

# Cohort Review Achievement and Local Program Evaluation

Building on Local Achievement



Debbie Staley, RN, MPH  
TB/Refugee Nurse Training  
November 14, 2014

## Objectives

The participant will be able to:

- Describe the trends in statewide cohort accomplishment on the 10 NTIP indicators evaluated in cohort review
- Develop two ideas for local TB program evaluation that can be completed in the next year

## Cohort Review - A Program Evaluation Tool

- Retrospective
- Evaluates outcomes
- Based on the National TB Indicators Project  
<http://www.cdc.gov/tb/programs/Evaluation/Indicators/default.htm>
- National targets for 2015 achievement set
- Required as a condition of CDC funding Cooperative Agreement



## Cohort Review of 2013 TB Cases

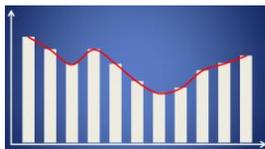
- Conducted in 2013-2014
- Included all 180 reported TB Cases
- 10 cohort review sessions
  - 4 regional by video-conferencing
  - 2 individual district reviews by polycom
  - 3 on-site individual district reviews
  - 1 on-site joint review
- Performance trends
  - Improved for all for case management indicators but one
  - Contact related indicators were mixed; 2 better, 2 decreased performance



## Virginia Performance - 2012 Cases Case Management Indicators

## Cohort Review Results

2013 TB Cases



NTIP Indicator	Virginia Achievement in Cohort Review %	Virginia Performance Target for 2012 TB Cases %	2015 NTIP Performance Target %
Sputa collection for respiratory site	98.3	90	95.7
Sputa conversion	72.8	50	61.5
Drug susceptibility results present	100	94	100
Recommended initial therapy	96.1	92	93.4
Completion of treatment in <366 days	84.8	89	93
Known HIV result	93.5	79.3	88.7

## Virginia Performance - 2012 Cases Contact Indicators

NTIP Indicator	Virginia Achievement in Cohort Review %	Virginia Performance Target for 2012 TB Cases %	2015 NTIP Performance Target %
Contacts elicited	94.1	95.0	100
Contacts completely evaluated	74.8	92.5	93
LTBI Treatment Initiation	60.4	70	88
LTBI Treatment Completion	70	70	79

## Evaluation of TB Prevention - A Virginia Measure

Virginia TB Prevention Indicator	Virginia Achievement in Cohort Review %
LTBI Complete New LTBI Diagnosis	37.4%

Virginia Measure: The proportion of contacts to sputum AFB smear-positive TB cases with newly diagnosed LTBI that complete treatment for LTBI.

## Annual Program Evaluation Project

A Mid-Year Change in Plans



## The Original Plan

- To re-evaluate sputum conversion data to see if sputum collection between day 55 and 60 after treatment start had improved
- To evaluate the change in sputum collection policy
  - After smear conversion, collect 3 samples spread out through each month
- To determine if culture conversion before day 60 has improved

## A Change in Plans- Completion of Treatment

- Review of cases at treatment completion
  - Please complete the "TB Case Completion/Discontinued Medication" form
  - May require a phone call from nurse consultant
  - May request fax of DOT sheets
- Identification of contributing factors

## Reasons for the Change

- Achievement in Completion of Treatment Indicator
- Cases lacking a rifamycin in the regimen not treated long enough
- Concern about receipt of adequate regimens

## Local Program Evaluation

Evaluation Makes a Difference



## Consider Local Program Evaluation

- A cohort indicator in need of improvement
- Case management time frame requirement
- Initiate chart audits and the findings
- Identify reasons given for not starting LTBI
- A change in practice and its effect



## Resources for Evaluation



- “TB Program Evaluation Handbook: Introduction to Program Evaluation,” 2006, CDC Website
- “A Guide to Developing a TB Program Evaluation Plan,” CDC Website
- “Aggregate Reports for Tuberculosis Program Evaluation: Training Manual and Users Guide,” 2005, CDC Website

## Keep it Simple



- Ask one program related question
- Develop a way to measure current practice or performance relative to a standard
- Brainstorm and choose intervention(s) for improvement
- Measure performance after interventions
- Repeat

## Share Local Program Evaluations

- Evaluation either planned or ongoing
- Reason for choice of evaluation focus
- Results, if known



## Questions / Comments