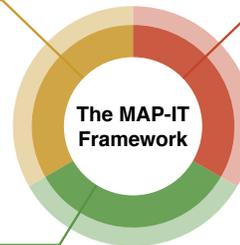


Model for Assessment of Pediatric Interventions for TB

A tool to estimate the potential impact of existing and new interventions for pediatric tuberculosis

MAP-IT offers several decision support tools that guide setting and technology change strategies. Those resource tools include:

Interactive Cause-of-Death Tree— Shows current deaths by type of tuberculosis.



Technology Assessments— Provide easy access and information on current technologies and technologies in development that could offer improvements in prevention, diagnosis, or treatment.

Predictive Model— Provides a detailed decision support tool that can be used by the global health community and technology developers to understand the potential mortality impact of various interventions within specific or broadly based areas.

The *Model for Assessment of Pediatric Interventions for TB* (MAP-IT) will be a user-friendly, web-based tool to estimate the potential impact of existing and new interventions for the prevention, diagnosis and treatment of pediatric TB (defined as 0-14 years). Users can assess the impact on TB incidence and mortality resulting from changes in a technology's availability, use, or efficacy. These parameters can be set by the user to reflect proposed changes to the technology or policies influencing its availability. With multiple scenarios and parameters, users can assess the comparative impact of intervention options. MAP-IT also allows users to package technology to explore possible intervention synergies.

MAP-IT builds on the methodology of the Maternal and Neonatal Directed Assessment of Technologies (MANDATE) model that has been used in 180+ countries by 45,000+ users, enabling them to consider the impact of single interventions or synergistic interventions on saving lives. To learn more, visit the MANDATE web site at <http://mnhtech.org>.

RTI International and the TB Alliance are developing MAP-IT as an accessible tool to inform strategies and to increase awareness of the potential impact of coordinated and creative solutions for pediatric TB. The MAP-IT website will be at <http://www.mapit4pedstb.org/>.

Cause Tree



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Jenkins HE, Tolman AW, Yuen CM, Parr JP, Keshavjee S, Pérez-Vélez CM, Pagano M, Becerra MC, Cohen T. Incidence of multidrug-resistant tuberculosis disease in children: Systematic review and global estimates. *The Lancet*. 2014;383(9928):1572-1579.

TB Alliance. TB is a Leading Killer of Children, Yet They Remain Utterly Neglected. 2015. Available at: <http://www.tballiance.org/children/>.

World Health Organization. *Childhood Tuberculosis*. 2015. Available at: <http://www.who.int/tb/challenges/children/en/>.

World Health Organization. *Global Tuberculosis Report 2015*. 20th edition, 2015. Available at: http://apps.who.int/iris/bitstream/10665/191102/1/9789241565059_eng.pdf?ua=1.

World Health Organization. *Roadmap for Childhood Tuberculosis: Towards Zero Deaths*. 2013. Available at: http://apps.who.int/iris/bitstream/10665/89506/1/9789241506137_eng.pdf.