

# Facilitating Patient Communication of Reportable Adverse Reactions from Tuberculosis Drug Therapy: Tuberculosis Medication Side Effects Questionnaire

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# Overview of Project

- Tuberculosis (TB) is a disease which can lead to mortality and requires prompt and close monitoring of adverse drug reactions (ADR) during drug therapy (Prasad et al., 2019).
- Literature reveals that out of 552 active TB patients, 82.5% of patients undergoing TB drug therapy communicate at least one ADR in the first two months of therapy and 78.8% of patients communicate at least one ADR during the entire TB drug therapy period (Pereira et al., 2022).
- At the City Chest Clinic, onsite chart audits revealed that within a three-month period, only 40% of active TB patients seen during monthly clinic visits communicated at least one of ten priority adverse drug reactions in the toxicity screen checklist (TB205).
- Project goal: Utilize an evidence-based intervention to increase the percentage of active TB patients who communicate at least one of the ten priority adverse reactions from tuberculosis drug therapy from 40% to 60% during monthly visits over a period of six months, from October 1st, 2022, to March 31st, 2023, at the City Chest Clinic.
- Evidence-based intervention: Visual Analog Scales (VAS).







# Adverse Drug Reactions

- Nosebleed
- Vision changes
- Fever
- Nausea
- Fatigue
- Joint pain
- Skin rash
- Abdominal pain
- Yellowing of eyes or skin
- Tingling fingers or toes

## Tuberculosis Side Effects Questionnaire

Month \_\_\_\_\_

Please place an **X** on each line to indicate how severe you are experiencing each of the following reactions recently or from the last visit:

	_____	
No Nosebleed		Severe Nosebleed
	_____	
Clear Vision		Vision Changes
	_____	
No Fever		High Fever
	_____	
Not Nauseous		Extremely Nauseous
	_____	
Not Fatigued		Very Fatigued
	_____	
No Joint Pain		Joint Pain
	_____	
No Rash		Itchy Rash
	_____	
No Abdominal Pain		Severe Abdominal Pain
	_____	
Normal Eyes + Skin		Yellowing of Eyes or Skin
	_____	
No Tingling of Fingers or Toes		Tingling of Fingers or Toes

# References

- Pereira, M. A., Schmaltz, C. A., Arriaga, M. B., de Oliveira, R. V., Andrade, B. B., & Rolla, V. C. (2022). Adverse drug reactions related to treatment of drug-susceptible tuberculosis in Brazil: a prospective cohort study. *Frontiers in Tropical Diseases*, 66.  
<https://www.frontiersin.org/articles/10.3389/fitd.2021.748310/full>
- Prasad, R., Singh, A., & Gupta, N. (2019). Adverse drug reactions in tuberculosis and management. *The Indian journal of tuberculosis*, 66(4), 520–532.  
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# Thank You

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