CDC Support towards HIV Programming in Uganda

Rakai Health Sciences Program, Uganda 30+ Anniversary Celebration 24 September 2019



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Outline

- CDC Uganda background
- CDC's role in PEPFAR
- Unique contributions
- Implementation science
- Way forward

CDC Uganda

- Activities started in 1991
 - Field Epidemiology
 Training Program (FETP)
 at Makerere University
- Country Director in 1999
- CDC funding to Uganda health sector exceeds \$2 billion



Current Staff: 126 (110 Ugandan staff; 16 Direct Hires)

FY19 Budget: \$192.5 million (94% Extramural; 3% Non-PEPFAR)

Critical Pillars of Focus for CDC

WHAT WE DO

CDC has more than 70 years of public health excellence, a record of trail blazing science, and evidence-based decision making. Led by the world's experts in disease detection, outbreak investigation, laboratory systems and emergency response, CDC provides critical services to keep Americans safe, healthy, and secure.



LABORATORY EXPERTISE

Our labs have developed gold standard tests used during emergencies, and serve as reference centers across the globe



PUBLIC HEALTH SURVEILLANCE

We track and monitor diseases to stop and eliminate their spread



WORKFORCE DEVELOPMENT

We build in-country public health preparedness, including training a ready global workforce



EMERGENCY OPERATIONS

We provide expertise to other nations to develop emergency operations centers and stop outbreaks faster



REAL TIME EVALUATION AND RESEARCH

We conduct on-the-ground evaluation of what works to optimize life-saving programs and services

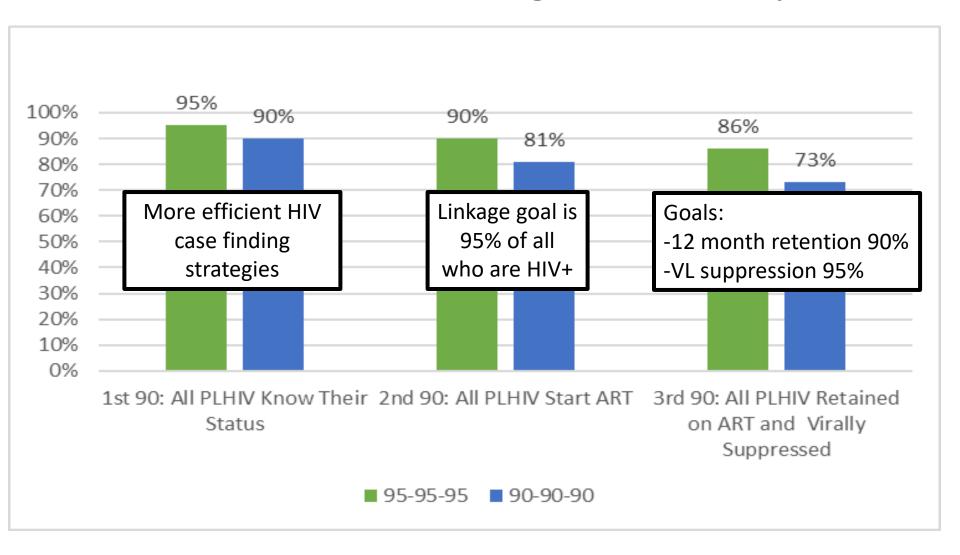
Public health programs and service delivery

PEPFAR--HIV

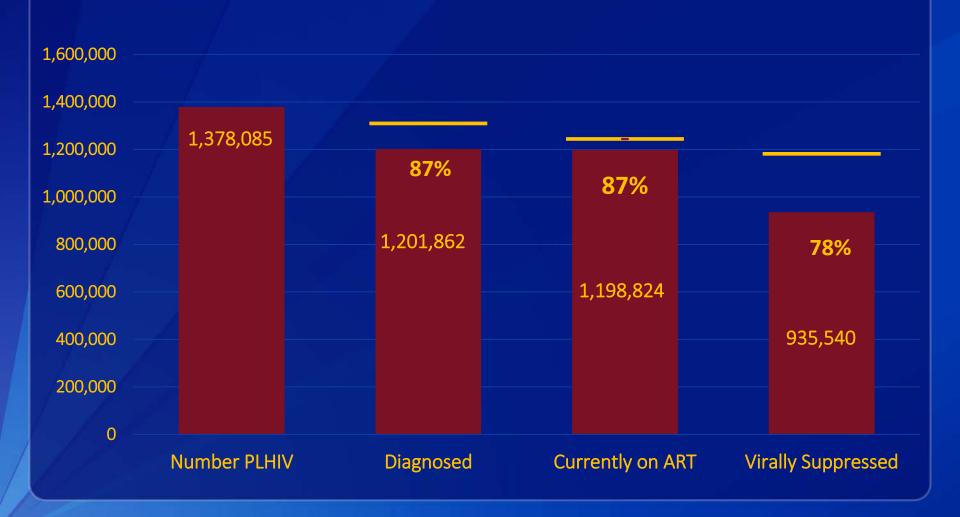




Uganda Approaches HIV Epidemic Control and Meeting 95-95-95 by 2020



Uganda Is Closing in on 95-95-95 (June, 2019)



Summary FY19 Key Indicators – by Agency

Funding					FY19 Cum.		
Agency	Indicator	FY19 Q1	FY19 Q2	FY19Q3	Results	FY19 Target	FY19 %
CDC	HTS_TST	1,245,772	1,075,221	993,915	3,314,908	2,190,418	151%
	HTS_TST_POS	38,049	42,321	31,616	111,986	74,400	151%
	TX_NEW	28,429	28,691	25,546	82,666	69,533	119%
	TX_CURR	627,664	616,326	624,035	624,035	695,474	90%
	VMMC_CIRC	70,816	105,327	83,979	260,122	343,431	76%
USAID	HTS_TST	773,411	707,469	690,924	2,171,804	1,662,374	131%
	HTS_TST_POS	19,514	20,398	17,940	57,852	50,578	114%
	TX_NEW	15,712	16,284	15,415	47,411	46,431	102%
	TX_CURR	399,737	408,832	415,233	415,233	477,126	87%
	VMMC_CIRC	62,014	74,092	99,761	235,867	342,199	69%
DOD	HTS_TST	130,823	111,625	123,991	366,439	283,726	129%
	HTS_TST_POS	4,150	5,119	4,045	13,314	9,870	135%
	TX_NEW	2,680	3,097	3,043	8,820	9,167	96%
	TX_CURR	63,854	65,923	68,327	68,327	87,574	78%
	VMMC_CIRC	11,373	10,071	28,155	49,599	70,826	70%
STATE	HTS_TST	19,985	10,471	14,773	45,229	29,352	154%
	HTS_TST_POS	265	254	325	844	990	85%
	TX_NEW	268	285	281	834	1,259	66%
	TX_CURR	6,524	6,285	6,806	6,806	8,149	84%
	VMMC_CIRC	4,975	0	530	5,505	0	



Priorities for PEPFAR 2019

- Use of local (indigenous) partners
- Index testing for HIV case finding (assisted partner notification)
- Recency testing to rapidly identify new HIV cases
- Adolescent girls and young women (DREAMS)
- Better antiretroviral regimens (dolutegravir-containing, lopinavir/ritonavir)
- TB preventive therapy (TPT)
- Differentiated service delivery and patient-centered approaches
- Strong interoperable data systems: electronic medical records, unique identifiers, case-based surveillance

PEPFAR: Highlights of CDC Support

- Comprehensive support to service delivery for HIV prevention, care, and treatment
- Supporting evidence generation and leadership on strategic information and surveillance
- Providing leadership on laboratory systems
- Support for implementation science and innovative programs
- Providing direct support to government and other Ugandan institutions

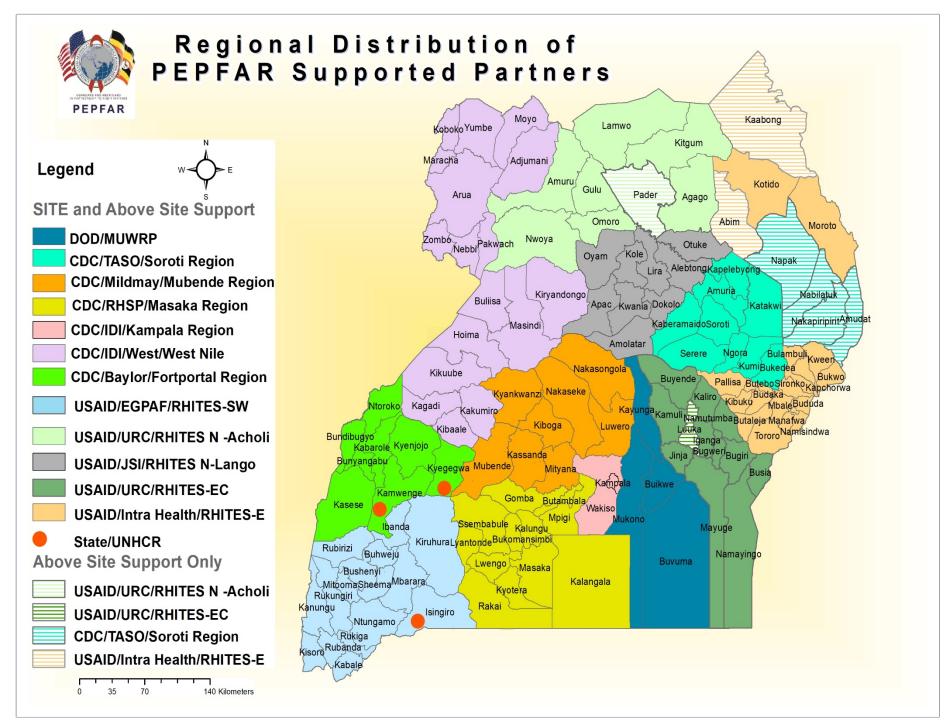
CDC Funds Ugandan Partners

Government entities

- Ministry of Health
- Uganda Virus Research Institute (UVRI)
- Uganda National Health Laboratory Services (UNHLS)
- Makerere University School of Public Health
- Uganda Prison Service (UPS)

Other Ugandan institutions

- Infectious Diseases Institute (IDI)
- The AIDS Support Organization (TASO)
- Mildmay Uganda
- Rakai Health Sciences Program (RHSP)
- Baylor Uganda
- Medical Access Uganda (MAUL)
- African Field Epidemiology Network (AFENET)



CDC Supports Data Generation to Drive Programs

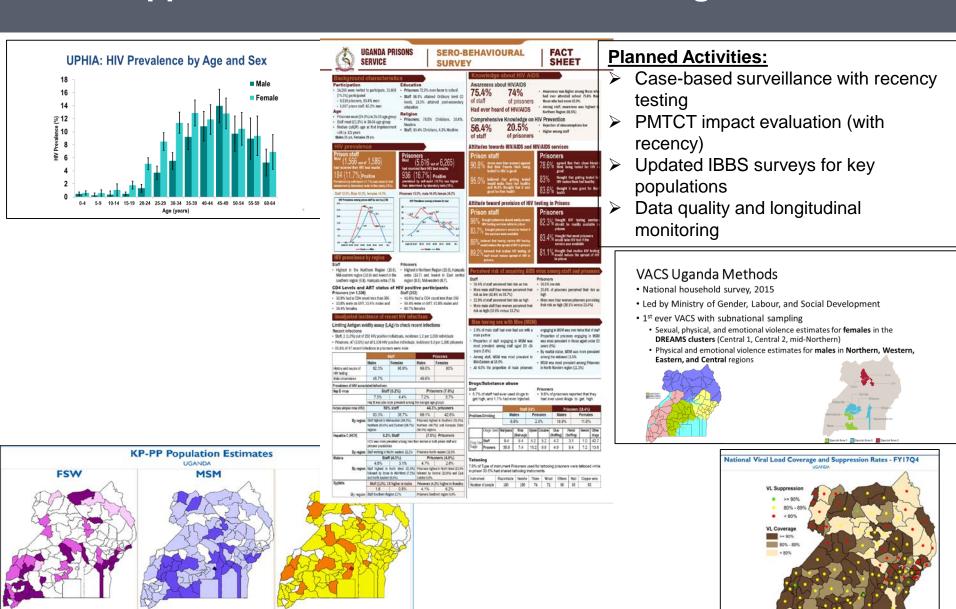
1 - 211 (5)

255 - 591 (17)

43 - 433 (68)

19 - 980 (81)

1072 - 3295 (12)



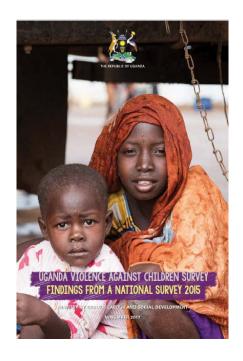
Violence Against Children Survey (VACS) 2015 informs Violence Against Children response

Uganda goal: All Ugandan children are empowered to live in an environment free of all forms of violence

Uganda fast tracks INSPIRE

(Implementation of laws, Norms and values, Safe Environments, Income and economics; Parenting, Response and Education)

- Draft Uganda Comprehensive Children's Policy & action plan prioritizes
 INSPIRE strategies (Launch 11 October, International day of girl child)
- Government-led Child Help Line with 30 district action centers
 - 9 CDC supported District Action Centers: catalyzing real time response
- USG implementing INSPIRE strategies through DREAMS/OVC
- USG supporting GOU to improve service delivery
 - Harmonize violence screening for children
 - Community campaign to seek services, Every Hour Matters
- CDC supported \$1m INSPIRE initiative in Mityana
 - Hosting 1st INSPIRE Jamboree June 24-26, Kampala (Advancing evidence-based action to end violence against children)



Sexual Violence Girls **35**%, Boys

17%

Told someoneGirls **53**%, Boys **57**%

Sought servicesGirls **10**%, Boys **6**%

Received services
Girls 8%, Boys 5%

CDC's Science & Innovation to Direct Adolescent Girl and Young Women (AGYW) Programming

• Epidemiology: Guide investment on where, who, targets



- Surveys and surveillance: VACS, PHIA, Case based surveillance, recency testing
- Program evaluations to measure impact, identify optimal intervention mix

Systems: Monitoring beneficiaries



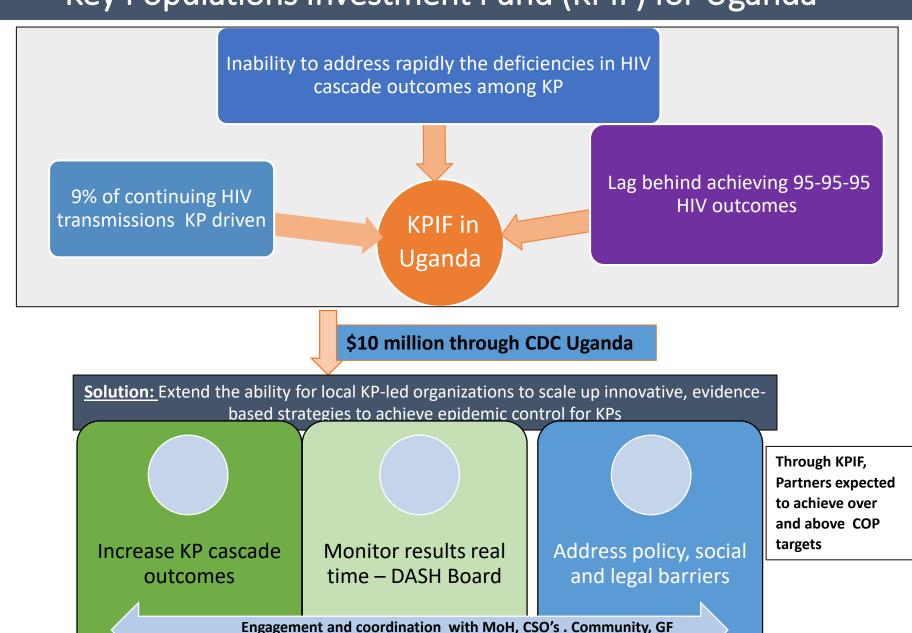
Innovate: Develop prevention calculator, Early warning index (VAC)



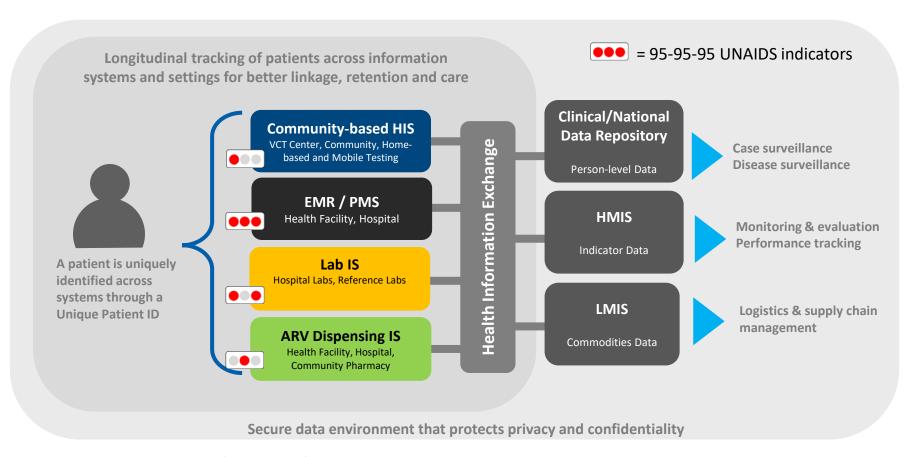


- Develop implementation guidance, data to influence policy and scale-up
- Partnerships: Government, community and other key stakeholders

Key Populations Investment Fund (KPIF) for Uganda



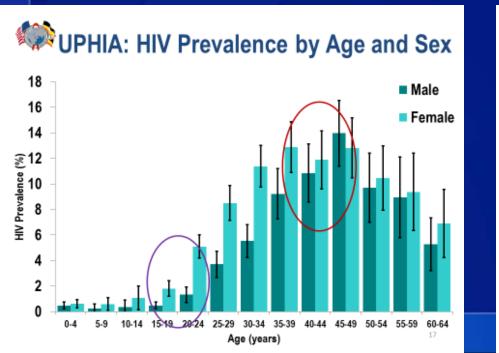
Key Priorities for Information Systems



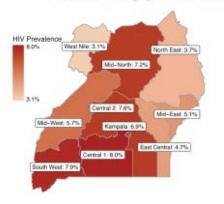
LEGEND: ID=identifier, HIS=Health Information System, VCT=Voluntary Counselling and Testing, EMR=Electronic Medical Record, PMS=Patient Monitoring System, IS=Information System, HMIS=Health Management Information System, LMIS=Logistics Management Information System, red and grey dots=95-95-95

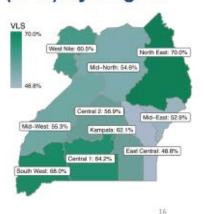
Implementation Science Summary: Surveys and Surveillance

- Uganda Population-Based HIV Impact Assessment (UPHIA)
- Recency/HIV Case-Based Surveillance
- Birth Defects Surveillance (MUJHU)
- Integrated Bio-Behavioral Surveys (IBBS) for key populations
- HIV drug resistance (UVRI and AIDS Control Program)



UPHIA 2017: Adult HIV Prevalence and Viral Load Suppression (VLS) by Region





Source: UPHIA 2017

Implementation Science Summary: Studies

- PATEST (EGPAF) Developing and validating a pediatric and adolescent HIV testing eligibility screening tool for health care providers in Uganda
- ➤ FASTER (CRS) Caregiver-assisted oral fluid based HIV screening in children: estimation of acceptability, feasibility and effectiveness linked to index testing services in Uganda
- > RAPID-VL Study (UCSF-IDRC) Optimizing HIV viral load monitoring and outcomes for high risk populations
- Community TB project (Baylor) A household- and family-centered approach to improve case finding, diagnosis, and linkage to treatment for TB and HIV in Uganda
- Kalangala ART-DSDM (IDI) Impact of a community-facility case management intervention on retention in HIV Care among HIV-Infected individuals initiating antiretroviral therapy in a Test and Start model

Implementation Science Summary

- Regional comprehensive program evaluation protocols for all CDC Implementing Partners
- Rakai: Combination HIV Prevention Impact Evaluation
- Rakai: PMTCT Impact Evaluation: Evaluation of the Impact of the National Program for Prevention of Mother-to-Child Transmission of HIV (PMTCT) in Uganda
- DREAMS Evaluation
- Evaluation of the Uganda National Health Laboratory Hub and Sample Transport Network
- HIV&TB-focused Public Health Fellowship projects

Conclusions

- Uganda benefits from comprehensive and strong PEPFARsupported program and is approaching HIV epidemic control
 - CDC plays a leadership role in key aspects of the PEPFAR program and the HIV response in Uganda
- Many opportunities to translate research findings into program implementation
 - Plan to convene planning consultation



Mweebale Nnyo!

Asante sana!

Thank You!

For more information please contact Centers for Disease Control and Prevention

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The findings and conclusions in this report are those of the authors and do not necessarily represent the official position of the Centers for Disease Control and Prevention.

