

## Using Implementation Science in Tuberculosis Epidemiologic Studies Consortium (TBESC-III)

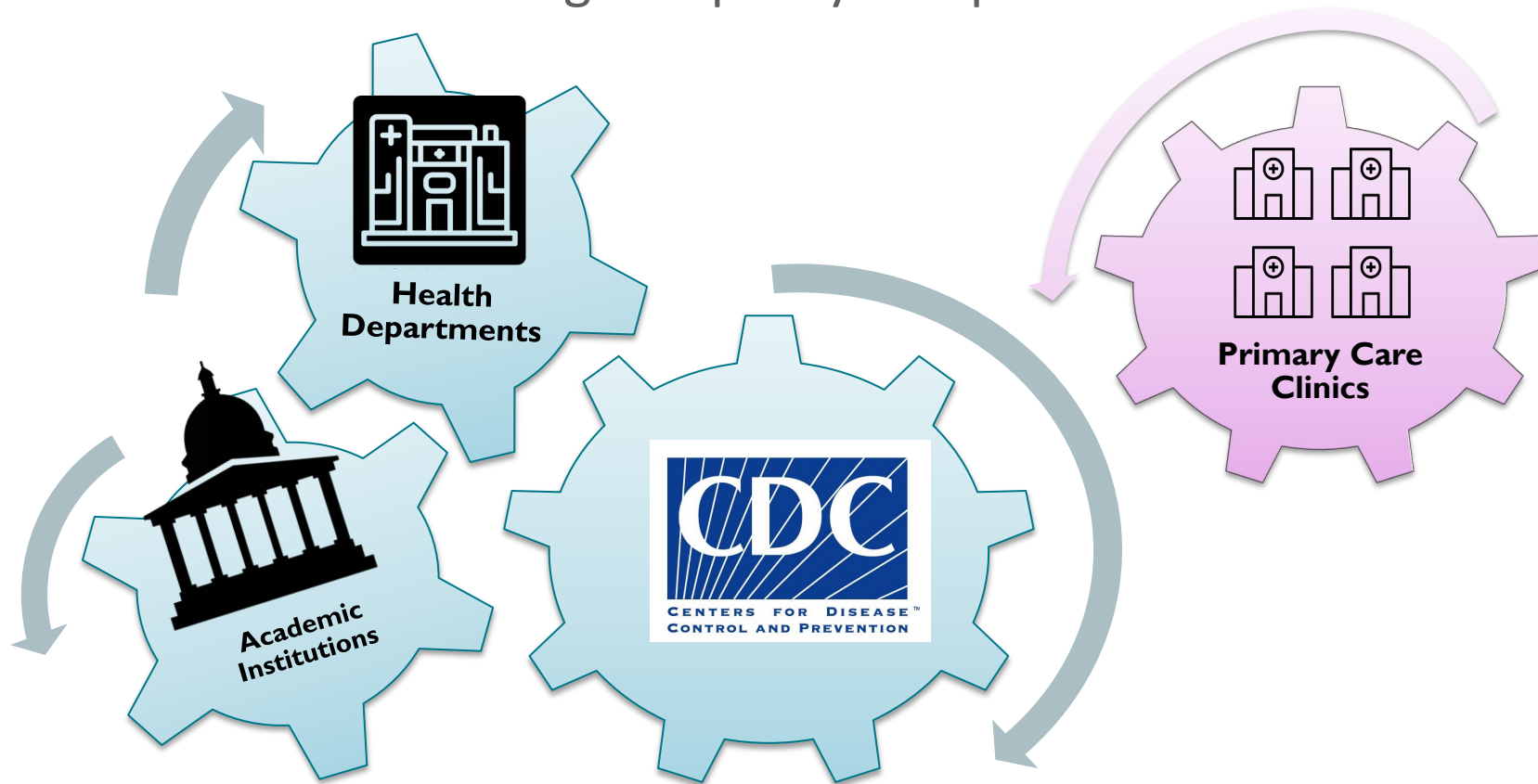
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# Tuberculosis Epidemiologic Studies Consortium (TBESC)

## Mission:

To assist TB Elimination efforts in the U.S. by designing and conducting epidemiological research studies to answer the most important questions to guide policy and practice.



**TBESC-III**  
**2021-2026**



- Launched in October 2021
- 4.5-year contract

# TBESC-III: Mission Statement and Objective

- **Mission:** To assist TB Elimination efforts in the United States centered on LTBI among **non-U.S.–born populations at higher risk seeking care in primary care settings**
- **Objective:** To use implementation science to identify **primary care interventions that increase LTBI targeted testing and treatment** that are both effective and efficient

# TBESC-III: Specific Aims



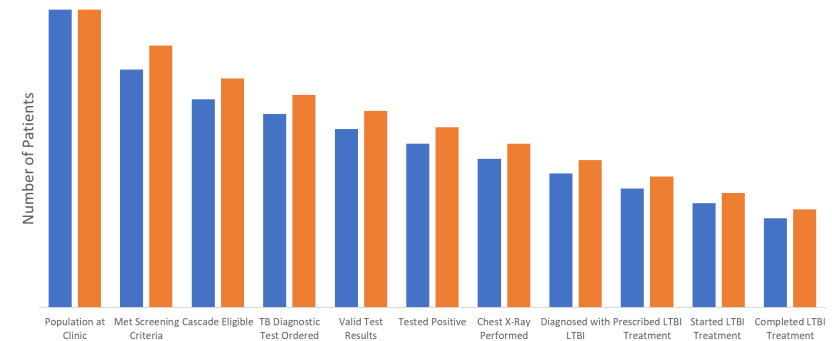
Identify primary care settings serving non-U.S.–born persons at higher risk for LTBI



Collect electronic medical record (EMR) data



Implement clinical and patient centered interventions to improve measures across LTBI care cascade



Monitor and evaluate intervention performance over time

# TBESC-III: Interventions

- Sites have implemented interventions that improve adoption of CDC LTBI recommendations:



Increase targeted testing of non-U.S.-born population



Use of IGRA for TB testing

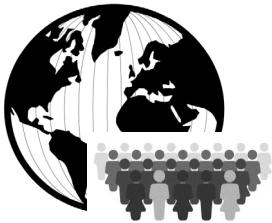


Use of rifamycin-based short course treatment regimens for LTBI

# The Role of Implementation Science in TBESC-III

- Address the gap between knowledge and practice
- Why are interventions improving or NOT improving LTBI care cascade outcomes?

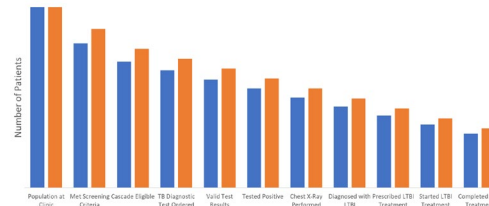
## Example:



Increase targeted testing of non-U.S.–born population

**Intervention:**  
EMR alert for patients who should be screened for TB infection

EMR data



Has testing increased among the non-U.S.–born population?

Implementation science

**WHY** is testing increasing, decreasing or remaining stable?

### Provider surveys

- Why was EMR alert adopted or not?

### Aggregate data

- How was alert being used?
- Who was using it?

# Questions?

For more information, contact CDC  
1-800-CDC-INFO (232-4636)  
TTY: 1-888-232-6348 [www.cdc.gov](http://www.cdc.gov)

The findings and conclusions in this report are those of the authors and do not necessarily represent the official position of the Centers for Disease Control and Prevention.

