National Academies of Science, Engineering and Medicine: Innovations for Tackling Tuberculosis in the Time of COVID-19

Panel Discussion on Diagnostic Advances

Improving X-ray Accessibility – Mobility, Efficacy, other new Technologies



<u>Screening With Enhanced diagnostics</u> in <u>Eligible key Populations for TB</u>



<u>CO</u>VID-inspired <u>Initiatives to Maintain</u> <u>Patient Access to Care for Tuberculosis</u>

Luan Vo

14 September 2021

Declarations:

SWEEP-TB & Co-IMPACT were funded by the Stop TB Partnership and CDC with inkind and technical support from the Embassy of Japan and Fujifilm Vietnam



PRE-COVID TB EPIDEMIOLOGY IN VN





Source: (1) World Health Organization. Global Tuberculosis Report, 2020; (2) Viet Nam NTP. Year-end progress report, 2020.

THE PROBLEM AND THE SOLUTION







FINDINGS & CONCLUSIONS



Source: (1) Vo LNQ, Codlin A, Ngo TD et al. Early Evaluation of an Ultra-Portable X-ray System for Tuberculosis Active Case Finding, TMID. 2021; doi.org/10.3390/tropicalmed6030163; (2) Codlin AJ, Dao TP, Vo LNQ et al. Independent evaluation of 12 artificial intelligence solutions to aide chest radiography interpretation during tuberculosis screening; under review.

ACKNOWLDGEMENTS

OUR SPONSORS

US Agency for International Development Stop TB Partnership, Global Affairs Canada US Centers for Disease Control and Prevention Embassy of Japan, Grant assistance for Grassroots human security Projects European Commission, Horizon 2020 Programme Unitaid, Otsuka Pharmaceutical Company, Janssen, Qiagen

OUR GOVERNMENT PARTNERS

National TB Control Programme/National Lung Hospital Provincial TB Programs of Ha Noi, Ho Chi Minh City, Hai Phong, Quang Nam, Quang Ngai and Can Tho

OUR NGO/NPO PARTNERS

IRDVN, Community Health Initiatives, Clinton Health Access Initiative, Karolinska Institutet, Liverpool School of Tropical Medicine, KNCV



FOR A VIETNAM FREE OF TB