



**Texas Children's  
Hospital®**



# Swaziland Baylor TB Centre of Excellence

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**Anna Mandalakas, MD, PhD**  
Director, The Global Tuberculosis Program

**Pilar Ustero, MD, MSc**  
Associate Director, The Global Tuberculosis Program

# The Global TB Program

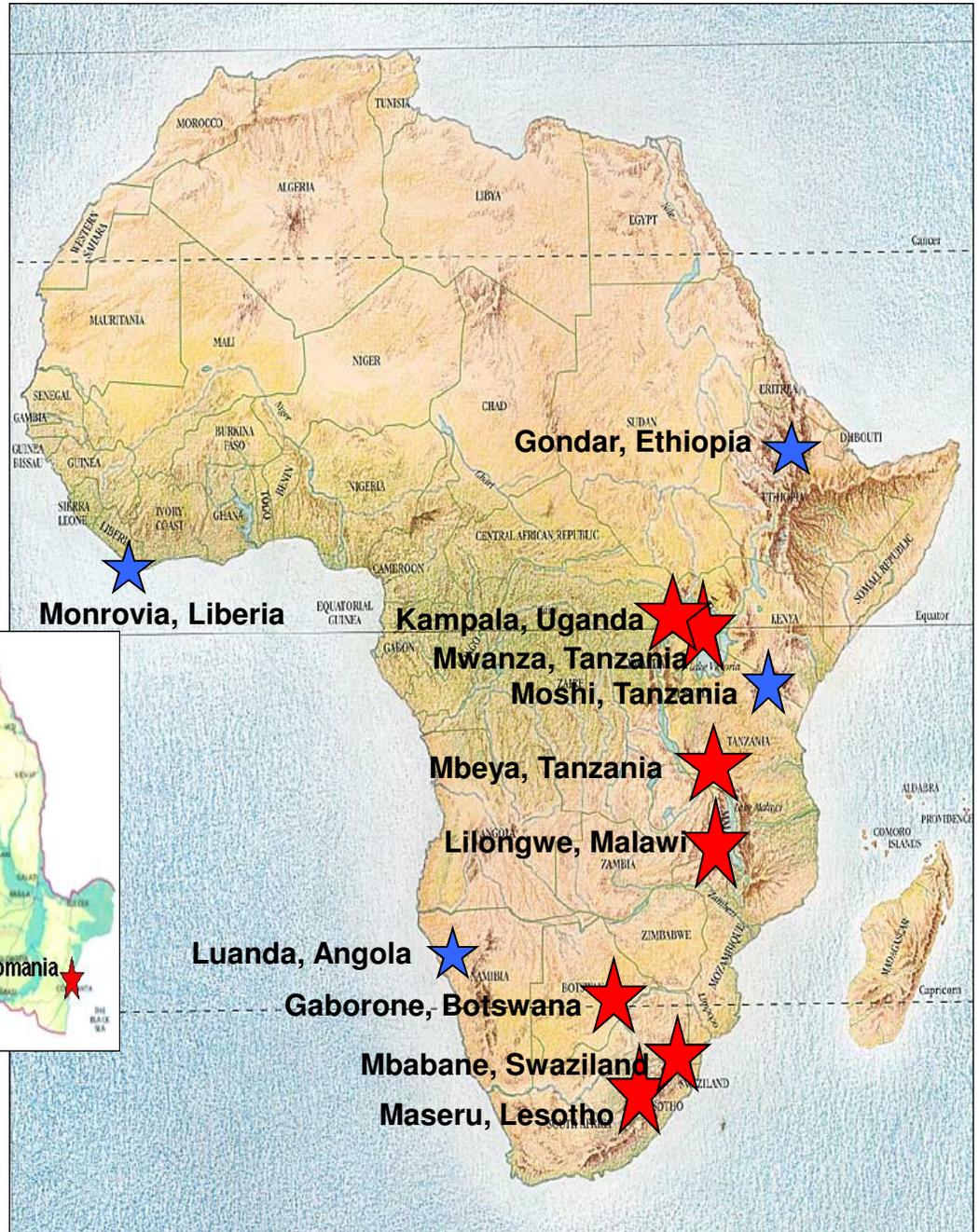
## MISSION STATEMENT

Our Global TB team works in complementary clinical, educational, and research arenas to improve the health and well-being of children affected by TB in all countries.

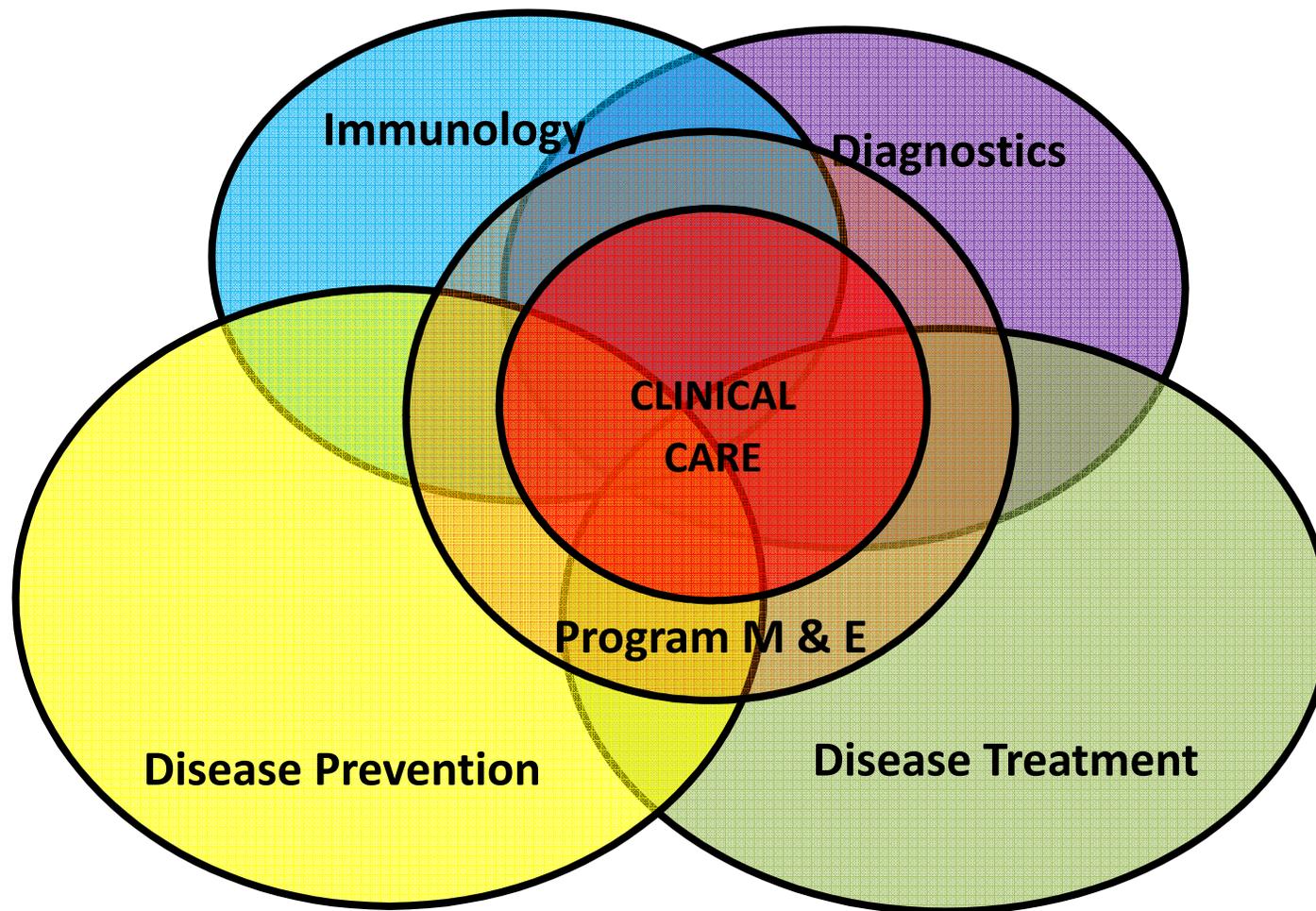
Our program aims to more effectively prevent, diagnose, and treat **TB infection and disease** in children to support an ultimate goal of TB elimination as targeted by the WHO.



# The BIPAI Children's Clinical Centers of Excellence Network (2015)



# Global TB Program Concept



# Setting up TB Services in Swaziland

- Baylor clinic was started in 2006
- TB services incorporated in 2008
  - Diagnosis
  - Treatment of DSTB and IPT
- Incorporated GXP in 2012, through a TB REACH grant
- In 2013 funding from Texas Children`s Hospital to develop a stand alone TB clinic
- In 2014 the NTCP, through Global Fund, allocated a digital X-ray machine



# TB Centre of Excellence Mbabane, Swaziland

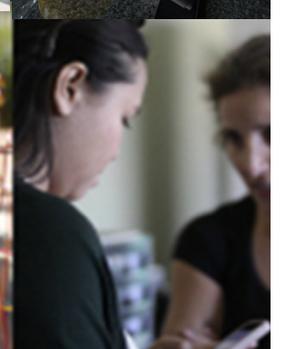


GLOBAL  
TB PROGRAM  
TEXAS CHILDREN'S HOSPITAL  
BAYLOR COLLEGE OF MEDICINE



Baylor  
College of  
Medicine

# Texas Children's Global Health Global TB, Swaziland



# Comprehensive TB Services

Reference National Center

## *1 stop TB pediatric diagnosis approach*

- On site GXP: specimen collection as needed for all ages (induced sputum, gastric aspirate, nasopharyngeal aspirate)
- On site digital radiographic services:
  - Telemedicine
- Treatment for DSTB and/or IPT services



# Texas Children's Global Health Global TB, Swaziland



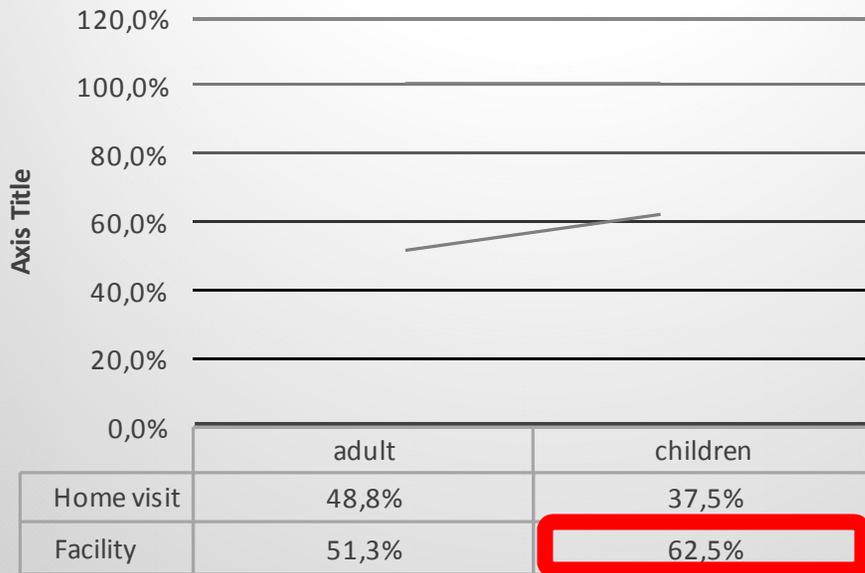
# Training capacity

- The clinic serves as a training center for doctors and nurses: “***Critical mass of children***”
  - Attachments
- In house training: sputum induction (TOT), gastric aspirate...



# 1. TB REACH: Household Contact tracing

MTB detected by age and site of collection



82,2% of children with positive screening had neither GXP nor CXR completed

Need for "patient support"!!!!

## 2. TB REACH: School Contact tracing



	School Contact tracing
Total Screened	1068
Screening positive	150
Tested	135
Positive GXP	0



# 3. TB REACH: training



Free pediatric TB-HIV Hotline



# Up scale MDRTB Services

- Clinical follow up for MDRTB contacts
- Provide MDRTB treatment starting in 2016



# Key Partnership

- National Tuberculosis Control Program: technical assistance for childhood TB
  - Development of guidelines, pilot new programs, trainings
- Stop TB partnership: TB REACH grant
- MSF, ICAP, Darmouth, PACT
- Rocking Horse Project
- Sentinel Project
- WHO child TB working group
- Missing partners... UNICEF, UNAIDS,





# THANK YOU



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