Data Needs for Epidemic Control
The role of HIV Surveillance in the next 5 years

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Achieving epidemic control with the current global budget will require delivering the **Right Things** in the **Right Places** **Right Now**

Do we have the collective will?
Where will be in 5 years?

• Sustainable and cost-effective methods which measure HIV disease burden and impact at subnational levels and risk groups
  – HIV status (incident or chronic)
  – Immunologic
  – Virologic
  – Death
Current challenges

• HIV lives in a world between Ebola and Diabetes
  – Infectious disease
    • Sensitive system to detect where and among whom new infections are occurring
  – Chronic disease
    • Describe magnitude of the epidemic
    • Describe who is living with HIV, receiving quality services and died
HIV Estimates at Subnational Level

Lesotho: People Living with HIV (PLHIV), 2014

Community council-level people living with HIV PLHIV 15+ (quantiles)

- 556 - 1,737
- 1,738 - 2,642
- 2,643 - 3,564
- 3,565 - 68,918
- District boundary

Names and boundary representation are not necessarily authoritative

Source: UNAIDS

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Need Surveillance Systems to Indicate where Services are needed based on Burden
In Kenya, HIV-positivity from PMTCT sites is highly correlated with estimates that are modeled using data from population-based survey and antenatal care-based HIV surveillance.
Prioritization based on HIV Disease Burden and Target Populations
THANK YOU