

LTBI Outreach Project

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Shadi Barfjani, MD, MS,
Senior Deputy Director

Leticia Garcia Castillo, MSN, RN, PHN
Disease Control and Prevention Manager



Purpose:

- Understanding the LTBI cascade of care in San Joaquin County
- Justifying the need to establish an LTBI/IGRA outreach program under LHD TB control

Data Timeline:

- Pilot: May through August 2022
- IGRA Outreach Program: September 2022 - August 2023

Data Sources:

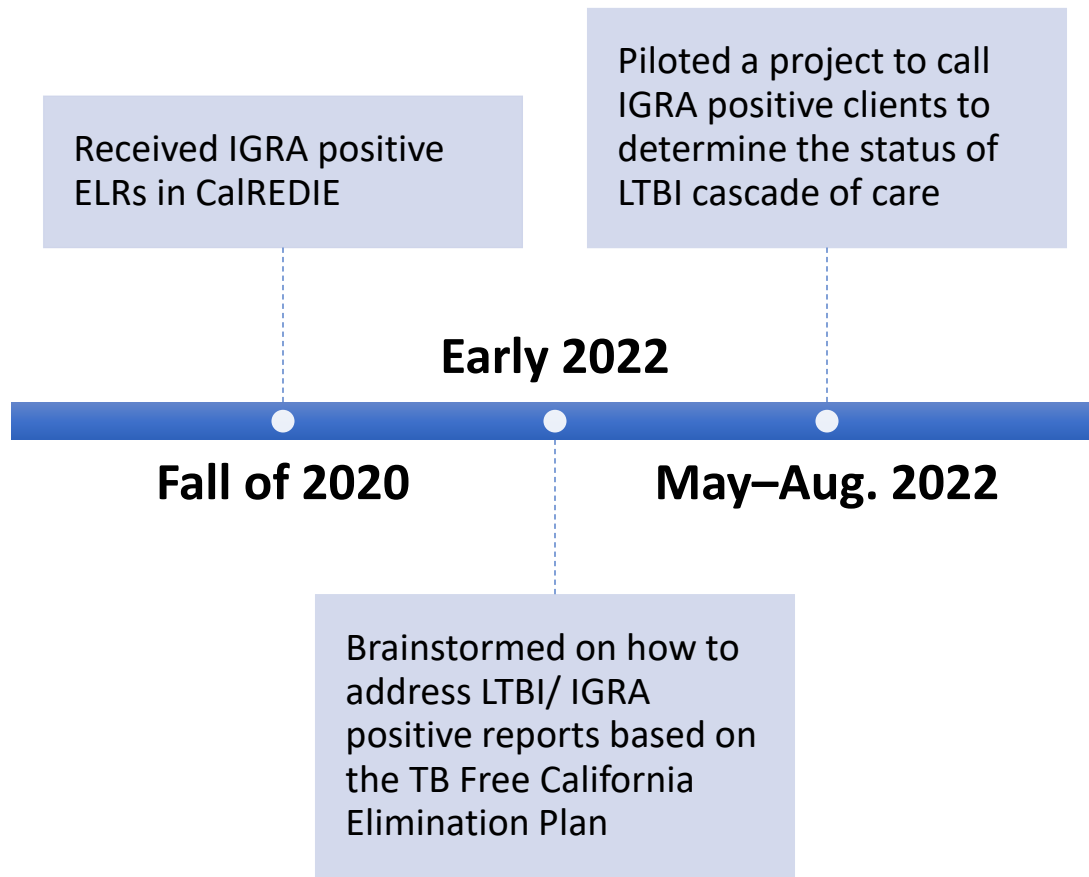
- CalREDIE Electronic Lab Reports - IGRA Positive Reports
- PHS Outreach Data

Overview of TB in San Joaquin County

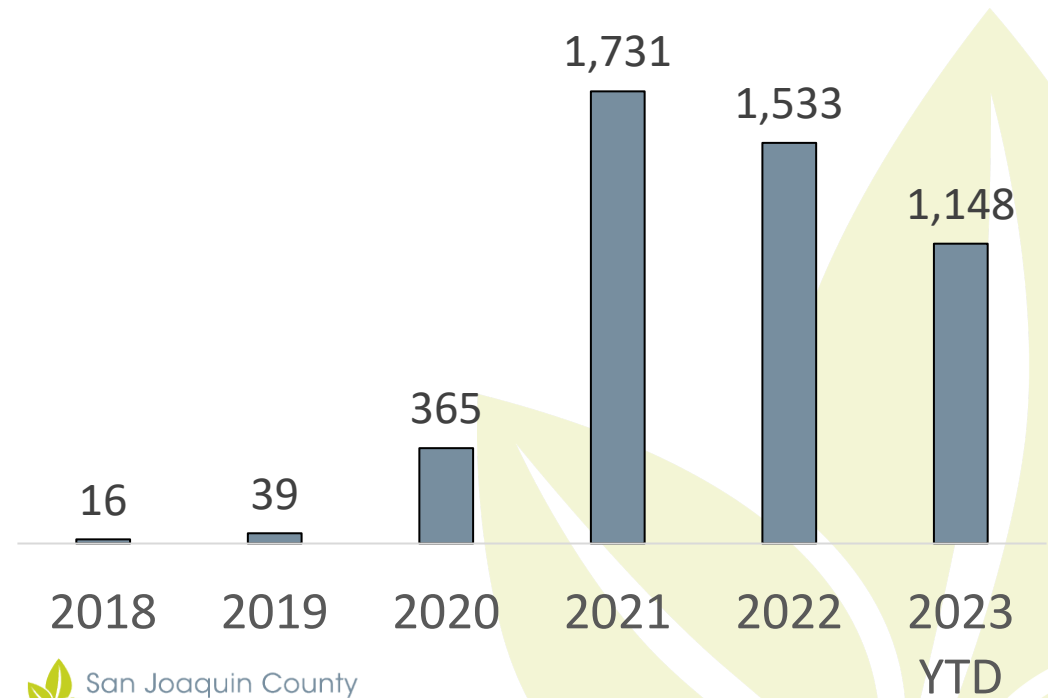


- History of large, concurrent, multi-year TB outbreaks
- SJC has a population of 789,410 with an estimated 49,000 people infected with TB
- In 2022, lowest number of cases (33) on record
 - Range from 40 – 60 annually

IGRA Positive Pilot Project



TB (IGRA) - Positive Electronic Lab Reports

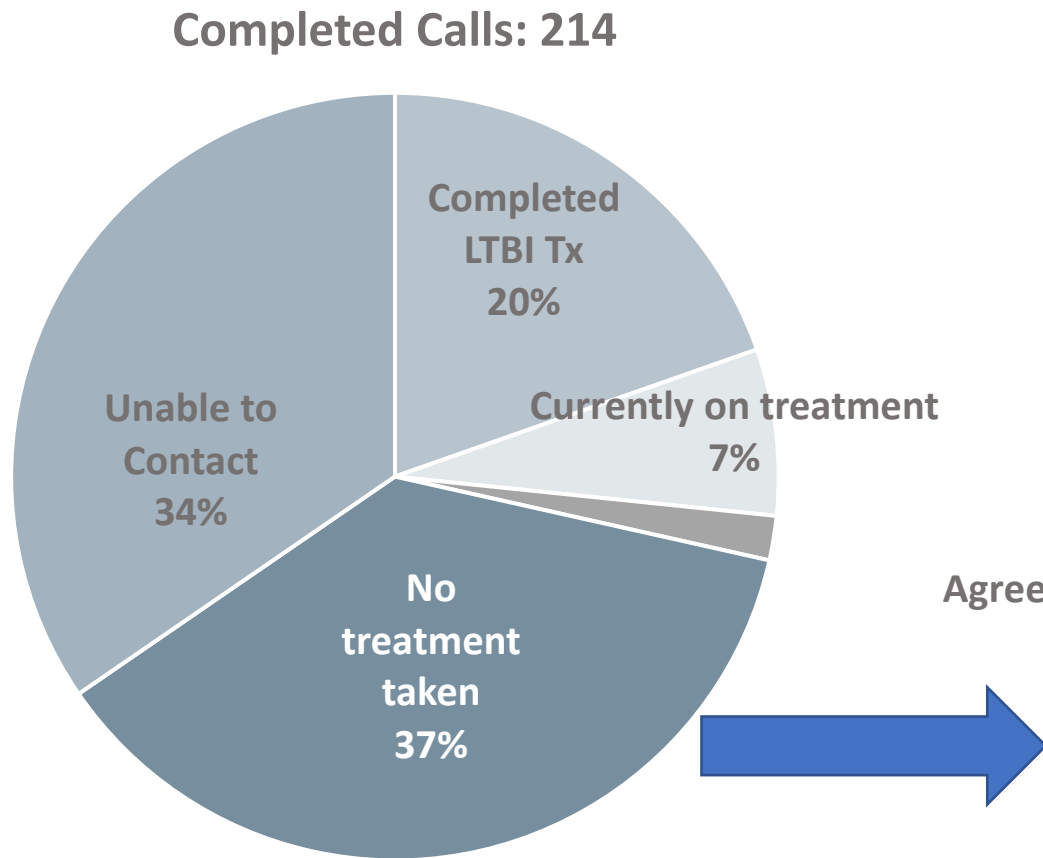


Pilot- Outreach Data Collection Form

May 2022, Public Health Nurses and Communicable Disease Investigators began making calls.

		Current Status						PHN/CDI Interventions			Outcome			
Name	DOB	Completed LTBI Tx	Currently on treatment	Started tx but did not complete	Prescribed tx, but did not start	Tx never prescribed	LTFU (2 phone calls and letter)	Offered client education on LTBI	Referred client to Bret Harte	Referred client to other Provider	Declined follow up	Agrees to f/u with PCP	Agrees to f/u with Bret Harte	Comments
Sample Patient					X			X	X				X	

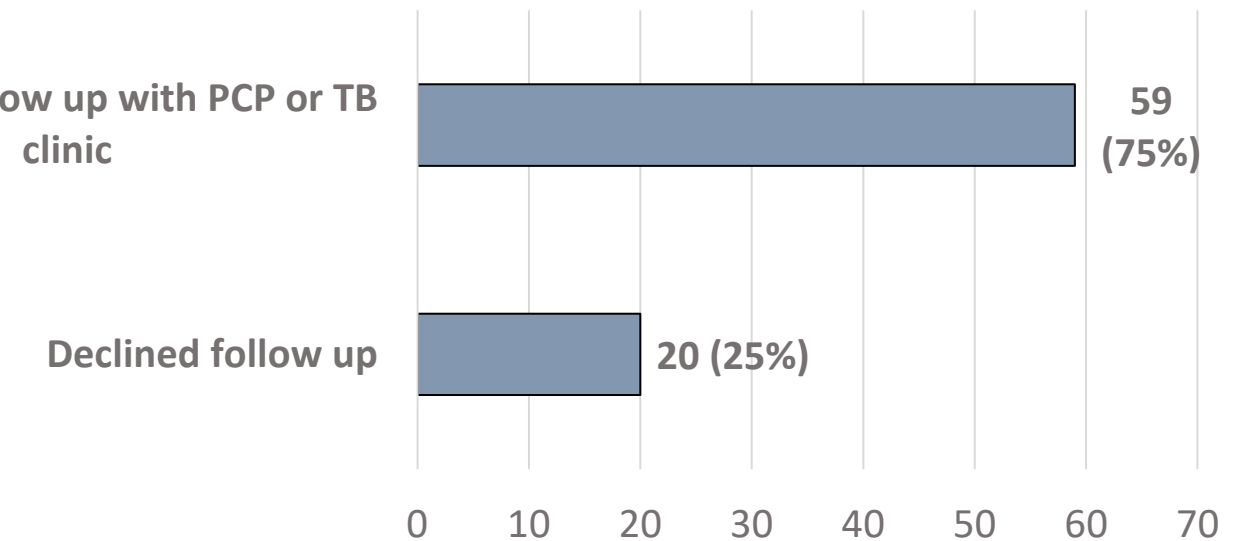
Outcome of 3-month Pilot



PHN/CDI Provided Patient Education on TB/LTBI to clients who did not take treatment



Outcome



Findings from Pilot



Gaps in the cascade of care for IGRA positive individuals



Gaps in access to health care data



Need to increase engagement with providers and high-risk communities



Client outreach and education can encourage follow up and treatment



Intervention by LHD could be a meaningful effort under TB control

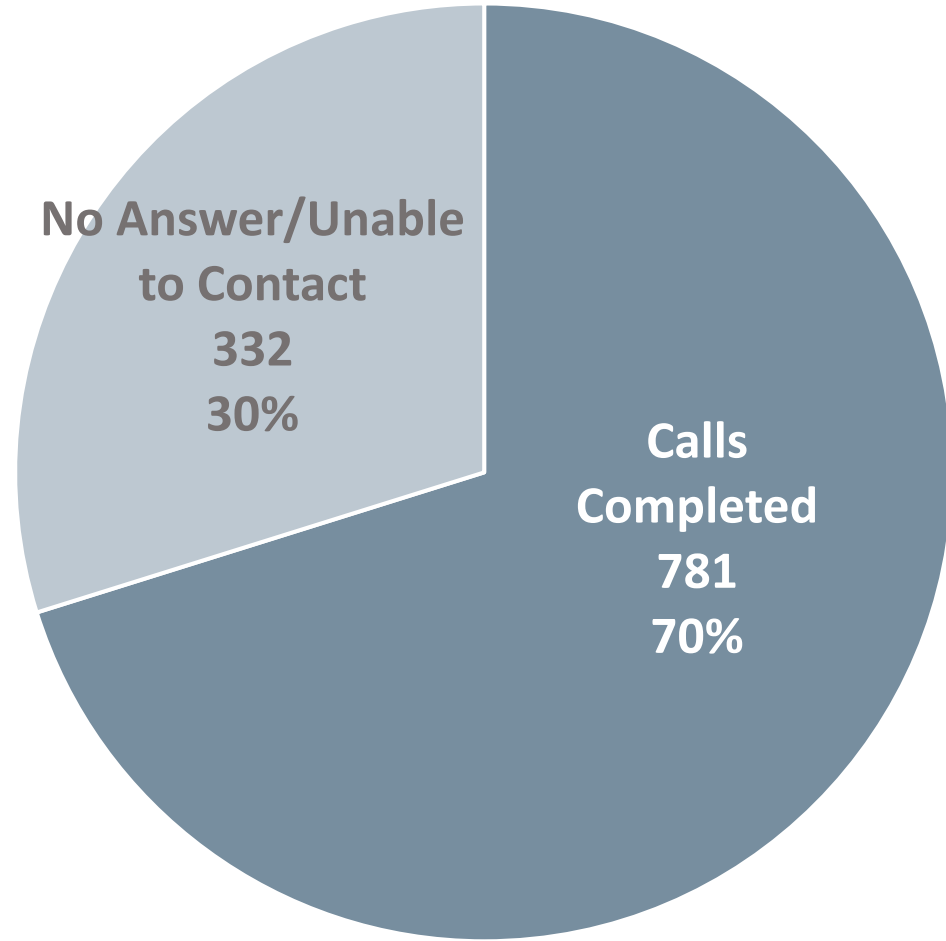
IGRA Outreach Program

Data Collection Form

On 8/25/22, a new form in local data platform went live.

- Current status
- Outcome of call
- Risk factors
- Reason for testing
- Notification of results
- CXR
- Treatment status

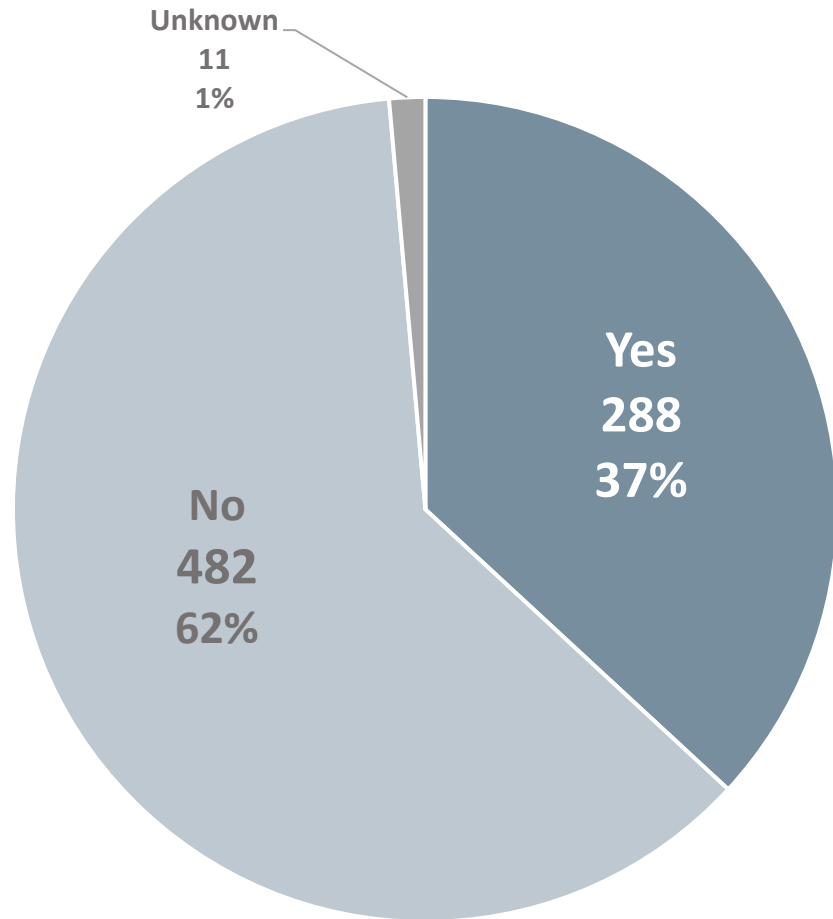
LTBI Outreach Project Outcomes



09/01/2022 to 08/31/2023

Total Calls Attempted: 1,113

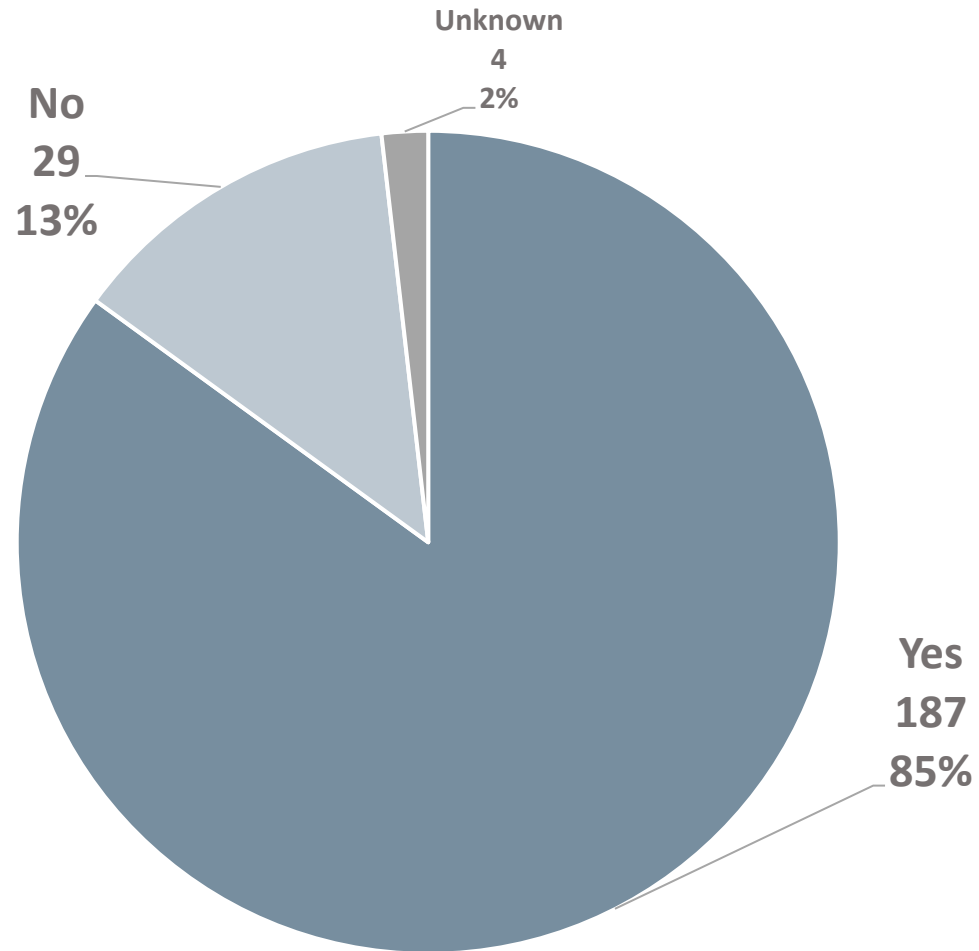
Was LTBI Treatment Started or Previously Treated?



Why was LTBI treatment not started?

	%	Count
Provider Decision/Not Recommended	83.6%	403
Other	5.8%	28
Refused	3.7%	18
Undecided	2.5%	12
Medical appointment pending	2.3%	11
Provider recommends additional testing	1.2%	6
Moved	0.4%	2
Hx Adverse Reaction	0.2%	1
Hx Active TB	0.2%	1
Total	100%	482

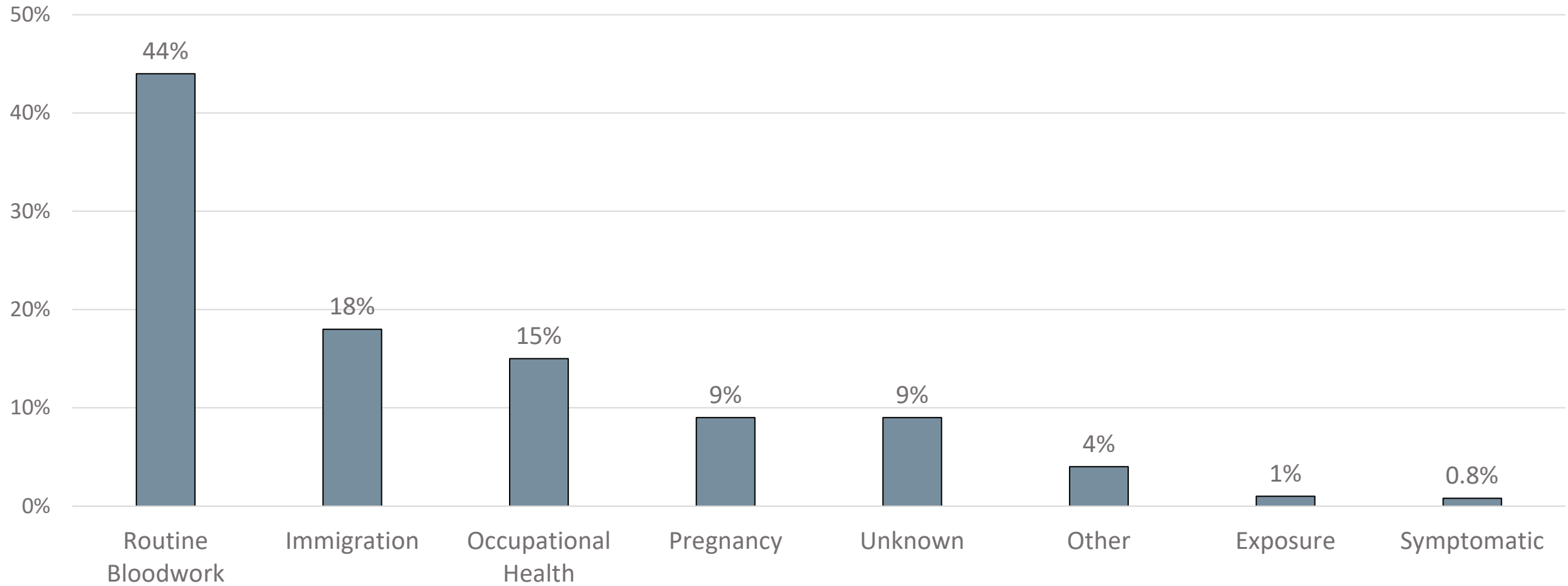
Was LTBI Treatment Completed?



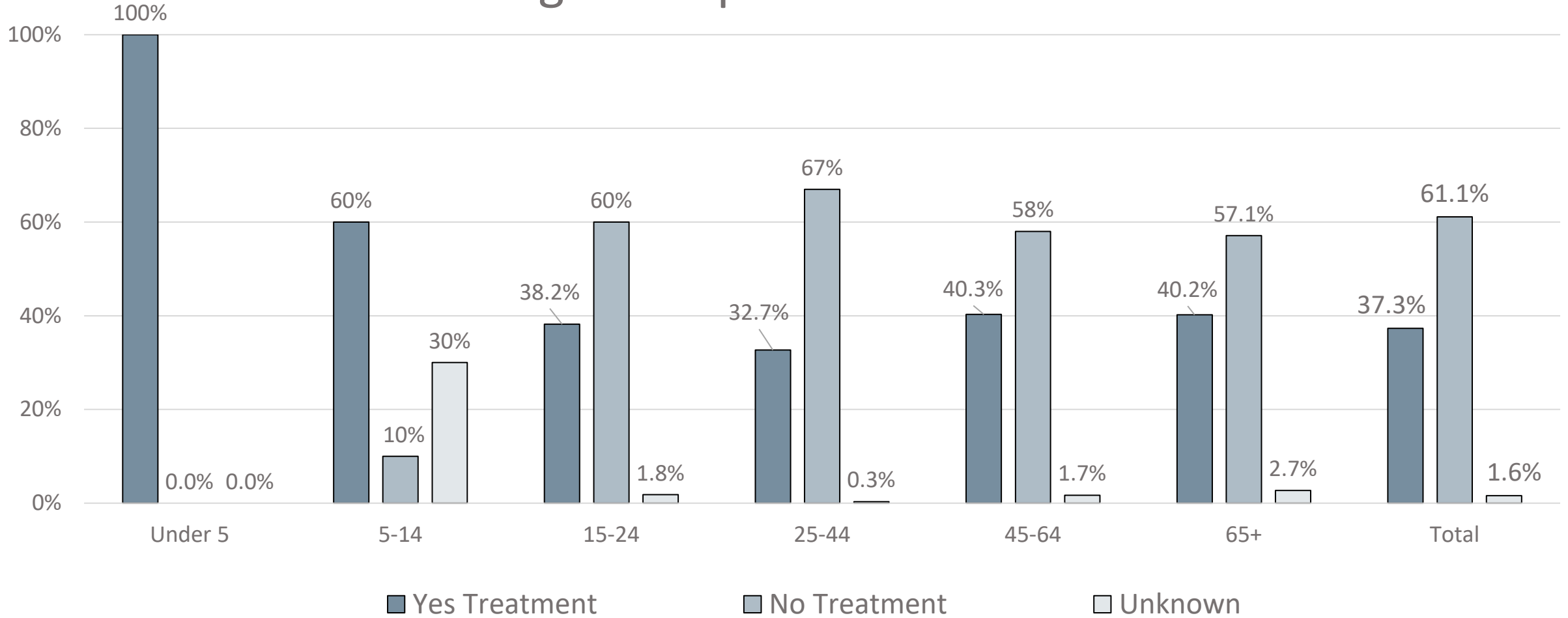
Why was LTBI Treatment not Completed?

	%	Count
Client chose to stop	44.8%	13
Other	24.1%	7
Adverse Reaction	17.2%	5
Provider Decision	6.9%	2
Moved	3.5%	1
Unknown/Not provided	3.5%	1
Total	100%	29

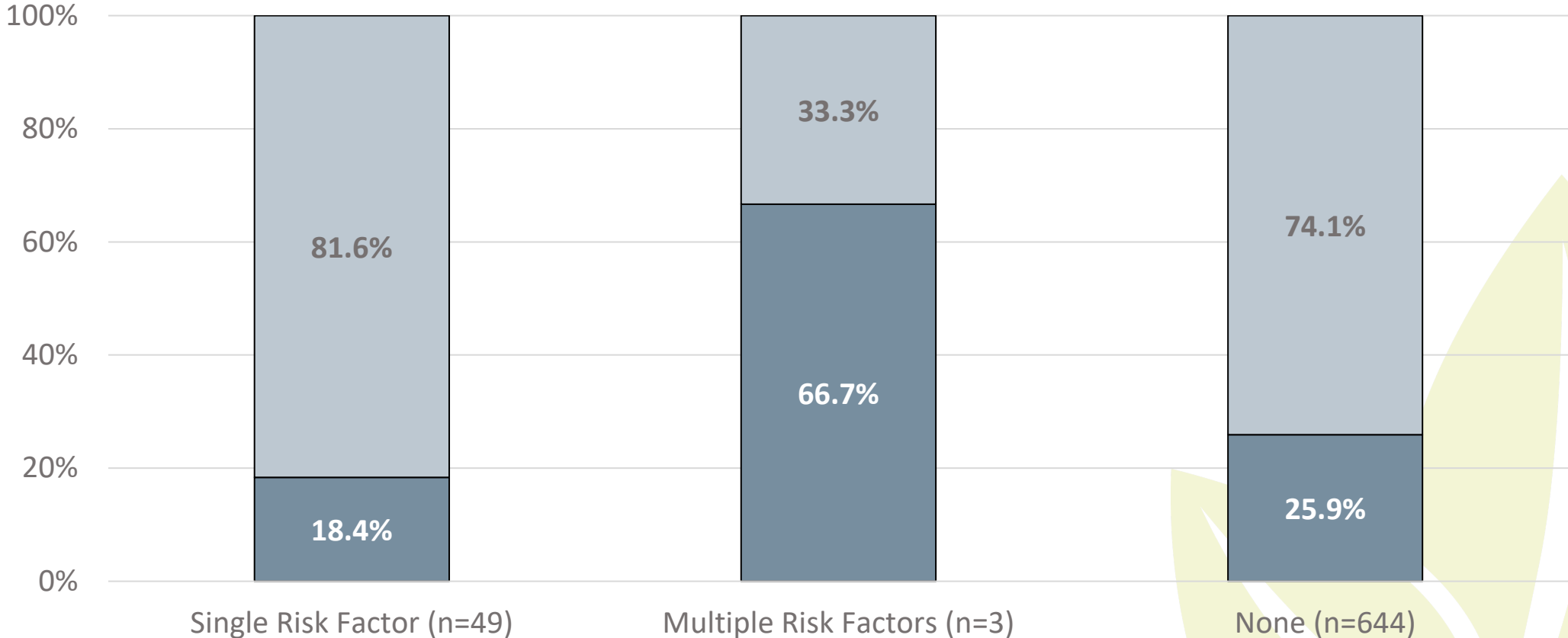
Reason for Testing (n=781)



Age Group vs Treatment



Risk Factors vs Treatment



■ Yes Treatment ■ No Treatment

Intervention: Provider Engagement



Identified top ten IGRA reporters not ordering treatment and offered support and education



In collaboration with TB Free California and Dr.Katrak, we provided CME for local providers



Toolkits were distributed to Civil Surgeon offices in the County

Next Steps



Establish SJ County TB Elimination Plan



Expand targeted testing and treatment of people with TB infection- key to eliminating active TB - establish weekly testing at homeless shelters



Establish regular engagement with private community providers, FQHCs, and Civil Surgeons



Follow up with high-risk IGRA positive clients to ensure they have received treatment

Acknowledgement

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- Arpinder Singh, Epidemiologist
- Denise Amarillas, Communicable Disease Investigator
- Rowena Durago, Communicable Disease Investigator

SJC TB Control Team

