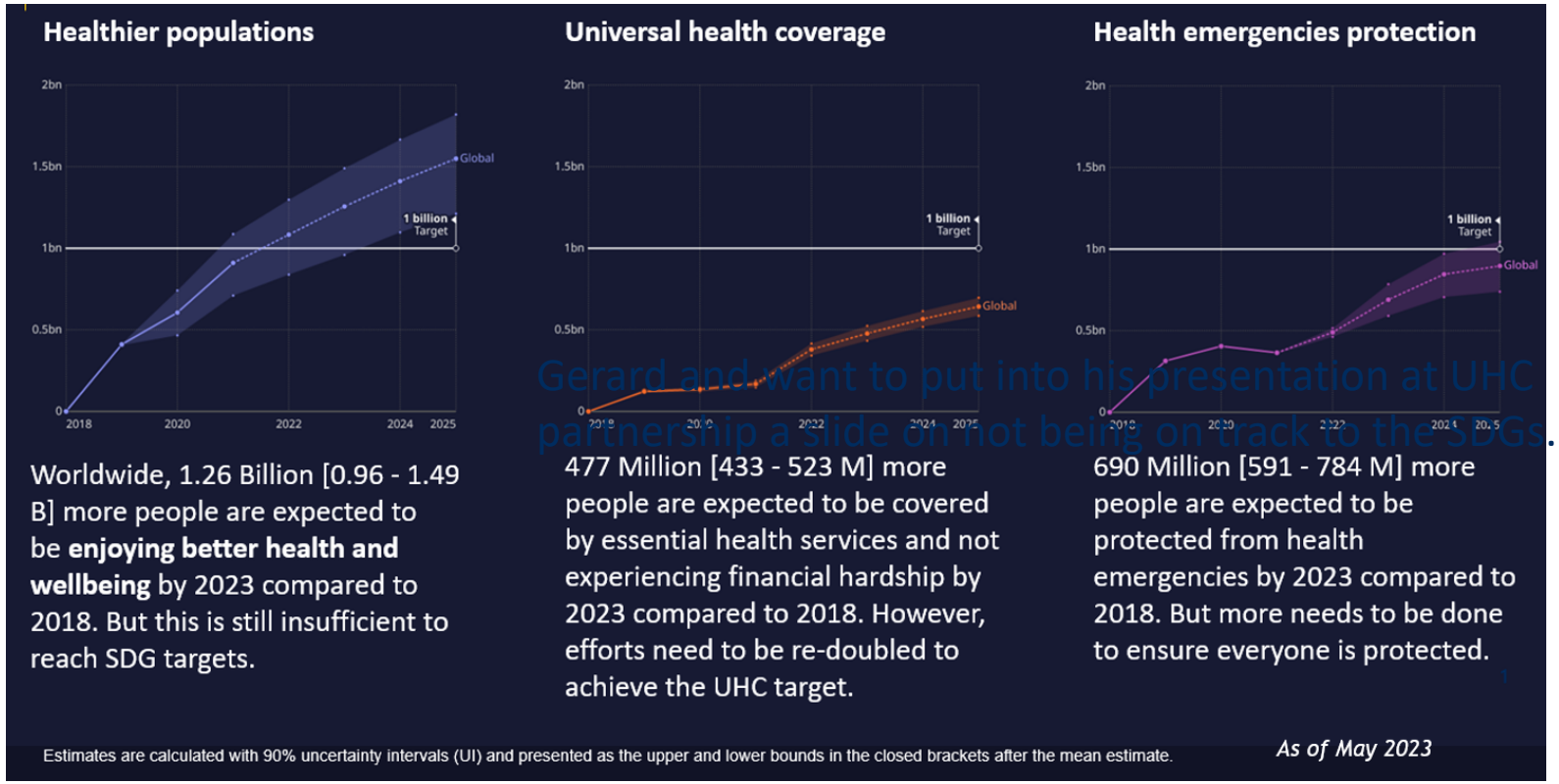
World Health Organization

Data Ecosystems for Unlocking Impact-Focused Decision-Making for Sustainable Development: A WHO Perspective

Dr. Pavel Ursu, Director, Delivery for Impact, WHO HQ, Geneva

Doha Data Forum | 30 October 2023

The world is off track to reach most of the triple billion targets and the SDGs



Gerard and want to put into his presentation at UHC partnership a slide on not being on track to the SDGs.

Example of health-related SDGs progress projections by indicator

Billion	Triple Billion Indicator	2030 Target
HPOP	Safely Managed Water	96
HPOP	Childhood Wasting	3
HPOP	Trans Fat Policy	100
HPOP	Suicide Mortality	6
HPOP	Childhood Stunting	17
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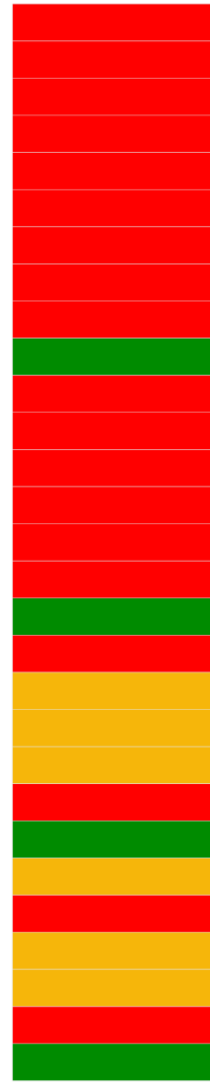

Likely Achieve by 2030
Won't Achieve by 2030
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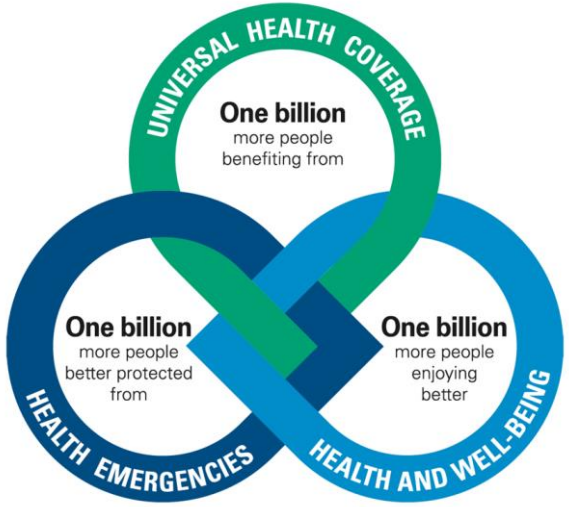
*https://www.who.int/data/triple-billion-dashboard
Preliminary results based on World Health Statistics 2023, and subject to changes based on the upcoming Member States consultation.

Achieving the Triple Billion targets is about meeting the Sustainable Development Goals

The Triple Billion indices use a sub-set of 46 outcome indicators. These include **39 SDG indicators** and seven Member State-approved indicators covering a range of key health topics.



SUPPORT

- Track progress
- Identify gaps
- Problem-solve
- Achieve impact

https://www.who.int/data/triple-billion-dashboard

Data a global good

Country focus

Delivering measurable impact

Technical Products:

- Data standards
- Data collection and reporting
- Data management and governance
- Modelling and forecasting

- Tools
- Technical support and specialized assistance
- Networks and partnerships

- Data-driven acceleration
- Effective implementation
- Mainstreamed Delivery approach

How it helps:

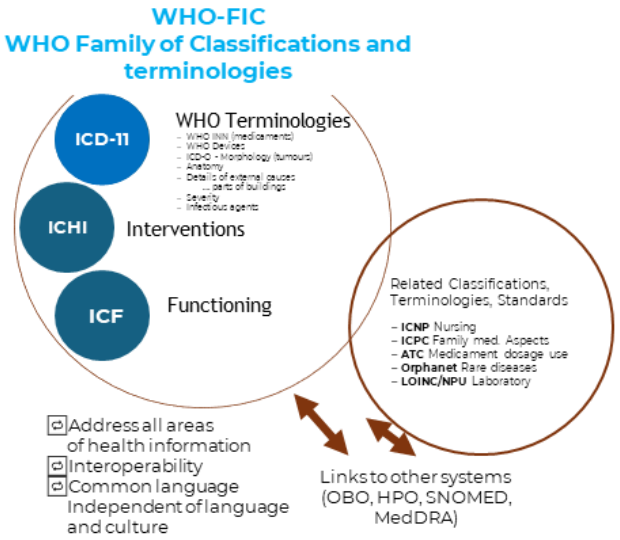
- Improved interoperability
- Equitable and secure data access
- High quality and timely data visualizations

- Stronger health information systems
- Improved data quality and availability
- Informed decision-making and policy design

- Data capacity and community
- Accelerated progress towards global goals/improving health outcomes
- Accountability for results

Supporting countries to drive measurable impact in countries

Data is the fuel that powers progress across all the SDGs



Data.

Corporate home for all health data

Data Calendar

Data Catalog

Country Portal

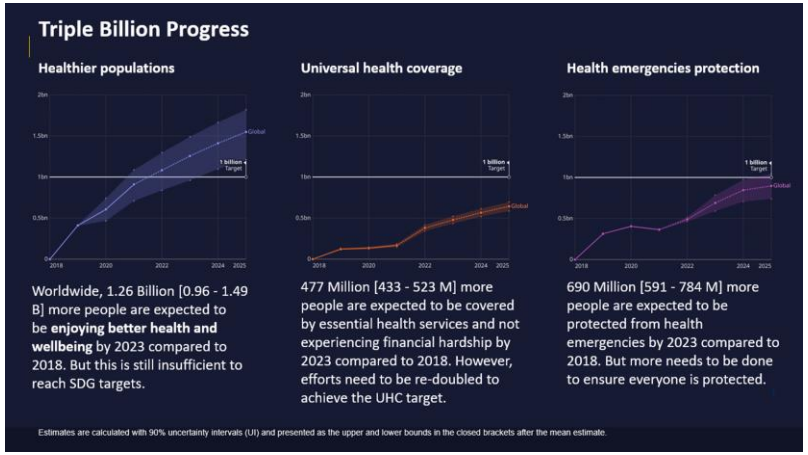
Data Science Lab

Data warehouse

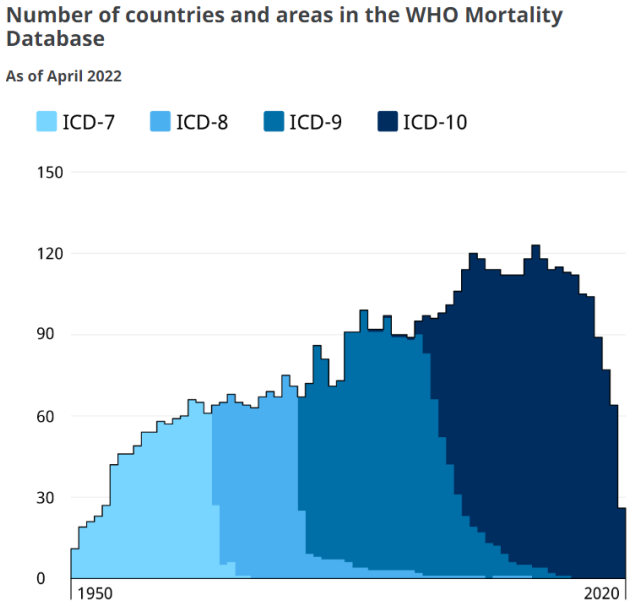
Data Viz Engine

Data Lake

Data.



WHO Mortality Database



Monitoring population health trends

World Health Statistics (WHS) and Global Health Estimates (GHE)

WHO reveals leading causes of death and disability worldwide: 2000-2019

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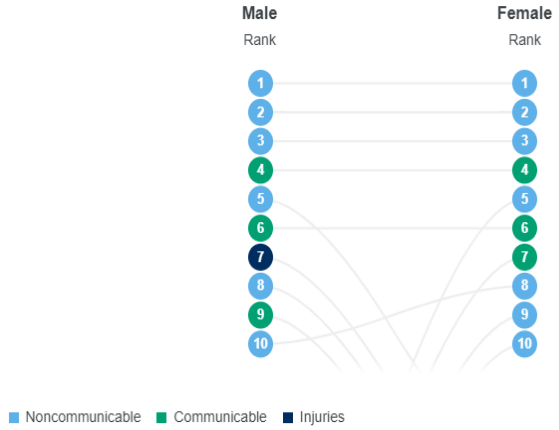
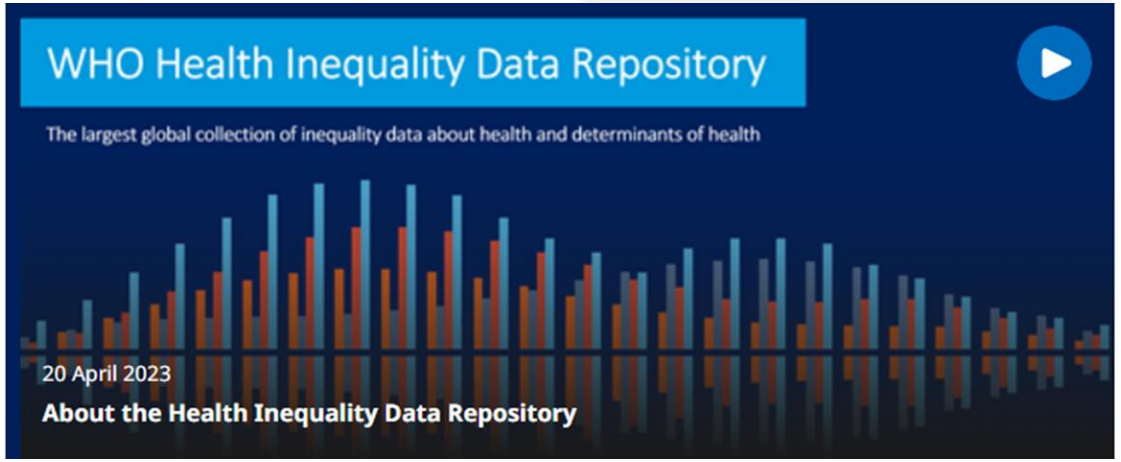
Leading causes of death globally by sex, 2019



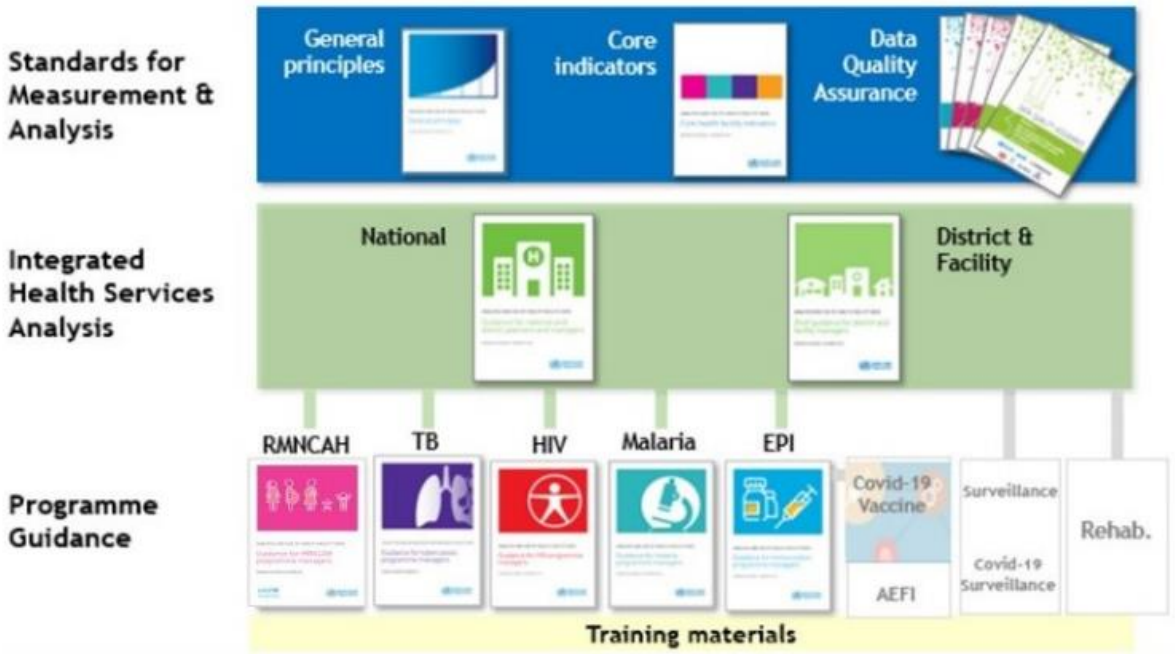


Solutions to address data gaps in countries

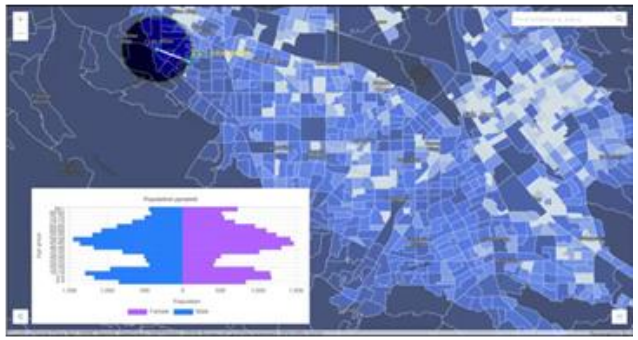
WHO WORLD HEALTH SURVEY PLUS

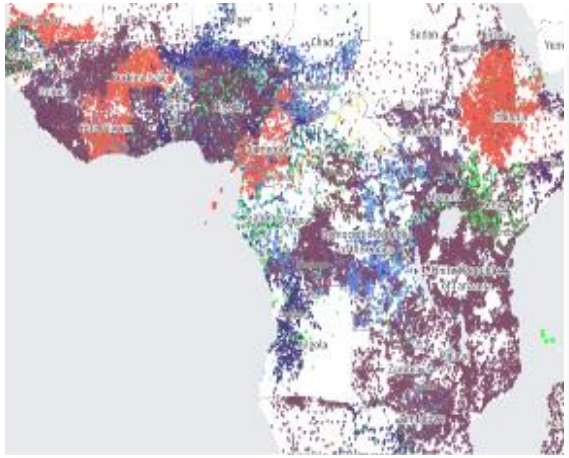
SCORE for Health Data Technical Package

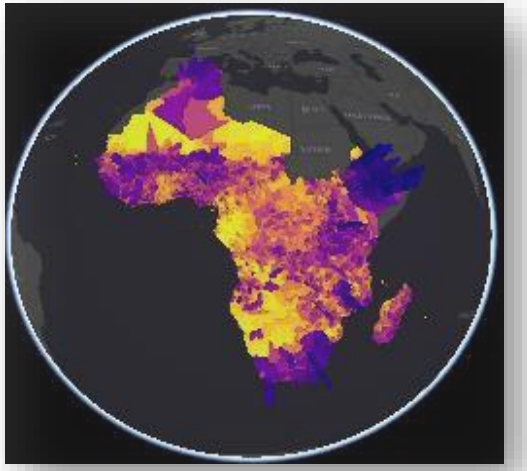
DORIS
WHO Digital Open Rule Integrated cause of death Selection

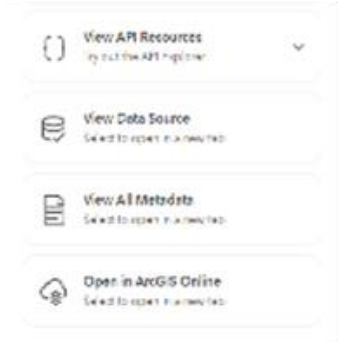


GIS Centre for Health









The world is off track to achieve HRSDG indicators in countries and by region; data gaps persistent

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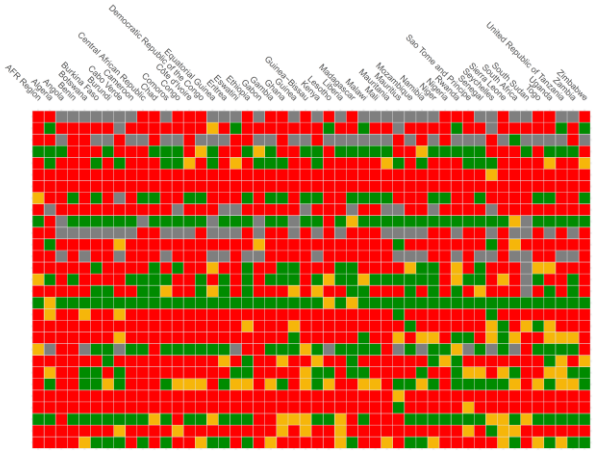

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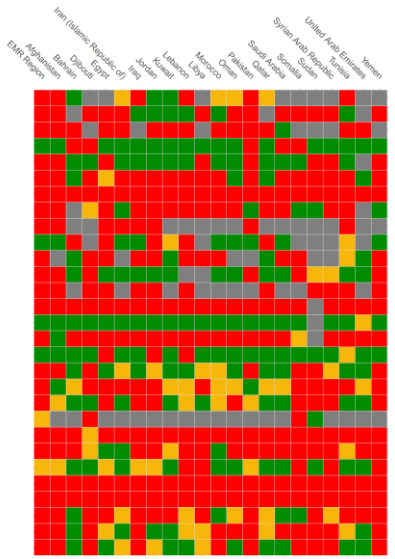

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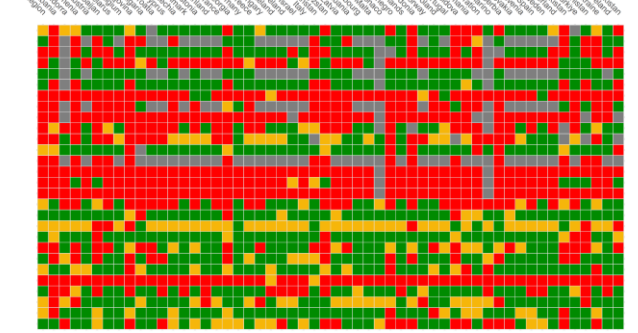

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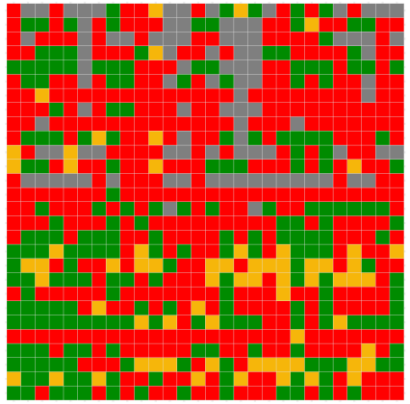

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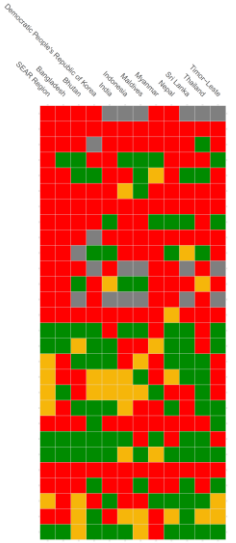


* Preliminary results based on World Health Statistics 2023, and subject to changes based on the upcoming Member States consultation.

Data ecosystem – driving health impact

Rwanda's Health Information System:
leveraging electronic health records, mobile health data collection, and real-time reporting
Monitoring disease outbreaks, track health indicators, allocate resources effectively, rapid response to health crises, such as the COVID-19 pandemic, improved overall service delivery
Singapore's Smart City Initiatives:
Data is central to urban planning and management, city-state collects data from various sensors and devices throughout the city.
Led to: optimized transportation systems, reduced energy consumption, and enhanced public services, making the city more sustainable and efficient
Norway's Electric Vehicle Adoption
Data ecosystems to incentivize EV purchases, monitor charging infrastructure, and analyze environmental impacts
Substantial decrease in greenhouse gas emissions from the transportation sector, leader in sustainable mobility
Sweden's Waste Management
Rely on data ecosystems to track and optimize waste collection and recycling efforts
High recycling rates and efficient waste-to-energy processes, reduced landfill waste, conserved resources, generated clean energy

Focus: Urgent action needed to accelerate progress

- **Delivery for Impact**, as part of its transformation led by the Director General, with leadership across 3 levels emphasizing translating data, science, and evidence into tangible results in countries.

- We support the three levels of the Organization in accelerating progress towards health-related SDGs targets
- Assist Member States in strengthening their capability to better deliver on these targets and improve health outcomes at country level
- In complement with other streams supporting acceleration: partnerships, digital solutions, innovations

Delivery stocktakes hosted by DG to regularly report progress on the triple billion targets SDGs

	A Acceleration scenarios	B Budget and investments	C Countries identified for acceleration	D Delivery Plans and solutions	E Execution, tracking and problem-solving	Policy package
Universal Health Coverage Support the 16 countries most disrupted by COVID-19 to get back on track for the End TB Strategy targets by 2025. (Tuberculosis treatment coverage)	●	●	●	●	○	Implementing the End TB strategy
Health Emergencies Protection Increase preparedness for emergencies in all countries, as measured through IHR States Parties self-assessment annual reporting (Prepare)	●	●	○	○	○	NAPHS for all: a 3 step strategic framework for national action plan for health security
Healthier Populations Strengthen tobacco control policies, at the highest level, in at least 18 countries, to reduce tobacco use(Tobacco use)	●	●	●	○	○	MPOWER Technical Package
Stop the rise in obesity rates in 24 high-burden countries through the Obesity Accelerated Action Plan by 2025.(Obesity and overweight)	●	○	●	○	○	NCD Best-buys and other recommended interventions
Further reduce the alcohol consumption by 20% in 20 priority countries by 2025(Alcohol)	●	●	●	○	○	SAFER Technical Package

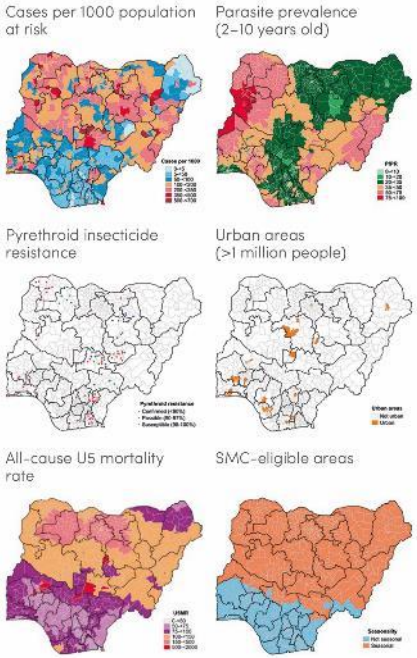
Legend: ● In progress ● On track

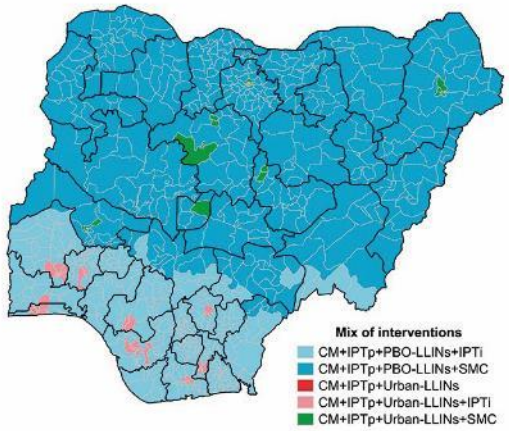
Nigeria - Subnational planning enables tailoring of interventions, with a projected 40% reduction in malaria prevalence by 2023

Analysis of regional variation in disease profile, risks and health systems in Nigeria…

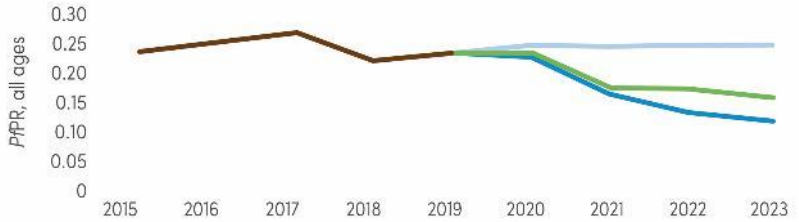
…informed a sub nationally-tailored plan that drives efficiency and equity…

… and will reduce prevalence of malaria by 40% by 2023 if delivered





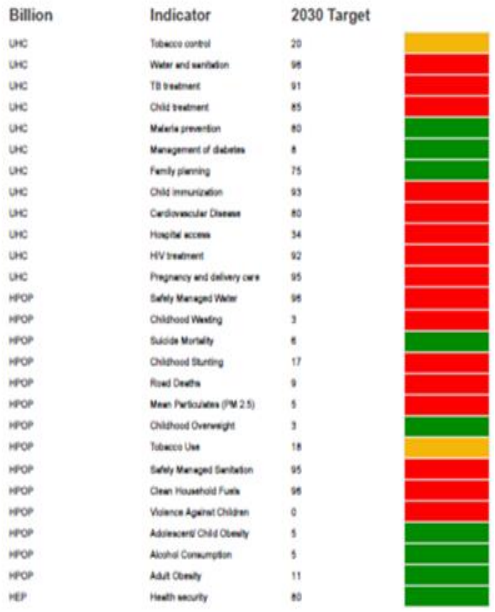
No. of LGAs	IPTp	IPTi	SMC	LLIN distributions	Urban micro-stratification
5	Yes	No	No	Pyrethroid only	Yes
19	Yes	No	Yes	Pyrethroid only	Yes
43	Yes	Eligible	No	Pyrethroid only	Yes
322	Yes	Eligible	No	Pyrethroid+PBO	No
385	Yes	No	Yes	Pyrethroid+PBO	No

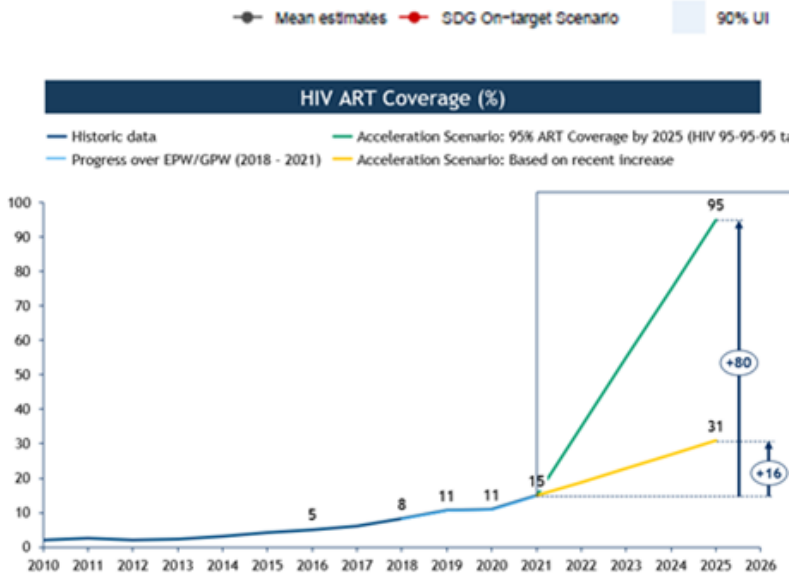


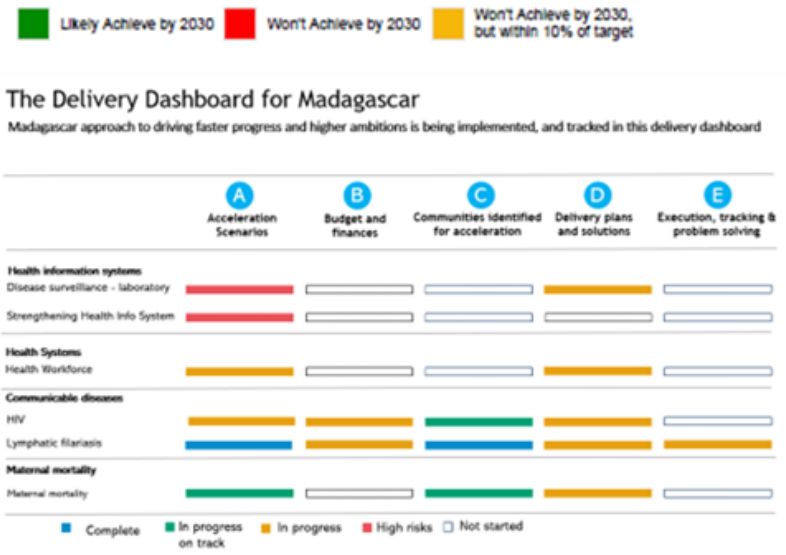
Scenarios:

- Business as usual
- NMSP with 80% effective coverage
- Funded scenario with PAAR SMC LGAs
- Funded scenario without PAAR SMC LGAs

Driving impact: Madagascar







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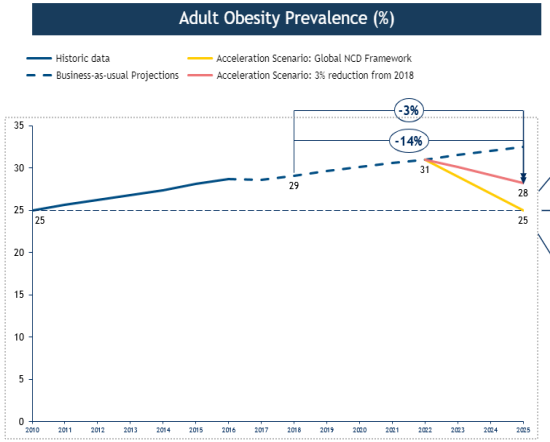
Driving impact: Bahrain

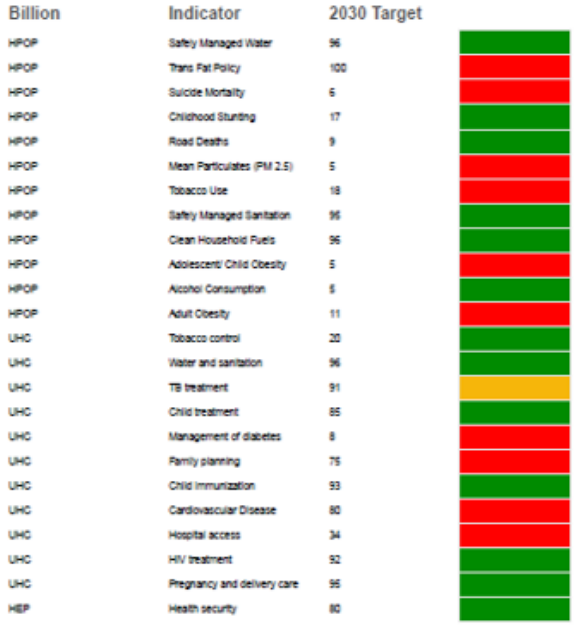
Obesity Target & Scenario



3% reduction by 2025 from 2018 baseline - a target Bahrain is pursuing

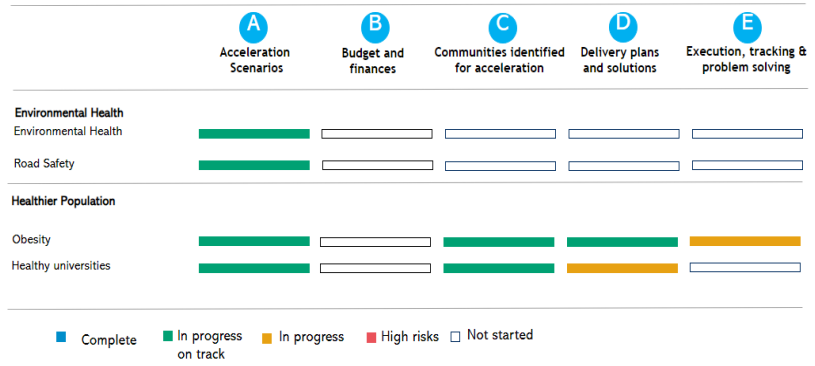
From the baseline year of 2018 - *a 14% reduction is needed by 2025* to achieve the Global NCD Monitoring Target

Global NCD Framework calls for halting the raise in obesity and returning to 2010 levels by 2025



The Delivery Dashboard for Bahrain

Bahrain approach to driving faster progress and higher ambitions is being implemented, and tracked in this delivery dashboard



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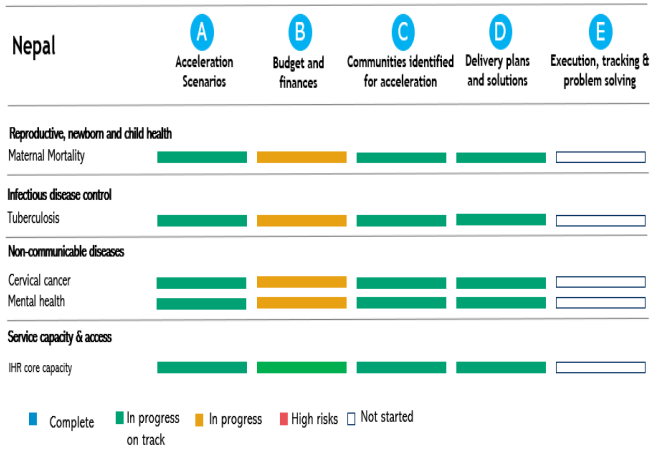
Driving impact: Nepal

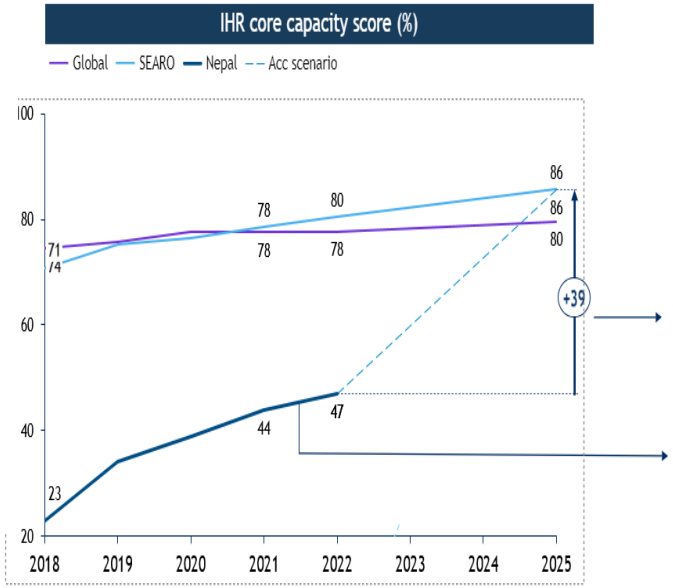
The Delivery Dashboard for Nepal

The delivery end to end planning process identifies priories and targets, and is consistently applied across workstreams
Using the ABCDE approach brings a sustained focus on achieving impact, when used as a routine tracking mechanism updated quarterly

Following the 100 days Challenge, priorities selected with Nepal country office are being implemented, and tracked in this delivery dashboard



IHR core capacity score has significant room for acceleration compared to Global and Regional averages in Nepal



Public health emergency preparedness and response, as well as strengthening IHR core capacities, should remain a priority in the national health agenda.

An increase by 39% is needed to match the regional average by 2025.

The IHR core capacity average score has significantly improved from 23% in 2018 to 47% in 2022.

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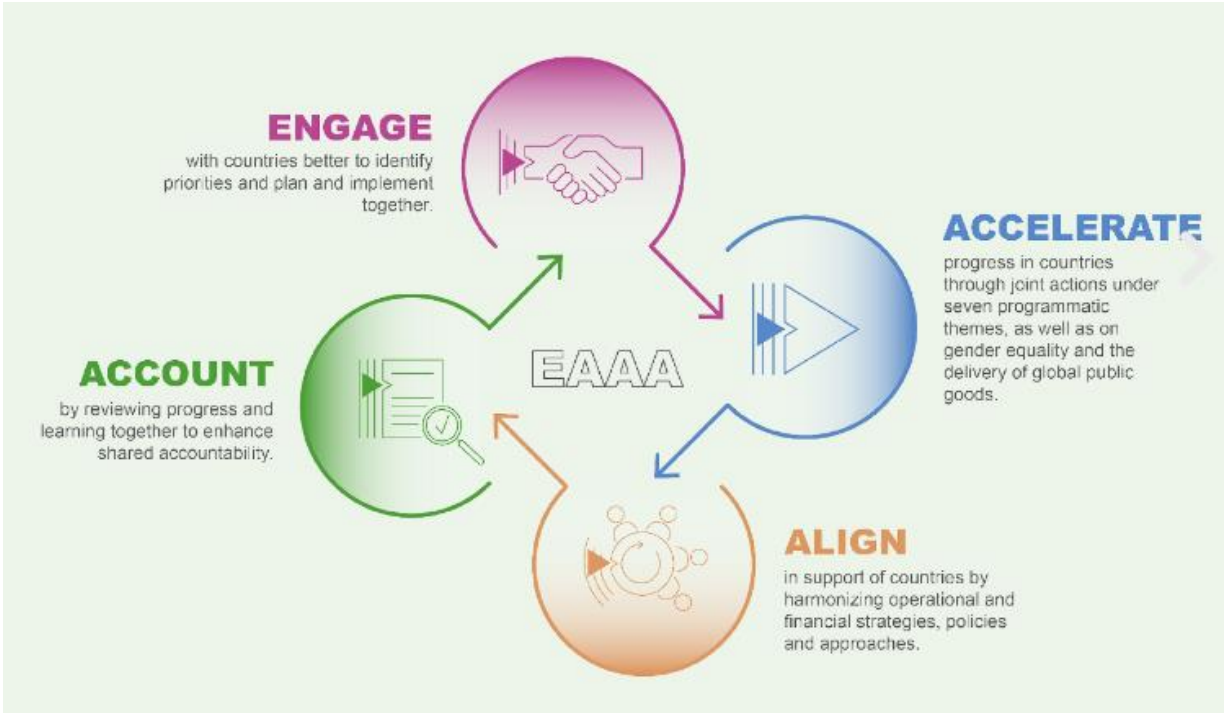
What is the SDG3 GAP?

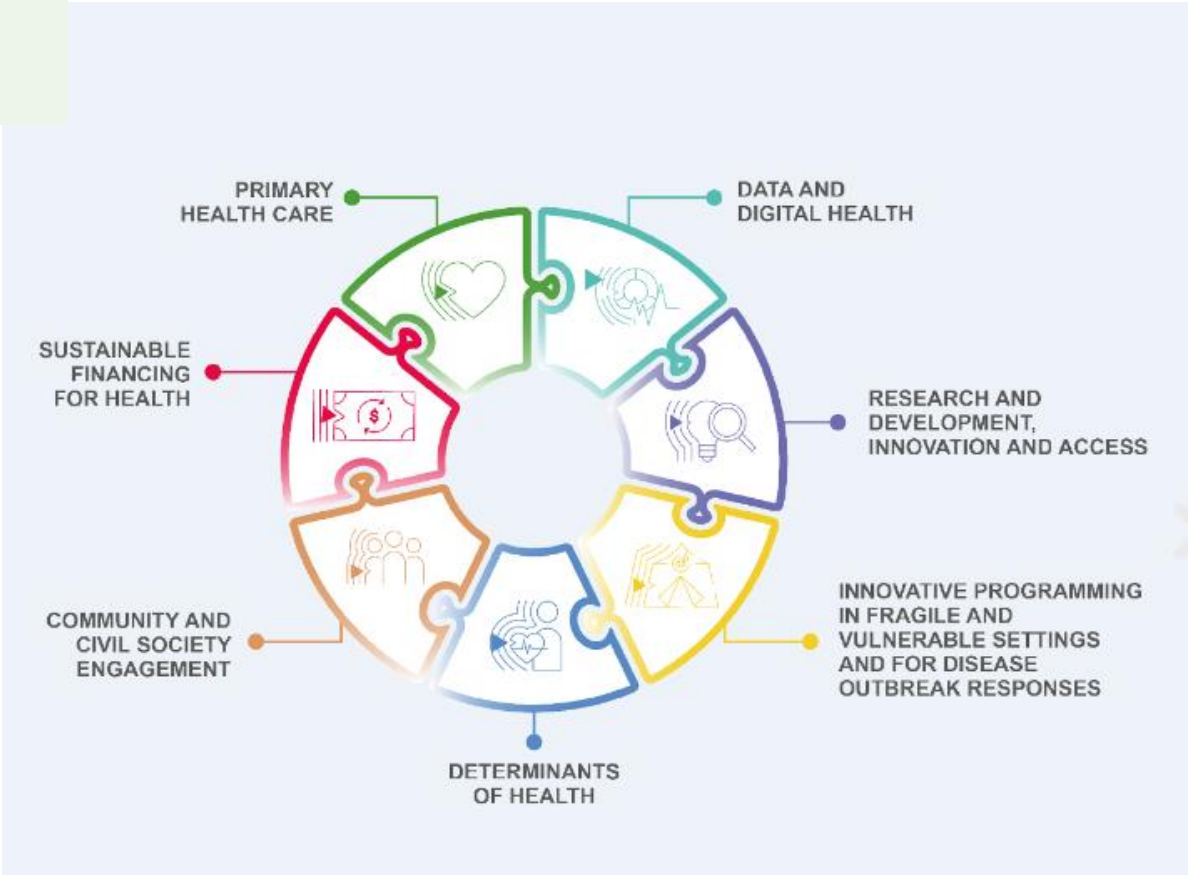
"Collaboration is the path, impact is the destination.

Signatory agencies of the Global Action Plan for Healthy Lives and Well-being for All (SDG3 GAP)

Gavi · Global Financing Facility · International Labour Organization · The Global Fund · UNAIDS · UNDP · UNFPA · unicef · Unitaid · UN Women · The World Bank · World Food Programme · World Health Organization

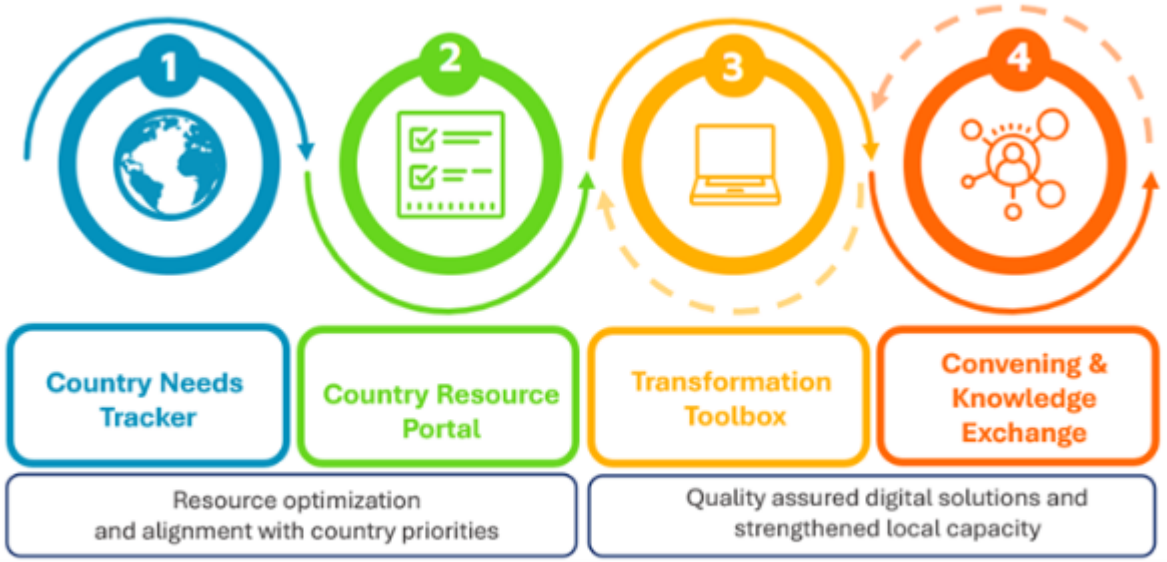
Support provided by the agencies is based on country priorities and brings together those agencies that add the most value in the areas identified.





Global Initiative on Digital Health (GIDH)

- WHO managed network of stakeholders - to facilitate the implementation of the Global Strategy on Digital Health 2020-2025
- A platform to enable a wide global ecosystem to work collectively to promote country capacity and strengthen international cooperation in digital health



https://www.who.int/initiatives/global-initiative-on-digital-health

WHO Innovation Hub - Solve bottlenecks, accelerate impact, and improve health, focusing on the most neglected problems and people

Examples of innovation from across the globe

Drones fight malaria in Tanzania
Regional Office for Africa

Telehealth enabled container clinics in Uganda
Regional Office for Africa

Medical booking platform for low income households in Ivory Coast
Regional Office for Africa

Empowering community health agents through the use of ICTs in Peru

Eco-health approach to fight Chagas disease in Guatemala
Regional Office for the Americas

Indigenous health agents professionalisation
Regional Office for the Americas

https://www.who.int/teams/digital-health-and-innovation/who-innovation-hub

Simply collecting the numbers is not enough

- *Fulfilling the potential of data to drive progress requires **analysts and decision-makers with the knowledge and skills** to extract useful information from it and to act on it*

- There are only six goals for which more than two thirds of countries have data
- only 19% of the gender-specific SDG indicators are widely available.
- An estimated 230 million children worldwide are unregistered.
- Four in 10 of the world's deaths are not registered.

- New financing instruments: the Global Data Facility and the Complex Risk Analytics Fund
- Rally the global community in raising US$500 million over 10 years for greater scale, insight, and impact from data with purpose
- Significant increases in domestic resource mobilization for data are also urgently needed

Power of Data Brochure_1.pdf (un.org)

UN development system - 12 high impact initiatives which provide a platform to help take SDG progress to scale

The **Power of Data High Impact Initiative** builds on recommendations from the Secretary General's 2023 SDG Progress Report

- Fully using the power of data and unlocking the data dividend for the SDGs will require both political leadership and financial commitments
- Investments in data pay an average "dividend" of $32 for every $1 invested
- This High Impact Initiative will strengthen both the national and global enabling environments for developing data systems.
- **Demonstrating progress through raising the percentage of available SDG data in countries to ninety per cent by 2027.**

Power of Data Brochure_1.pdf (un.org)

A robust data ecosystem - key to accelerating the SDGs and post-SDG sustainable development

not just a tool

- Data Transformation for Actionable Insights
- Relevance Across Critical Areas of Development
- Informed Decision-Making for MSs and WHO/UN
- Enhanced Collaboration, SDGs3 GAP, GIDH, Innovations
- Data-Driven Problem Solving, Delivery for Impact