USAID GLOBAL HEALTH SUPPLY CHAIN PROGRAM Procurement and Supply Management

ENSURING BIOSECURITY AND BIOSAFETY.

The transportation of biological specimens across laboratory networks is critical especially during a public health emergency like COVID-19. As the virus spreads in Nigeria, health facilities in the Federal Capital Territory - where the third highest number of cases emerged (as at mid-May 2020) began refusing HIV and tuberculosis (TB) sample processing for fear of contracting COVID-19, while also reducing their operational hours.

THE ROLE OF NISRN. First

established in 2018 by the Nigeria Ministry of Health, the National Integrated Specimen Referral Network (NiSRN) is designed to increase access to laboratory testing through safe and secure specimen transport by privatesector third-party logistics (3PL) providers. With the rise of COVID-19, GHSC-PSM ensured NiSRN continued programmatic implementation while meeting biosecurity and biosafety standards.





SUSTAINING THE GAINS OF THE SPECIMEN REFERRAL NETWORK PROGRAM DURING THE COVID-19 PANDEMIC THROUGH VMMHS IN FEDERAL CAPITAL TERRITORY (FCT), ABUJA NIGERIA

AUTHORS: OLUMIDE FAITH AJANI^I, MARY AMEH, JIRU YOILA BAKO, THEOPHILUS FARUNA (PHD) **PRESENTING AUTHOR**

MAINTAINING ACCESS TO LABORATORY TESTING.

Between March and April 2020, GHSC-PSM deployed a five-pronged safety and health approach for project, health facility and 3PL staff:

Virtual Meetings Mask-up Mentoring Personal-Hygiene Social Distancing

VMMHS **STRATEGY**

Following implementation, GHSC-PSM carried out a comparative analysis of two periods – December 2019-January 2020 and March-April 2020 – to measure the impact of the VMMHS strategy on NiSRN.

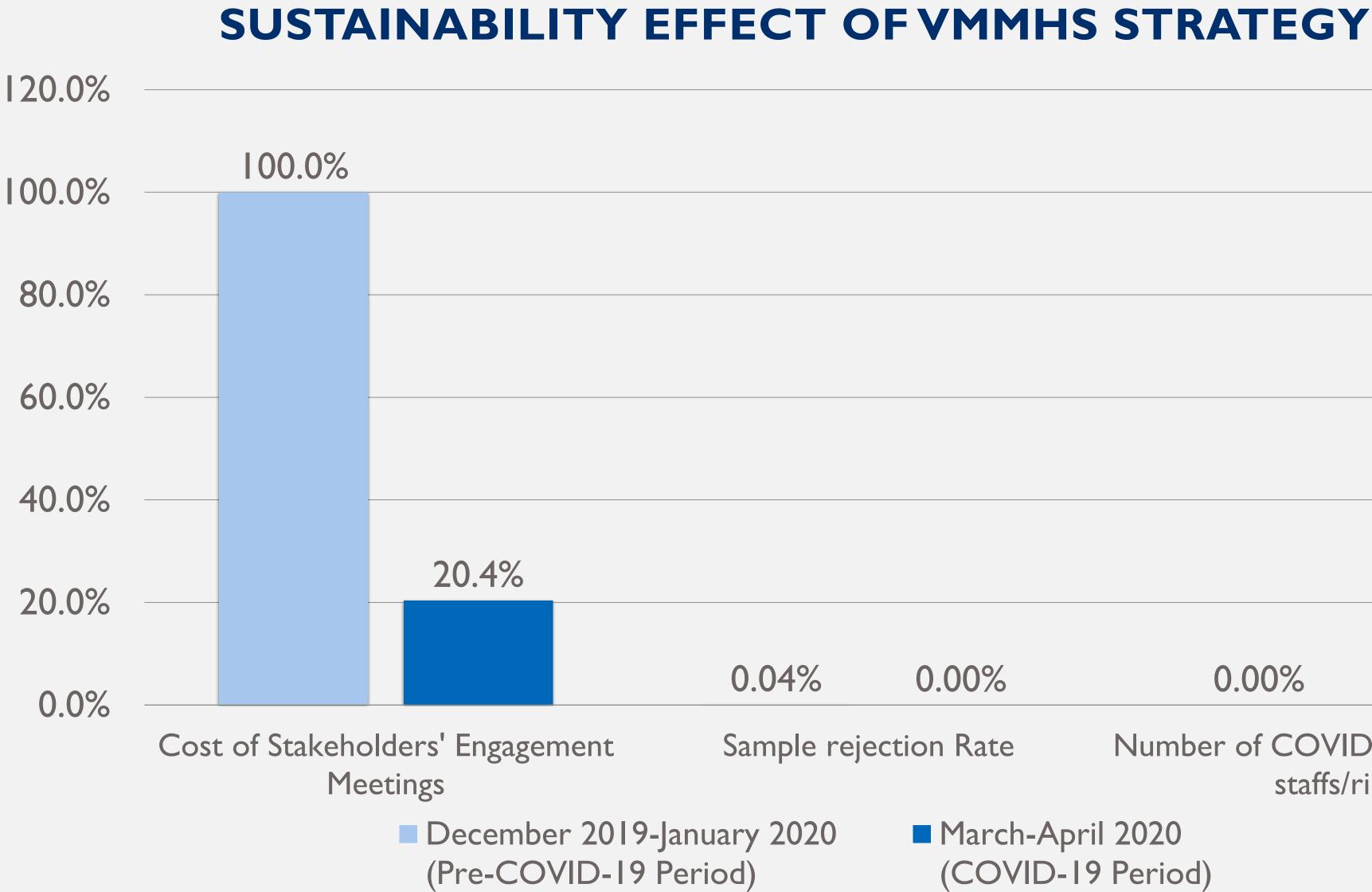


HIV samples transported by motorbike in Nigeria. Photo credit: GHSC-PSM/Anthony Abu



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RESULTS. The VMMHS strategy reduced operational cost of stakeholder engagement meetings to 20.4% of its original pre-COVID-19 cost. Additionally, sample rejection rate dropped from 0.04% to 0%. Lastly, 3PL staff reported zero COVID-19 infections despite working in high-risk circumstances.



EXPANDING NISRN FOR COVID-19. Prior to COVID-19, NiSRN demonstrated safe and reliable HIV and TB specimen transportation. With the onset of the pandemic and early adoption of the VMMHS strategy, cost effectiveness and efficiency was achieved while simultaneously minimizing the risk of staff exposure to COVID-19. As a result, NiSRN can be expanded for COVID-19 specimen transport.



0.00%

0.00%

Number of COVID 19 Infected 3PL staffs/riders

March-April 2020 (COVID-19 Period)

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