

- 1 Additional File 4 Using the TDF to expand on COM-B components identified in the
- 2 behavioural diagnosis

COM-B	TDF linked to COM-B	Relevance of the domain
Psychological capability	Knowledge	Awareness of steps in diagnosing TB in children; of the available diagnostic tests. Rationale. Do they know what they should do and when and why?
	Cognitive & interpersonal skills	Proficiency in diagnosing TB; using diagnostic tests. Acquired through practice
	Memory attention and decision processes	Ability to retain information, to consistently remember to order TB tests to do, and when
	Behavioural regulation	Self-monitoring; how to break a habit e.g. missed diagnosis. Anything in place to prompt them to make a diagnosis and to monitor whether or not they have
Physical capability	Physical skills	Are they physically able/proficient in diagnosing TB; collecting specimen; using diagnostic tests. Acquired through practice
Social opportunity	Social influences	Social norms/group conformity to good clinical practices; group identity; modelling/role models. How might the views/opinions of colleagues/patients influence their decision to diagnose TB in children
Physical opportunity	Environmental context & resources	Organisational processes and patient flows; resources like job aides, PPE, reagents. Aspects of the environment that influence whether or not they diagnose TB in children
Reflective motivation	Social/professional role & identity	Do they think it is part of their job e.g. to collect specimen (seniors struggled with this)
	Beliefs about capability	Are they confident diagnosing TB in children; collecting specimen? How difficult or easy?
	Optimism	Do they think it's something that can be done? How confident are they of this?
	Intentions	Have they made a decision (not) to do it?
	Goals	How much do they want to do it?
	Beliefs about consequences	DO they believe doing it or not makes a difference?
Automatic motivation	Reinforcement	Anything to motivate or demotivate them?
	Emotion	Does it evoke an emotional response e.g. uncomfortable when babies cry during specimen collection; fear of reprimand from rich relatives

