Challenges:
- In country procurement and supply chain
- Programmatic
- Financial
- Supply

Long procurement lead times
- Delays in policy changes and decision making
  - In country supply chain constraints
  - Poor storage, distribution and inventory management

Irrational use

Changing malaria epidemiology

Uncertainty in case reporting and extrapolation methods

NMCP forecast uncertainty
Donor funding uncertainty
Scaling up of diagnostics

Uncertainty in ACT demand forecast

Grant disbursal timing uncertainty
Procurement initiation timing uncertainty
Delayed implementation

Supply constraints
- Stockouts
- Poor grant performance

Inaccurate demand signals for API and raw materials