



Addressing LTBI Testing and Treatment in Orange County, California: Training Health Care Providers at a Local Health Center



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BACKGROUND

- In 2017, 89% of the tuberculosis (TB) cases in Orange County were among non-U.S.-born individuals, of whom 42% were born in Vietnam.
- A key strategy to eliminate TB is to increase latent TB infection (LTBI) testing and treatment of non-U.S.-born populations.

OBJECTIVES

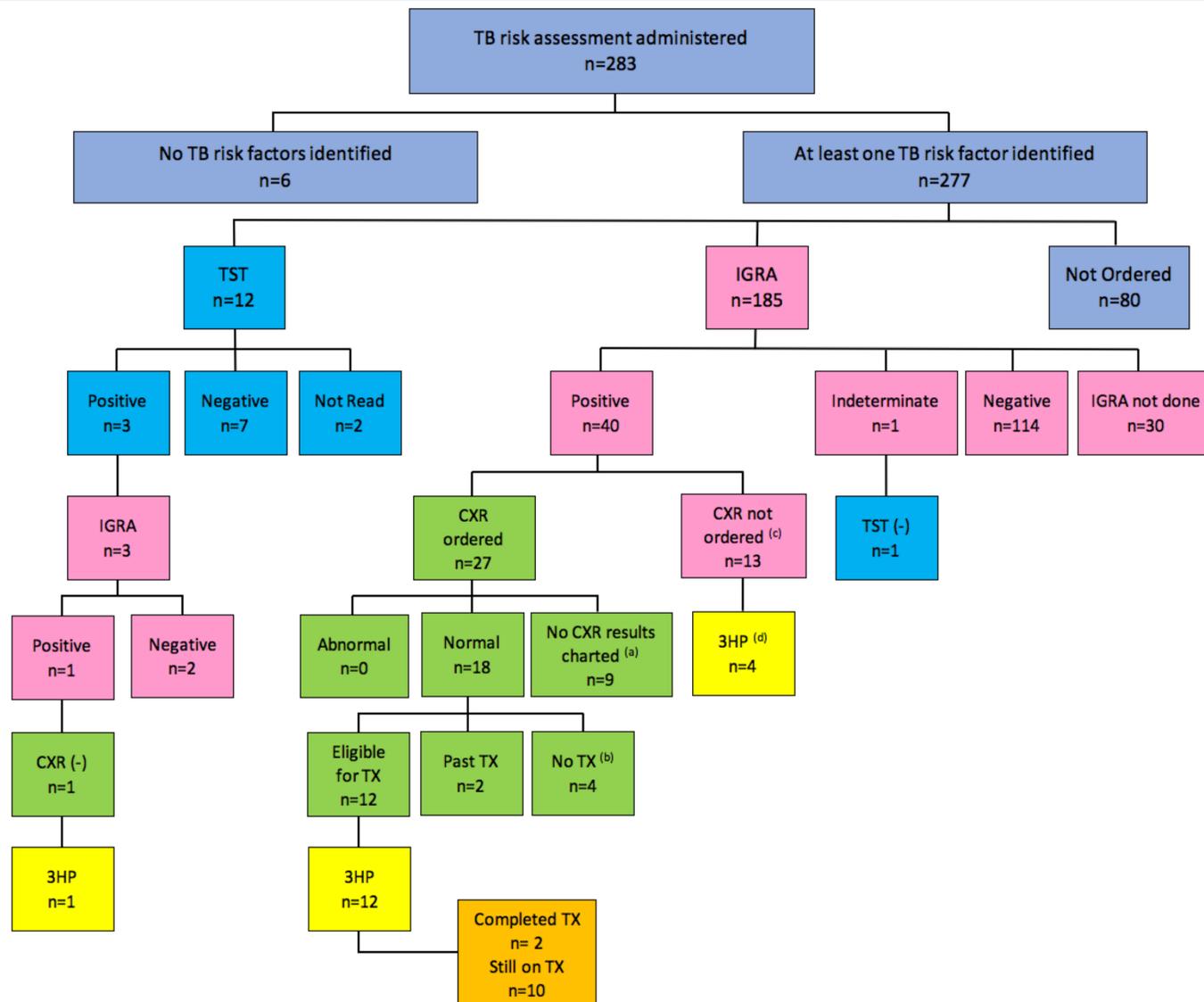
- To identify current practices related to LTBI screening and treatment at a Federally Qualified Health Center (FQHC) serving primarily non-U.S.-born Vietnamese patients.
- To train medical providers on current recommendations for LTBI screening and treatment.

METHODS

- Chart abstraction was conducted for patients who had a TB test in 2017.
- Data were entered into REDCap and analyzed using SAS software.
- Training for all clinic providers was completed in October-November, 2018.
- Chart abstraction was conducted post training from November 2018 to February 2019.

RESULTS

Post LTBI Training: Assessment and Treatment Activities



(-) Negative result.

(a) Four patients had 3HP regimen and CXR ordered on the same day with no CXR results in their chart as of 4/5/19. Four more patients are waiting for CXR results before treatment initiation. One patient has a history of LTBI treatment awaiting CXR result.

(b) Patients have not returned for follow-up appointment.

(c) Thirteen patients did not have CXR ordered. Of the 13, 1 patient had 9 months of INH regimen completed, 1 patient was referred to a pulmonologist for LTBI treatment, 2 patients have a history of LTBI treatment with no CXR result, and 5 patients have not returned for follow-up appointment.

(d) Four patients were started on 3HP regimen without CXR order. Of the four patients, two had CXR completed in 2018, 1 patient was started on 3HP treatment without a CXR ordered and 1 patient was started on 3HP treatment because of unknown treatment history.

Data was collected from 11/12/2018 – 2/28/2019 (about 15 weeks)

Data last updated: 4/5/2019

RESULTS CONTINUED

- In 2017, 270 tuberculin skin tests (TST) and 6 interferon-gamma release assay (IGRA) were ordered by health care providers. At least 177 (66%) of the tests administered were due to patients' request, work or school.
- After the LTBI training, preliminary data from November 2018 to February 2019 indicated the number of IGRAs increased to 185.

CONCLUSION

- With training and support from the County of Orange Health Care Agency and the TB Free California initiative, preliminary results show the number of TB risk assessments, LTBI screenings and treatment increased among the non-U.S.-born patients seen at this clinic. This change is encouraging and clinic providers are more in compliance with current recommendations.
- Barriers to screening and treatment for LTBI should routinely be assessed and addressed to ensure continued testing in high-risk populations.

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