



2010 Coordinating Board Update on TB Impact Measurement

**Global Task Force on TB Impact
Measurement**

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Task Force mandate

- Produce **robust, rigorous, widely-endorsed assessment of whether 2015 targets are achieved** at global level, for each WHO Region and in individual countries
- **Regularly report on progress** towards impact targets in years leading up to 2015
- **Strengthen national capacity** in monitoring and evaluation of TB control



3 strategic areas of work

- **Strengthening surveillance** - use of routine surveillance data to measure incidence, prevalence and mortality
 - all countries
 - ultimate goal to measure cases and deaths directly from notification and vital registration data
- **Prevalence of TB disease surveys** in ≥ 21 global focus countries
- **Periodic review and revision of methods** used to translate data from surveillance systems and surveys into estimates of disease burden



Progress since Geneva CB 2009: main messages

- **Prevalence of TB disease surveys:** major global momentum
- **Methods:** full consensus on updated methods AND major new analyses on lives saved by TB control using these methods
- **Surveillance:** substantial progress facilitated by strong and effective collaboration with Global Fund
- **BUT: need to accelerate progress on strengthening surveillance** – slowed since mid-2010 due to insufficient funding and hence staff for secretariat

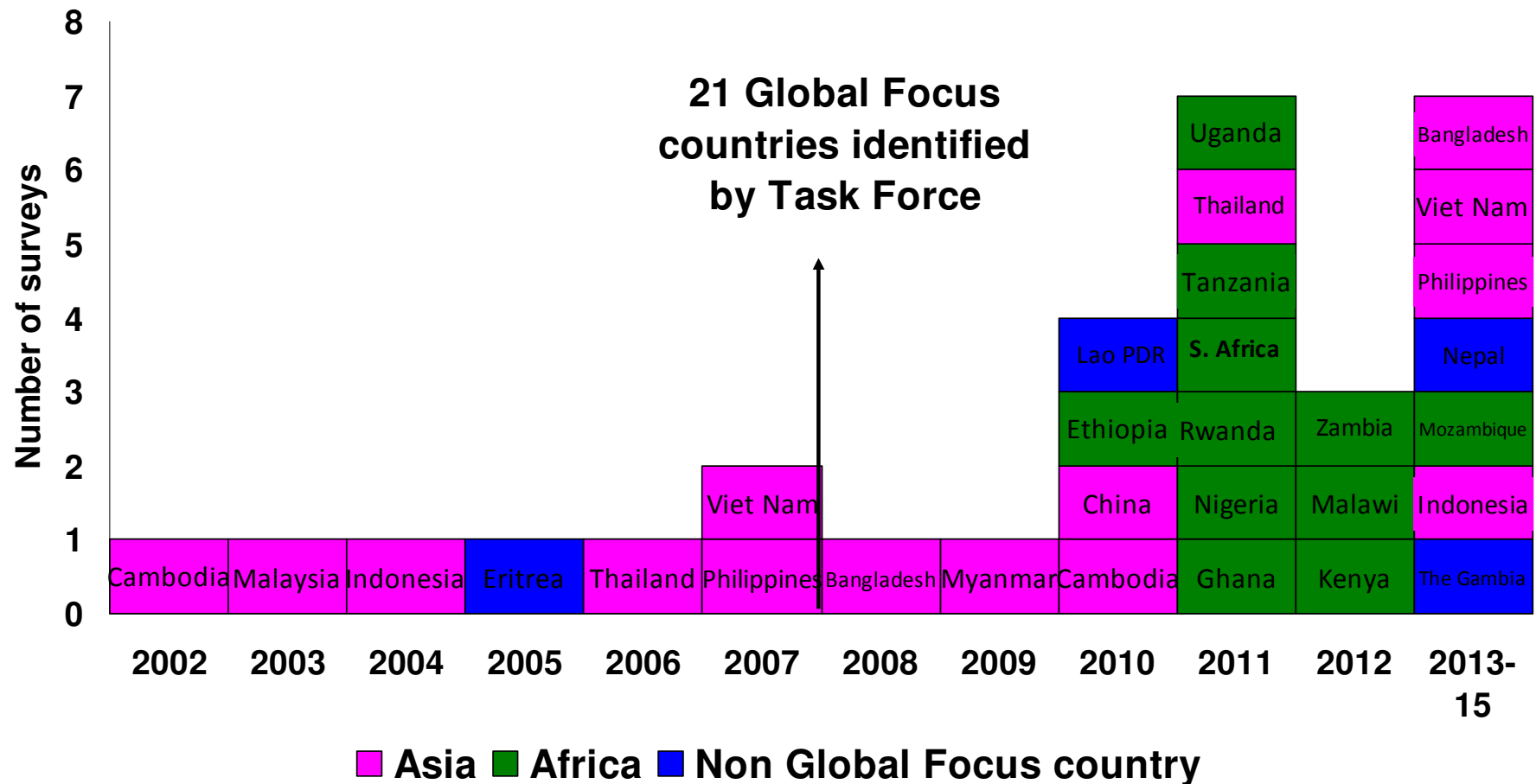


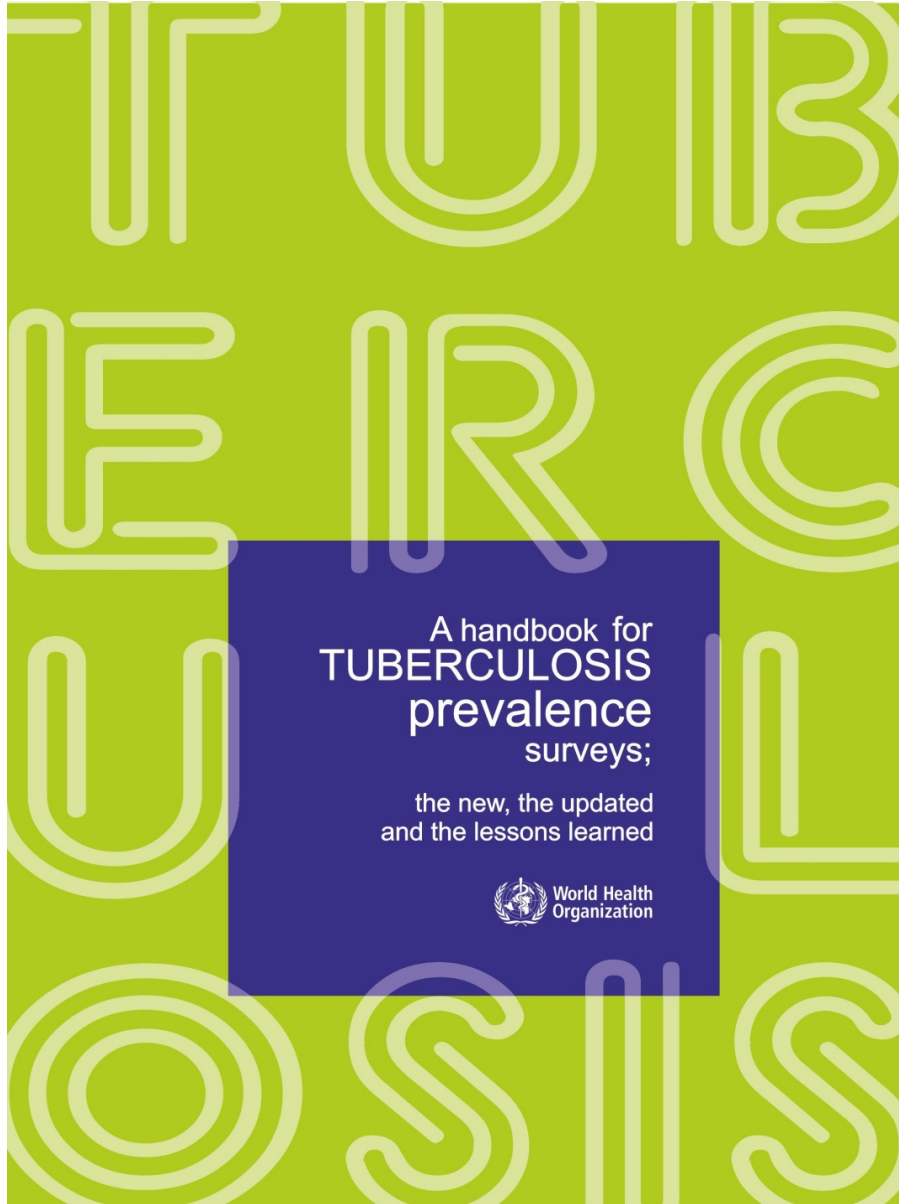


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Global progress, prevalence surveys





2nd edition of Handbook – to be launched in Berlin, 15 November

**Major collaborative effort
January–November 2010**

46 authors

**Multiple agencies/
universities/research
institutes and NTPs**

**Funding from USAID,
DGIS, Japan**

BREAKING NEWS 3 October 2010

Ethiopia Launched National TB Prevalence Survey

(first Sub-Saharan Africa TB disease prevalence survey in 50 years)





Nigeria: to start late 2010 or early 2011

China – survey completed July 2010 results expected by mid-2011



**Collect sputum
specimens**

**Bacteriological
examination**



China – survey completed July 2010, results expected by mid-2011

- **Symptom survey**
 - 252,844 people surveyed for TB symptoms
- **Chest X-ray**
 - 250,638 cases accepted chest X-ray examination
- **Sputum and culture**
 - 9,693 participants eligible, 9,591 (99%) examined

Prevalence surveys: other progress to highlight

- **Asia-Africa collaboration**, expect **Africa-Africa collaboration** in future
- **Global Fund** closed most existing funding gaps
- Technical missions and protocol reviews covering **almost all 21 global focus countries**
- **Two workshops, African global focus countries**
 - participation of survey experts from Myanmar, Viet Nam, Cambodia and China
 - Geneva, October 2009, Addis Ababa, October 2010

**Conclusion: concerted global effort
gaining momentum**



Disease prevalence surveys (next steps 2010-2011)

1. **Focused technical assistance to 5-7 African countries** starting or ready to start surveys in 2010–2011
2. **Continued assistance to Asian countries** in analysing data and disseminating results
 - Myanmar, China, Cambodia
3. Facilitating **Asia-Africa** and **Africa-Africa** collaboration
4. **Consultants and survey investigator training**
 - Cambodia, Feb/March 2011





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TB estimates – review/update of methods

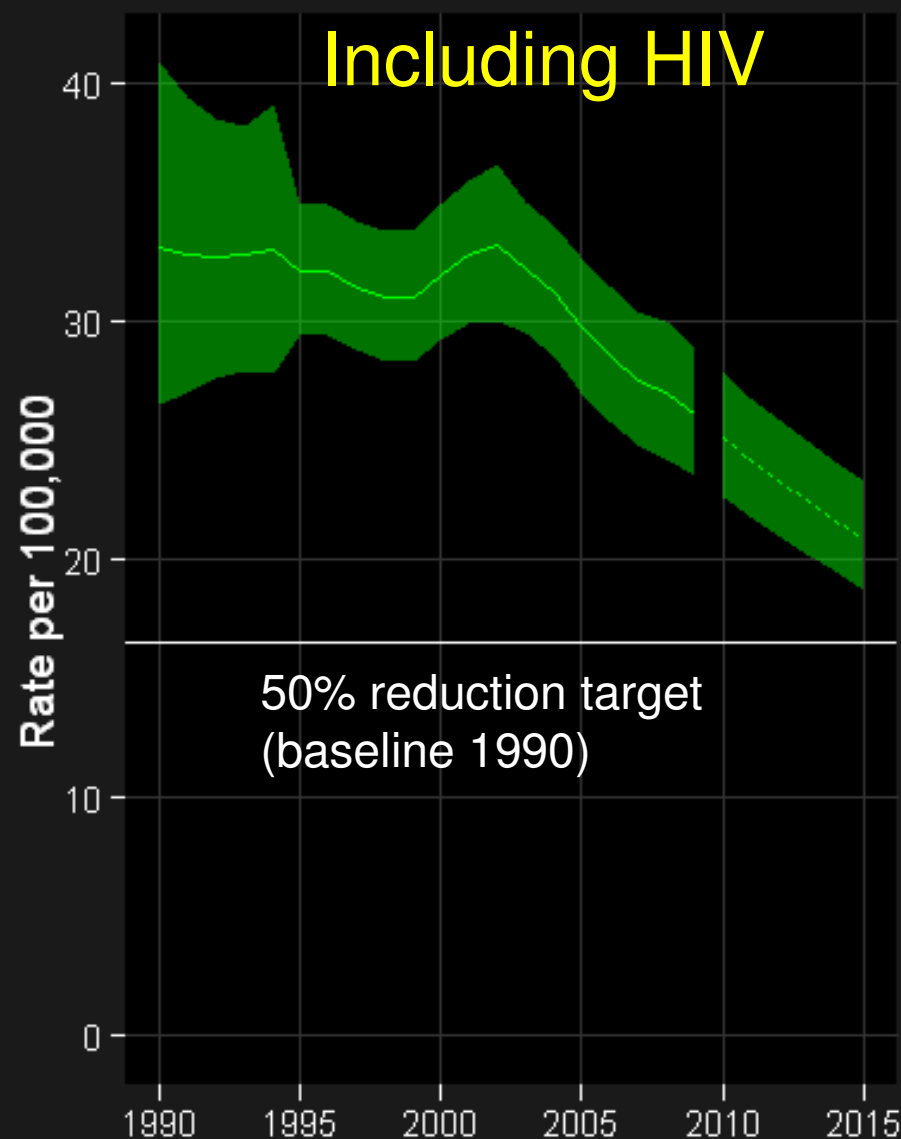
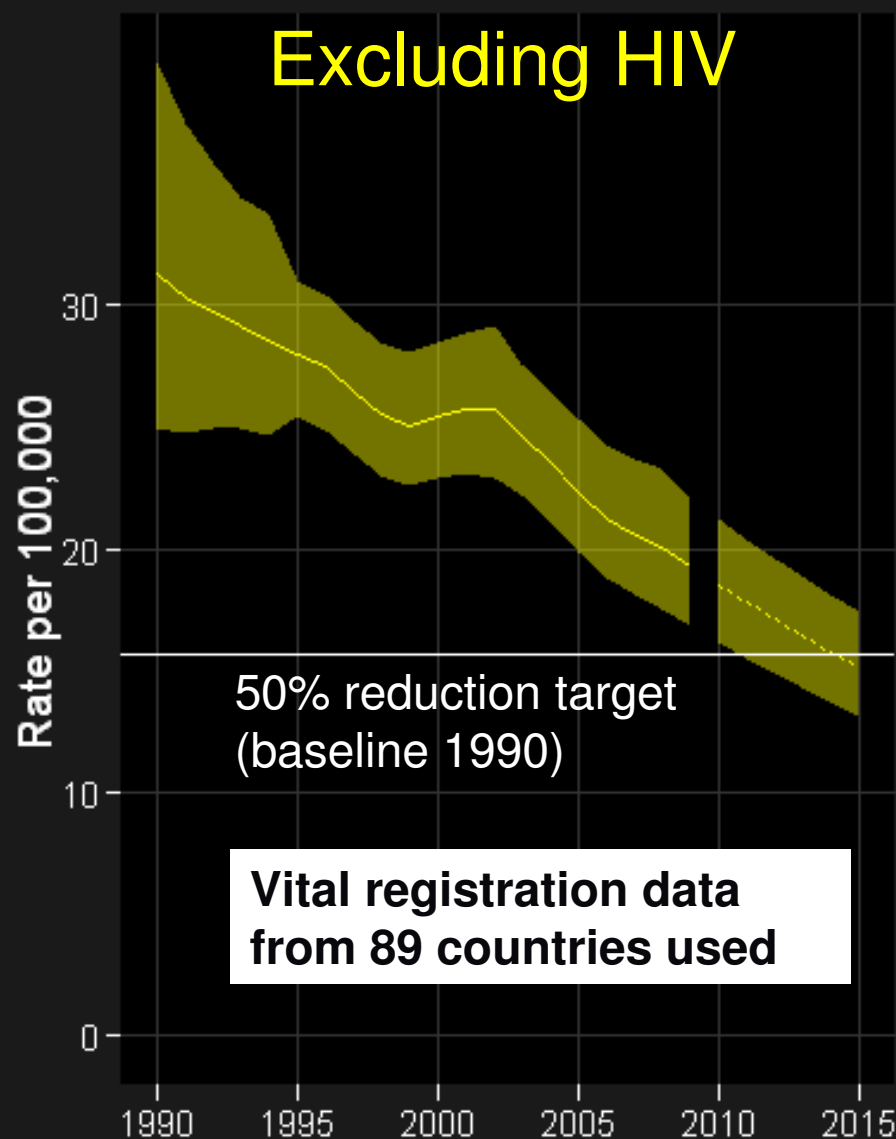
18 months review by TF subgroup, June 2008 - October 2009

co-led by WHO and KNCV, part funded by TBCAP

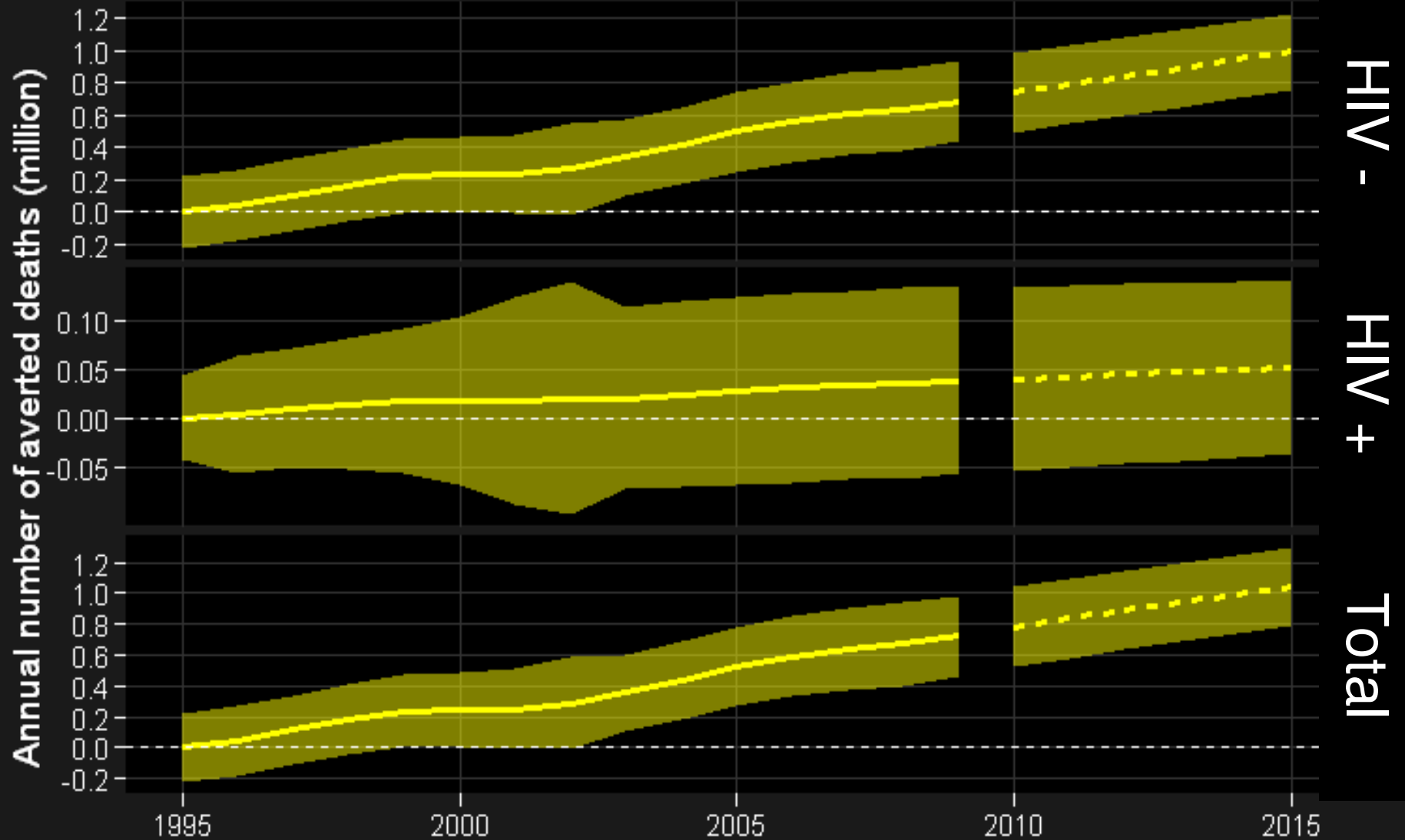
- **New methods developed and agreed by expert group**
- **Endorsed by full Task Force in March 2010**
- **Used for update of WHO 2009 global report and 2010 report AND**
- **Updated estimates will appear in **Global Burden of Disease** (3rd edition)**



Global decline in TB mortality



Lives saved through improved TB control since 1995



THE LANCET

Tuberculosis · May, 2010

www.thelancet.com

"Proper tuberculosis care and control averted up to 6 million deaths and cured 36 million people between 1995 and 2008. Much intensified action is needed to control and ultimately eliminate the disease."

Tuberculosis

EDITORIAL



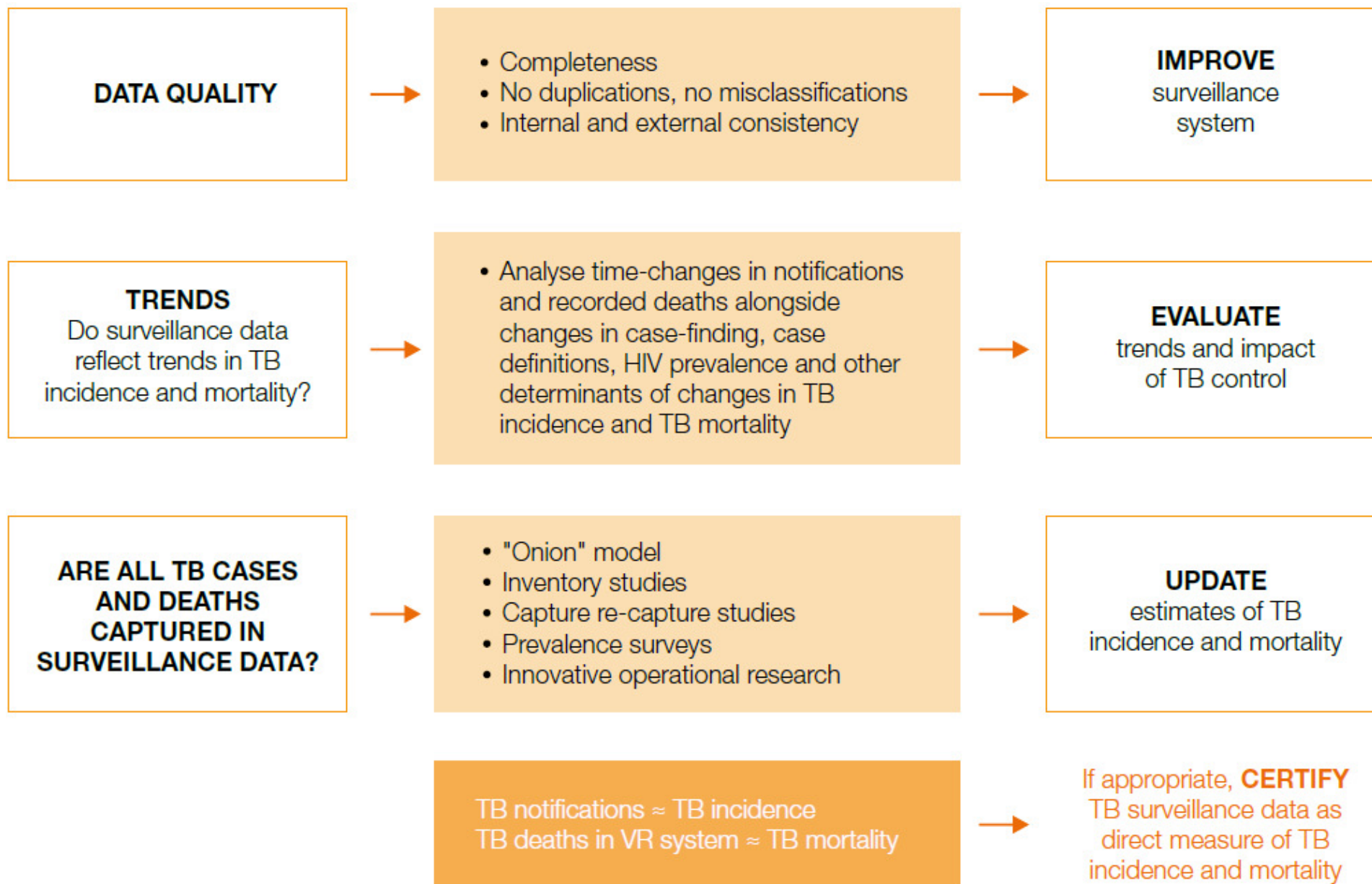
Tuberculosis Diagnosis — Time for a Game Change

Peter M. Small, M.D., and Madhukar Pai, M.D., Ph.D.

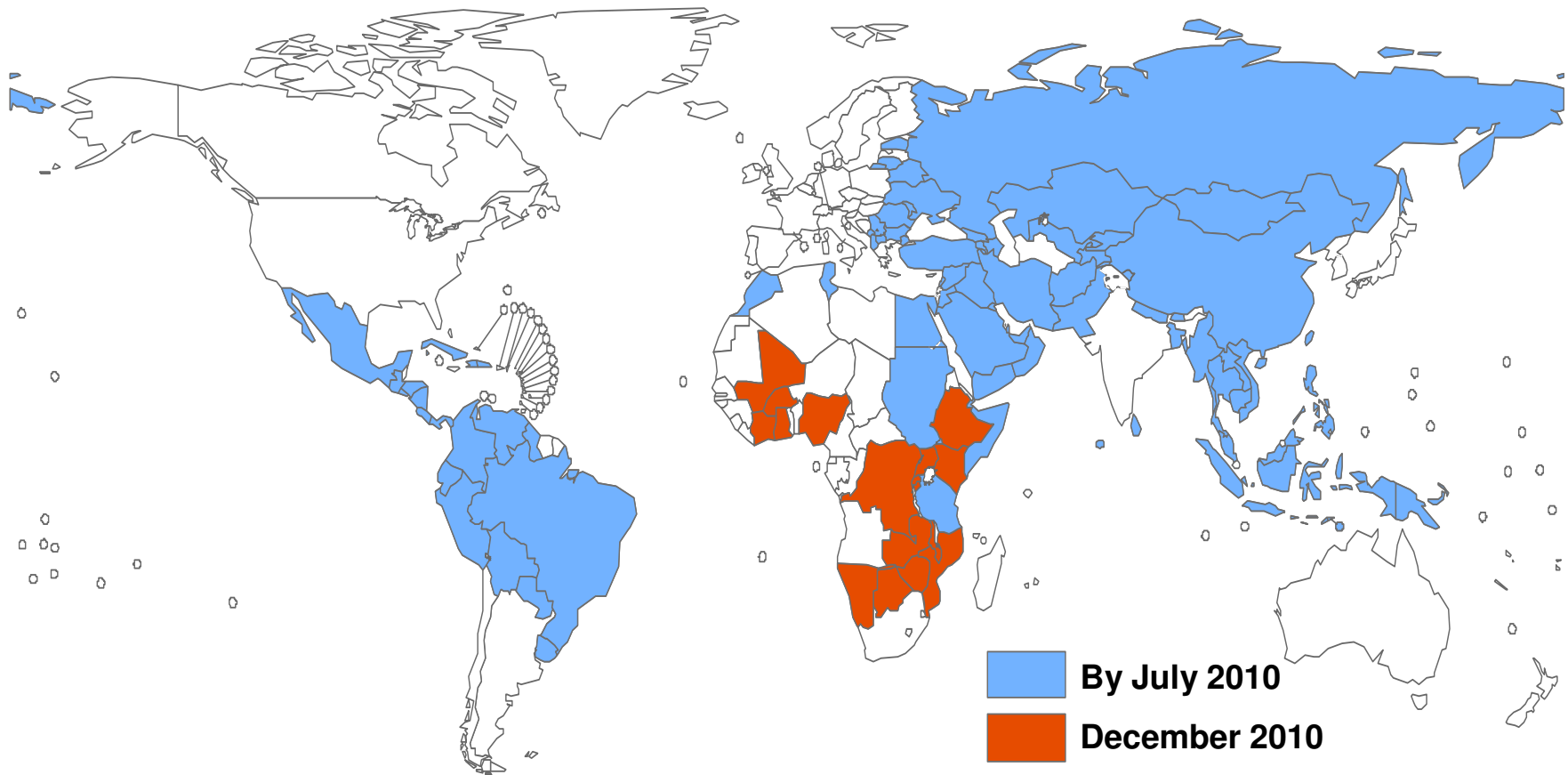
“.....The effective treatment of tuberculosis is a life-saving intervention. The global scale-up of tuberculosis therapy has averted 6 million deaths over the past 15 years, making it one of the greatest public health interventions of our lifetime.....”



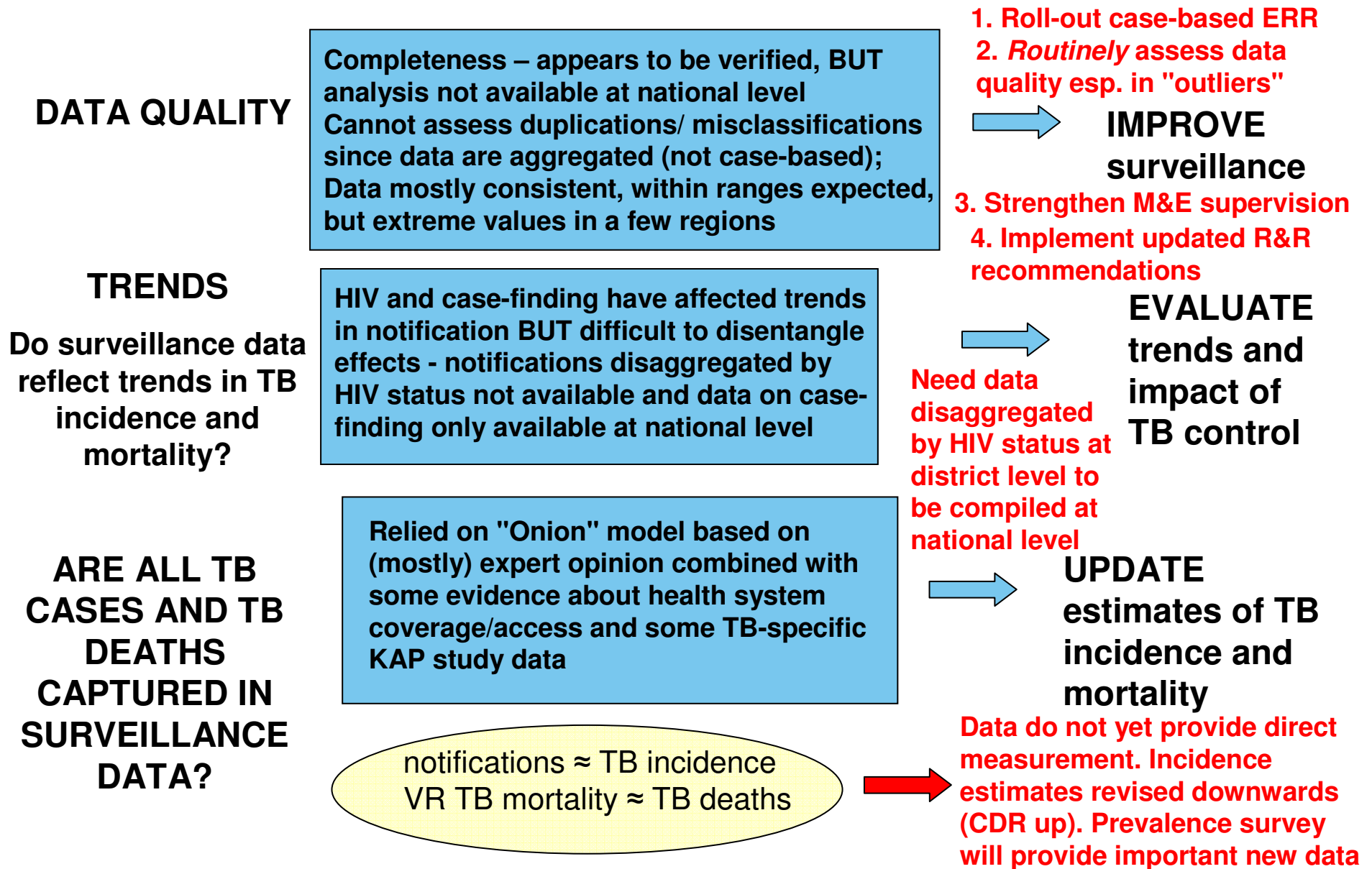
Surveillance: Task Force framework



Progress in applying Task Force framework since April 2009



An example: framework for Tanzania



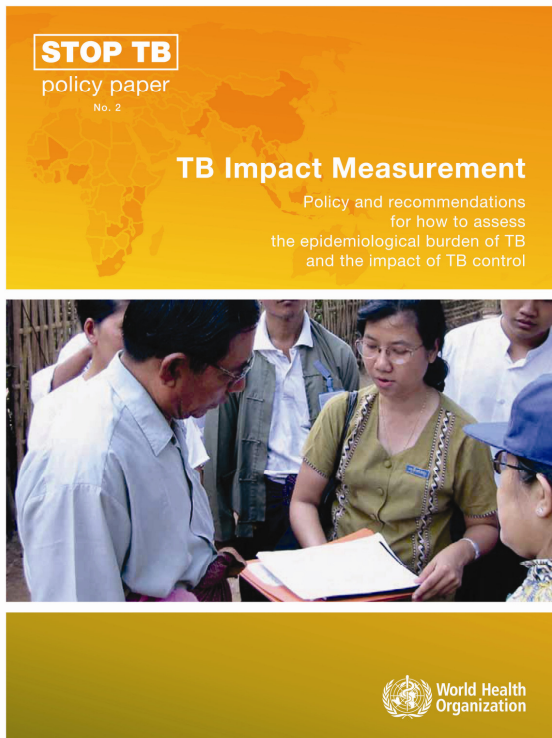
Strengthening surveillance (2010-2011 plan of work)

1. Finalize harmonized WHO/GF toolkit (by TF expert group)
 - Development of standards and benchmarks
 - Pilot in a few countries
 - Roll-out, aim to achieve data quality standards in all countries
2. India – updating estimates of disease burden through application of framework, early 2011

Finalization of toolkit and subsequent roll-out requires increased capacity in TME/WHO and among technical partners



General achievements in 2010



- **Policy paper** published
- **WHO/Global Fund TB joint "impact measurement" team**
- Strong, ongoing financial support from **USAID** and **Japanese government**
- Strategic funding from **Dutch government** (DGIS) in 2010

Major Challenge

(urgent request to Coordinating Board)

- Need for increased funding for secretariat to strengthen *and accelerate* finalization and roll-out of toolkit to strengthen surveillance
 - Approx US\$ 0.5 million per year



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