A new digital platform for timely analysis and use of TB data

TB Monitoring & Evaluation Unit
Global TB Programme
Babis Sismanidis sismanidisc@who.int
Hazim Timimi, Tomas Matas, Laura Anderson

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19th Strategic and Technical Advisory Group for TB Meeting
Commitments made & targets set
national, regional, global

Sustainable Development Goals

Milestones & targets of the End TB Strategy

TB incidence (rate)  TB deaths (mils)

Target 3.3: By 2030, end the epidemics of AIDS, tuberculosis, ...
Indicator for TB: TB incidence
+ disaggregation

TARGET FOR 2035 = 90% REDUCTION
TARGET FOR 2035 = 95% REDUCTION
The backbone to monitoring and evaluating progress
national, robust, real-time, routine surveillance systems

Case notifications (TB incidence)
Vital registration (TB mortality)
understand the epidemic, target action (*who, where*) and
track progress (*over time*)

National TB epidemiological reviews
assess status of surveillance, identify and address gaps

*Two of the most common recommendations*
transition from paper to electronic case-based surveillance,
build capacity to routinely analyze and use data
Comprehensive country support package to compile, analyze and use TB surveillance data

what’s in the TB package? (1/2)

digital platform based on WHO data standards

Data entry

- Aggregated, standardized data (quarterly reporting forms)
- By time period (month, quarter, year)
- By admin unit (health facility, district, province, national)
- Built-in data quality checks
- Retrospective & prospective monitoring

Data analysis

- Figures
- Tables
- Maps

Data visualization (standard dashboards)

- TB1. Notifications (numbers)
- TB2. Notifications (rates)
- TB3. Notifications (% and ratios)
- TB4. Outcomes
- TB5. DR-TB
- TB6. TB/HIV

https://tbhistoric.org/
Comprehensive country support package to compile, analyze and use TB surveillance data

what’s in the TB package? (2/2)

WHO curriculum (pdf + ppts) for national, provincial, district and programme managers

+ curriculum for health facilities under development

Data use

- For national workshops of data analysis & use
- For training staff
- For epidemiological reviews
- For programme reviews
- For strategic plan development
- For domestic and international funding allocation

https://www.who.int/healthinfo/tools_data_analysis_routine_facility/en/
WHO TB digital platform

Global progress with uploading historical subnational TB data

- Only national teams have access to their data
- TME project team has the global overview
WHO | dhis2: TB digital platform: country implementation*

Global Fund’s Strategic Initiative on Data (2018-2020)

* Prospective use (national governance, team, server, training)
** Model 1**: data entry forms + dashboards
** Model 2**: dashboards only (if other established e-system in place)
WHO dhis2 TB digital platform: country implementation*

In support of national TB epidemiological reviews (2018-2019)

* Retrospective use to facilitate data analysis and use
Examples of dashboards

Within country comparison: national profile of key TB surveillance indicators
Examples of dashboards
GIS mapping, within country comparison: provincial and district levels
Examples of dashboards
Within country (provincial), time series (annual) comparison: TB cases notified
Examples of dashboards within country, time series comparison: national TB treatment outcome
Examples of dashboards
GIS mapping, across country comparison: district level
Examples of dashboards

Across country comparison:
age & sex disaggregation TB cases notified

Benin

Mali

Burkina Faso

Cote d’Ivoire

Niger

Guinea
Comprehensive country support packages to compile, analyze and use data: cross-cutting & disease specific

https://www.who.int/healthinfo/tools_data_analysis_routine_facility/en/

1/2 DHIS2 Health Data Apps based on WHO standards
2/2 Curriculum

Integrated health services analysis

Standards for measurement/analysis

- Facility analysis guide
- Facility analysis indicators
- General principles
- Data Quality Review (DQR) Toolkit

Programme-specific analysis

HIV
Immunization
RMNCAH*
Malaria
Hepatitis

Early warning
Noncommunicable diseases
Neglected tropical diseases
Nutrition
Next steps (1/2)

Continue country implementation of platform for aggregate data

For countries that are ready move to piloting of a platform for case-based data

- Global Fund Strategic Initiatives on Data & country grants
  - 2018-2020
  - 2021-2023 (level of support will depend on replenishment)
- USAID support
Next steps (2/2)
establishment of a “master” TB database

- Standardized key indicators
- Metadata
- Initially focusing on TB HBCs
WHO Global Task Force on TB Impact Measurement
Secretariat: WHO Global TB Programme, TB Monitoring & Evaluation Unit

www.who.int/tb/advisory_bodies/impact_measurement_taskforce

National TB Programmes of many countries & key technical and funding agencies