Treating preventable diseases with vaccines

Nearly 47% of 18 million residents of Mali are under 14 years old

(MALI one of the poorest countries in the world)

(His Goal) Reduce disease burden in children through vaccinations

**Problem**

Limited resources
Basic and rapid test results were unavailable due to no laboratories or proper equipment

24% 60%

Misinformation
60% of children 0-15 years were misdiagnosed as having malaria, when in reality, malaria was only responsible for 24% of illnesses.

Culture
Historically, vaccinations weren't trusted

**Solution**

Surveillance + Clinical research = Malaria

Hib, pneumococcus, and other diseases were killing more children than malaria

Dr. Sow and his team introduced vaccinations for Hib and other preventable diseases while training a workforce to collect data and improve technical logistics

Worked with community religious leaders and health professionals to educate the community on the benefits of vaccines until they became widely accepted

**Source:** http://www.rouxprize.org

---

**2017 Winner**

Dr. Samba Sow, MD, PHD
Minister of Health, Mali

Collected and analyzed data to identify largest disease burden in children and prioritized vaccine delivery

Now that we have opportunities and a system like Global Burden of Disease we will have to take that opportunity to strengthen our national system, to question our own data, by looking at other data from other places.

- Dr. Sow

---

IHME UNIVERSITY OF WASHINGTON