

NAVIGATING LATENT TB

A JOURNEY WITH THOUGHTS AND LINGERING QUESTIONS

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April 9th, 2024 10:30am



WISCONSIN TB SUMMIT



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NOVEMBER 15, 2021

Every journey needs a map...



WELL-EQUIPPED FOR JOURNEY

- Medical Laboratory Scientist
- RN, BSN
- Access to healthcare
- Insurance (to an extent)
- Capable of navigating systems
- Reliable transportation
- Otherwise healthy

THE FIVE A'S OF ACCESS

(PENCHANSKY AND THOMAS ,1981)

Availability



Accessibility

Accommodation

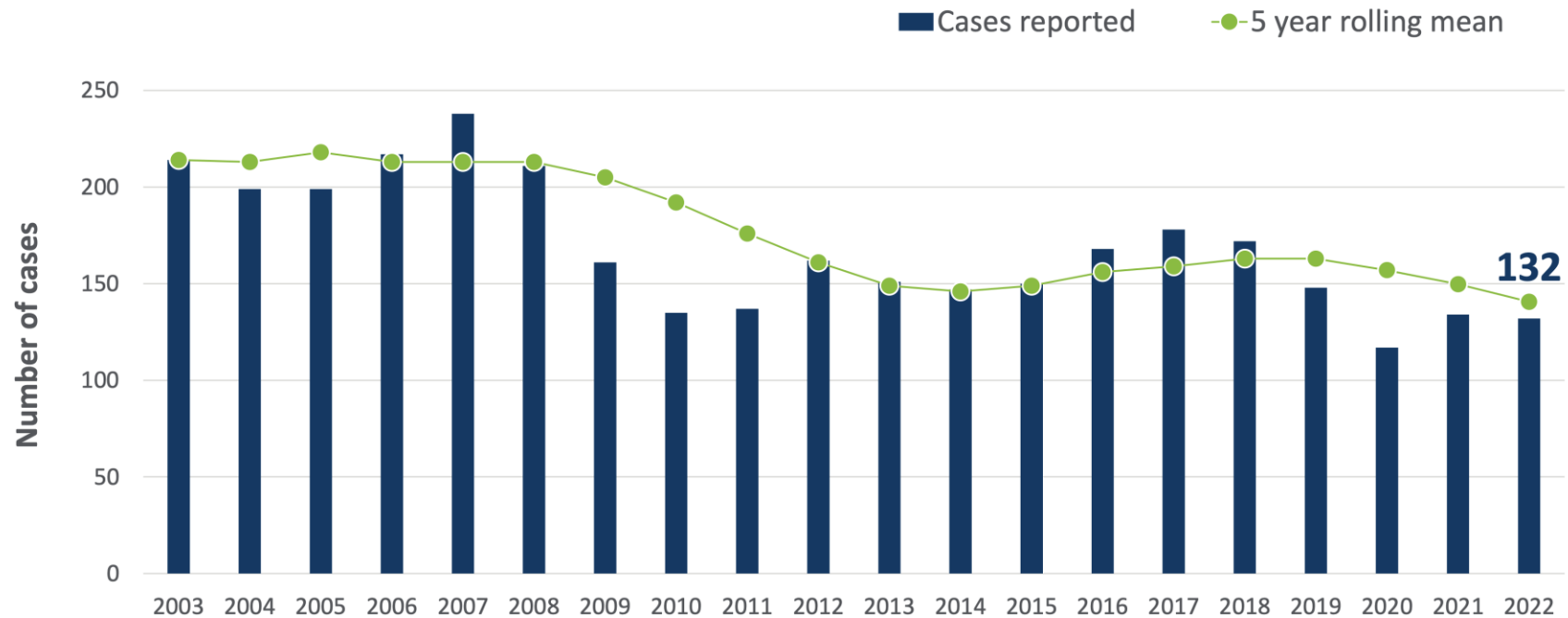
Affordability

Acceptability

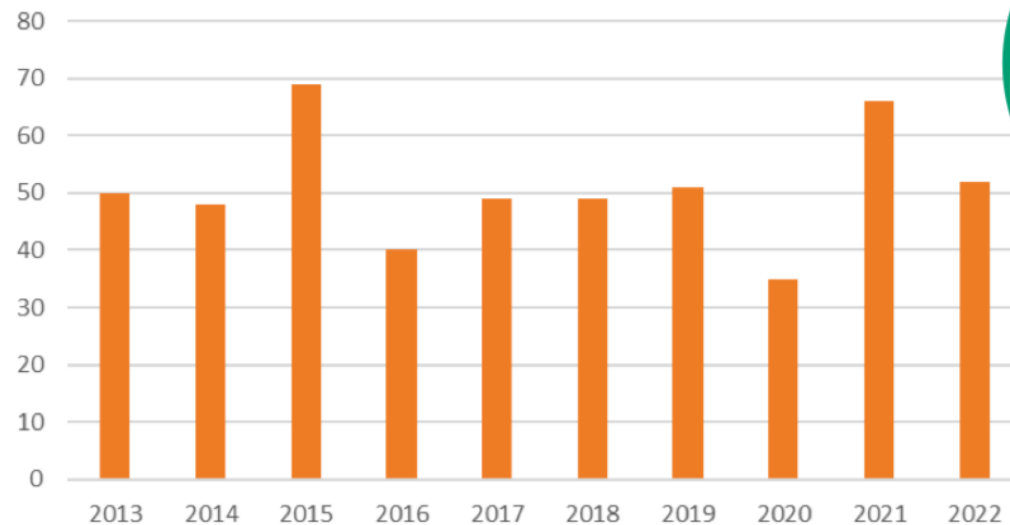
REALLY? ME? IN MINNESOTA?

Nov 15, 2021 3:37 pm	TB Test (T-Spot)	Positive 	SeeBelow	Abnormal
Nov 15, 2021 3:37 pm	TB Test Nil Control (T-Spot)	Passed		
Nov 15, 2021 3:37 pm	TB Test Panel A (T-Spot)	2		
Nov 15, 2021 3:37 pm	TB Test Panel B (T-Spot)	15		
Nov 15, 2021 3:37 pm	TB Test Positive Control (T-Spot)	Passed 		

Active TB Cases Reported Annually Minnesota, 2003-2022



Tuberculosis Cases, Wisconsin 2013-2022



52
cases of
tuberculosis were
reported in
Wisconsin in 2022



Case average

Wisconsin has had an average of 51 TB cases per year during the past 10 years.



Multi-drug resistance

Wisconsin's rate of multi-drug resistant TB is one of the highest in the U.S. Wisconsin treated 16 patients with MDR-TB in the past 10 years.



Deaths

In 2022, 5 people died from TB or complications of the disease.

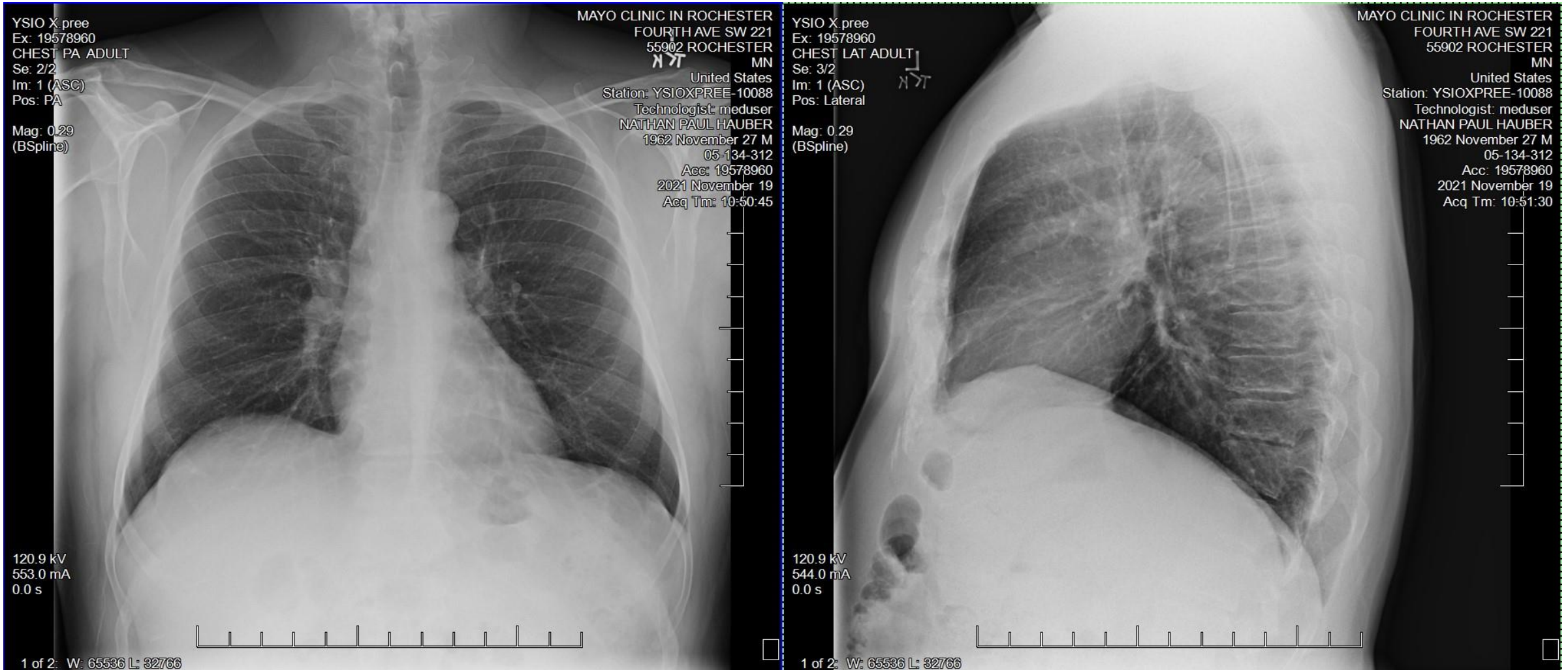


NOW WHAT?



NOVEMBER 19, 2021

PHEW!





Map of LTBI Reporting Laws, by State



<https://www.cdc.gov/tb/publications/ltbi/lbiresources.htm>



DECEMBER 4, 2021

Healthcare coverage in transition



Public Health[®]
Prevent. Promote. Protect.



JANUARY 5, 2022

Finally, establish care with new provider, got referral to Infectious Disease in Duluth and...

JANUARY 14, 2022

Treatment last!



- My reasons in deciding to be treated- fear of progression w/asthma trtmnt or later in life, fear of becoming complicated- drug interactions
- Choice of regimen: Fear of Isoniazid side effects
- The excitement was misplaced and wore off quickly
- Only 8-day supply from Walmart and more was not readily available
- The fascination and novelty of red pee wore off quickly



AT WEEK TWO...



And then the profound depression
and despondency...



...WEEK FOUR

02/17/2022 3:43 pm

18.7 ng/mL L



Comment:

Interpretation:

Deficiency: <20 ng/mL

Insufficiency: 20-30 ng/mL

Optimum Level: 30-80 ng/mL

Toxicity: >100 ng/mL

THE CHALLENGES ADD UP

THE SHIP'S
LADDER STAIRS





THE "DEXTER" SHOWER



APRIL 12, 2022

Things are looking up....

25-Hydroxy Vitamin D Total

Results

Download

04/12/2022 8:36 am

44.4 ng/mL



Comment:

Interpretation:

Deficiency: <20 ng/mL

Insufficiency: 20-30 ng/mL

Optimum Level: 30-80 ng/mL

Toxicity: >100 ng/mL



APRIL 22, 2022

...but after 11 weeks, bone healing is glacially slow.





MAY 13, 2021

One of the most triumphant days of my life-

NO MORE RIFAMPIN!

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Accommodation

Affordability

Acceptability

QUESTIONS AND THOUGHTS

- As a patient and nurse, I was surprised by the lack of concern or response to my LTBI. If most cases of active Tb come from LTBI, why isn't LTBI reportable in all states?
- What do far less advantaged people do?
- Given the length and potential difficulty of the treatment regimen, I think it would take a substantial relationship (substantial credibility, trust, cultural understanding, etc), great patient education, and generous resources (to lower barriers and incentivize) to successfully treat Tb.
- What's their "why"? Family? Community? Self?
- Focus on the end goal and plan the achievement celebration!

THE FUTURE HAVING HAD TREATMENT FOR TB

- As a PHN, I think I would personally approach a Tb case with great caution as I'd rather not have to experience the treatment again
- I am happy to share my experience for the benefit of other patients
- What this means for my own health moving forward and across my lifespan

QUESTIONS & ANSWERS



SESSION EVALUATION

Please complete the session evaluation using the QR Code or link below.

We appreciate your feedback!

Add QR code and link here for the
corresponding session date