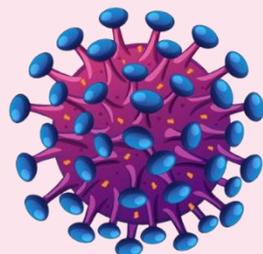
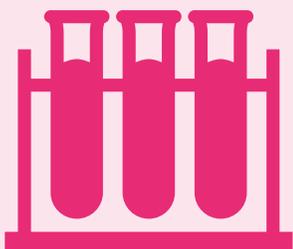


Point-of-care Creatinine-based eGFR (StatSensor®) for detecting kidney dysfunction in people living with HIV in Tanzania

Introduction



PLHIV in Tanzania
~10% CKD burden
~1/3 initiating ART get
creatinine test

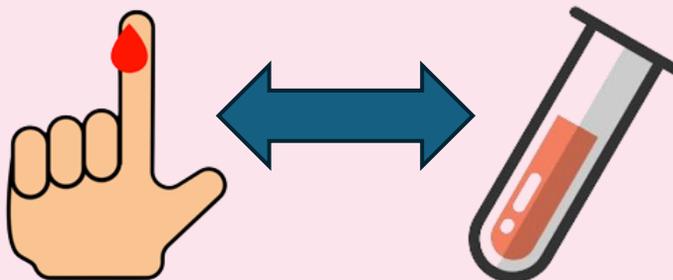


HIV

- ❖ Lab limitations in sub-Saharan Africa
- ❖ Need for POC testing

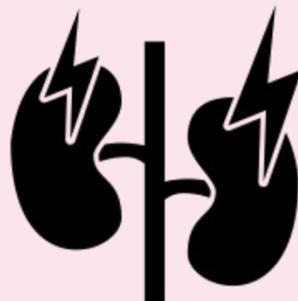
Methods

Creatinine Measurement



StatSensor®
[POC]

Lab (Jaffé method)
[Reference]

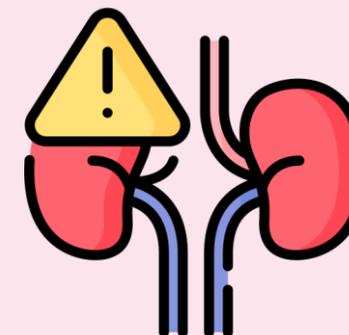


Kidney dysfunction
eGFR <60 ml/min

Results



- N = 358
- Median age 48 yrs



KD prevalence
15.6%



- Sensitivity 92.9%
- Specificity 94.7%
- Accuracy 94.4%

Strong agreement with reference
(Kappa = 0.805, p < 0.001)

Conclusion: StatSensor® POC creatinine testing demonstrates high accuracy for detecting kidney dysfunction among PLHIV. This approach may enable rapid, decentralized kidney screening in resource-limited HIV programs across sub-Saharan Africa

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