South Africa RSV WHO surveillance Pilot

Jocelyn Moyes and Florette Treurnicht
(NICD)
Center for Respiratory Diseases and Meningitis,
National Institute for Communicable Diseases,
Johannesburg, South Africa
Pneumonia surveillance sites, South Africa 2009 to 2017

Klerksdorp-Tshepong Hospitals

Mapulaneng and Matikwana hospitals

Rahima Moosa Mother and Child Hospital started 2013
Chris Hani Baragwanath Hospital (site close 2012)

Edendale hospital

Red Cross Memorial Childrens’ hospital, start 2013
Challenges

• Pneumonia surveillance database: data entry lag and verification process slow, leading to incomplete data for monthly uploads
  – 2018: back log of data entry for pneumonia programme should be complete
• Late to upload data and some difficulties upload data
• Protocol amendment for case definitions in adults delayed start
• Numbers of children insufficient at chosen site
  – Data draw from additional sites
• Numbers for adults predicted to be short for chosen sites
  – Will need to include additional sites next year
Laboratory

• Changes to Laboratory and Epidemiology database lead to delay in merging data
• Changes to reporting of subtyping in databases: slowed data entry
  – Database should be functioning better in 2018
• Changes to receiving of specimens, slowed process in laboratory
  – Should be better in 2018
• Challenges in procurement of reagents lead to delays in testing
  – Staff better able to anticipate ordering and flow of processes
• Only finalised RSV subtyping SOP in December 2017