

# AI FIRST POINT OF CARE TESTING AND TELE-CONSULTATION COMPANY

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# BRIOTA

**Mission - Screen 100 Million people for Non Communicable Diseases (NCDs) by 2030 !!**

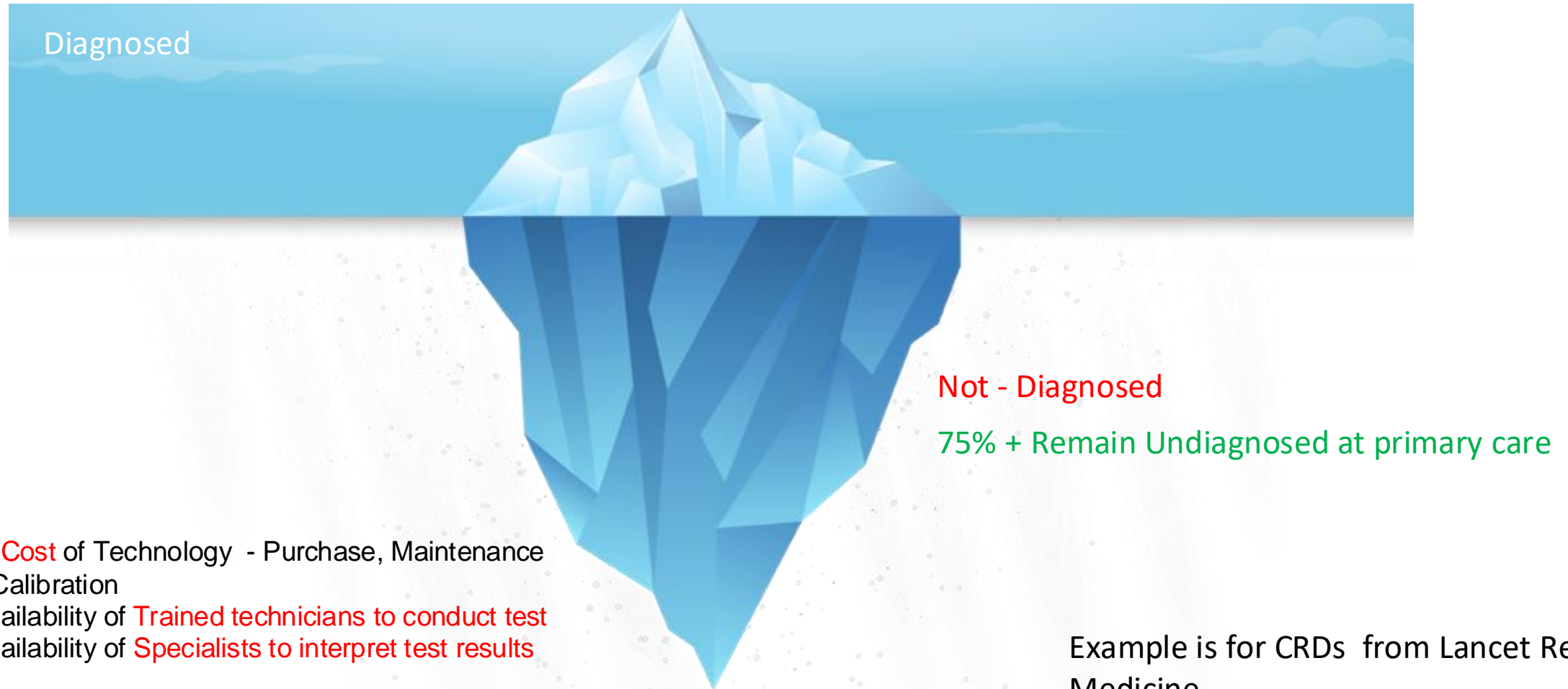
NCDs - Anaemia, Asthma/COPD, Post TB/Covid Lung Disease, Cardio Vascular Diseases, Diabetes, Breast Cancer, Oral Cancer, Cervical Cancer, Lung Cancer, NAFLD/Chronic Liver Disease, Chronic Kidney Disease, Epilepsy, Sickle Cell Disease and Tuberculosis



# Key Discussion Points

- What innovative technology have you developed to address NCDs, and what is its impact on public health?
  - Single Window AI First Point of Care Testing Platform for 14 NCDs
- What were the key challenges in piloting and implementing your technology?
  - when it comes to allowing an innovator or a startup to pilot a new thing - there are 1000s of nay-sayers ! Just be persistent and never loose hope !
- What are the lessons learnt from your journey that other young innovators can keep into consideration for navigating the public health landscape ?
  - Stay away from board room discussions and Buzz Words and don't make your decisions on what you hear in Webinars 😊 !! Go to field - meet the policy makers, respect the ground realities, meet the local teams and then design your solution
- How do you plan to further scale up and sustain your technology's deployment? - let's talk about it

# **PROBLEM** - Missed or delayed screening and diagnosis of Non Communicable Diseases (NCDs) in LMICs



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# PROBLEM - DELAYED DETECTION AND TREATMENT OF NCDs



Even if government district hospital in some cases have free screening, a rural patient needs to spend Rs. 5000 (\$60) as out of pocket expense and will loose 4 to 5 days of work or study

# Briota's SURAKSHA™ - सुरक्षा™

AI FIRST SINGLE WINDOW NCD Screening Platform - Purpose built for Community Care and Primary Care Settings




1



POCT Device Backpack

2



Mobile App

3




AI CDSS

4



Indian Data Set

5



Confirmation and Teleconsultation



**INDIAN Demographic Data :**  
1,50,000+ test data has been put into AI engine with Proprietary Patent Filed Algorithms

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**Communicable Disease:  
+ Tuberculosis टीबी**

1. Anemia
2. Asthma/COPD
3. Post TB Lung Disease/ Post Covid Lung Disease
4. Hypertension
5. Diabetes Mellitus
6. Cardiovascular Diseases
7. Chronic Kidney Disease
8. NAFLD/Chronic Liver Disease
9. Epilepsy
10. Oral Cancer
11. Breast Cancer
12. Cervical Cancer
13. Lung Cancer
14. Sickle Cell Disease

# सुरक्षा™ How does it work?



## 1st Stage - Doorstep CBAC Survey using AI Application

मोबाइल एप्लिकेशन का उपयोग करते हुए एनसीडी जोखिम मूल्यांकन सर्वेक्षण (सीबीएसी) - कई भारतीय भाषाओं में स्थानीयकृत

क्या आपने अपने जीवन काल में 100 से अधिक सिगरेट या बीड़ी पी है या क्या घास  
धूम्रपान का खतरा मंडरा रहा है?

क्या आपको 2 सप्ताह से अधिक समय तक खांसी रहती है?

क्या आपके परिवार में कैंसर का कोई इतिहास रहा है?

क्या आप शराब पीते हैं?

यदि आप माँ हैं, तो क्या आपने 6 महीने से अधिक समय तक स्तनप

जब आप दौड़ते हैं या कोई भारी बोझ वाला काम करते हैं, तो क्या आपको घ

है?



# सुरक्षा™ How does it work?



## 2nd Stage - AI POCT Device Screening at community center or at doorstep



 Ministry of Health & Family Welfare Government of India	 Karuna Trust 25 years of Integrated Rural Development	 <ul style="list-style-type: none"><li>✓ Exercise</li><li>✓ Yoga</li><li>✓ Balanced Diet</li></ul>
<b>CRD Screening Card</b> Name : _____ Date : _____ ABHA ID : _____ Spiro Test ID : _____ Phone No. : _____ SCREENING : <input type="checkbox"/> Red <input type="checkbox"/> Yellow <input type="checkbox"/> Green Diagnosis Test Appointment : <input type="checkbox"/> YES <input type="checkbox"/> NO Date : _____ PHC : _____		 <ul style="list-style-type: none"><li>X Say No to Tobacco</li><li>X Cigarettes</li><li>X Bidi</li><li>X Khaini</li><li>X Gutkha</li><li>X Tambakhu</li></ul>



संचालन में आसान, स्थानीय भाषाओं में मोबाइल ऐप उपलब्ध - नियमित एंड्रॉइड फोन के साथ काम करता है - घर पर या उप केंद्र



# सुरक्षा™ How does it work?



## 2nd Stage - AI POCT Device Screening at community center or at doorstep

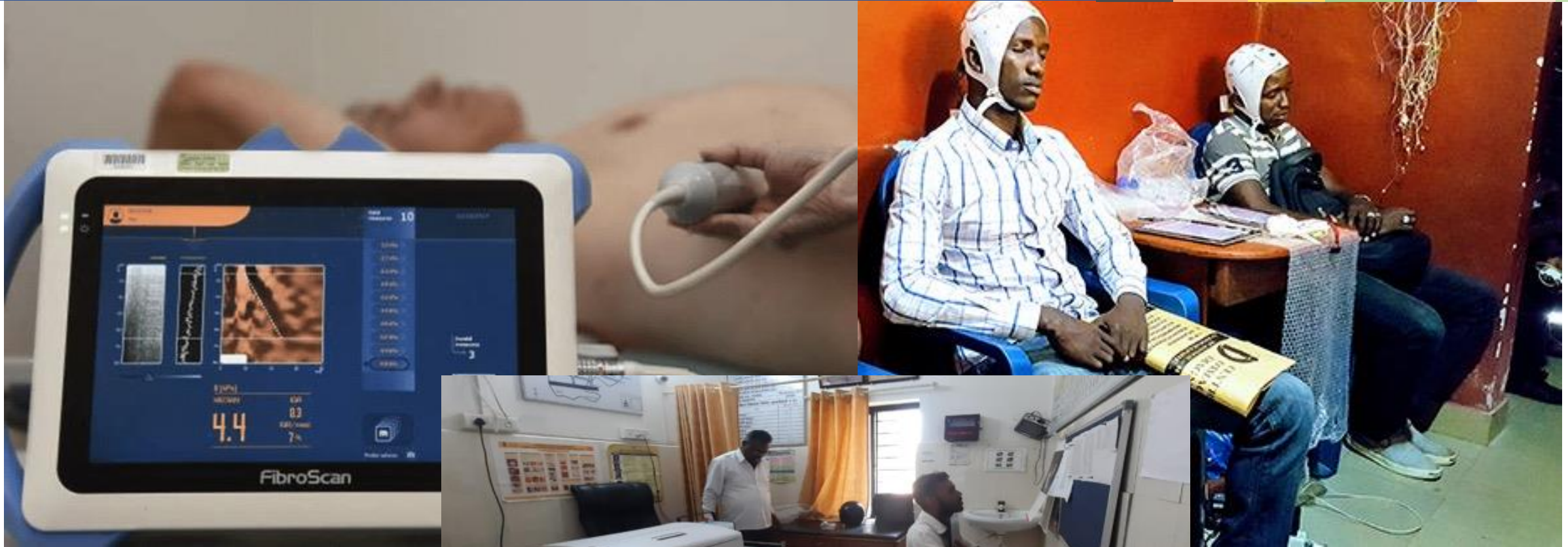


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# सुरक्षा™ How does it work?



2nd Stage - AI POCT Device Screening at community center or at doorstep



# सुरक्षा™ How does it work?



## 3rd Stage - Doctor Consultation, Tele-consultation, Continuum of Care



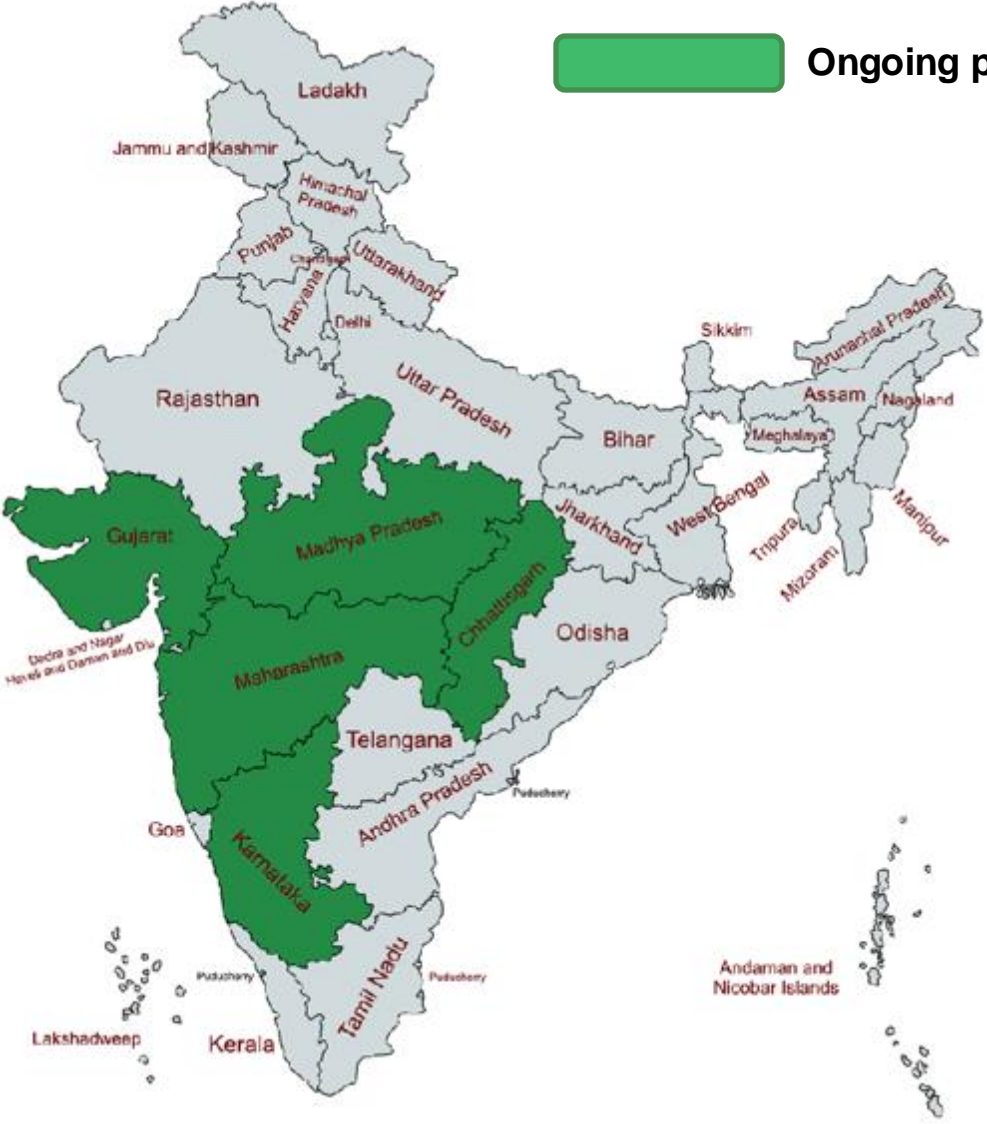
**AT PHC, District Hospital or with teleconsultaion**

# सुरक्षा™ Aligned with National Programs



स्वास्थ्य एवं परिवार कल्याण मंत्रालय  
MINISTRY OF HEALTH AND FAMILY WELFARE





### Beyond India



### Beyond Profits



# सुरक्षा™ Implementation Model

## Administrative Support



सत्यमेव जयते

स्वास्थ्य एवं  
परिवार कल्याण मंत्रालय  
MINISTRY OF  
**HEALTH AND  
FAMILY WELFARE**

हर गांव, हर घर पूर्ण स्वास्थ्य सुरक्षा अभियान

## Implementation Agency

State Health  
Agency and  
Local Health  
System





# Thank You

