TB-Free Chuuk Data in Action



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74th Executive Board Meeting

Honolulu, HI

From community to care









After the clinic

- Follow-up for:
  - Possible TB Cases
  - LTBI Cases
  - Hansen’s Disease referrals





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- Follow-up for:
  - Possible TB Cases
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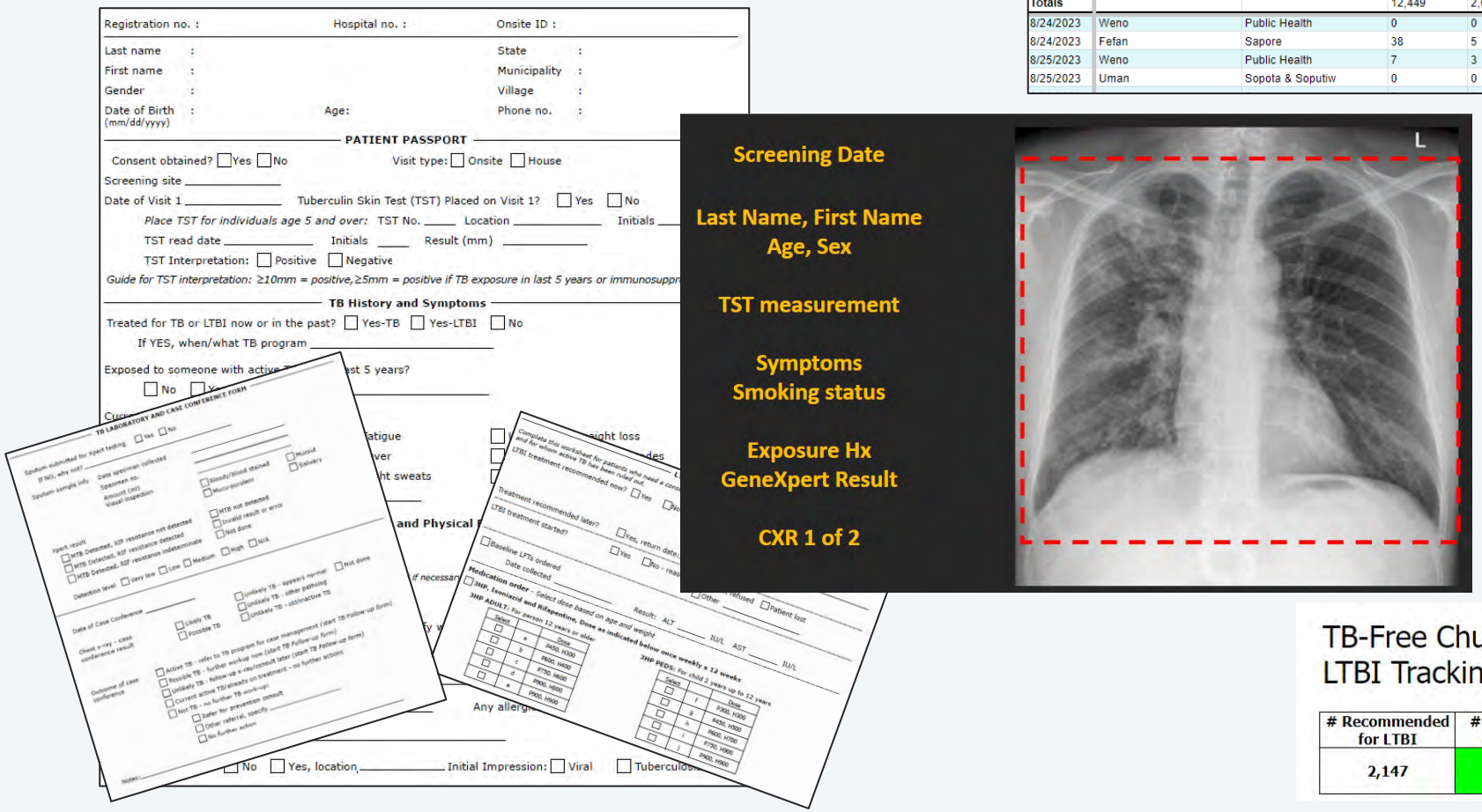
After the clinic

- Follow-up for:
  - Possible TB Cases
  - LTBI Cases
  - Hansen’s Disease referrals



Our approach

	Island	Site Name	Number of people screened	Number of LTBI initiated	Number referred for case conference	Number of sputum collected	Number of walk-ins with TST placed	Number of CXR performed	Number of Hansen's referred	Number of Hansen's prophy doses	Number of TSTs placed house-to-house	Total Number TSTs placed
Totals			12,449	2,028	399	326	3,006	3,985	124	7,668	10,507	13,513
8/24/2023	Weno	Public Health	0	0	0	0	1	0	0	0	0	1
8/24/2023	Fefan	Sapore	38	5	2	2	0	9	1	27	0	0
8/25/2023	Weno	Public Health	7	3	0	0	10	3	0	4	0	10
8/25/2023	Uman	Sopota & Soputiw	0	0	0	0	0	0	0	0	102	102



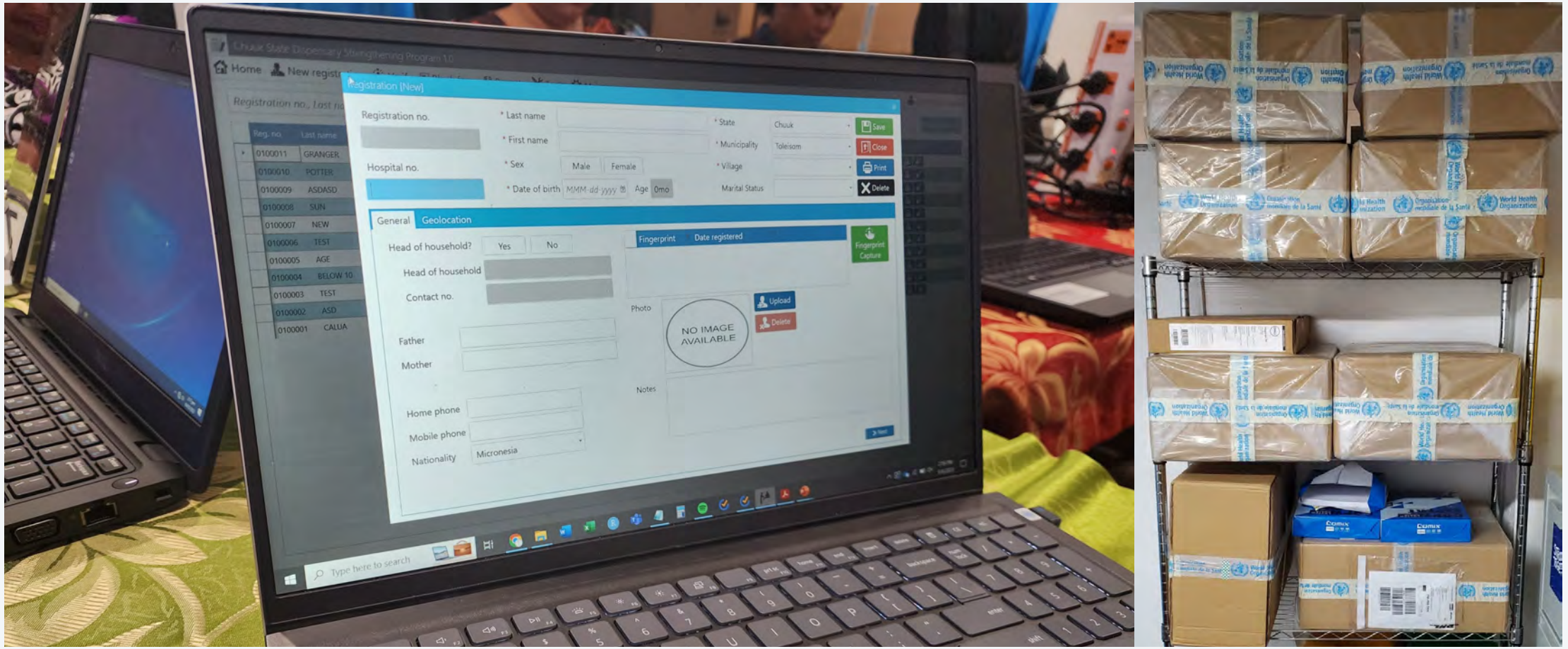
As of:	10/11/2023						
	Patient count						
	Age 0-4	Age 5-9	Age 10-19	Age 20-39	Age 40-59	Age 60+	Grand Total
Number registered	1500	2092	3834	3759	2969	1023	15288
Number screened at clinic	981	1838	3098	2840	2478	884	12194
Active TB referred for treatment	22	27	21	30	43	33	176
Diagnosed with LTBI	10	68	280	615	837	335	2170
Number recommended for LTBI tx	10	67	280	608	824	334	2144
Number started on LTBI tx	9	60	269	584	787	323	2053
Number referred for HD evaluation	11	18	47	38	28	14	157
HD prevention given	53	1520	2490	1915	1488	457	7969
Number diabetes (A1c >= 6.5 or known diabetes)	3	1	7	157	565	294	1035
New diagnosis of diabetes	1	0	4	85	222	85	399

TB-Free Chuuk
LTBI Tracking Report

As of: 03/27/2024

# Recommended for LTBI	# Currently on Treatment	# Completed Treatment	# Stopped Treatment	# Need to Restart	# Not Started
2,147	7	1,589	368	134	41

System foundation



In practice







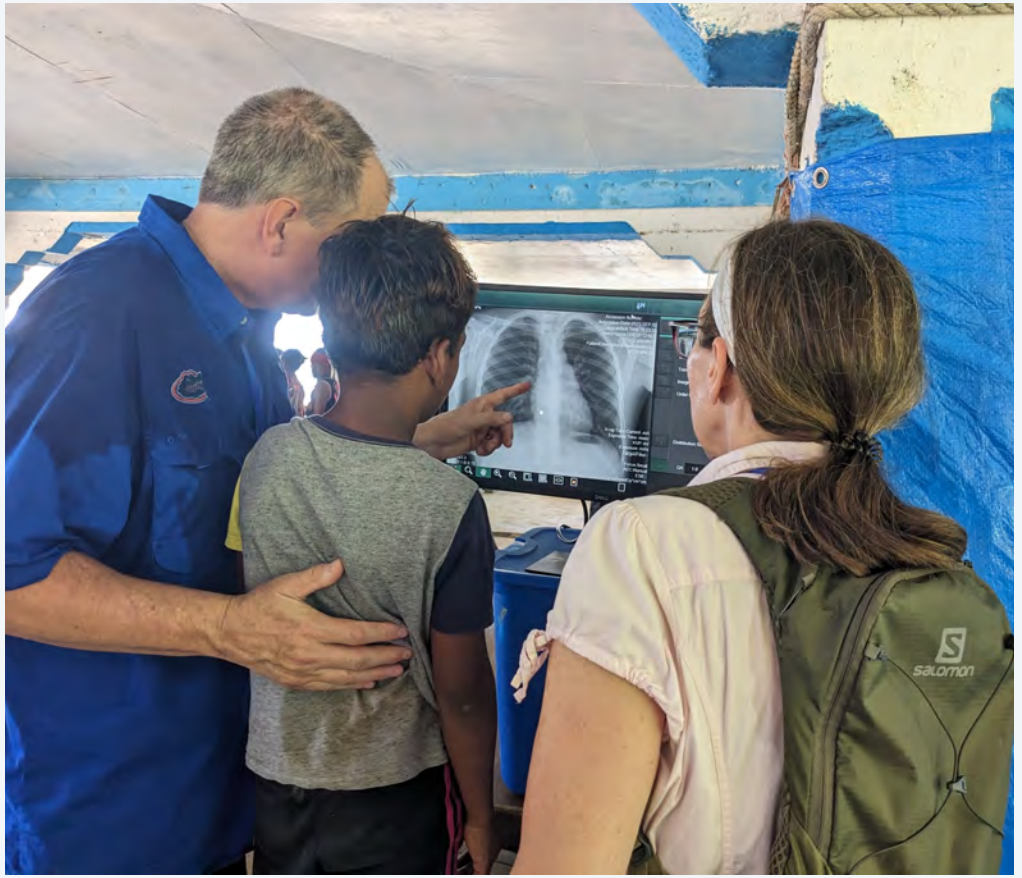
Hurdles

- Paper forms
- Database quirks
- X-ray collection
- LTBI continuity



Outcomes

- Real-time screening information
- Same-day clinic and field reporting
- LTBI DPOT monitoring
- TB program follow-up integration



By the numbers

Screened in Clinic	
12,320 people	
TB Treatment	***Rate per 100k***
178	541.0

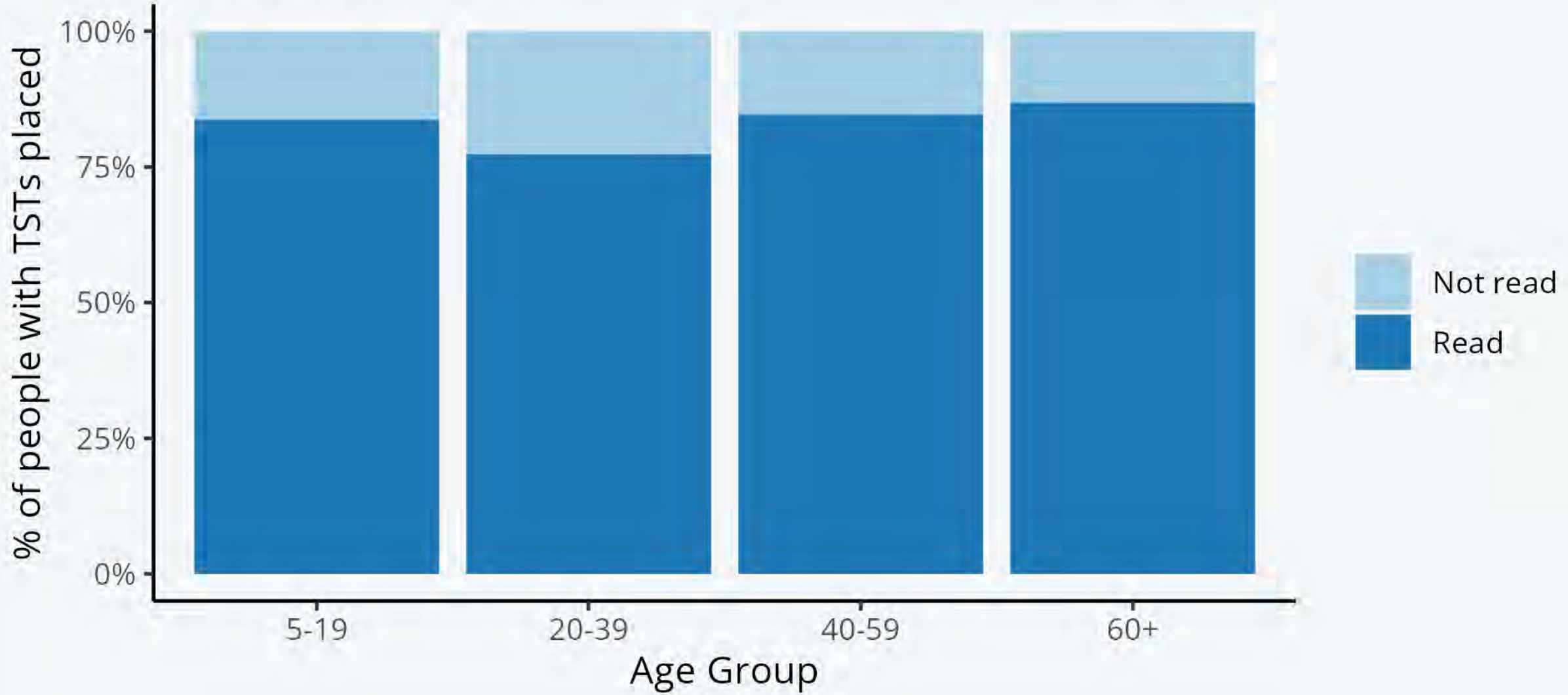
Has LTBI	***% of screened***	**Completed LTBI tx**	***% of LTBI cases***
2,143	17%	1,589	74%
New HD cases	***Rate per 100k***	**Received HD Prevention**	
20	60.8	7,970	
Has Diabetes*	***% of screened (18+)***	**New Diabetes cases**	
1,038	13%	395	

Who did we screen? (n=12,320)

	n	%
Age (years) – Median (IQR)	20 (10–42)	
Sex		
Female	6,713	54.5
Male	5,607	45.5
Prior TB	261	2.1
Known TB exposure	1,358	11.0
At least one TB symptom	1,162	9.4
Abnormal chest x-ray	290	2.4

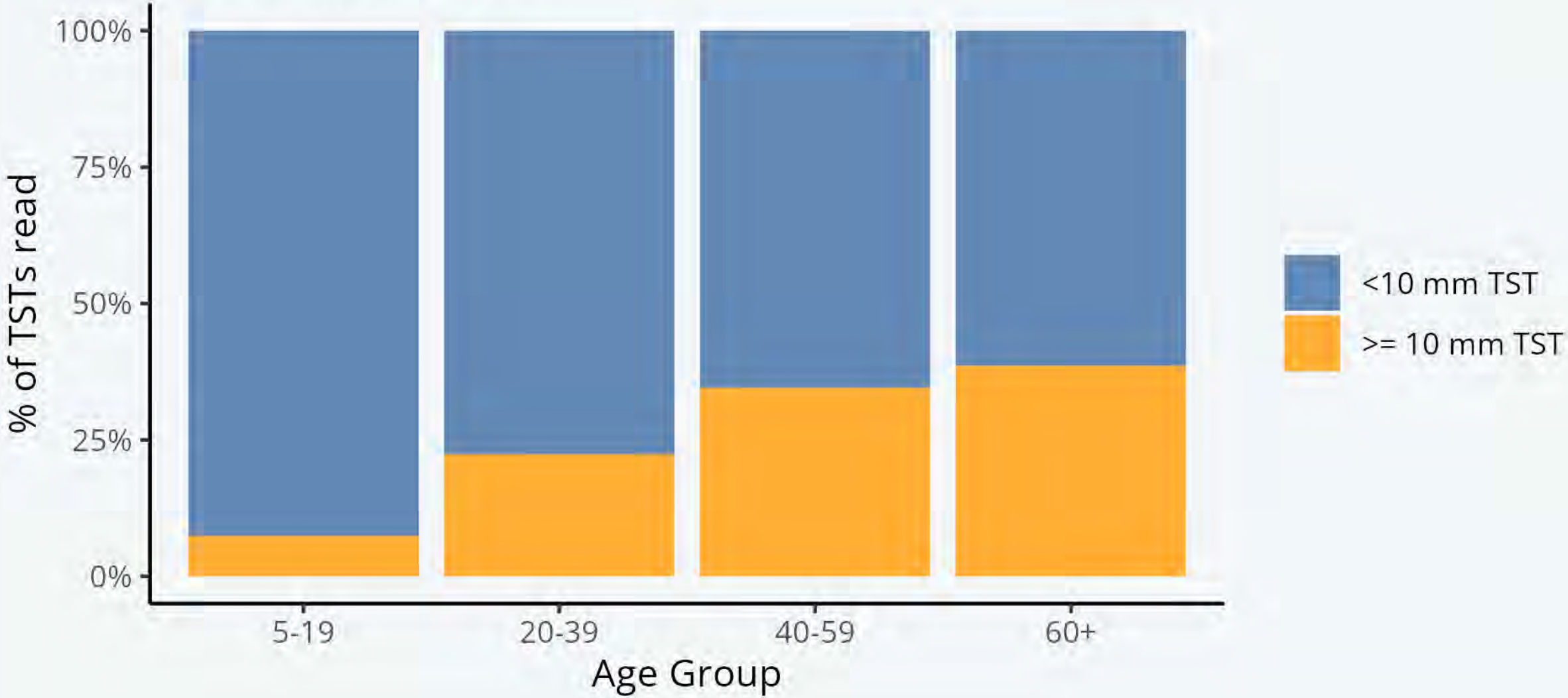
People with TSTs placed by screening status and age group

TB-Free Chuuk 2023

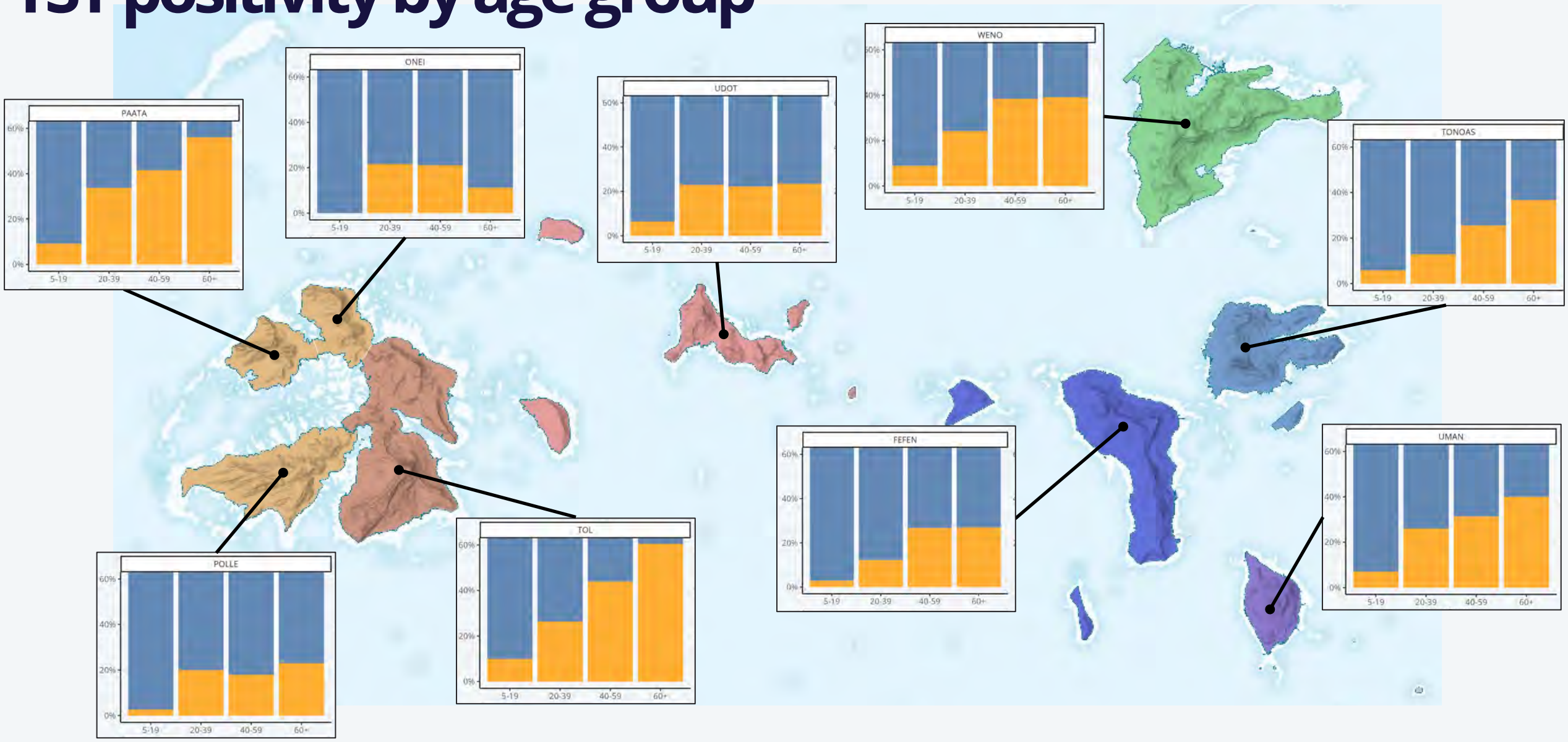


TST positivity by age for patients 5 and older

TB-Free Chuuk 2023



TST positivity by age group



TB case finding

- **Aggressive approach**: 178 new cases
  - 41.6% reported exposure to a known TB case
    - Almost all household members
  - 12 were laboratory confirmed (Xpert/Culture)

LTBI management in context

Persons diagnosed with LTBI by treatment regimen status

	14 US Programs* (CA, LA, SD, FL, GA, MA, NM, NY, NYC, NC, OH, VA, WA)	TB-Free Chuuk 2023
Latent TB Infection	3,394	
Started Treatment	1,173	
Completed Treatment	977	
% Completed Treatment	28.8%	

* Data from targeted testing projects among persons who are members of social/demographic groups with high prevalence of TB infection or transmission rate

Action on Hansen's Disease

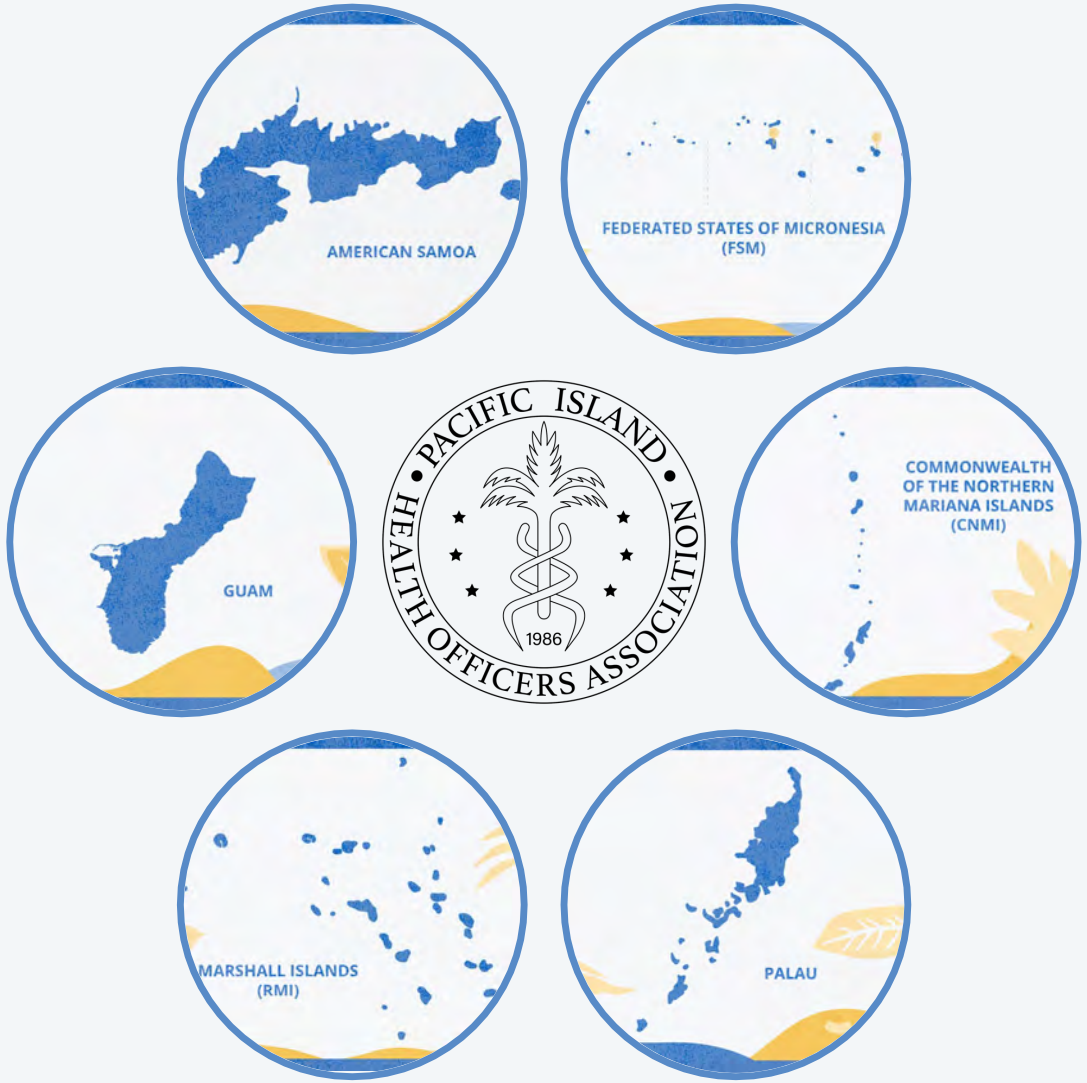
- **Over 10,000 people received HD prevention**
  - 7,970 single dose at the clinic
  - 2,085 3HP first dose
- **156 referrals** to HD Program → 20 new cases

What it truly takes: A-team









THANK YOU

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Based in Honolulu, HI