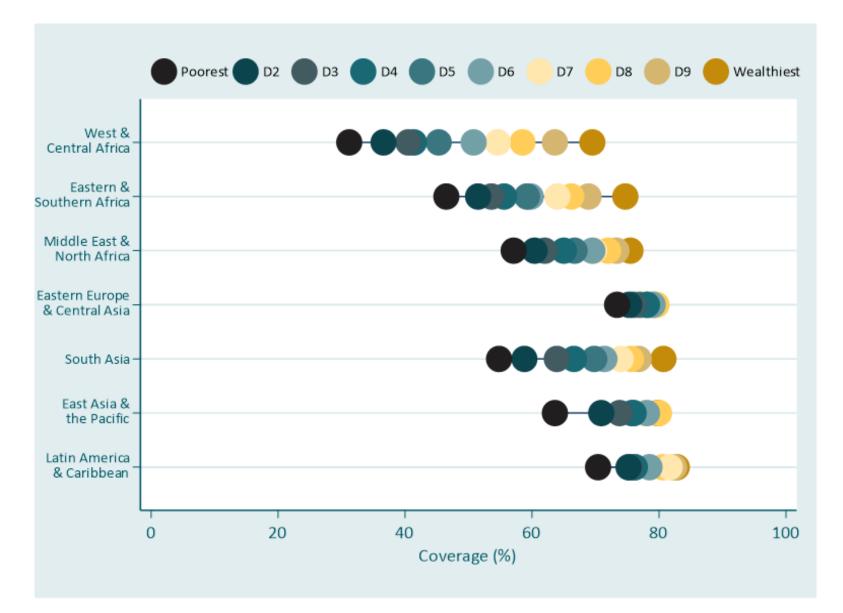
Global Inequities in Coverage Persist



Median national coverage of select interventions, most recent survey, 2014 and later (%)

Requejo et al (2019)

Composite Coverage Index & Wealth Deciles



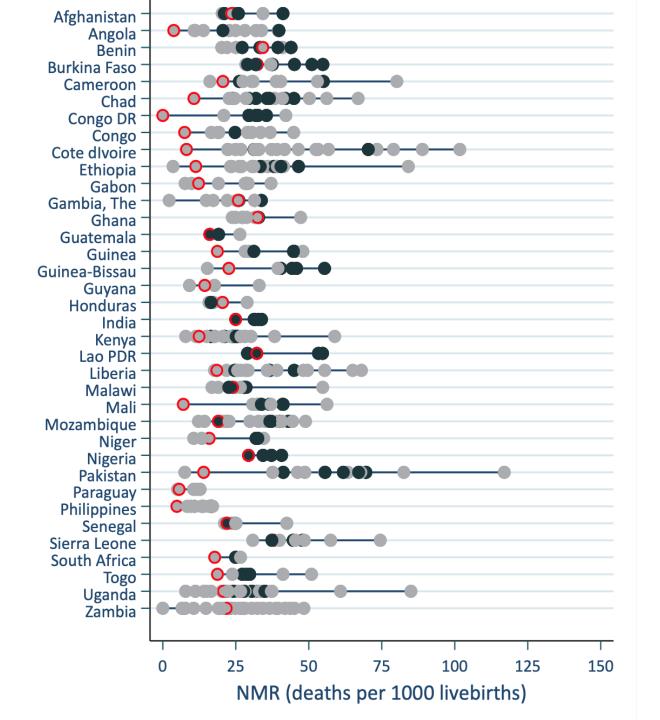
Requejo & Victora (BMJ 2019)

Mortality & Stunting by wealth (global means)



Ethplot Neonatal Mortality Rate by ethnicity

- Red circles show the ethnic group with the largest number of births in each country
- Dark dots show estimates with a coefficient of variation <15%
- Grey dots show estimates with a coefficient of variation of ≥15%

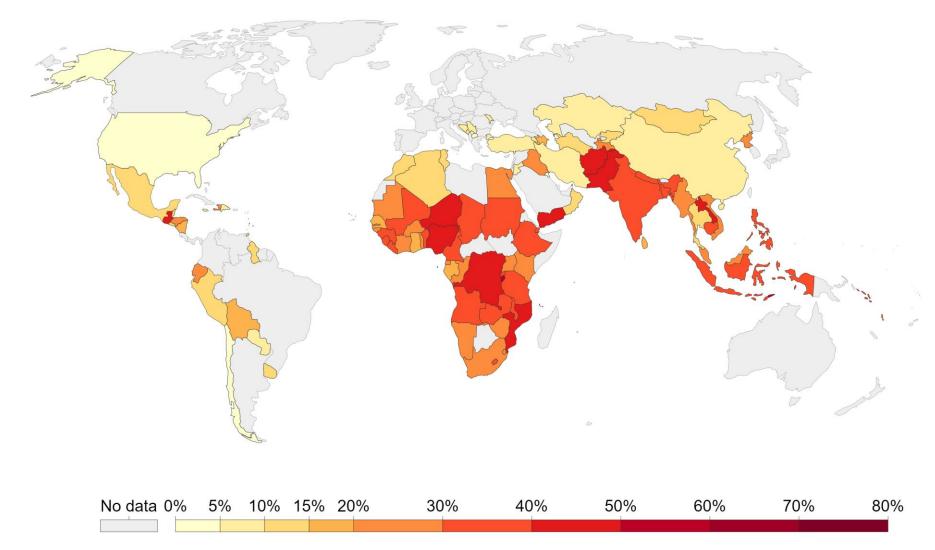


Victora et al (2020)

Share of children who are stunted, 2016



The share of children younger than five who are stunted – significantly shorter than the average for their age, as a consequence of poor nutrition and/or repeated infection.



10/2Source: World Health Organization (WHO); UNICEFOurWorldInData.org/hunger-and-undernourishment • CC BYNote: Stunting in children is defined as being less than two standard deviations below the median height for their age.

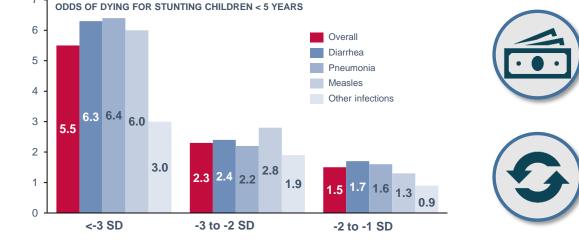
Why Stunting?





Stunted children are 2-4 times as likely to die before age five as their peers; undernutrition is a driver of up to 45% of all child death¹

Stunting is associated with delayed cognitive development and up to an 11-point reduction in expected IQ

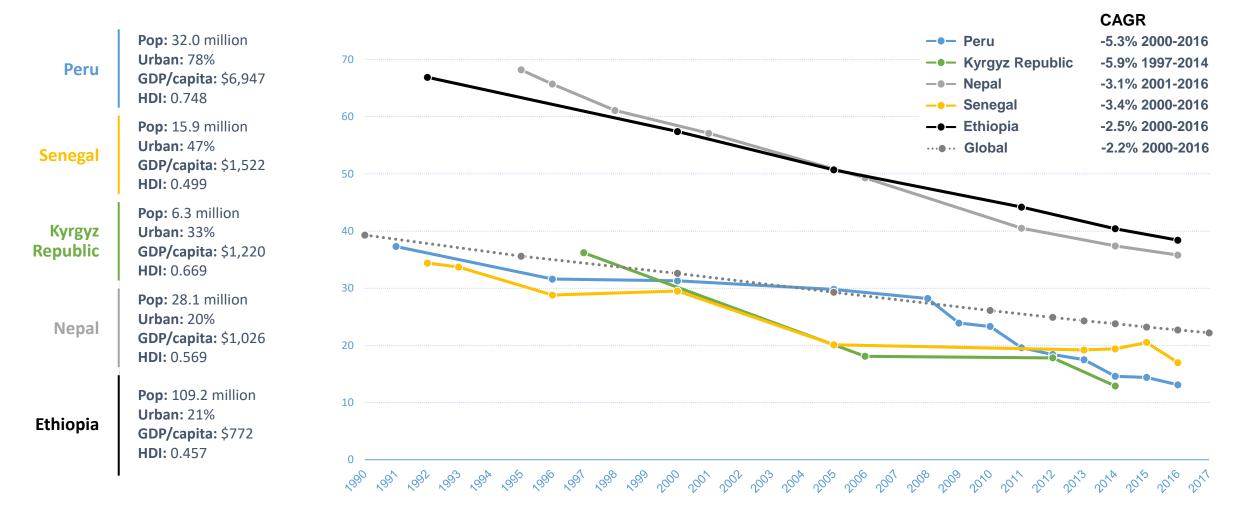


At the societal level, stunting reflect limitations in a country's ability to compete in the knowledge economy; it correlates with costs of up to 11% of expected annual GDP

Stunting, and malnutrition more broadly is a vicious cycle – with high rates of intergenerational transfer, and a feedback loop of low immunity, infection, and malnutrition

1. In 2011, Black, Robert & Victora, Cesar & Walker, Susan & Bhutta, Zulfiqar et al. (2013). Maternal and Child Undernutrition and Overweight in Low-Income and Middle-Income Countries. Lancet. 382. 10.1016/S0140-6736(13)60937-X.

Exemplar countries experienced significant stunting reduction, despite varying contexts and initial prevalence



Source: World Bank open data; GDP per capita in current US\$ as of 2018

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Stunting Exemplars

Technical Advisory Group Members

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> **Nepal** Nepal Public Health Foundation (NPHF)

Ethiopia Addis Ababa University (AAU)

Stunting reduction in Peru

GDP/Capita: \$6.9K

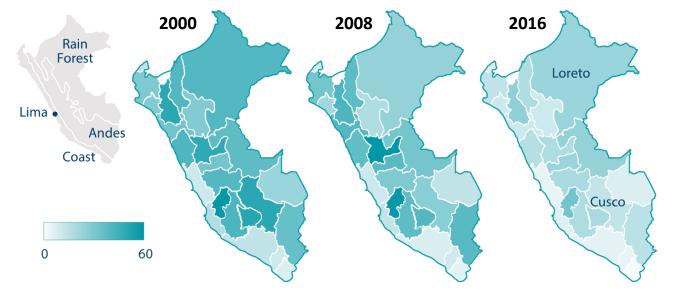
HDI: 0.748 Populat

Population: 32M

Geography: Includes expansive alpine & Amazon regions (22% rural)

UNDER-5 STUNTING PREVALENCE

REGIONAL MAP



- » 1992: Leaders of Shining Path guerilla movement captured, ending internal conflict
- » 2000: End of Fujimori presidency. Beginning of over a decade of sustained income growth (from ~\$2K to ~\$5K)
- » 2002: Acuerdo Nacional lays out key national goals, including equity and social justice
- » 2006: Alan Garcia elected President

¹DHS; GDP per capita in current US\$ as of 2017 from World Bank open data

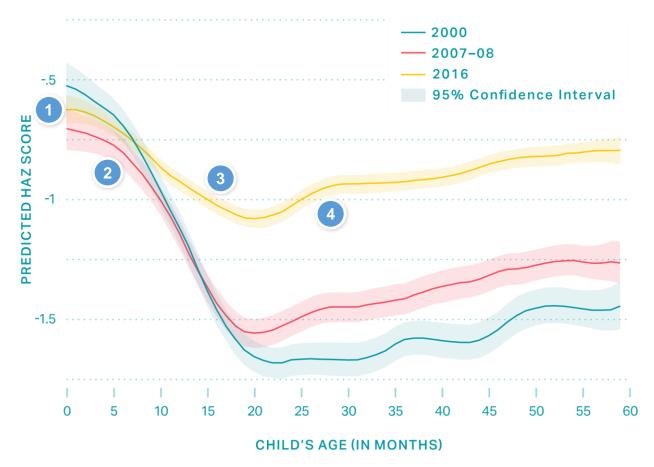
INFORMATIONAL STATISTICS¹

	Prior	Prior		Recent	
U5MR Per 1,000 live births	47	(2000)	21	(2016)	
NMR Per 1,000 live births	18	(2000)	11	(2016)	
MMR Per 100,000 live births	185	(2000)	157	(2011)	
Total fertility rate Per woman	2.8	(2000)	2.5	(2016)	
ANC4+ Percent	69	(2000)	98	(2016)	
Wasting Percent	1.1	(2000)	0.6	(2016)	
DTP3 coverage Percent	79	(2005)	73	(2016)	
Open defecation Percent	19	(2000)	7	(2016)	

The timing of linear growth retardation over time

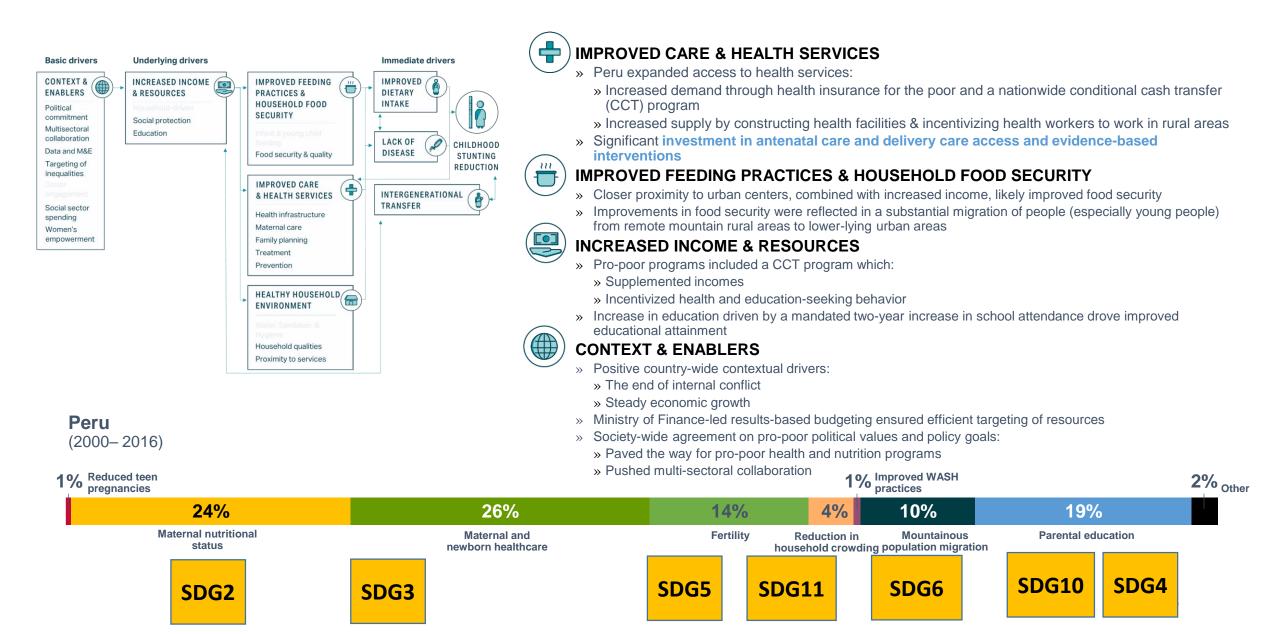
- While maternal nutritional status has improved and height increased in Peru, the relative similarity in y-intercept from 2000 to 2016 demonstrates this has not translated into a substantial reduction in child birth disadvantage
- 2. A slight flattening of HAZ curve for 0–6 month children from 2000 to 2016 suggests positive impact of breastfeeding and optimal household environment
- 3. Dramatic flattening of HAZ slope for 6–23 month children suggests major improvements in disease management, dietary intake and household environment
- 4. Children at 24 months start off significantly taller and healthier in 2016 (HAZ -1.0) than those in 2000 (HAZ -1.9); growth faltering plateaus thereafter

PREDICTED HAZ SCORE BY CHILD AGE (VICTORA CURVES)

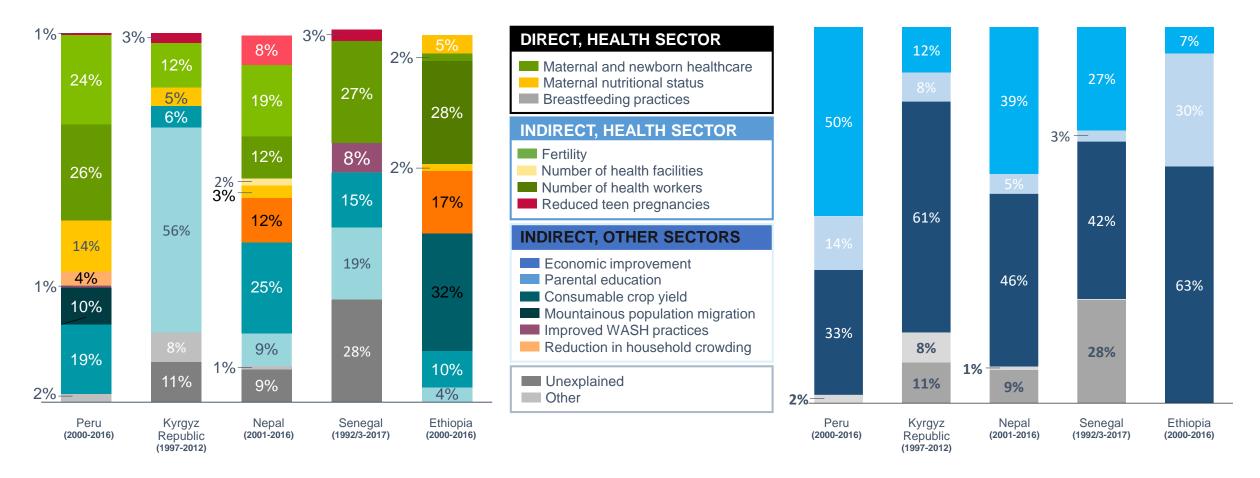


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The contribution of various drivers and sectors to improving growth



Pathways to stunting reduction require Both Direct and indirect nutrition actions that are inside and outside of the health sector

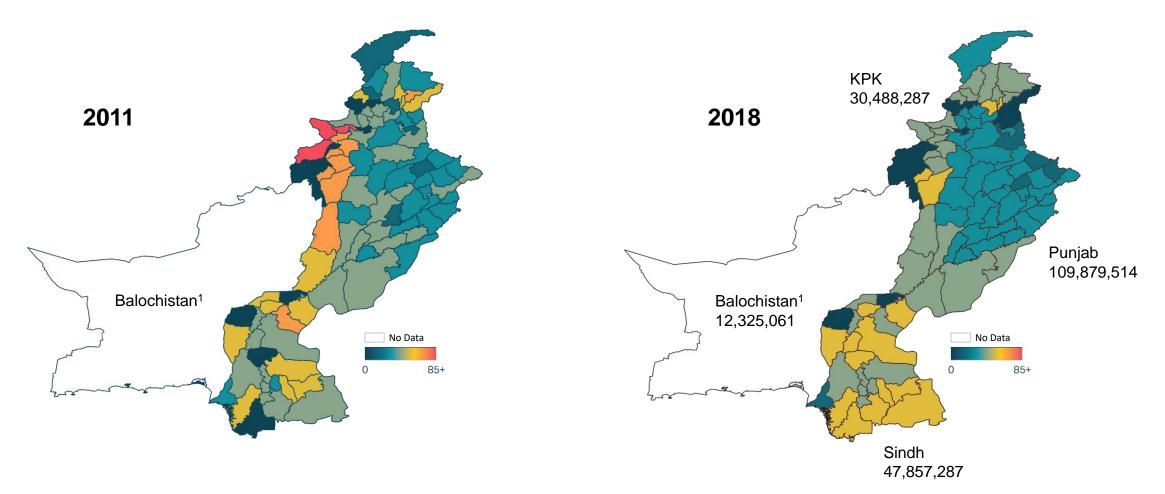


Note: The Kyrgyz Republic sample is of children under 3 years of age, Parental education breakdown: Peru (17.8% maternal, 2.7% paternal), Kyrgyz Republic (5.8% paternal), Nepal (12.2% maternal, 12.5% paternal), Senegal (7.5% maternal, 7.4% paternal), and Ethiopia (5.2% maternal, 5.0% paternal), "Other" category includes child age, gender, and region, The following surveys were excluded due to unreliable data: 2014 Kyrgyz Republic MICS and 1996 Nepal DHS

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National averages mask subnational change in stunting



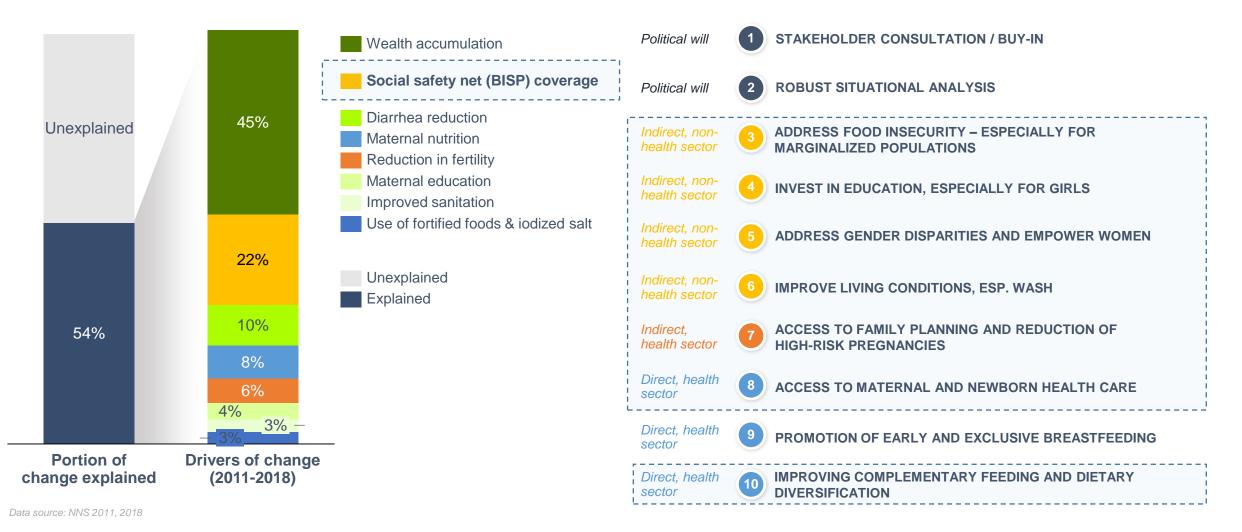
¹Balochistan excluded from analysis because of poor quality height/weight data (missingness, implausible z-scores, and digit preference beyond what's noted for other exemplars) Data source: NNS 2011, 2018

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Accelerated change needed interventions across non-health sectors & social protection



THE AGA KHAN UNIVERSITY SICKKIDS Centre for Global Child Health

The road to inaction is paved with research reports

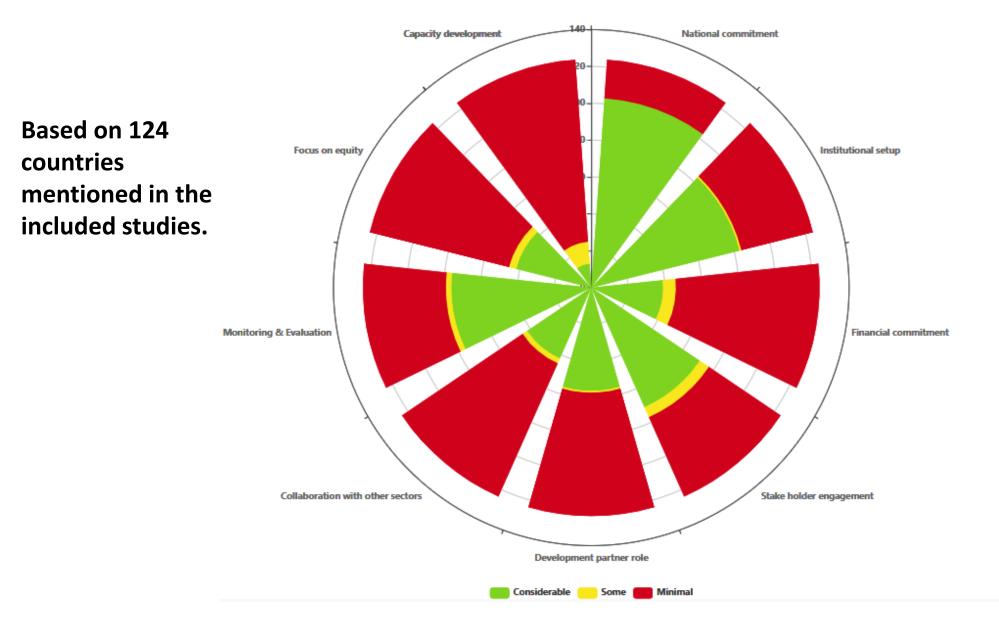
Three Asks re implementation of Health & Health-related SDGs?

- What has happened globally since the SDGs were launched in September 2015?
- 2. What is happening in countries with reference to agenda 2030 for HHSDGs?
- 3. What can and should be done to support integrated implementation?

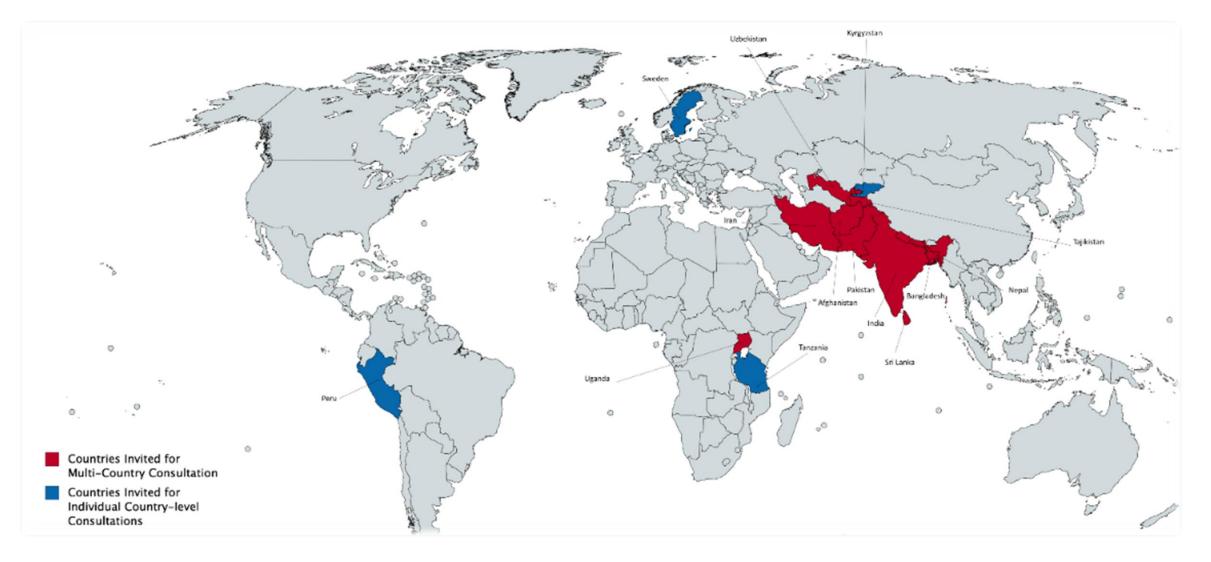


Limited available of information by domain

BMJ 2020



A deeper dive in countries & regional consultations



Key Findings

- Despite the relatively short period since the launch of the SDGs, there is awareness of their importance to the national development agenda, though many ministries of health are still in the MDG mode.
- Given the current situation in their countries and region, it may not be possible to achieve the 2030 agenda without accelerating the implementation of HHSDGs.
- Integrated implementation of HHSDGs would need to become central to the development agenda, especially at sub-national level and not be seen as additional, external or vertical initiatives.

Way Forward (1) Political Will

- Government leadership and multi-sectoral planning is needed ... BUT health should not be marginalized in the context of multisectoral planning.
- The role of **political leaders and champions is critical** if we are to affect change
- Given the slow progress in HHSDGs, accelerated implementation will be critical to allow for a full decade of intensive implementation.
- HHSDGs should be central to and well integrated within existing and future policies, plans and strategies and not be seen as an 'add on', external or vertical initiative

Way Forward (2)... Devolved Implementation

- Implementation capacity at the sub-national levels must be strengthened so that political commitment to HHSDGs is translated into effective programs.
- Policy makers/implementers should pay attention to appropriate integrated institutional oversight structures which support multisectoral work.
- Central Planning & Development Ministries must link with provincial counterparts for implementing and empower and capacitate local governments in devolved health systems

Way Forward (3) ... Reaching the unreached!

- The focus of HHSDGs must be on **equity** and **reaching the most marginalized**, whether based on socio-economic deprivations, ethnicity or religion.
- Equitable access to UHC, especially in primary care settings is critical, even though it is insufficiently stressed in current plans
- Proactive action is needed on gender equality ensure representation of women in leadership positions and within research teams

Way Forward (4) ... a role for Civic Society

- Mechanism for consultation and integration. Participatory governance mechanisms which have clear institutional roles for various civil society actors and disadvantaged and minority populations.
- Role of civic society critical to bring pressure & secure resources. This must be facilitated by appropriate mechanisms to link civic society representatives to policy makers

Way Forward (5) Adequate Resources

- Innovative financing strategies will be needed to mobilize domestic resources earmarked for HHSDGs.
- Engagement with development partners is needed for financial and technical assistance (and capacity enhancement) but national governments should lead the SDG agenda
- Adequate resources for human resources and diverse, contextually relevant implementation platforms are a prerequisite for effective implementation of HHSDGs

Way Forward (6) M&E and Accountability

- Solid, evidence informed Monitoring and Evaluation of HHSDGs is a prerequisite for accountability and ... current measures need to be revisited
- Must link to strong Statistical & Information Systems with ability to produce reliable, timely, disaggregated data including better quality routine administrative data which is utilized.
- Partnerships and the role of academia and health care professionals is important and could link to national and regional Think Tanks or Policy Groups. and empowerment.

"The point is simple: talking about the problems of the world without talking about some accessible solutions is the way to paralysis rather than progress." **Poor Economics**



Abhijit Banerjee & Esther Duflo Nobel Laureates Economics 2019