

S1 Table 1. Assumptions and data sources for centralized laboratory tests and individual cost components of POC tests

Cost Component	Assumptions	Data Source
Medical Consumables	Includes non-reusable items required to collect blood samples from patients. Excludes sharps/waste containers, toner, and paper, as these costs were negligible.	Organization's invoices
POC Test Supplies	Includes POC creatinine test strips and POC HIV VL and POC CD4 count test cartridges. Prices include an NGO discount.	Quotes from medical supply companies
POC Instrument Costs	Uses prices available to NGOs. Each instrument was assumed to have a 5-year lifetime. Required lab space was estimated, and cost calculated from standard commercial floor space value. Assumes clinic already has stable electricity access and backup.	Quotes from companies, excluding centrifuge and refrigerator: estimated based on quotes from various suppliers
POC Recurrent Costs	Includes maintenance and QC materials. Electricity costs and waste per test was assumed to be negligible towards total cost.	Quotes from companies
Personnel	Calculated as time spent directly participating in obtaining sample or performing test.	Calculated from government sources, direct observation of activities, and staff interviews
Centralized Tests	Based on NHLS quoted prices and assumed to include overhead, transportation costs, staff costs, etc.	NHLS 2017 price list quotes from a local private sector laboratory