

# Health System Strengthening

## Powered by AI

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# AI can improve patient outcomes

Lives impacted

20+ M

Countries

90+

Health Centers

2600+

# Outsmarting TB: 11% Additional Cases Detected with qXR

**200k+**  
screened

**2 weeks  
to 1 day**  
Time to sputum  
collection

**350+**  
municipalities

**8700**  
Cases diagnosed

## Partners



Once we've started with qXR, I don't think we can ever go back to using a manual reading of Xrays, given the difficulties that we've had before with our limited number of radiologists.

**JEROME TRINONA**

Account Coordinator for the Global Fund TB Grant, Philippines Business for Social Progress

Read further about the case study here ([Link to Qure's Post](#))  
Statistics from 1st March 2022 until 1st May 2022



# Spotting the Hidden: Over 29% Incidental TB Cases identified In Mumbai (13% increased notifications)

Partners



**87k**  
screened

**29%**  
Incidental cases

**18.5%**  
Presumptive to  
screened ratio

**2 days**

Median time from  
X-Ray to sputum  
collection

**7**

Govt. sites

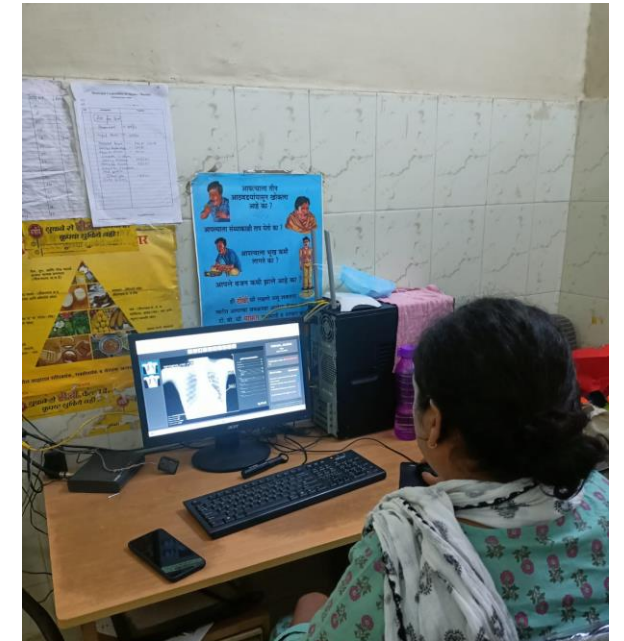
## Testimonial



We are proud to have Qure.ai team and the intervention of Chest X-Ray based TB Surveillance as a significant part of our TB department for TB detection. It helps us to increase our TB notifications & reach every hidden presumptive TB patient.

**District TB Officer,**  
Malad Ward (S. K. Patil Hospital)

Statistics from 2024



# AI can drive early detection

Early lung cancers  
detected

560

Countries

33

Health Centers

416

# Dual Defense: Integrated TB & Lung Cancer Screening

## Partners

**118K+**

People screened

Vietnam

*Partnered with the largest Govt. Lung Cancer hospitals*

**325**

Follow-up CTs

**177**

Potentially malignant nodules flagged on CTs



FREUNDESKREIS FÜR INTERNATIONALE TUBERKULOSEHILFE



We are so excited to partner with Qure.ai to pilot an integrated lung health screening programme in Vietnam...

..This collaboration presents a unique opportunity to pilot innovative technology in order to improve the detection and early treatment of lung cancer.

**ANDREW CODLIN**  
FIT Vietnam

Participants being screened for TB and Lung Cancer at the screening camp the by local primary health centre staff in Vietnam



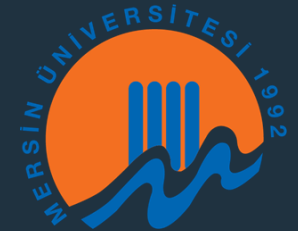
\* Study done in collaboration with AstraZeneca

# Broadening Diagnostic Horizons: qXR Identifies Heart Failure Risk in Non-Cardiology CXRs

## Partners



AMERICAN COLLEGE of CARDIOLOGY



~10k

Non-cardiology CXRs

2%

High risk cases

86%

Success rate

65%

Diagnosed patients had HFpEF

82

Confirmed HF cases



The power of artificial intelligence to predict heart failure by looking at lung X-rays was realized. More importantly 65.3 percent of patients diagnosed with heart failure had Preserved Ejection Fraction Heart Failure which is difficult to diagnose

DR AHMET CELIK

Mersin University



Read further about the partnership here ([Link to Qure's post](#))

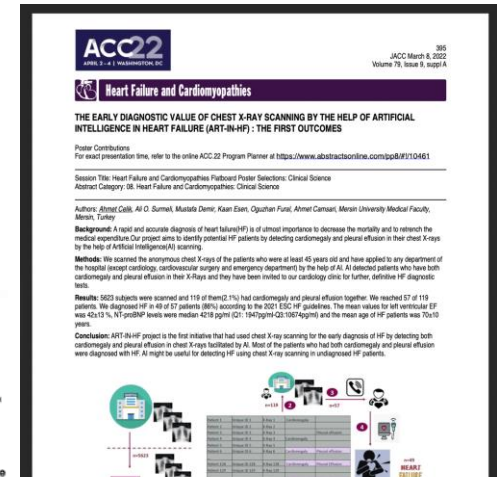
Statistics from April 2021 until April 22

\* Study done in collaboration with AstraZeneca



# Clinical Cardiology

An International Peer-Reviewed Journal for Advances in Cardiovascular Disease



## The diagnostic value of chest X-ray scanning by the help of Artificial Intelligence in Heart Failure (ART-IN-HF)

# AI can improve access in under served areas





# AI without Borders: Qure Advances Active TB Screening in Nigeria's Nomadic Communities

39+

Nomadic communities reached

15k+

People Screened

85

TB cases detected

1800+

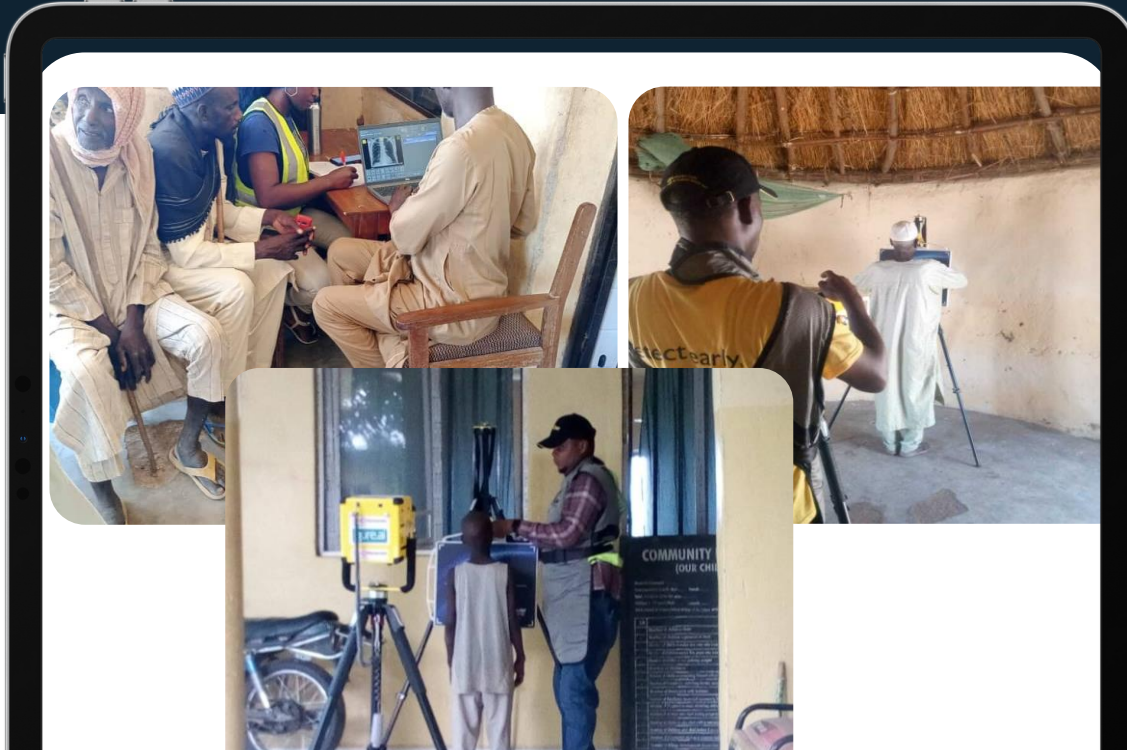
presumptive TB cases detected

## Partners



Qure.ai has been helpful in providing a novel solution to the problem of inadequacy in CXR equipment and the inadequacy of Radiologists/Medical Officers to read the CXR in nomadic areas.

**DR. STEVEN JOHN**  
CEO, Janna Health



# Turning Vision into Reality: Qure.ai Aids Uganda's Mission of Zero Missed TB Cases

## Partners

**300+**

Xpert Tested

**13%**

TB Detected

**176**

TB Presumptive

**6.6k+**

screened at  
2 sites



Dr. David Dowdy –  
Project Lead  
Professor of Epidemiology  
Vice Dean for Education



Thanks you to the qure.ai team for your support of our project - it is VERY much appreciated! The TB score on the client list will definitely help our workflow.

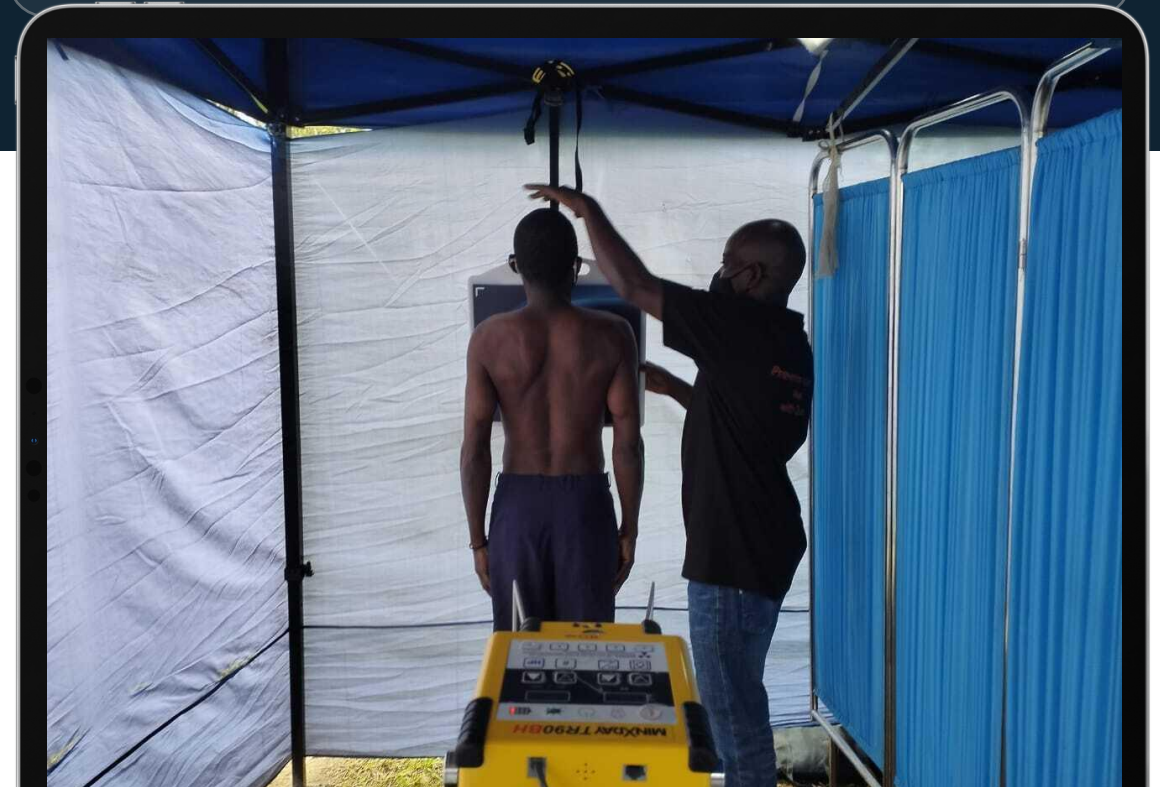
**DR. DAVID DOWDY**

Prof. Of Epidemiology, John Hopkins University



Read further about scripting the Teleradiology in India ([Link to Qure's post](#))

Statistics from 1st Jun 2021 until 1st November 2022



AI can optimize resource  
utilization and drive  
**Health System Strengthening**

Evaluated by **WHO** based on  
**independent study**



Study was to evaluate AI to be  
used in the absence of a human  
reader for interpretation of  
Chest X-rays

# WHO consolidated guidelines on tuberculosis

Module 2: Screening

Systematic screening for  
tuberculosis disease



# AI can empower the community PHC personnel, to triage multiple diseases (infectious & NCDs), with existing infra

- Same community outreach personnel/ primary health care facilities
- Same diagnostic tests/ infra (E.g. X-rays)
- Same population



## Health System Strengthening

- Multiple disease triaging
- Tuberculosis
- Lung nodules
- Heart failure risk
- Hypertension
- Pneumoconiosis (Silicosis)
- Pneumothorax
- Etc..
  
- Digital forms
- Chat bots to help PHCs/ community workers
- Teleconsultation

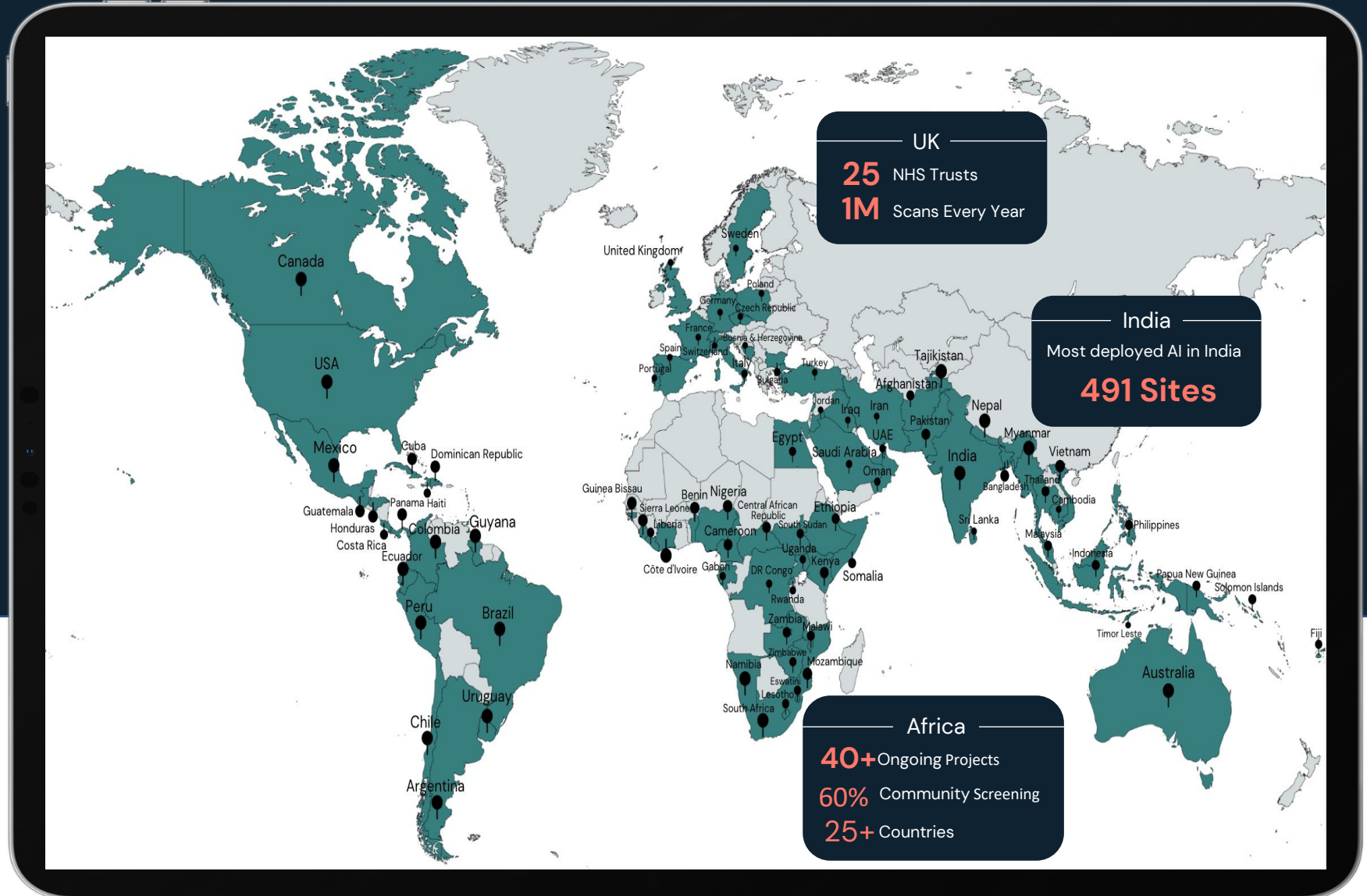
# Most Deployed Healthcare AI Solution Globally

Successfully deployed in

**90+** countries

**2700+** sites

**25M**  
Lives Impacted



# Portfolio Overview



Largest training data sets and repository of +1Bn images



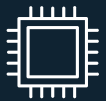
FDA, CDSCO Certified



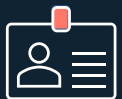
EU MDR Class 2B certified



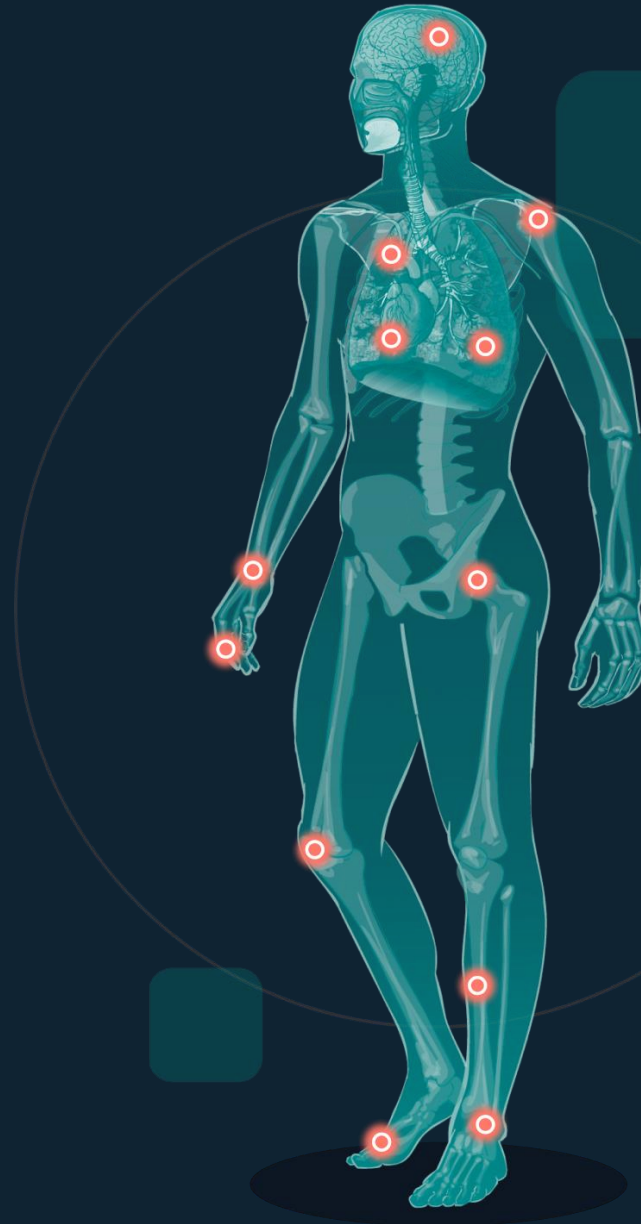
Evaluated by WHO  
Matches TPP criteria for TB



Hardware (CXR & CT)  
and PACS / EMR agnostic



200+ employees, 100+  
AI Scientists & Engineer



TB and Lung Cancer risk on Chest X-Ray

Cardiovascular risk factors (Heart Failure, hypertension) on Chest X-Ray

Lung Nodule Management on CT

Fractures on Musculoskeletal X-Rays

Neurological findings (stroke) on head CTs

Disease agnostic platform with care coordination & decision support

Please reach out to discuss

# Health System Strengthening with AI

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