

Improving Latent Tuberculosis Infection Management in a University Student Health Clinic

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Introduction

- Tuberculosis (TB) often results from reactivation in high-risk groups, highlighting the importance of latent TB infection (LTBI) screening and treatment, especially among non-US-born university students
- Low treatment completion rates at our student health clinic prompted this study to find ways to improve LTBI outcomes

Methods

Phase 1: Retrospective chart review for the period January 2018 through December 2023

Population: students with a diagnosis of LTBI

Measures: demographics, treatment initiation, counseling, follow-up, and treatment outcomes

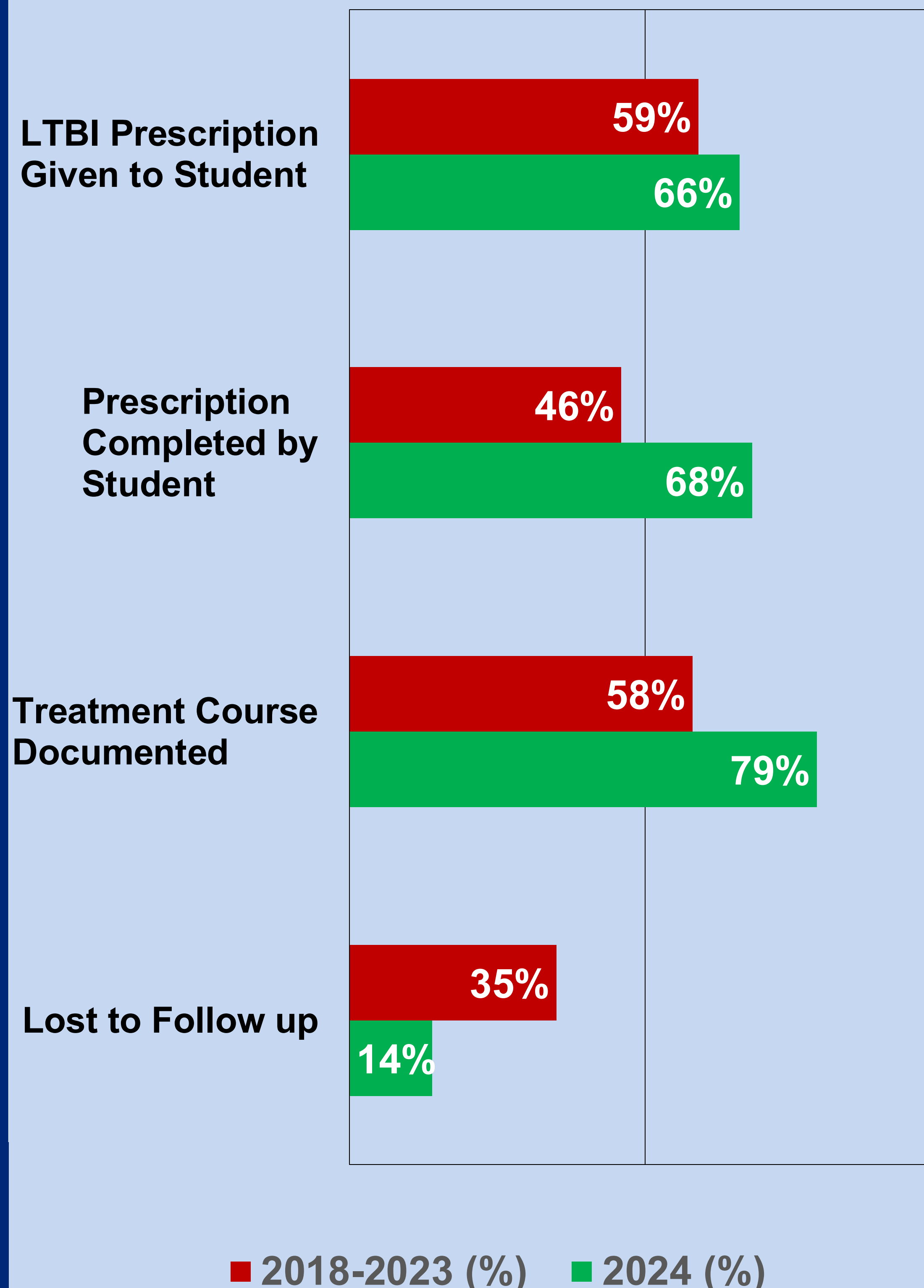
Intervention: In 2024, we implemented improvements based on study findings:

- Provider education on need for close follow up
- Shorter treatment options
- Patient education on treatment importance
- Documentation of treatment completion

Phase 2: Retrospective chart review for the period January -- December 2024

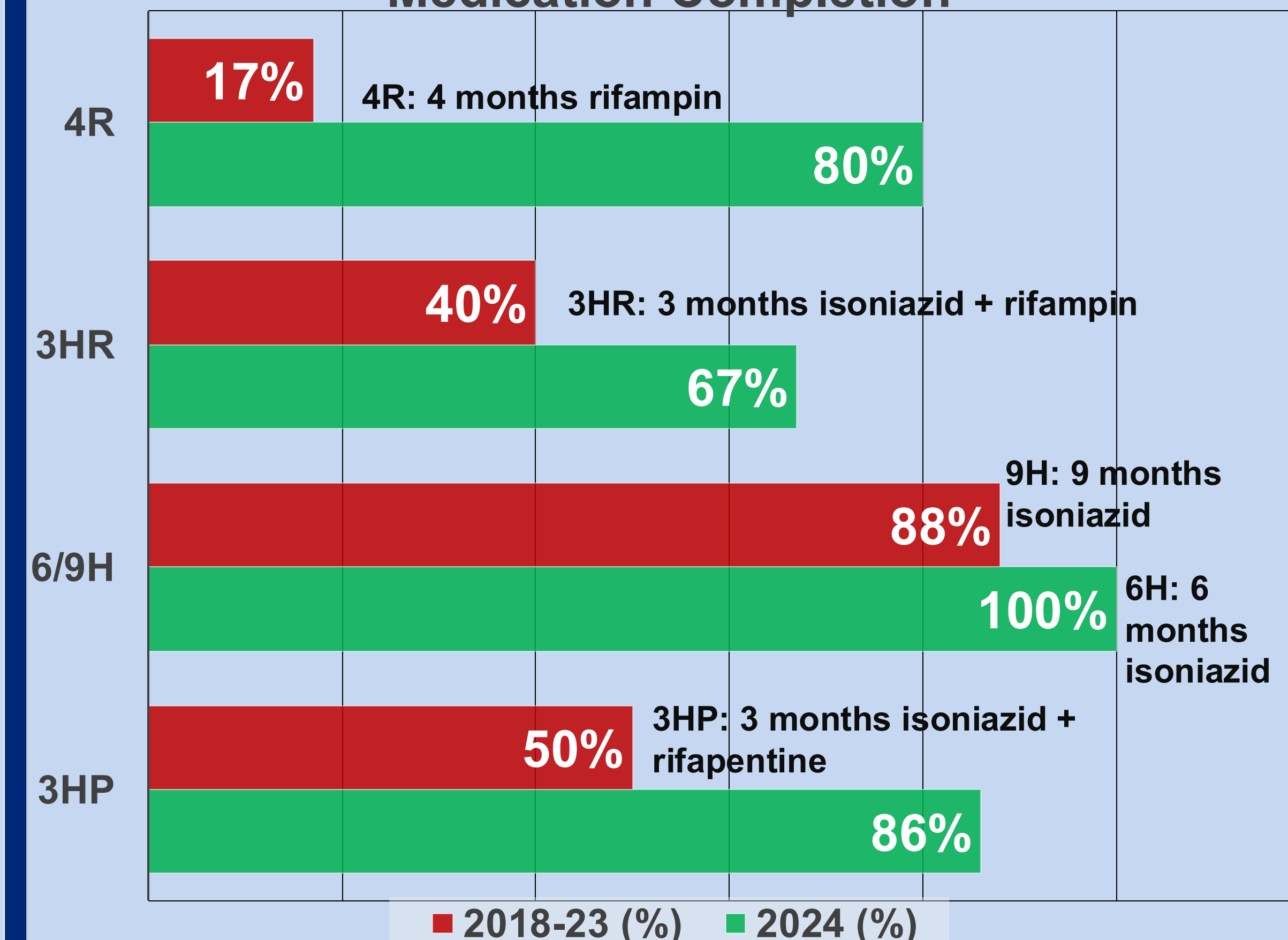
Results

Improvements in LTBI Treatment 2018--2023 vs 2024



Results

Medication Completion



Summary and Conclusions

- We identified actionable documentation and follow-up needs
- We implemented provider education, patient education, and improved record keeping
- In 2024, treatment completion and documentation increased and the number of students lost to follow up decreased