

### Brazil within Brazil

- Population: ~198.000.000
- · Indigenous people: 817.963
  - Culture (>270 languages)
- · Different bioma
  - Amazônia, Mata Atlântica
  - Caatinga
  - Cerrado
  - Pantanal
  - Pampa



# **Daring Beginning**

- 1978: Declaration of Alma-Ata (Kazakhstan)
  - Absence of disease
    - · Complete physical, mental and social wellbeing
    - Fundamental Human Right
- 1988 Constitution (Brazil)
  - "A saúde é direito de todos e dever do Estado"
  - "Health care is a right of all and an obligation of the State"
  - Unified Health System (Sistema Único de Saúde SUS)



## Challenges

- · No health services
  - Voice and planning
- · Health services but no access
  - Roads, rivers
- Access to health services and poor results
  - Cold chain (vaccines)
  - Traditional practices that promote transmission
  - Distrust the government



### The Law

- · Health is a right
  - "Treat differently those with different needs"
    - Most vulnerable = little access, little voice
- Health is a work-in-progress
  - 1910: Indian Protective Service (SPI)
  - 1999: Law n° 9.836/99 / "Sérgio Arouca Law"
    - Culture, health policy and priorites
    - Transparency decisions and funding
  - 2010: Special Indigenous People Health Secreriat(SESAI)
  - Vaccines (Hepatitis A, B)



## Special Indigenous People Health Secreriat (SESAI)

#### Decentralized

- 34 Sanitary Districts (DSEI)
- 351 outposts
- 3 Departments:
  - Budget and Management (DGESI)
  - Healthcare (DASI)
  - · Sanitation and Engineering (DSESI)
- · Council with active voice
  - 50% Indigenous people
  - 25% Public healthcare system workers
  - 25% city/state government representatives

Sus Ministério da Saúde

## "Mais Médicos"/More Physicians

- · 2013: Ministry of Health of Brazil & PAHO/WHO
  - Humanitarian emergency
- · Call for Foreign and Brazilian physicians
  - Special permission for medical practice, temporary contract
  - Assigned to locations with little or no health services
- · More medical schools
- · More residency programs
- · Medical education reforms



### **Brazilian Armed Forces**

- · Transportation
- · Trained and specialized staff
  - Temporary military service for physicians
  - Career: (medical) officers, seamen, soldiers and airmen
- · Security
  - Land theft
  - Mining, deforestation, drug trafficking
- · Broad spectrum of action



# Improving care

- · Diagnosis and prevention
  - 2003: Training the community
  - 2011: Viral Hepatitis Rapid Test
- · Follow-up and fibrosis evaluation
  - Non-invasive assessment (APRI/FIB4)
- Treatment
  - HBV: Entecavir, Tenofovir
  - HCV: Interferon-free / DAAs



## Lessons Learned

- · Simple may be better
  - Decentralized Health System
  - Look for unusual team players and strategies
  - Social participation is essential to achieve success
- Hepatitis and Indigenous People can't wait any longer



