



Aamir Khan MD, PhD Executive Director IRD



Mobile X-ray Van Based Integrated TB & COVID-19 Screening

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INDUS





TB and COVD-19 Screening

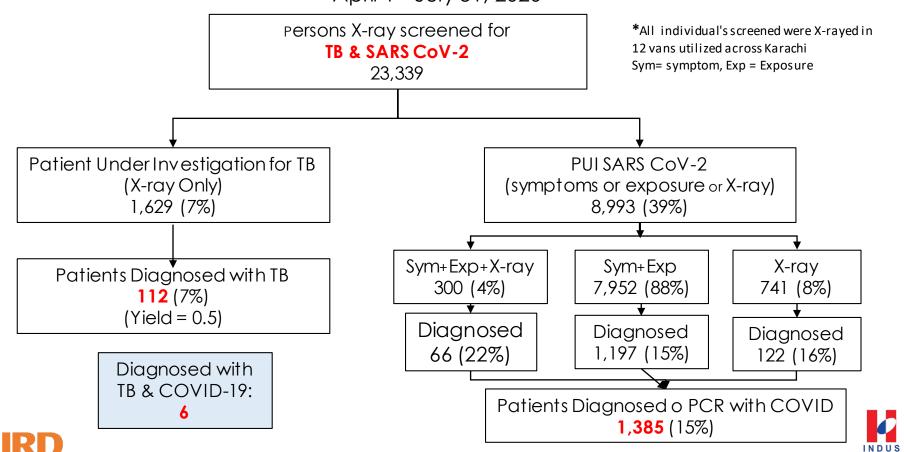






Karachi: Mobile X-ray Van Based TB & COVID-19 Screening

April 1 - July 31, 2020





The IRD Model



An Integrated Community Response to the COVID-19 Pandemic

The IRD Model takes the fight against COVID-19 out of hospitals and emergency rooms, and back into the community where infections spread, where patients first experience symptoms and where transmission can be interrupted

We aim to empower local private providers, contact tracers, mental health counselors and high school girls with the tools to protect themselves and care for patients and families in the community



10,000

Kiran Sitaras



Masks



Training

Promote mask use and handwashing in neighborhood and screen households

200

Mental Health Counselors



Food Packages



Cash Packages

Provide psychosocial support, including food support and cash, to patients in isolation and families in quarantine

200

Tracers



Phone App



Patient Database

Classify contacts of confirmed patients into high and low-risk in a centralised database and track home-based quarantine

1,000









Oxygen Oximeter Therapy

Equip with PPE, pulse oximeters, oxygen cylinders and diagnostic referral links



- 1. Triage at neighborhood clinics
 - Symptoms, pulse oximetry, oxygen therapy, oral or IV steroids at Chest Physician clinics
 - PPE for physician and clinic assistant
- 2. Testing, O2 therapy and referral via local health centers
 - Free chest X-rays, free oxygen therapy
 - PCR and antibody tests for a fee in private sector, PCR free at select public/charity labs.
 - Two-way referral to/from Emergency Rooms or Isolation Facilities
- 3. Trace all index patients through team of contact tracers
 - Centralized Electronic Contact Registry
 - Risk Classification High or Low Risk Quarantine at home
- 4. Social support and mental health services by counselors
 - Food or cash for families in quarantine, counseling
- 5. Personal protection and information via health workers and Kiran Sitaras
 - PPE for health workers in GP clinics
 - Masks for affected families and neighborhoods
 - Interventions to reduce stigma

Screening and Oxygen Therapy in Private Clinics

June 1, 2020 - July 31, 2021









566 GP Trainings Conducted



57,432 Screenings Conducted



3,133 Oxygen Therapies Performed



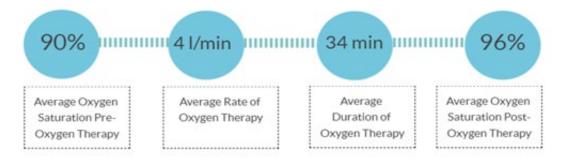


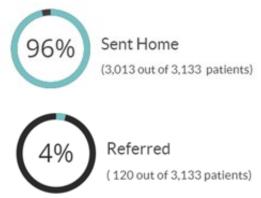
3,133 Oxygen Therapies Performed at GP Clinics

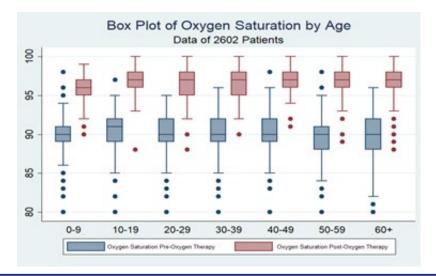


July 21, 2020 - June 27, 2021



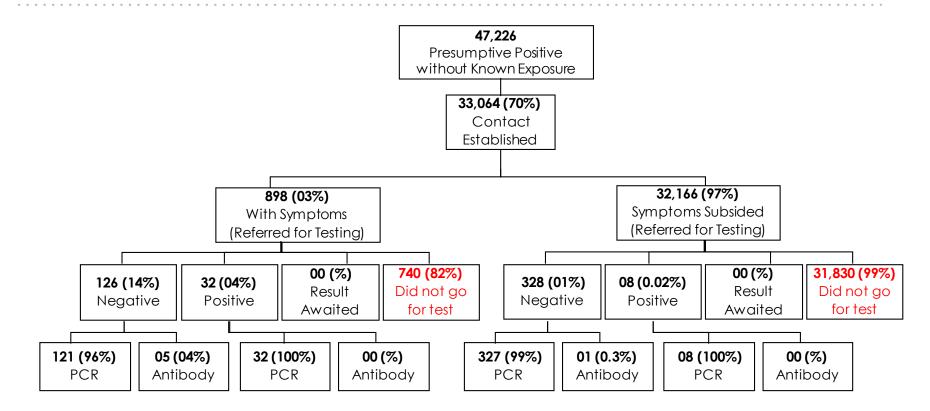






COVID -19 Screening at GP Clinics - Karachi June 1, 2020 - June 27, 2021

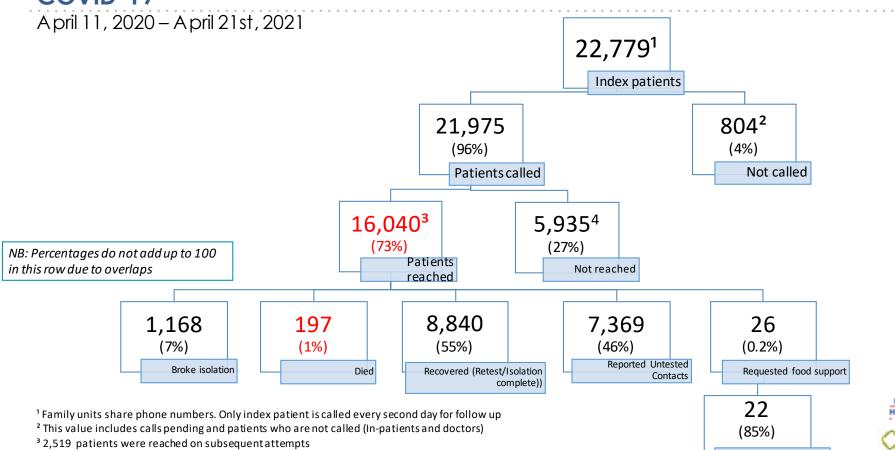




Phone-based Contact Tracing among Patients Tested Positive for COVID-19



Provided food support



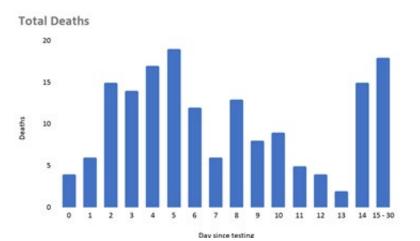
⁴Each number is tried thrice at different intervals

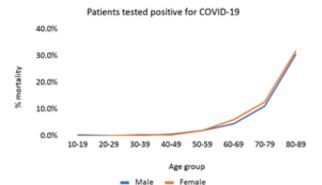
COVID Test Positive Patient Day of Death since Testing (n = 128)

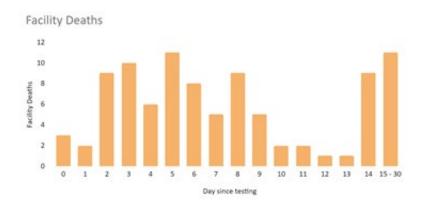


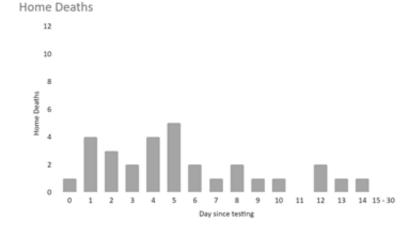


April 11 2020 - Mar 31, 2021









Conclusions

COVID-19 surge can quickly overwhelm active TB screening systems

- 10 times as many COVID-19 patients identified as TB patients during mass X-ray screening during first surge
- Mass Antigen Rapid Diagnostic Tests (RDTs) screening will be key (now being introduced with support from FIND and Stop TB)

TB investments well suited to pivot to COVID-19 response

- Contact tracing and mental health support for COVID positive patients
- Private sector provider networks GP clinics
- Data collection and reporting systems



Donors









