



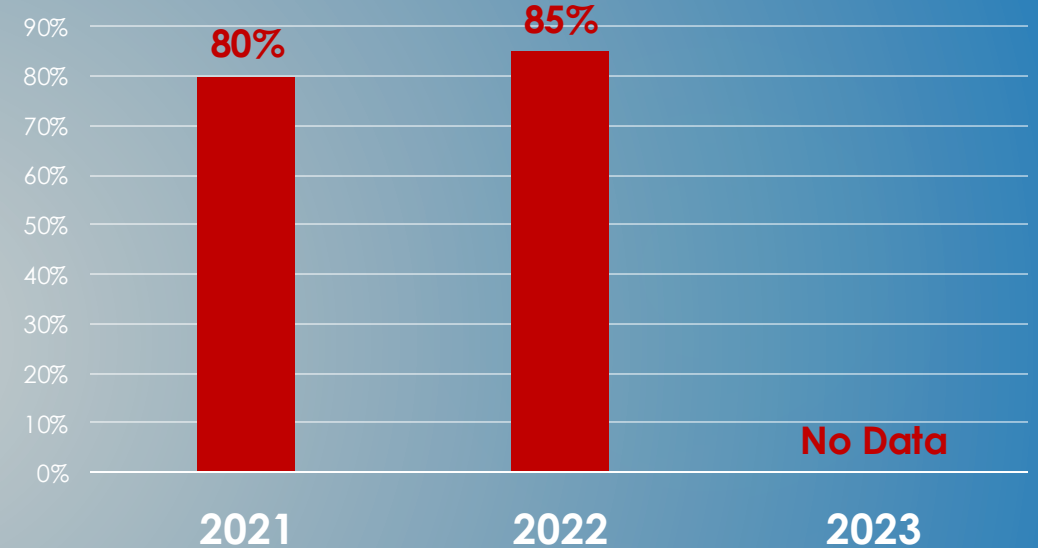
# Tuberculosis Systematic Screening and Preventive Treatment among Household and Close Contacts of People with Infectious Tuberculosis and People Living with HIV in Georgia

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# Problem Statement

- ▶ WHO Estimated total TB incidence, In Georgia, 2023, – 55 per 100,000 population
- ▶ Only 11.6% newly diagnosed PLHIV were started on TPT in 2019-2020 cohort. (Source: Buziashvili et al. (2024))
- ▶ People living with HIV newly enrolled in care on TB preventive treatment - No data available (2021-2023) (Source: WHO)

Coverage of contacts with systematic screening for active TB



Source: National Tuberculosis Control Strategy and Action Plan of Georgia for 2023–2025)



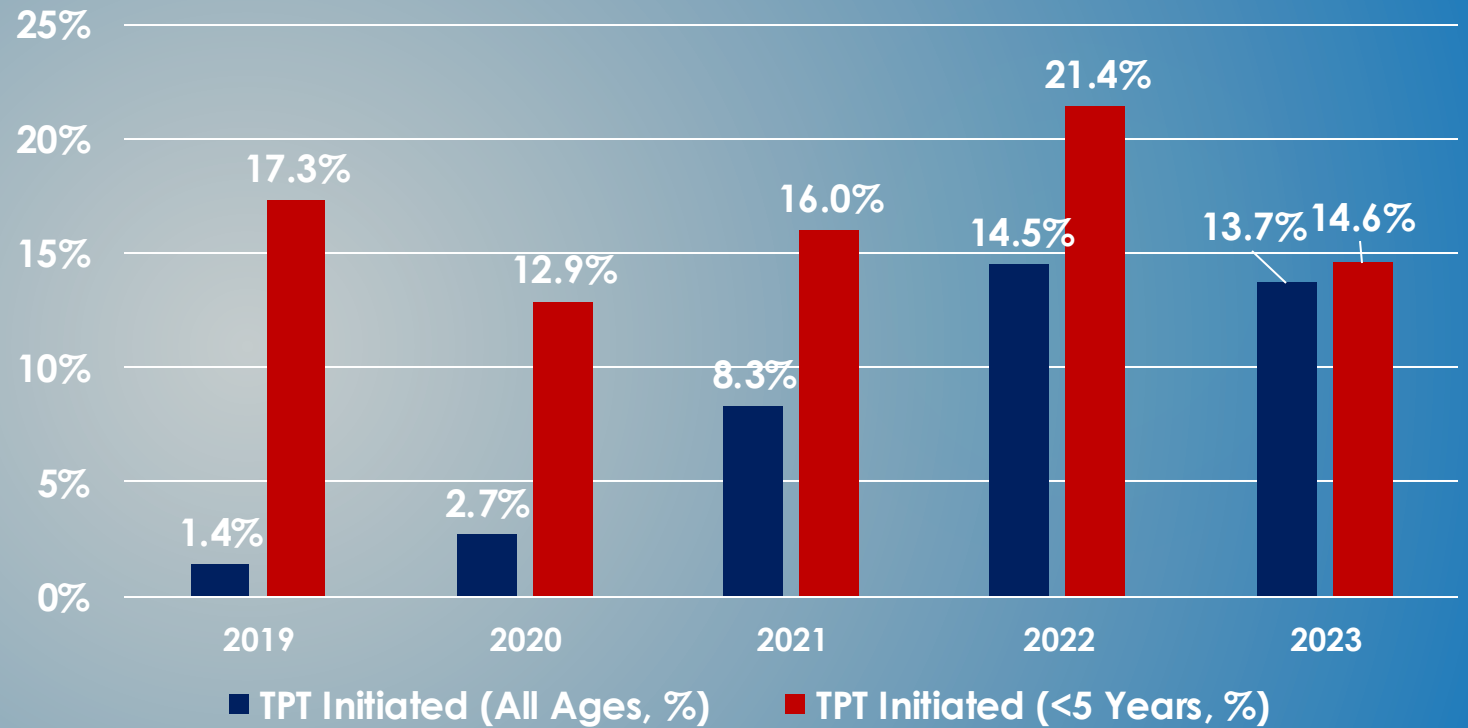
# Implementation Challenge

PEOPLE STARTED ON TB PREVENTIVE TREATMENT 2023

**396**

(471 in 2022 ↓ -16%)

## TPT Coverage, 2019-2023 years



Source: NCTLD



Georgian Implementation Fellowship Training Summer Bootcamp

Tbilisi, Georgia – July 30 – August 2, 2025

# Study Goal

- ▶ The Study Goal: To evaluate TB systematic screening and TPT implementation among household and close contacts of people with infectious TB and PLHIV in Georgia
- ▶ The study objectives:
  1. To evaluate policies, health system readiness, and implementation processes for TB systematic screening and TPT among HHCCs and PLHIV;
  2. To evaluate barriers and facilitators to systematic TB screening and TPT implementation among HHCCs, PLHIV and healthcare providers, considering patient-, provider-, and system-level factors
  3. To assess determinants of TPT initiation and completion among HHCCs screened between January 2021 and December 2025;
  4. To assess TB disease incidence and associated risk factors among HHCCs and PLHIV screened between January 2021 and December 2025, with follow-up through 2027.



# What is the evidence-based practice you intend to implement better?

- Systematic screening increases case detection and leads to earlier diagnosis (Kranzer et al., 2013)
- TPT is a proven and effective intervention to avert the development of TB disease among those exposed, reducing their risk by about 60–90%. (Getahun et al., 2015)
- An estimated 850,000 preventable TB deaths could occur by 2035 if high-risk populations do not receive TPT. (Ryckman et al., 2023)
- The main health care intervention available to reduce the risk of TB infection progressing to active TB disease is TB preventive treatment. (Global tuberculosis report 2024)



# Implementation Framework

CFIR Framework will be used to identify potential barriers and facilitators to TPT implementation.

We will conduct:

- In-depths interviews with providers, HHCCS and PLHIV
- NGT with providers and HHCCs and PLHIV

# NGT Early Results

#	Barriers	Number of Votes	Percentage of total votes (%)
1	Limited awareness among providers and communities about TB risk groups, case identification, and availability of preventive services	5	17%
2	Lack of diagnostic tools	5	17%
3	Lack of education regarding TB services		
4	Lack of education regarding TB prevention	2	7%
5	Absence of fixed-dose combination regimens complicates treatment administration	5	17%
6	Lack of water-soluble formulation for children	1	3%
7	PHC/ physicians not motivated to do the work	1	3%
8	Lack of patient education		
9	Preventive treatment is too long		
10	Lack of communication/coordination	1	3%
11	Lack of integration of services (increased infection risk)	3	10%
12	Lack of commitment and prioritization by government	7	23%

# NGT Results

#	Facilitators	Number of Votes	Percentage of total votes (%)
1	Government should support the service integration	8	30%
2	Market for the combined medication	2	7%
3	Ensure availability of Diagnostic test throughout country	6	22%
4	Provide training for all PHC		
5	TB preventive medications outside of TB sites	2	7%
6	Fixed-dose combinations and simplified treatment regimens	6	22%
7	Financial motivation for patients	2	7%
8	Financial motivation for providers	1	4%

# NGT results mapped into to the CFIR

CFIR Domain	Barriers	Facilitators (ERIC Strategies)
Intervention Characteristics	Absence of fixed-dose combination regimens complicates treatment administration	Access new funding
Inner Setting	Lack of commitment and prioritization by government	Conduct local consensus discussions Build a coalition
	Lack of diagnostic tools	Access new funding Change physical structure
Individual Characteristics	Limited awareness among providers and communities about TB risk groups, case identification, and availability of preventive services	Conduct educational meetings Provide Trainings



# Conclusions and Next Steps

- ▶ Develop semi-structured questionnaire for In-depth interviews
- ▶ Conduct NGT with PHC staff, HHCCs and PLHIV





Thank you for your attention!

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