Economics of TB:Securing financing under UHC



Carlo Irwin A. Panelo

Department of Clinical Epidemiology

UP College of Medicine

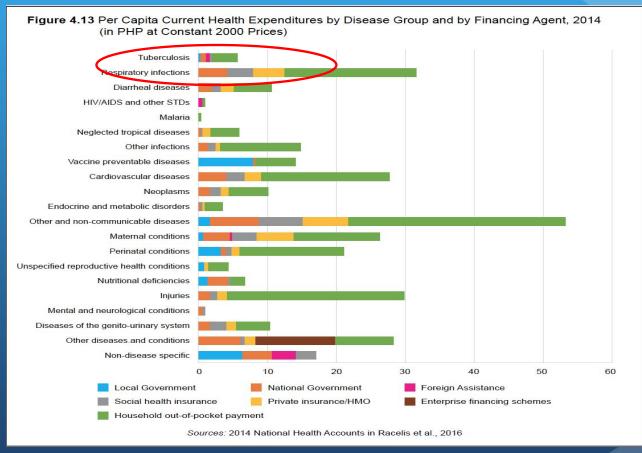
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Economic burden of TB is substantial

- Economic costs of TB is substantial (Peabody et al, 2009)
 - 500,000 DALYS;9% of YLL
 - P8B in economic losses
 - Up to P1.6B in annual treatment cost
- Nearly half of families with TB incur catastrophic spending (Florentino et al., 2022)
 - USD 601 overall mean total cost including pre- and post-diagnostic costs; 5X in DRTB
 - Around 80% of the total cost of TB are from direct non-medical costs and income loss, respectively

TB care is funded mostly out-of-pocket



Source: Panelo et al., 2020

How much does it cost to treat TB?

- Adult DSTB = P 6,725
- Adult MDR = P 374,630
- Adult LTBI = P 4,092

Source: USAID's ProtectHealth 2022

Recommendations for TB elimination

- Develop an operational plan from within PhilSTEP1 to match elimination targets
 - Set phased elimination targets
 - Identify focus areas to maximize yield
 - Identify priority populations with heavy burden
 - Assign accountability to specific regions and LGUs
 - Secure and provide financing mainly through DOH grants
- Test models/approaches prior to scale up, e.g. CiTEC
 - Focus on urban poor
 - Generate demand through community health workers/navigators
 - Employ active case finding measures
 - Contract private providers as part of provider network
 - Monitor closely to sustain and complete treatment

Active case finding yields more than combination strategies

	Viet Nam		Lao People's Democratic Republic			
Elasticity (labor)	$\alpha = 0.1$	$\alpha = 0.5$	$\alpha = 0.1$	$\alpha = 0.5$		
TB care (baseline) compared with no TB care (counterfactual)						
Total cost	\$ 378,000,000		\$ 23,000,000			
Financed by savings*	\$ 185,000,000		\$ 5300,000			
Gain in labor	3795,200		188,500			
Gain in GDP	\$ 18.4 billion	\$ 10.7 billion	\$ 92 million	\$ 549 million		
Return on investment	\$ 49	\$ 28	\$ 4	\$ 24		
ACF (moderate, targeted) compared with baseline						
Total cost	\$ 218,611,000		\$ 9197,000			
Gain in labor	126,300		10,100			
Gain in GDP	\$ 586 million	\$ 297 million	\$ 3.9 million	\$ 26.2 million		
Return on investment	\$ 2•70	\$ 1.40	\$ 0•40	\$ 2•90		
Combination strategy compared with baseline						
Total cost	\$ 989,568,000		\$ 49,096,000			
Gain in labor	417,500		56,000			
Gain in GDP	\$ 1.82 billion	\$890 million	\$ 356,000	\$ –4.5 million**		
Return on investment	\$ 1.80	\$ 0•90	\$ 0.00	\$ -0•10**		

Source: Estil et al., 2021

Securing financing for TB under UHC

TB control measures	Population-base d and/or merit good	Individual-base d	Non-medical costs
Information and demand generation	X		
Screening and confirmation	X*		
Treatment and monitoring		X*	
Social support			Χ
Enabling environment			X



Thank you!

capanelo@up.edu.ph

