



# PUBLIC HEALTH LABORATORIES ARE KEY TO AN HIV-FREE GENERATION

PEPFAR Support for Global Laboratory Systems Is Essential To Meet 95-95-95 Goals

National public health laboratory systems are a critical component of the US President's Emergency Plan for AIDS Relief (PEPFAR), which strives to control and reduce the spread of HIV, by providing the foundation on which all treatment and intervention is based. Laboratory testing supports all three 95-95-95 goals for an HIV/AIDS free generation by 2030.

**95%** of people living with HIV are **AWARE OF THEIR STATUS**

**95%** of people who know their status **ACCESS TREATMENT**

**95%** of people on treatment are **VIRALLY SUPPRESSED**

## HOW DO PUBLIC HEALTH LABORATORIES GET US THERE?

## CDC PEPFAR IN ACTION



### Proper Sample Collection

- Sample contamination is decreased, reducing invalid results and the need for patients to return for recollection
- Public health workers are safer



### Reliable Sample Transport

- Samples take less time to arrive from a clinic, so they are tested sooner
- Access to testing is expanded into remote areas



### Accurate Test Results

- Fewer patients are started on unneeded treatment
- Confidence in testing results and trust in the overall healthcare system is improved



### Electronic Transmission of Results

- User error is reduced
- Results are returned to clinicians in real time, decreasing lapses in patient care



### Ongoing Viral Load Testing

- Risk of further HIV transmission is reduced, as successful treatment leads to undetectable viral load levels
- Treatment regimens can be improved with modifications

Zimbabwe now manages a robust specimen transport system that ensures samples are taken quickly and safely from remote clinics to regional public health laboratories. Turn-around times for results have dramatically improved.

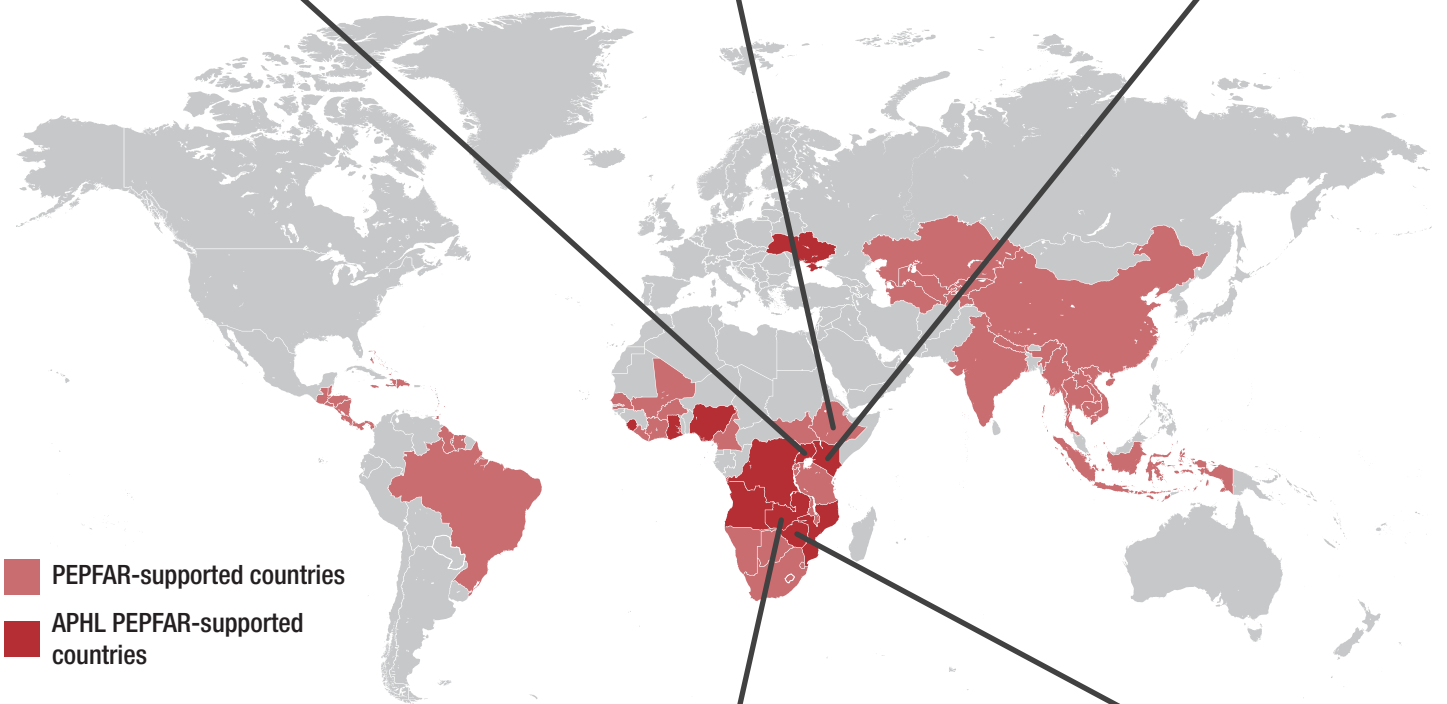
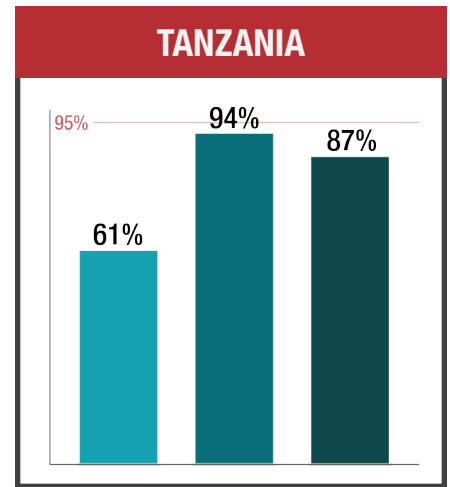
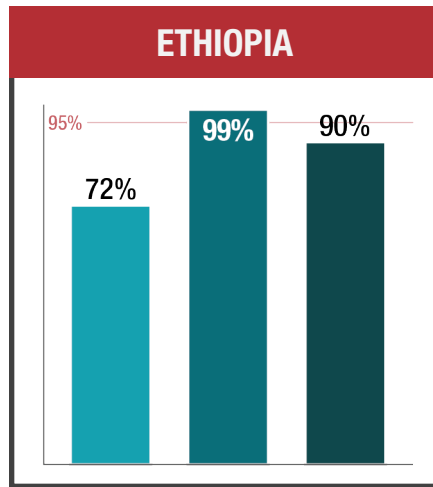
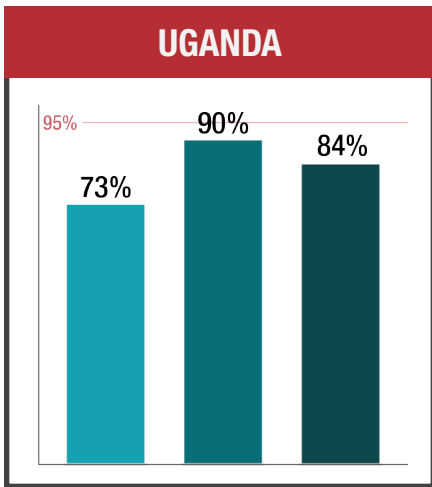
In Mozambique, over 150 testing sites and 500 health facilities have been connected by an electronic tracking system. Samples are scanned upon arrival at the lab so they can be tracked through the testing process and testing results are automatically logged. When testing is complete, clinicians can access the results electronically so informed treatment plans can be made.

Of the \$6.56 billion that was appropriated for PEPFAR in Fiscal Year 2018

**ONLY 2%**

(\$128 million) was transferred to CDC to support laboratory activities.

# INCREASED FUNDING FOR PEPFAR LAB PROGRAMS WILL HELP US REACH THE 95-95-95 GOALS



These charts illustrate the progress of five PEPFAR-funded countries toward the 95-95-95 goals as of 2018,\* representing adults aged 15-64 in urban areas living with HIV who are:

- **Diagnosed**
- **On Treatment**
- **Virally Suppressed**

\*Retrieved from [phia.icap.columbia.edu/countries-overview/](http://phia.icap.columbia.edu/countries-overview/)

