

Tuberculosis is the **world's top infectious disease killer**, CLAIMING **1.5 MILLION LIVES** EACH YEAR

CDC AT THE FOREFRONT OF INNOVATION IN THE GLOBAL FIGHT AGAINST TB

1.7 BILLION

people are infected with latent TB (nearly 1/4 of the world's population)

10 MILLION

people became ill with disease in 2018 of those, 1,100,000 (11%) are children

TB ANYWHERE IS TB EVERYWHERE.

It spreads from person to person and can move across borders. Fighting TB ensures a safer America and a safer world

WHAT IS DRIVING THE CONTINUED SPREAD OF TB?



Missed TB

More than 30% of all TB cases went undetected or unreported ("missing"), this is down from 40% in 2017 respectively



Weak Health Care Systems

Patients are not being treated effectively, which contributes to the growing threat of drug-resistant TB



TB/HIV Co-Infection

TB is the top killer of people living with HIV, whose weakened immune systems make them more susceptible to becoming ill with TB



Drug Resistant TB

TB has grown resistant to our best drugs. Drug resistant TB is deadlier, costlier and harder to treat. It's now found in every country with 484,000 new cases of MDR/RR-TB* in 2018

WHILE THE WORLD HAS MADE PROGRESS AGAINST TB, WE URGENTLY NEED TO DO EVEN MORE

More than 58 million lives have been saved between 2000 and 2018

Efforts to end TB yield **\$43 in return** for every **\$1 invested**

To bend the curve on TB, the global community's resolve must be matched with action or we risk unraveling the progress we've made to date

*Multidrug-resistant tuberculosis (MDR-TB)/rifampicin-resistant TB (RR-TB)

CDC'S EFFORTS

CDC is at the forefront of innovation to end TB as a global public health threat.

CDC is working with Ministries of Health in more than 25 high burden countries to find, cure, and prevent TB and enhance global efforts. Through a unique combination of scientific and on-the-ground expertise, CDC is accelerating progress against this epidemic worldwide.



FIND

Expanding access to **better screening, contact tracing, and diagnostics**

Providing training and technical support to **scale up use of new and faster diagnostic tools**

Transforming the approach to diagnosing TB among children, those living with HIV, and other vulnerable groups



CURE

Evaluating better **TB treatment regimens**

Working with ministries of health to strengthen health systems critical to **finding and curing TB**

Through PEPFAR*, **scaling up HIV anti-retroviral treatment** for people co-infected with TB and HIV

* U.S. President's Emergency Plan for AIDS Relief



PREVENT

Identifying TB hotspots to target screening efforts

Strengthening basic TB infection control programs in health facilities and communities

Expanding access to TB preventive treatment for people living with HIV



ENHANCE

Developing and strengthening **surveillance and laboratory systems**

Expanding **workforce and research capacity through guidelines, mentorship, and training programs**

Strengthening programs through **operational research, implementation and evaluation**

CDC KEY ACCOMPLISHMENTS AND PROGRAMS

Through September 2018, CDC has supported **TB screenings for 6.5 million people living with HIV**

Building on PEPFAR's platform, CDC has launched a **new effort to scale up TB preventive treatment for people living with HIV in high burden countries**

CDC is working to identify the fastest, most effective way to diagnose TB in children, **setting the global gold standard for pediatric diagnosis and treatment**

CDC is partnering with World Bank in four countries in Southern Africa as part of a **5 year effort to expand diagnoses and treatment** to miners, their families and communities

In India, CDC and partners are **fighting MDR TB** by intensifying efforts to **find missing cases, boost lab capacity, and strengthen infection control measures**

LOOKING TOWARDS THE FUTURE

We stand at a critical juncture, with an opportunity to elevate worldwide leadership and commitment in the fight against TB. We must act now to:



Scale up effective tools and approaches



Develop new approaches including less toxic drugs and more effective diagnostics



Strengthen surveillance systems, lab capacity and TB infection control measures



Develop an effective vaccine



Encourage greater accountability, collaboration and investments from all corners of the global health community

FOR MORE INFORMATION

To learn more about CDC's work to combat TB around the world, visit www.cdc.gov/globalhivtb

