



# Immunization in Nigeria: Addressing inequality to enhance coverage

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# Outline

- ▶ Profile/background
- ▶ Context
- ▶ Equity
- ▶ What next?





# Country Profile/background



- ▶ Federal system, 6 geopolitical zones, 36 states, including the Federal Capital Territory, 774 Local Government Areas
- ▶ Total population 167million, Age structure-  
0-14 years: 43.8%, 15-24 years: 19.3%,  
25-54 years: 30.1%, 55-64 years: 3.8%, 65 years and over: 3% (2013 estimates),
- ▶ BC :6.7M; Surviving infants: 5.9M; fixed Imm sites: 25,132
- ▶ 54.4% live below poverty line, Out of pocket (OPE) by HHs accounts for 64.5% Total Health Expenditure, 6.1% of GDP and 4.4% of Government budget go to health)
- ▶ Over 30,000 Health Facilities (both public and private) offering routine immunization



NC: Northcentral  
NE: Northeast  
NW: Northwest  
SE: Southeast  
SW: Southwest  
SS: Southsouth

Background/Important Indices

Map showing the 6 geopolitical zones



# Context



- ▶ Large population, “large economy”
- ▶ Effects of country’s constitution, governance
- ▶ The health system
- ▶ Rebased economy- GAVI/LIC to MIC
- ▶ MDGs; post-2015 SDGs/UHC/DoV-GVAP,
- ▶ Correcting **INEQUALITIES** to achieve better/higher coverage

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# The giant of Africa!



- ▶ Africa/World to achieve it, it must happen in Nigeria!





# Health System.....1



- ▶ Heavy burden





# Health system.....2



- ▶ Machine with very weak engine!



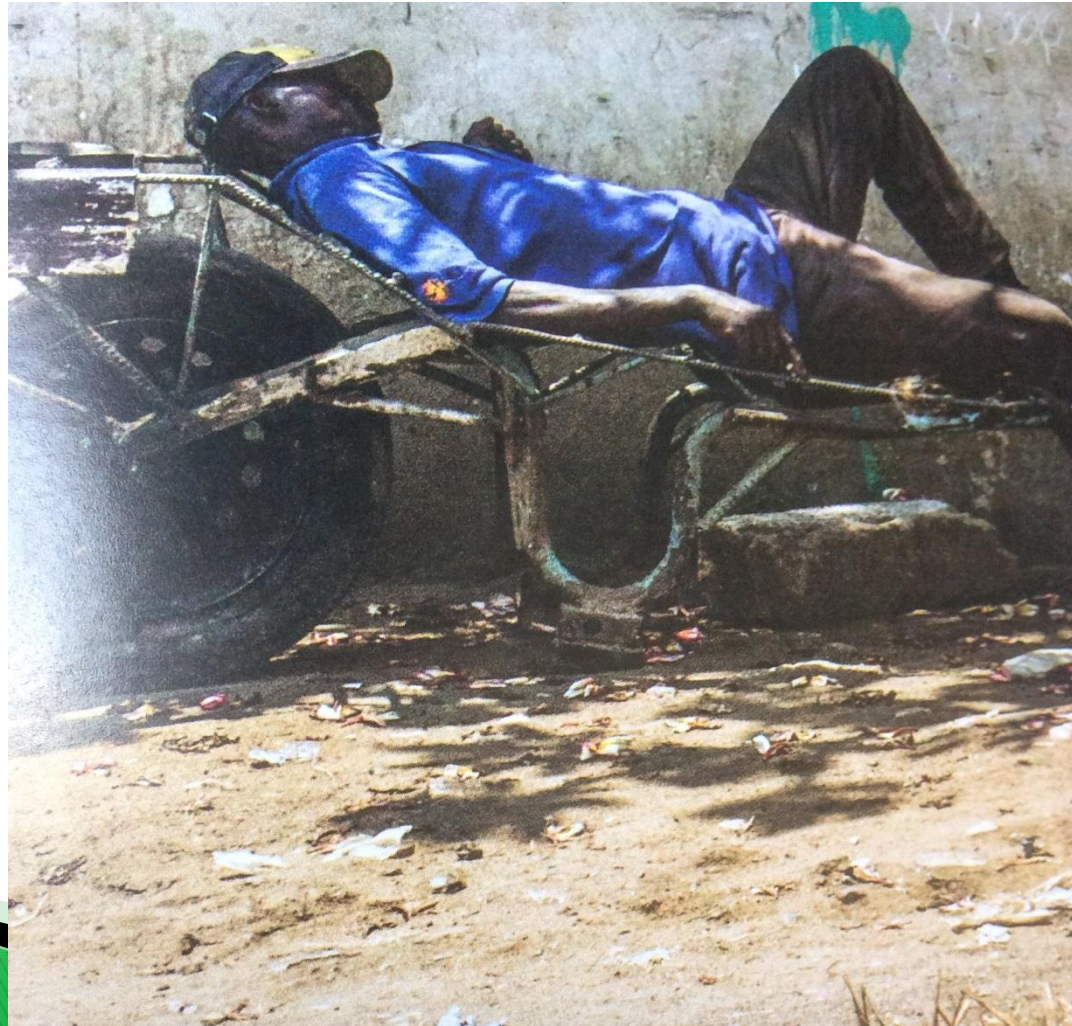




# Health system.....3

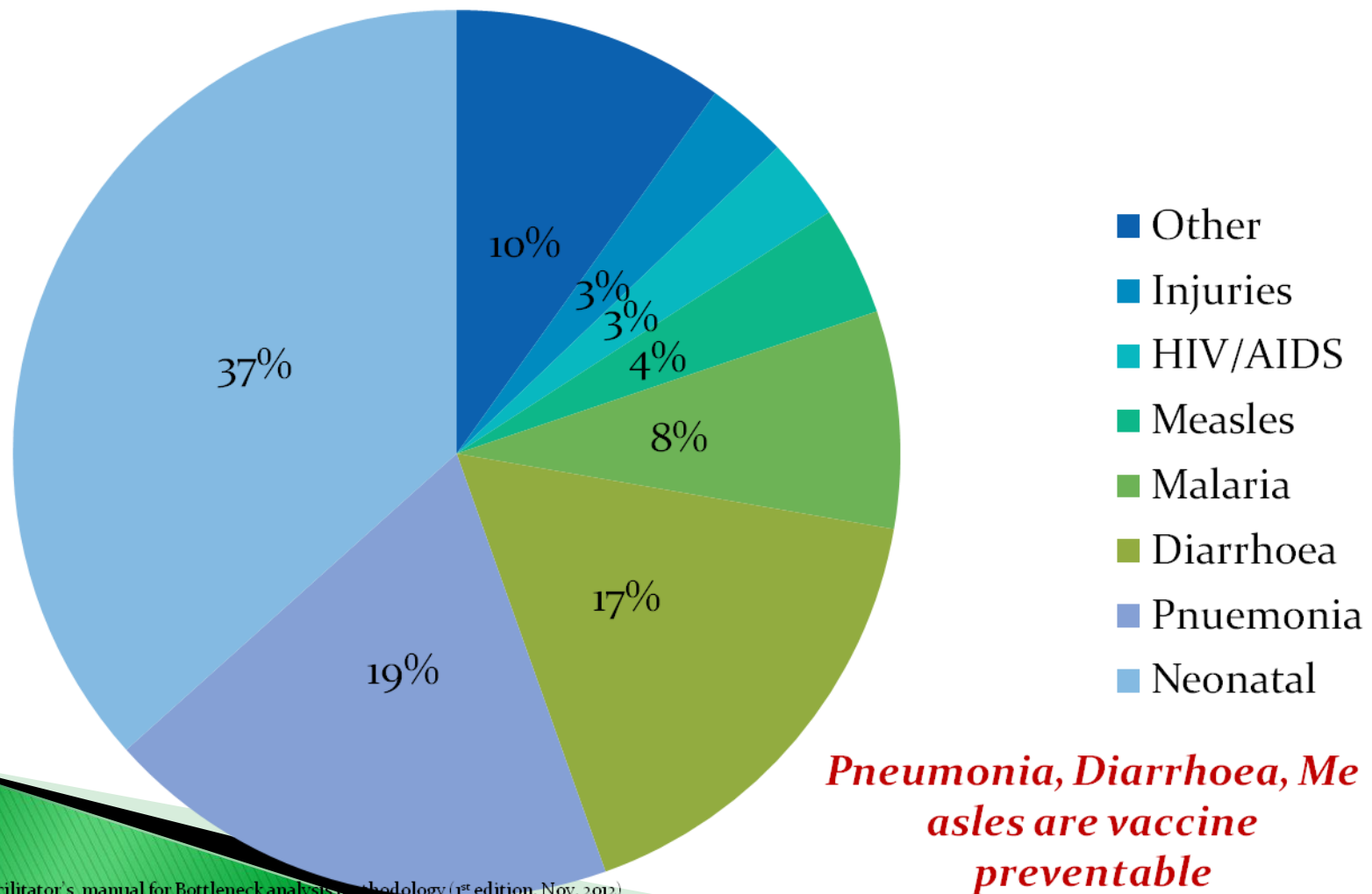


- ▶ Poorly motivated workforce



# Major cause of U5 death in Nigeria

Up to 1 Million children die before the age of 5

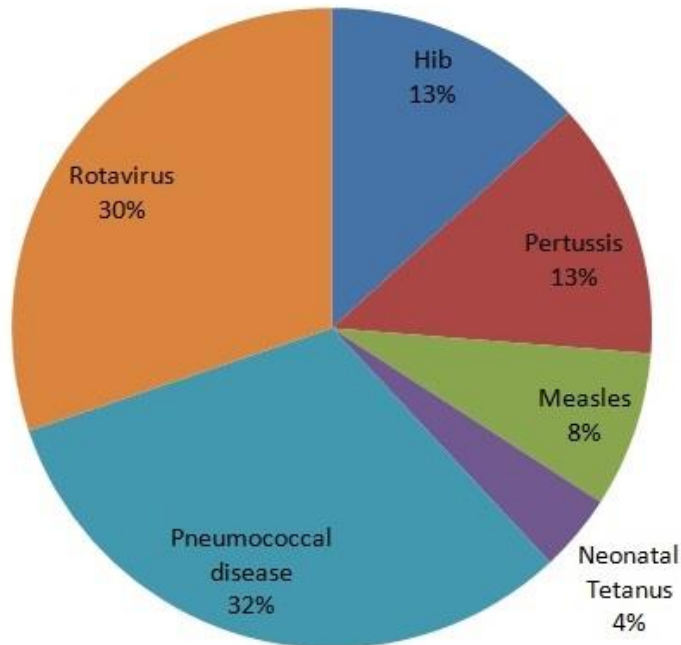




# U5M due to VPDs



## Deaths in U5 Children due to Vaccine-Preventable Diseases

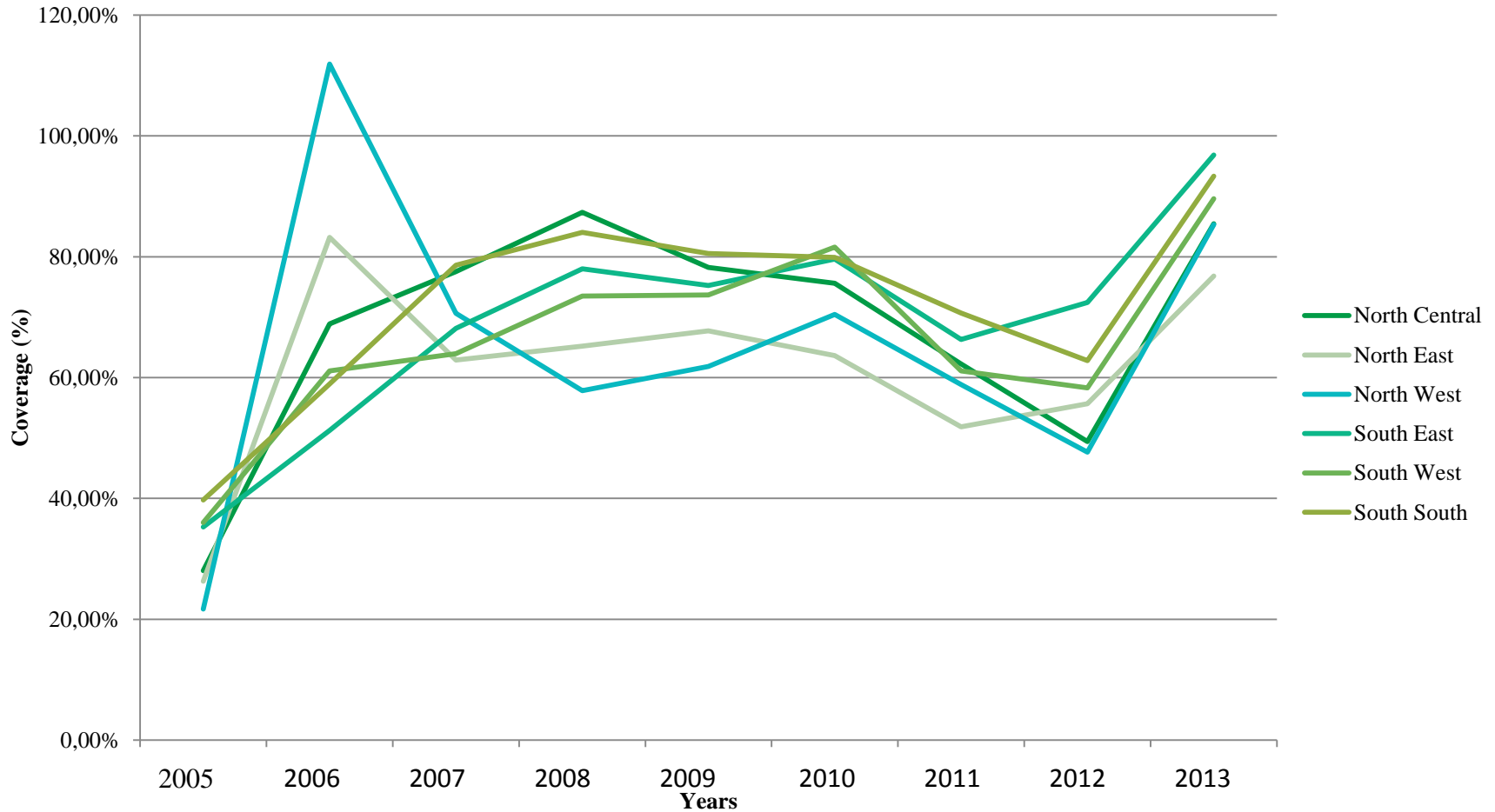


Significant investments in immunization is required to match interventions with the need and save lives

Immunization services are provided by ~35,000 public and private health facilities in Nigeria



# Fluctuations of DPT-3 coverage by geopolitical zone in Nigeria, 2005 - 2013

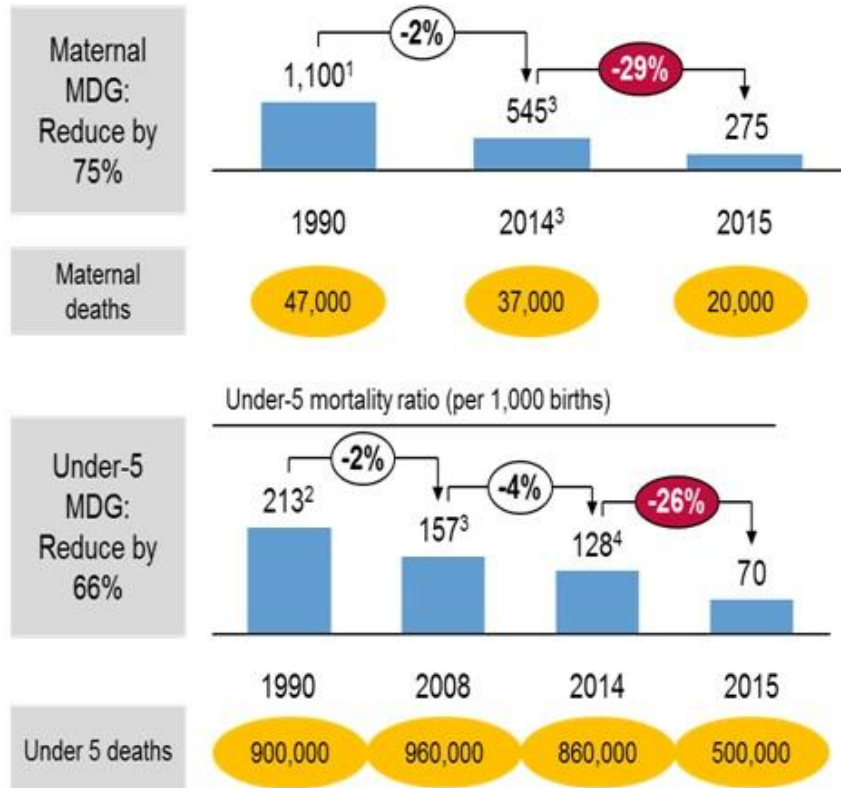




# Updates on MDGS 4 & 5



Maternal mortality ratio (per 100,000 live births)



As Nigeria's population is approximately 16% of Africa's, Nigeria's attainment of the health MDG targets will significantly improve the health outcomes in Africa as a whole

....and now to uncompleted/new  
businesses .....

▶ POLIO

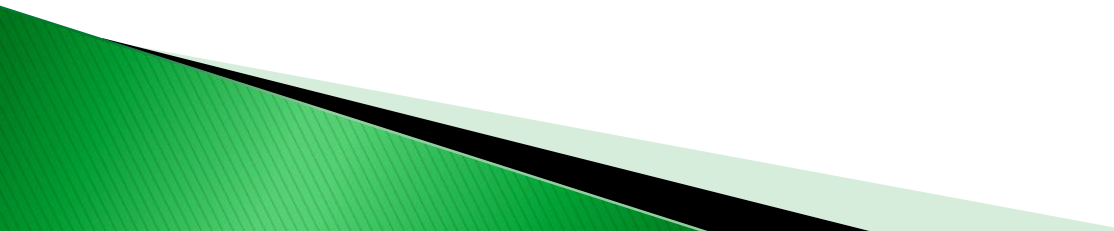


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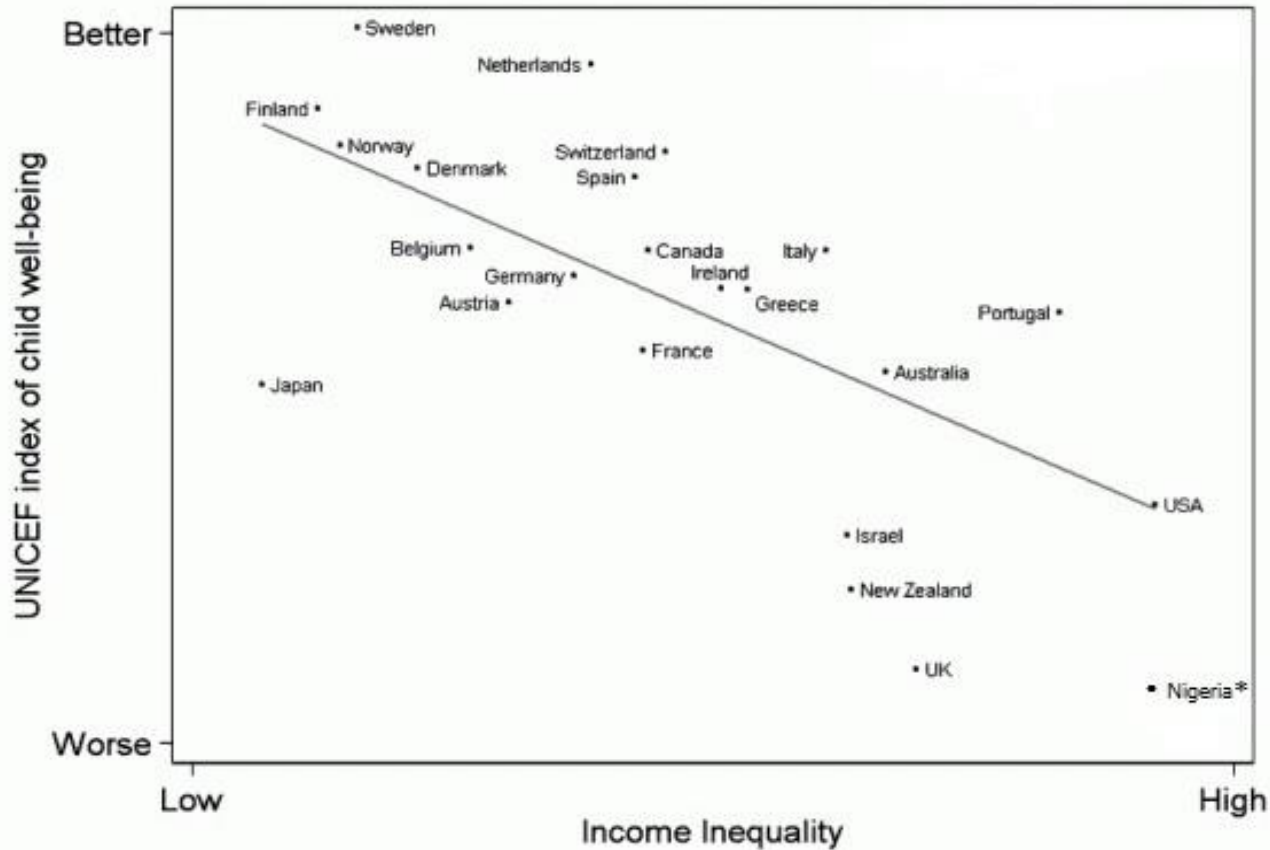
EBOLA

# Issues to coverage barriers

- ▶ Policy, legislation?
  - ▶ Governace?
  - ▶ Ignorance, knowledge, attitude, perception?
  - ▶ Poverty?
  - ▶ Inequality?,
  - ▶ Political economy( local &/or global)?,
- 



# Equity

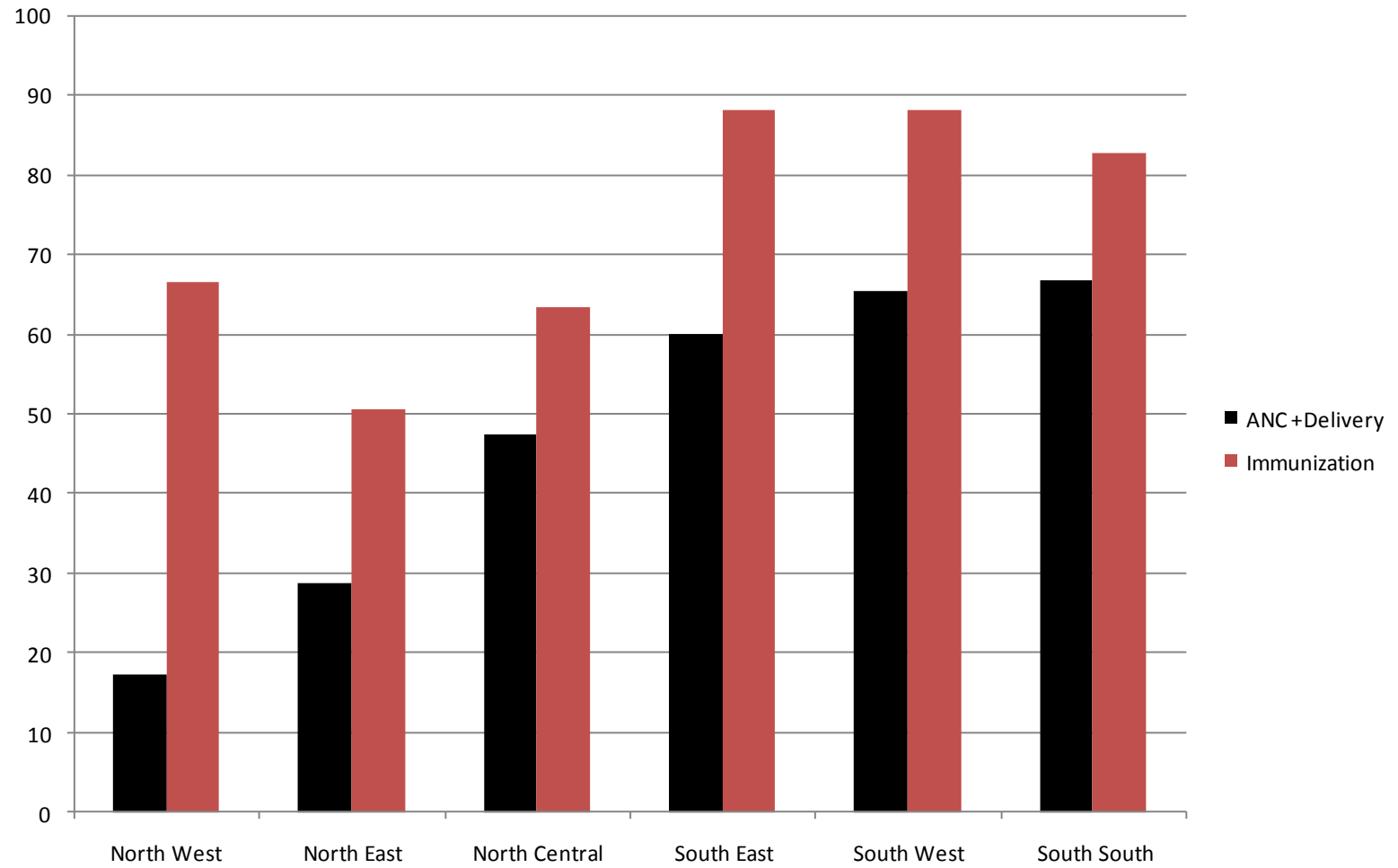


\* Nigeria's position is based on the authors understanding of the index and is not in anyway the position of the UNICEF or other sources

Source: <http://www.equalitytrust.org.uk/news/real-american-exceptionalism-our-lives-are-stressful-unhealthy-and-short>

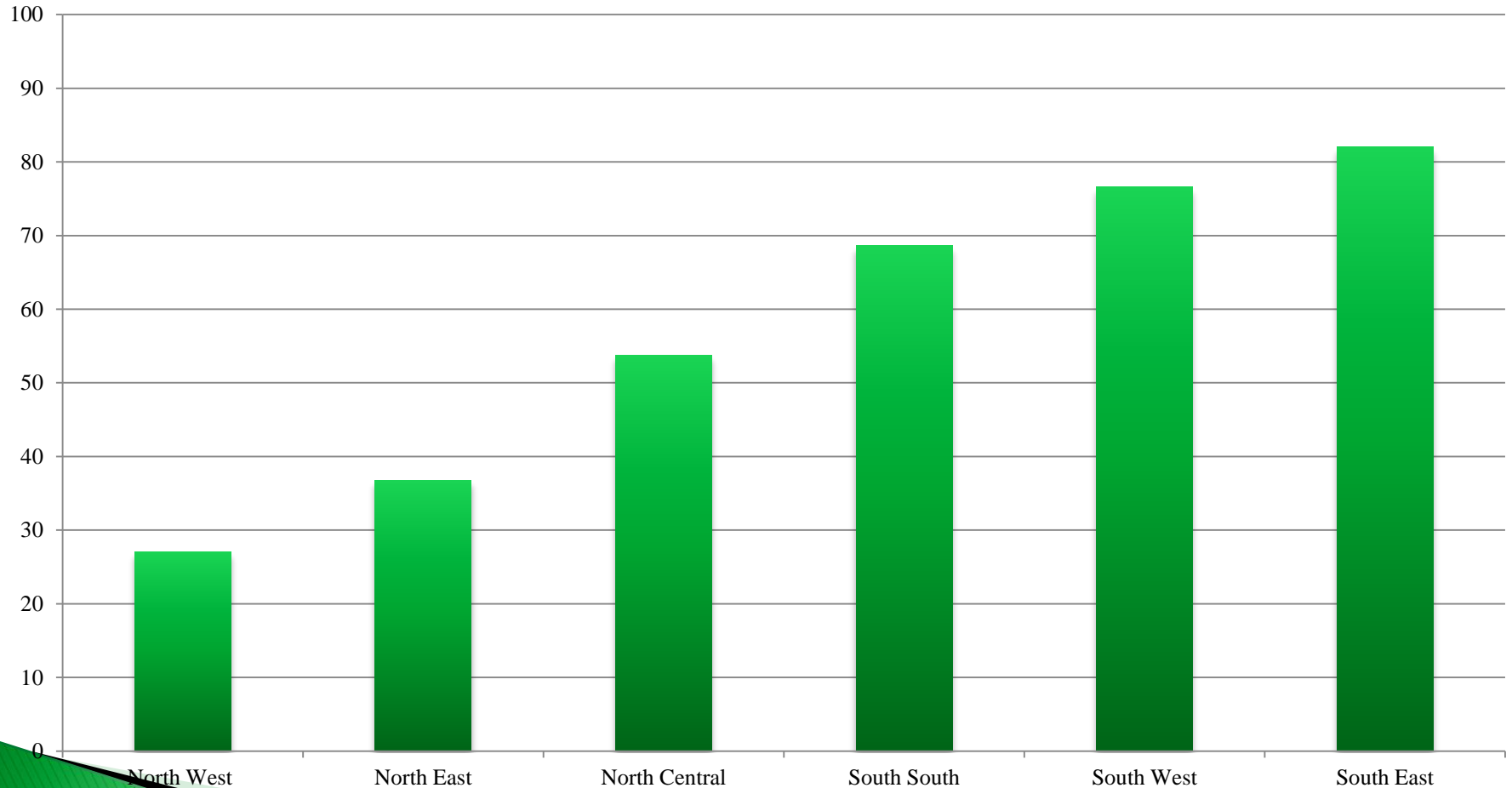


**% PHC health Facilities providing ANC+Delivery and Immunization Services by Zone**



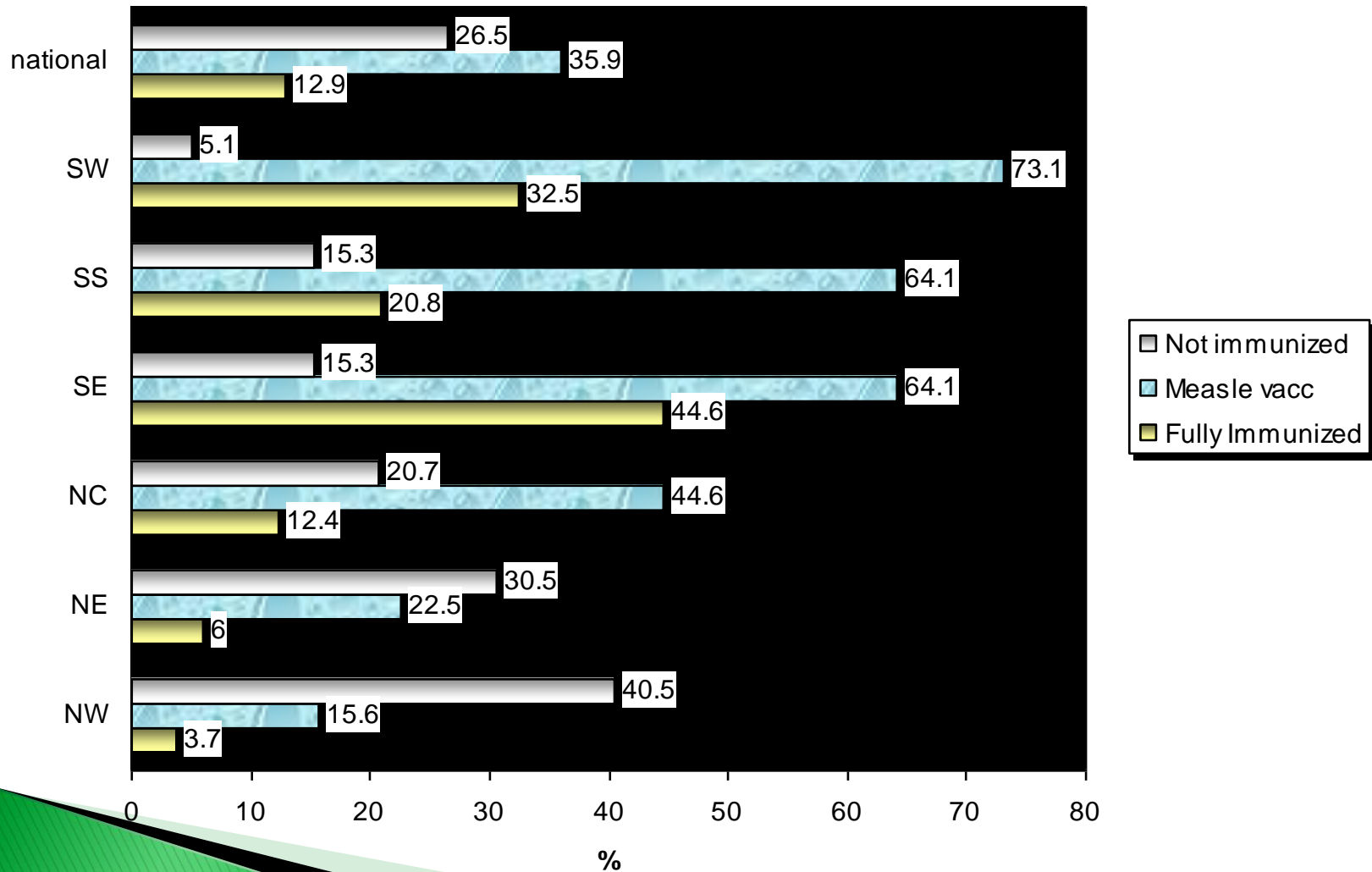
# Geographical Inequalities

## Inequalities in Coverage Rates by Political Zone



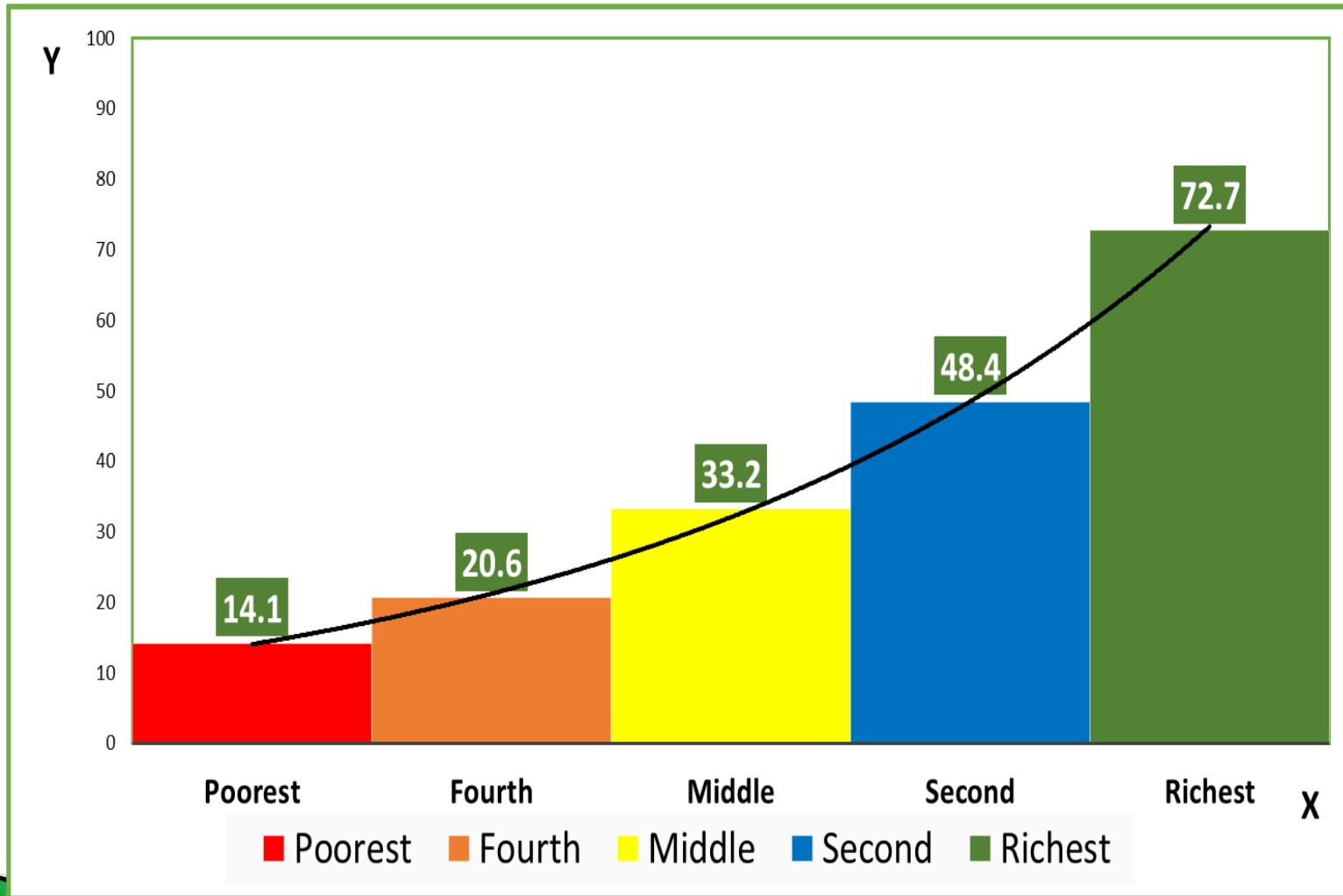
*Source: Nigeria Demographic and Health Survey  
2013*

# Inequity in Immunization coverage by zone



# Wealth Index Quintile

DPT3



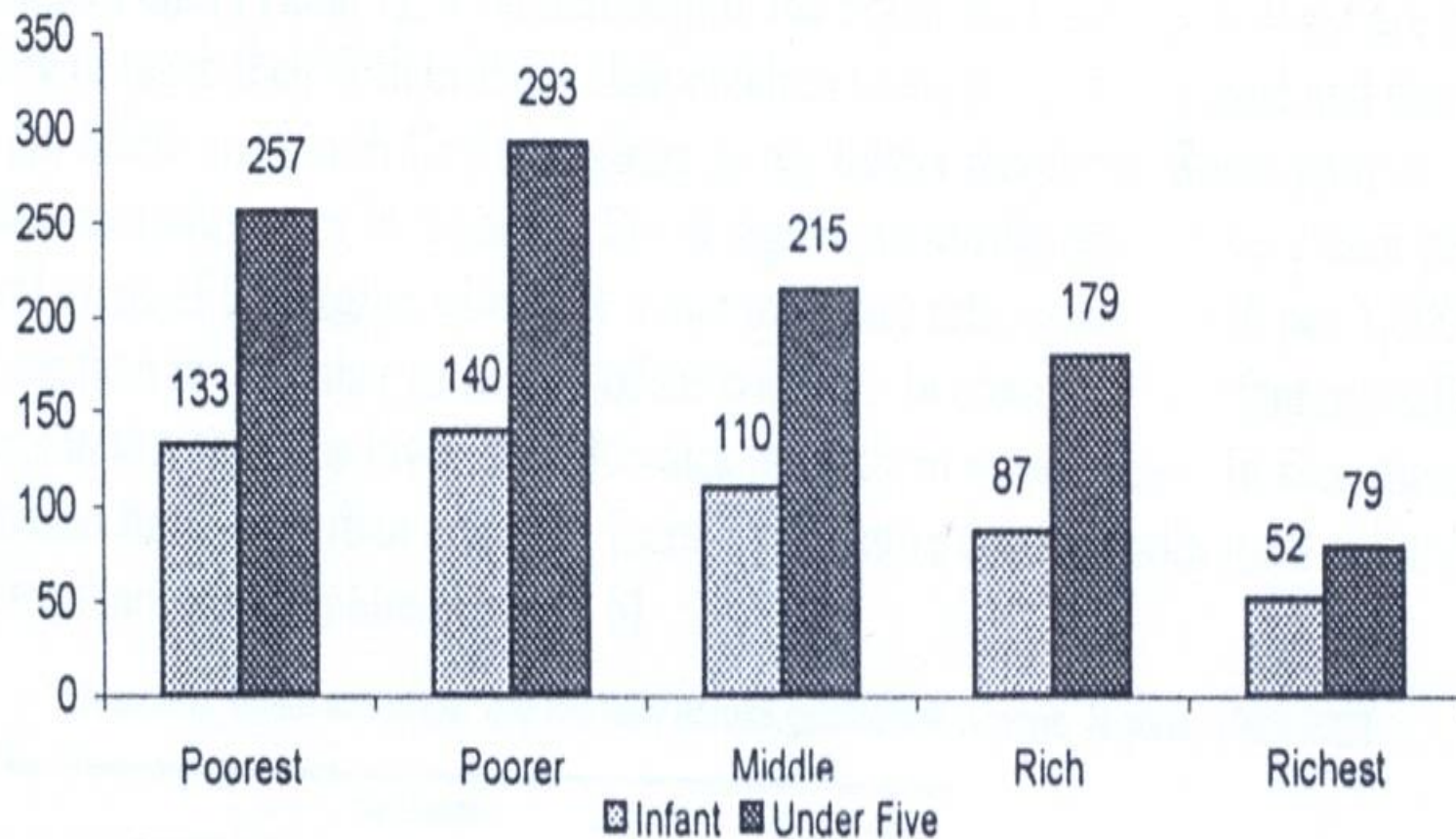
Source: National Demographic Health Survey 2013

Wednesday, September 24, 2014



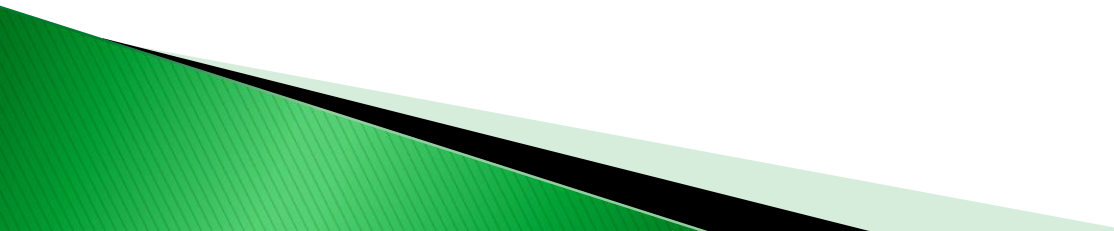
# Differences in child mortality by wealth

Figure 4. Infant and under five mortality across wealth quintiles, Nigeria, 1993-2003



Source: NDHS 2003

# Inequality in Vaccination

- ▶ Geographic Inequalities- Urban/Rural, Regional/States
  - ▶ Socio-economic Stratification
  - ▶ Gender
  - ▶ Lack of Education Awareness- Mother's Education, Lack of faith in western medicine, fear of adverse reactions etc.
  - ▶ Proximity to Immunization Centers
  - ▶ Lack of community outreach & sensitization
  - ▶ Lack of research
- 

# Legislations

- ▶ Human/Child rights laws, agreements & conventions
- ▶ Health in the 1999 constitution
- ▶ National Health Policy
- ▶ National Health bill
- ▶ States Primary Health Care development Agencies
- ▶ Etc, etc



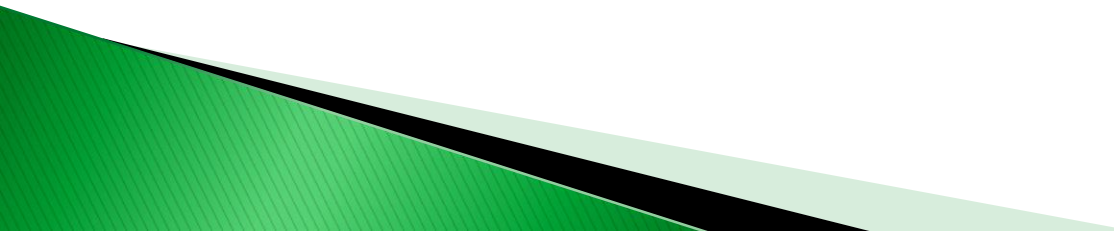
# Next Steps



- ▶ ?????
- ▶ Better understanding & knowledge...technical groups (EPIVAC & other opportunities)
- ▶ Greater participation by immunization stakeholders
- ▶ Stronger, more user-friendly, focused and unbiased advocacies
- ▶ Influence changes.....UP, UP there!!!
- ▶ More Models...?Gini,
- ▶ \*\*Correcting INEQUALITIES to achieve better/higher coverage



# Further/on-going works

- ▶ Deep dives into addressing inequities
  - ▶ Political & economic drivers of immunization in Nigeria
  - ▶ Addressing critical gaps in knowledge: maternal vaccination, adult vaccination, etc
  - ▶ **Your suggestions & further orientation will be extremely helpful**
- 

# Our Children,

- ▶ Need not continue to face gloomy future.....





..they want joy!





# Appreciating.....



- ▶ **Foundation Merieux:** (Sanofi Pasteur)
- ▶ **NPHCDA:** (D. Durojaiye, mni; M.Dangana; Buki Ekisola; Zubaida Abiola; C. Ega; Uzo Ogbonna; Adamu Yerima; Inuwa Yau)
- ▶ **Partners:**
- ▶ **NpopC,**
- ▶ **Nigeria Professor Clara Ejembi of ABU Zaria, Nigeria**
- ▶ **Conference enthusiastic audience**

▶ **THANK YOU ALL**