

National TB Program Objectives and Virginia's Progress and Activities

Laura R. Young, MPH, CIC & Amy Beahm, RN, BSN

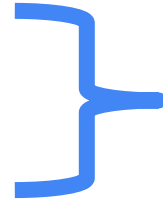
Biennial TB & Refugee Nurse Meeting, November 2024

Agenda

- Review the National TB Program Objective's and Virginia's performance
- Preview the 2030 National TB Program Objectives
- Share planned activities for the 2025-2030 grant cycle

National TB Program Objectives

- Reducing TB Incidence (overall and in specific populations)
- Laboratory Reporting
- Data Reporting
- Program Evaluation
- Human Resources and Development
- Case Management and Treatment
- Contact Investigations
- Examination of Immigrants and Refugee



Main focus for local
TB programs

Can anyone define one of the specific objectives?

Objectives on Case Management and Treatment

HIV Status – 2025 Target – 99%

	2022	2023
Virginia Performance	97.9%	95.6%
United States Performance	91.1%	89.7%

Treatment Initiation – 2025 Target – 96%

	2022	2023
Virginia Performance	90%	83.6%
United States Performance	84.3%	85.6%

Recommended Initial Therapy – 2025 Target – 97%

	2022	2023
Virginia Performance	96.8%	97.5%
United States Performance	92.2%	90%

Sputum Culture Result Reported – 2025 Target – 99%

	2022	2023
Virginia Performance	96.7%	97.5%
United States Performance	93.9%	85.1%

Sputum Culture Conversion – 2025 Target – 83%

	2022	2023
Virginia Performance	76%	85.3%
United States Performance	66.5%	57%

Completion of Treatment – 2025 Target – 95%

	2021	2022
Virginia Performance	90.5%	88.4%
United States Performance	86.9%	83.1%

Objectives on Contact Investigations

Contact Elicitation – 2025 Target – 100%

	2021	2022
Virginia Performance	92.5%	95.7%
United States Performance	91.8%	89.8%

Contact Examination – 2025 Target – 94%

	2021	2022
Virginia Performance	88.6%	75.9%
United States Performance	76.4%	72.5%

Treatment Initiated – 2025 Target – 92%

	2021	2022
Virginia Performance	86.2%	87.6%
United States Performance	74.3%	76.2%

Treatment Completion – 2025 Target – 93%

	2021	2022
Virginia Performance	92.0%	85.9%
United States Performance	81.6%	79.7%

Objectives on Examination of Immigrants and Refugees

Examination Initiation – 2025 Target – 72%

	2022	2023
Virginia Performance	69.8%	67.3%
United States Performance	35.1%	35%

Examination Completion – 2025 Target – 78%

	2022	2023
Virginia Performance	73.7%	63.8%
United States Performance	43.4%	43.4%

Treatment Initiation – 2025 Target – 87%

	2022	2023
Virginia Performance	54.4%	48.2%
United States Performance	61.5%	59.3%

Treatment Completion – 2025 Target – 87%

	2022	2023
Virginia Performance	90.3%	76.5%
United States Performance	79%	69%

Virginia Summary

- Exceeding national targets for 2 of 14 highlighted indicators
- Exceeding national average for 12 of the 14 highlighted indicators
- Below targets and national average for:
 - Treatment initiation for immigrants/refugees
 - Treatment initiation for active TB disease

2030 NTIP Targets

- Goals are aspirational over the five year period
- Aim for steady progress
- CDC evaluated target methodology when preparing to update goals
 - Found that fewer than half of programs were meeting targets, although not losing ground either
- 2030 targets will be a bit more achievable based on historic program performance

2030 NTIP Targets

Objectives on Case Management and Treatment	2030 Target	2025 Target
HIV status	98% (-1%)	99%
Treatment Initiation	91% (-5%)	96%
Recommended Initial Therapy	96% (-1%)	97%
Sputum Culture Result Reported	98% (-1%)	99%
Sputum Culture Conversion	80% (-3%)	83%
Completion of Treatment	92% (-3%)	95%

2030 NTIP Targets

Objectives on Contact Investigations	2030 Target	2025 Target
Contact Elicitation	100%	100%
Examination	90% (-4%)	94%
Treatment Initiation	92%	92%
Treatment Completion	93%	93%

2030 NTIP Targets

Objectives on Examination of Immigrants and Refugees	2030 Target	2025 Target
Exam Initiation	60% (-12%)	72%
Exam Completion	68% (-20%)	88%
Treatment Initiation	80% (-7%)	87%
Treatment Completion	92% (+5%)	87%

Program Evaluation Plan 2025-2030

2025-2030 Planned Projects

- Building on the workload evaluation from the previous five-year grant cycle
 - Evaluation of internal reporting of clients with presumptive TB, for whom TB is later ruled out. Management of clients for whom TB is ruled out is staffing intensive and this information is critical for informing staffing decisions
- Evaluation of NTIP indicator for culture turnaround time and NAAT turnaround time
- Evaluation of EDN data reporting completeness including evaluation of LTBI treatment initiation and completion of immigrants and refugees with a B1 classification.
- Evaluation of training with infection control partners across Virginia

2025 Project: Culture and NAAT Turnaround Time (TAT) for Positive Respiratory Specimens

Summary

Virginia struggles to meet national targets for laboratory reporting in culture and NAAT TAT. Timely TAT and reporting are essential to TB case management.

Purpose

To determine if performance is impacted by:

- Inaccurate data entry
- External labs vs. DCLS

Determine if goals are achievable in Virginia based on defined processes for labs in Virginia

TAT – Culture – 2025 Target - 78%

	2022	2023
Virginia Performance	50.9%	56.9%
United States Performance	49.7%	48.5%

TAT – NAA – 2025 Target - 97%

	2022	2023
Virginia Performance	72.7%	84.4%
United States Performance	79.8%	79.5%

Timeline

- January 2025 - Identify surveillance records for patients who did not meet goal for 2022 or 2023
 - Perform QA to ensure accurate and correct data captured in VEDSS
- March 2025 – Determine if there is a difference in timeliness for specimens tested at DCLS compared to external labs
 - Reminder that NTIP metrics are based on a single result
- May 2025 – Determine if NTIP objectives are achievable based on defined processes for labs in Virginia
 - Outreach to labs about TB testing processes

Cohort Review

- Annual cohort reviews for any district in which at least one countable case was reported and/or in which at least one B1 client was evaluated in the prior year.
 - Focus on applicable NTIP
 - Review district-level NTIP indicator goal performance and share best practices
 - Clarify surveillance definitions; ensure data is captured appropriately
 - Conversational and reflective
- Learning from others:
 - Two webinars per year highlighting a complicated or challenging case or to share best practices.

EDN Quarterly Reports

- Quarterly EDN reports for any district with at least one refugee or immigrant with a B status
 - Looking at the worksheet status
 - Sending reports to districts that have any status of “not started” for the previous quarter or prior to that quarter
 - Sending requests for updates for any status of “in progress” that is over 6 months old
 - Asking for updates

Thank you!