#### **United States Department of State**



Washington, D.C. 20520

**UNCLASSIFIED** 

28 May 2021

#### MEMO FOR U.S. AMBASSADOR STEPHANIE SULLIVAN, WEST AFRICA REGION

SUBJECT: PEPFAR West Africa Regional Operational Plan 2021 Approval

This memo represents the successful completion of the PEPFAR West Africa Regional Operational Plan (ROP) 2021 planning, development, and submission. PEPFAR's West Africa Region, together with governmental, civil society, and multilateral partners, has planned and submitted a ROP 2021 in alignment with the directives from the ROP 2021 planning letter, data-driven decisions made during the in-country retreat, and agreements made during the planning meeting.

This memo serves as the approval for the PEPFAR West Africa Regional Operational Plan (ROP) 2021 with a total approved budget of \$83,179,912, including all initiatives and applied pipeline, to achieve the targets and outcomes as listed in this memo and all appendices. The total budget is reflective of the following programming:

	New Funding (All Accounts)	Pipeline	Total Budget FY 2022 Implementation	
TOTAL	79,129,297	4,050,615	83,179,912	
Bilateral	78,229,297	4,050,615	82,279,912	
Central	900,000	-	900,000	

The total FY 2022 outlay for ROP 2021 implementation shall not exceed the total approved ROP 2021 budget of \$83,179,912 without additional written approval. Any prior year funds that are not included within this ROP 2021 budget and documented within this memo, its appendices and official PEPFAR data systems are not to be made available for execution and outlay during FY 2022 without additional written approval. The new FY 2021 funding and prior year funds approved within this memo as a part of the total ROP 2021 budget are allocated to achieve specific results, outcomes and impacts as approved. All requested Operational Plan Updates and shifting of funds – either between mechanisms and partners, or to add additional funding to mechanisms and partners for execution in FY 2022 – must be submitted to and approved by S/GAC.

Approved funding will be made available to agencies for allocation to country platform to implement ROP 2021 programming and priorities as outlined below and in the appendix.

#### **Background**

This approval is based upon: the discussions that occurred between the country teams, agency headquarters, S/GAC, local and global stakeholders and partners during the April 21-22, 2021 virtual planning meetings and participants in the virtual approval meeting; the final ROP 2021 submission, including all data submitted via official PEPFAR systems or within supplemental documents.

#### **Program Summary**

Funding and targets for the West Africa Region's ROP 2021 are approved to support PEPFAR West Africa Region's vision to work toward epidemic control in eight countries (Benin, Burkina Faso, Ghana, Liberia, Mali, Senegal, Sierra Leone, and Togo) by targeting testing to efficiently identify people living with HIV (PLHIV), ensuring all newly diagnosed PLHIV are immediately linked to treatment, and that PLHIV are retained on treatment and remain virally suppressed. In ROP21, PEPFAR's West Africa Region will work to attain above 90-90-90 at the national level in Burkina Faso, Togo, and Benin; achieve 95-95-95 in the Western, Western North, and Ahafo Regions of Ghana; and accelerate progress toward epidemic control in Senegal, Liberia, Mali, and Sierra Leone, particularly among key populations. Across the eight countries, PEPFAR's West Africa Region plans to enroll an additional 35,767 PLHIV on lifesaving antiretroviral therapy (ART) in FY 2022, with 234,121 total PLHIV retained on treatment across the region. Additionally, PEPFAR's West Africa Region will work to strengthen viral load testing access and capacity across the eight countries, ensuring that 213,436 PLHIV are virally suppressed and receive a documented test result.

The West Africa Regional PEPFAR strategy for programming to be implemented in FY 2022 will focus on accelerating the identification and linkage to treatment of PLHIV, improving continuity of treatment for newly enrolled and current patients, completing the full transition to DTG-based regimens (including for pediatrics), and optimizing the viral load referral network throughout the eight countries in the region. The West Africa Region will improve case identification, continuity of treatment, and viral suppression by expanding access to patient-centered strategies, including expanded access to self-testing, enhanced case-management through dedicated case managers, peer-to-peer support through trained peer navigators, and continued efforts to accelerate multi-month dispensing (MMD) of up to 6 months. Enhanced community-led, site-level monitoring will be key to tracking and, when necessary, improving the quality of services that PLHIV receive at sites throughout the region, thereby improving continuity of treatment and viral suppression. In addition, the West Africa Region will continue to improve partner management through improved data use to sustain gains and improve continuity of treatment in ROP21.

At the above-site level, PEPFAR's West Africa Region will continue to advocate for full implementation of key policies at the national level, such as test-and-start, index testing and partner notification, differentiated service delivery models, use of unique identifiers for patient tracking systems, and elimination of all formal and informal user fees for HIV-related services. Stigma and discrimination reduction activities for KP and PLHIV will also be implemented to further remove barriers to services. PEPFAR's West Africa Region will also continue to address systems weaknesses in supply chain (including completion of TLD transition and removal of all nevirapine-based regimens for adults and pediatrics in all eight countries), improve laboratory

management, optimize the viral load testing network, and enhance monitoring and evaluation practices in ROP21. Technical assistance (TA) to implement oral pre-exposure prophylaxis (PrEP) will be provided in all eight countries. Working in close collaboration with government and other stakeholders, all interventions will be aligned with the eight countries' respective National HIV Strategic Plans; grants from the Global Fund to Fight AIDS, Tuberculosis and Malaria; the UNAIDS 95-95-95 goals; WHO guidelines; and global best practices.

During ROP 2021, PEPFAR's West Africa Region will continue to support high-burden, highyield regions within each of the eight countries while providing TA to the overall national HIV/AIDS programs. In ROP21, Benin will be added to the region, bringing lessons-learned from the highly successful Burkina Faso and Togo programs to strengthen the national program and accelerate progress toward epidemic control in Benin, with programmatic implementation in four southern regions and policy and supply-chain improvements at the national level. The Ghana program will focus on attaining the 95-95-95 targets in the Western Region and implementing those successful practices to achieve 90-90-90 in the Western North and Ahafo Regions, while providing TA to improve supply chain, viral load capacity, national HIV data systems, and the policy environment at the national level. Togo and Burkina Faso will accelerate testing, continuity of treatment, and viral load capacity-building to make progress toward 95-95-95 at the national level in both countries; both countries will also expand to one additional region relative to ROP20. Mali will continue its approach of expanded key population (KP) focus, including partners and families of KPs and other select groups; accelerate uptake of PrEP; improve viral load access and capacity; and increase testing to improve the first 95 (which currently stands at around 64%). Senegal will maintain its ROP20 geographic footprint and continue to enhance client-focused approaches such as peer navigators and case managers, and improve testing yields by testing partners and children of PLHIV. In ROP21, Liberia will transition out of Maryland County while adding Nimba County, continue to expand index testing to priority populations and their partners, strengthen early infant diagnosis (EID) platforms, and scale up continuity of treatment campaigns such as undetectable = untransmittable (U=U) messaging. Sierra Leone will expand its geographic footprint around the capital/western regions of the country and provide TA across the full treatment cascade in high-burden facilities, prioritize outreach to KPs (primarily female sex workers), improve clinical quality, implement PrEP among KPs, and work to enhance data use for supply-chain quantification. CDC will begin support to Sierra Leone to provide TA in lab and SI. Pervasive insecurity threatens case-finding and continuity of treatment in Mali and Burkina Faso due to displacement of PLHIV in both countries. Continuing the work started in ROP20, the West Africa Region will use a portion of ROP21 funds in Mali and Burkina Faso to mitigate attrition caused by insecurity, prevent new infections, and provide patients with a pathway to stay on treatment. Finally, at the regional level, PEPFAR-West Africa will continue to share expertise, resources, and cross-country best practices, with particular emphasis on laboratory capacity for viral load monitoring, index testing, strategic information, supply chain, continuity of treatment, and stigma reduction.

#### American Rescue Plan Act (ARPA of 2021 Summary Description

This approval memo approves \$3,804,655 in ARPA funds in the Economic Support Fund (ESF) account to be implemented for activities during ROP 2020 and ROP 2021. Of the total \$3,804,655 in ARPA funds, \$2,172,412 is expected to be implemented in ROP 2021; these funds

are included in the other tables found in this memo. The remaining \$1,632,243 is expected to be implemented in ROP 2020. The table below shows the estimated breakout of outlays in ROP 2020 vs. ROP 2021 by implementing agency and operational division.

		Α	RPA Funds	Al	RPA Funds to		
		Pro	grammed in	k	oe Added to		
Country in West		ROP	21 FASTs for		ROP20 for		
Africa Region	Agency/OPDIV	RC	P21 Outlay	R	OP20 Outlay	Tot	tal ARPA Funds
	USAID	\$	183,000	\$	-	\$	183,000
Benin	USAID WCF	\$	116,655	\$	-	\$	116,655
	Benin Total	\$	299,655	\$	-	\$	299,655
	USAID	\$	68,000	\$	72,000	\$	140,000
Burkina Faso	USAID WCF	\$	230,000	\$	170,000	\$	400,000
	Burkina Faso Total	\$	298,000	\$	242,000	\$	540,000
	HHS/CDC	\$	110,250	\$	-	\$	110,250
Ghana	USAID	\$	304,750	\$	235,000	\$	539,750
	<b>Ghana Total</b>	\$	415,000	\$	235,000	\$	650,000
Liberia	USAID	\$	200,000	\$	200,000	\$	400,000
препа	Liberia Total	\$	200,000	\$	200,000	\$	400,000
NA-I:	USAID	\$	250,000	\$	250,000	\$	500,000
Mali	Mali Total	\$	250,000	\$	250,000	\$	500,000
	DOD	\$	50,000	\$	-	\$	50,000
Canacal	HHS/CDC	\$	28,000	\$	-	\$	28,000
Senegal	USAID	\$	56,757	\$	265,243	\$	322,000
	Senegal Total	\$	134,757	\$	265,243	\$	400,000
Cionno Loores	HHS/HRSA	\$	250,000	\$	175,000	\$	425,000
Sierra Leone	Sierra Leone Total	\$	250,000	\$	175,000	\$	425,000
	USAID	\$	115,000	\$	65,000	\$	180,000
Togo	USAID/WCF	\$	210,000	\$	200,000	\$	410,000
	Togo Total	\$	325,000	\$	265,000	\$	590,000
West Africa F	Regional Total	\$	2,172,412	\$	1,632,243	\$	3,804,655

Any ARPA funds not outlayed in ROP 2020 will be allowed to outlay in ROP 2021, and this will be accounted for in the End of Fiscal Year exercise in the Fall of 2021. The entire ARPA amount must be obligated by September 30, 2022 and should, except in extraordinary circumstances, be outlayed during ROP 2021.

These ARPA funds are being provided specifically to address the intersection of HIV and COVID-19 to prevent, prepare for, and respond to coronavirus (including prevention of COVID-19 infection, illness, and death among PEPFAR beneficiaries and staff); to mitigate the impact of COVID-19 on PEPFAR programs and beneficiaries; and support PEPFAR program recovery from the impacts of coronavirus.

In the West Africa Region, COVID-19 restrictions and lockdowns began in late March/early April 2020 and negatively impacted case-finding, community- and peer-based supportive activities, and viral load capability across the region. The PEPFAR West Africa Regional program worked with host-country governments and multilateral partners to accelerate multimonth dispensing (MMD) campaigns in several countries during and after the lockdowns; return-to-care campaigns were also launched as restrictions eased to bring patients back onto treatment. The availability of viral load testing decreased as national laboratories focused on COVID-19 testing, and supplies of antiretrovirals (ARVs) and other commodities were also negatively impacted.

To mitigate the impacts of COVID-19 on the supply chain and to further decongest clinics by increasing MMD, the West Africa Region will procure ARVs in Benin, Burkina Faso, and Togo using ARPA funds in the remaining months of ROP20 and early ROP21. While not procuring ARVs directly, extraordinary commodities logistics costs will be offset by ARPA funds in Ghana and Sierra Leone. Ensuring that both healthcare workers and patients feel comfortable and protected from potential COVID-19 infections at clinics will be key to PEPFAR's success during the ongoing pandemic. To this end, the West Africa Region will provide trainings on infection prevention and control methodology; install plexiglass barriers, disinfectant stations, and signage at sites; procure additional PPE; and provide information on vaccinations for healthcare staff and/or peer navigators in all eight countries (Benin, Burkina Faso, Ghana, Liberia, Mali, Senegal, Sierra Leone, and Togo).

Continuity of treatment is required for the health of patients, treatment as prevention, and overall programmatic success. Brief return-to-care campaigns to reengage patients who may have experienced interruptions in treatment due to COVID-19 will be conducted in Benin, Burkina Faso, Ghana, Senegal, and Togo. The expanded use of electronic methods of patient tracking and outreach, combined with HIV self-testing, will further improve continuity of treatment in areas affected by COVID-19, and activities to strengthen existing virtual services will be conducted in Ghana, Mali, and Sierra Leone. Strengthening laboratory networks to mitigate the shift toward COVID-19 testing and away from viral load testing in several countries will be key to optimizing viral load capacity and reaching the 3<sup>rd</sup> 95. PEPFAR will develop optimized laboratory plans, taking effects of COVID-19 testing into account, in Benin, Burkina Faso, Liberia, Senegal, and Togo.

#### **Funding Summary**

All ROP 2021 funding summarized in the charts below is approved at the agency and account levels as indicated. <u>Funds are to be utilized to achieve the targets and outcomes and to fund implementing partners and Management and Operations costs (U.S. Government Costs of Doing Business) as documented in all PEPFAR systems and summarized in the appendix.</u>

	of which, Bilateral											
						unding					Budget	
	Total		FY 2021				FY 2020 FY 2019		Applied Pipeline	(Bilateral + Central)		
		Total	Total	GHP-State	GHP-USAID	GAP	ESF	GHP-State	GHP-State			
TOTAL	82,279,912	78,229,297	78,229,297	75,553,834	-	503,051	2,172,412		-	4,050,615	83,179,912	
DOD Total	1,694,477	1,215,291	1,215,291	1,165,291	-		50,000	-	-	479,186	1,694,477	
DOD	1,694,477	1,215,291	1,215,291	1,165,291	ı	-	50,000	-	-	479,186	1,694,477	
HHS Total	15,710,036	12,587,512	12,587,512	11,696,211	-	503,051	388,250	-	-	3,122,524	15,710,036	
HHS/CDC	5,178,250	2,055,726	2,055,726	1,414,425	ı	503,051	138,250	-	-	3,122,524	5,178,250	
HHS/HRSA	10,531,786	10,531,786	10,531,786	10,281,786	•	-	250,000	-	-	-	10,531,786	
STATE Total	612,000	612,000	612,000	612,000	-	-	-		-		612,000	
State/AF	112,000	112,000	112,000	112,000	•	-	-	-	-	-	112,000	
State/SGAC	500,000	500,000	500,000	500,000	-	-	-	-	-	-	500,000	
USAID Total	64,263,399	63,814,494	63,814,494	62,080,332			1,734,162			448,905	65,163,399	
USAID, non-WCF	51,407,136	51,341,977	51,341,977	50,164,470	1	-	1,177,507	-	-	65,159	51,407,136	
USAID/WCF	12,856,263	12,472,517	12,472,517	11,915,862	-	-	556,655	-	-	383,746	13,756,263	

<sup>1/</sup>Applied Pipeline refers to funding allocated in prior years, approved for implementation in FY 2022.

2/Economic Support Fund (ESF) funding is authorized in the American Rescue Plan Act of 2021 and must be used for a combined HIV and COVID purpose.

purpose.													
					of which	, Central					Total ROP21		
		New Funding									Budget		
	Total				FY 2021			FY 2020	FY 2019	Applied Pipeline	(Bilateral + Central)		
		Total	Total	GHP-State	GHP-USAID	GAP	GAP ESF		GHP-State GHP-State				
TOTAL	900,000	900,000	900,000		900,000	-	-	-	-	-	83,179,912		
DOD Total	-	-		-		-	-		•	-	1,694,477		
DOD	-	-	-	-	-	-	-	-	-	-	1,694,477		
HHS Total	-	-	•	-	-	-	-	-	-		15,710,036		
HHS/CDC	-	-	-	-	-	-	-	-	-	-	5,178,250		
HHS/HRSA	-	-	-	-	-	-	-	-	-	-	10,531,786		
STATE Total		-					-	-	-	-	612,000		
State/AF	-	-	-	-	-	-	-	-	-	-	112,000		
State/SGAC	-	-	-	-	-	-	-	-	-	-	500,000		
USAID Total	900,000	900,000	900,000	-	900,000	-	-	-	-		65,163,399		
USAID, non-WCF	-	-	-	-	-	-	-	-	-	-	51,407,136		
USAID/WCF	900,000	900,000	900,000	-	900,000	-	-	-	-	-	13,756,263		

<sup>1/</sup>Applied Pipeline refers to funding allocated in prior years, approved for implementation in FY 2022.

<sup>2/</sup>Economic Support Fund (ESF) funding is authorized in the American Rescue Plan Act of 2021 and must be used for a combined HIV and COVID purpose.

**GHP-State Funds:** Upon the clearance of a FY 2021 PEPFAR GHP-State Congressional Notification (CN), funds will be made available for transfer to agency HQs as indicated in the above chart. Funds are made available for outlay in FY 2022 at approved ROP 2021 partner budget levels to achieve FY 2022 targets and outcomes as documented in official PEPFAR systems and summarized in the approval memo's appendix. Upon receipt from S/GAC, agency headquarters will move the funds to the country platform via each agency's internal process.

**CDC GAP Funds:** With the receipt of this signed memo, CDC is approved to use CDC GAP funds, as indicated in the above funding chart. Funds are to be made available for outlay in FY 2022 at approved ROP 2021 partner budget levels to achieve FY 2022 targets and outcomes as documented in official PEPFAR systems and summarized in the approval memo's appendix. With this approval, CDC GAP funding may be made available to country teams per CDC internal processes and following agency requirements.

GHP-USAID Funds: With the receipt of this signed memo, USAID is approved to use GHP-USAID funds, as indicated in the above funding chart. Funds are to be made available for outlay in FY 2022 at approved ROP 2021 partner budget levels to achieve FY 2022 targets and outcomes as documented in official PEPFAR systems and summarized in the approval memo's appendix. With this approval, GHP-USAID funding may be made available to country teams per USAID internal processes and following agency requirements.

**ARPA ESF Funds:** ESF funds must have both an HIV and COVID related purpose as laid out in relevant S/GAC guidance. Upon the clearance of a FY 2021 PEPFAR ESF Congressional Notification (CN), funds will be made available for transfer to agency HQs as indicated in the above chart. Funds are made available for outlay in FY 2022 at approved ROP 2021 partner budget levels to achieve FY 2022 targets and outcomes as documented in official PEPFAR systems and summarized in the approval memo's appendix. Upon receipt, agency headquarters will move the funds to the country platform via each agency's internal process.

**Applied Pipeline Funds:** With the receipt of this signed memo, respective agencies are approved to use applied pipeline funds as indicated in the above funding chart. Funds are to be made available for outlay in FY 2022 at approved ROP 2021 partner budget levels to achieve FY 2022 targets and outcomes as documented in official PEPFAR systems and summarized in the approval memo's appendix. Additional or remaining pipeline from previous year's activities that are not currently captured in the ROP 2021 total budget level and documented within ROP 2021 partner budgets are not to be executed or outlayed without written approval from S/GAC.

**Earmarks:** The West Africa Region has planned for programming for FY 2021, FY 2020, and/or FY 2019 GHP-State funding that it considered to meet a number of earmarks, as indicated in the table below. The amounts programmed during ROP may exceed the original controls assigned to the West Africa Region. Upon approval of this memo, the amounts below will become the new earmark controls for the West Africa Region. Any changes to the amount of funding programmed for earmark-eligible activities must be approved via an OPU.

	ROP21 Funding Level							
Earmarks	TOTAL	FY 2021	FY 2020	FY 2019				
Care & Treatment	42,032,154	42,032,154	-	-				
Orphans and Vulnerable Children	-	-	-	-				
Preventing and Responding to Gender- based Violence	135,000	135,000	-	-				
Water	-	-	-	-				

		ROP21 Funding Level							
AB/Y Earmark	TOTAL	FY 2021	FY 2020	FY 2019	Applied Pipeline				
TOTAL Prevention Programming	2,615,301	2,615,301	=	=	-				
Of which, AB/Y	251,808	251,808	=	=	=				
% AB/Y of TOTAL Sexual Prevention Programming	9.6%	9.6%	N/A	N/A	N/A				

1/Applied Pipeline refers to funding allocated in prior years, approved for implementation in FY 2022.

# AB/Y Earmark Budget Justification

AB/Y requirement is not applicable as the West Africa Region does not have a generalized epidemic.

#### **Initiatives by Agency**

	Total Central	Total Bilateral	Total Central - New	Total Bilateral -	Total ROP21
	Applied Pipeline	Applied Pipeline	Funding	New Funding	Budget
TOTAL	•	4,050,615	900,000	78,229,297	83,179,912
of which, Community-Led Monitoring	•	-	-	1,047,000	1,047,000
of which, Condoms (GHP-USAID Central Funding) (Central)	-	-	900,000	-	900,000
of which, Core Program	•	3,550,615	-	77,144,297	80,694,912
of which, Surveillance and Public Health Response	ı	500,000	-	38,000	538,000
DOD Total	-	479,186	-	1,215,291	1,694,477
of which, Core Program	1	479,186	-	1,215,291	1,694,477
HHS Total	٠	3,122,524	-	12,587,512	15,710,036
of which, Community-Led Monitoring	-	-	-	82,000	82,000
of which, Core Program	1	2,622,524	-	12,467,512	15,090,036
of which, Surveillance and Public Health Response	ı	500,000	-	38,000	538,000
STATE Total	-		-	612,000	612,000
of which, Core Program	1	-	-	612,000	612,000
USAID Total	•	448,905	900,000	63,814,494	65,163,399
of which, Community-Led Monitoring	-	-	-	965,000	965,000
of which, Condoms (GHP-USAID Central Funding) (Central)	ı	-	900,000	-	900,000
of which, Core Program	-	448,905	-	62,849,494	63,298,399

# **FY 2022 Target Summary**

FY 2021 funds are released and ROP 2021 applied pipeline is approved to achieve the following results in FY 2022.

#### Benin:

				SN	U Prioritizatio	ns		
Ber	nin	Attained	Scale-Up: Saturation	Scale-Up: Aggressive	Sustained	Centrally Supported	No Prioritization	Total
	<15	-	606	-	-	Dupported		606
HTS_INDEX	15+	-	5,572	-	-			5,572
-	Total	-	6,178	-	-			6,178
	<15	-	3,829	-	-			3,829
HTS_TST	15+	-	36,596	-	-			36,596
_	Total	-	40,425	-	-			40,425
	<15	-	282	-	-		-	282
HTS_TST_POS	15+	-	3,037	-	-		-	3,657
	Total	-	3,939	-	-			3,939
	<15	-	270	-	-			270
TX_NEW	15+	-	3,468	-	-			3,468
	Total	-	3,738	-	-			3,738
	<15	-	1,050	-	-			1,058
TX_CURR	15+	-	22,077	-	-			22,674
	Total	-	23,732	-	-		-	23,732
TV 800.5	<15	-	0,70	-	-			898
TX_PVLS	15+	-	20,333	-	-			20,333
CVCA CCDN	Total	-	21,231	-	-	,	-	21,231
CXCA SCRN	Total <18	-	-	-	-		-	-
OVC CERV	18+							
OVC_SERV	Total							
OVC_HIVSTAT	Total		_					
OVC_HIVSTAT	<15							
PMTCT_STAT	15+							_
PMICI_SIAI	Total	_		-	-			-
	<15	-		-	-			-
PMTCT_STAT_	15+	-		-	-			-
POS	Total	-		-	-			-
	<15	-		-	-			-
PMTCT_ART	15+	-		-	-			-
_	Total	-		-	-			-
PMTCT_EID	Total	-	-	-	-			-
	<15	-	-	-	-			-
PP_PREV	15+	-	-	-	-			-
	Total	-	-	-	-			-
KP PREV	Total	-	7,461	-	-			7,461
KP_MAT	Total	-	-	-	-			-
VMMC_CIRC	Total	-	-	-	-			-
	<15	-	-	-	-			-
HTS_SELF	15+	-	3,410	-	-			3,410
	Total	-	3,410	-	-	,	-	3,410
PrEP NEW	Total	-	80	-	-			80
PrEP_CURR	Total	-	80	-	-		-	80
TD 5747	<15	-		-	-			-
TB_STAT	15+	-		-	-			-
	Total	_	-	-	-		-	-
TD ADT	<15	-	-	-	-			-
TB_ART	15+ Total		_	-	-			
	<15	_	_	_	-			-
TB_PREV	15+				-			-
ID_PREV	Total	-		-	-			-
	<15		_		_			
TX_TB	15+		-	-	-			-
17_10	Total				-			-
GEND GBV	Total							
AGYW PREV	Total							
ACTAL FIXES	iviai							

<sup>\*</sup> Totals may be greater than the sum of categories due to activities outside of the SNU prioritization areas outlined above

# Burkina Faso:

		SNU Prioritizations								
Burkin	a Faso	Attained	Scale-Up:	Scale-Up:	Sustained	Centrally	No	Total		
	<15		Saturation 4,626	Aggressive 831		Supported	Prioritization	5,457		
HTS_INDEX	15+	-	3,221	853	-			4,074		
	Total	-	7,847	1,684	-			9,531		
	<15	-	36,986	7,991	-			44,977		
HTS_TST	15+	-		3,796	-			17,013		
_	Total	-	50,203	11,787	-			61,990		
	<15	-	2,312	516	-			2,828		
HTS_TST_POS	15+	-	-,	440	-			1,940		
	Total	-	3,812	956	-			4,768		
	<15	-	2,194	490	-			2,684		
TX_NEW	15+	-	1,700	428	-			1,867		
	Total <15	-	3,633	918	-			4,551		
TV CURR	15+	-	3,272 27,417	1,156 7,525	-			4,428 34,942		
TX_CURR	Total	-	30,689	8,681	-			39,370		
	<15		2,129	891				3,020		
TX_PVLS	15+	-		7,093	-			32,988		
17,_1125	Total	-	28,024	7,984	-			36,008		
CXCA SCRN	Total	-	,	-	-			,		
	<18	-	-	-	-			-		
OVC_SERV	18+	-	-	-	-			-		
_	Total	-	-	-	-			-		
OVC_HIVSTAT	Total	-	-	-	-			-		
	<15	-	-	-	-			-		
PMTCT_STAT	15+	-	-	-	-			-		
	Total	-	-	-	-			-		
PMTCT_STAT_	<15	-	-	-	-			-		
POS	15+	-	-	-	-			-		
	Total	-	-	-	-			-		
DUTCT ADT	<15	-	-	-	-			-		
PMTCT_ART	15+	-	-	-	-					
PMTCT_EID	Total Total									
PMICI_EID	<15									
PP_PREV	15+	_	-	_	-			-		
11_112	Total	-	-	-	-			-		
KP PREV	Total	-	4,681	1,263	-			5,944		
KP_MAT	Total	-	-,	-,	-			-,		
VMMC_CIRC	Total	-	-	-	-			-		
	<15	-	-	-	-			-		
HTS_SELF	15+	-	1,022	283	-			1,305		
	Total	-	1,022	283	-			1,305		
PrEP NEW	Total	-	113	35	-			148		
PrEP_CURR	Total	-	113	35	-			148		
	<15	-	-	-	-		-	-		
TB_STAT	15+	-	-	-	-			-		
	Total <15	-	-	-	-		-	-		
TD ADT	15+	_	-	_	_			_		
TB_ART	Total		-							
	<15			-	_					
TB_PREV	15+	_	_		-			_		
I D_FIXEY	Total	_	_	_	_			_		
	<15				-			-		
TX_TB	15+	-	-	-	-			-		
	Total	-	-	-	-			-		
GEND GBV	Total	-	-	-	-			-		
AGYW PREV	Total	-	-	-	-			-		

 $<sup>\</sup>ensuremath{^{*}}$  Totals may be greater than the sum of categories due to activities outside of the SNU prioritization areas outlined above

# Ghana:

		SNU Prioritizations							
Gha	ana	Attained	Scale-Up:	Scale-Up:	Sustained	Centrally	No	Total	
	<15		Saturation 1,632	Aggressive		Supported	Prioritization .	1,632	
HTS_INDEX	15+		9,733	172	-			9,905	
	Total	-	11,365	172	-			11,537	
	<15	-	12,303	-	-			12,303	
HTS_TST	15+	-	60,116	2,083	-			62,199	
_	Total	-	72,419	2,083	-			74,502	
	<15	-	1,092	-	-			1,092	
HTS_TST_POS	15+	-	5,052	243	-			5,295	
	Total	-	6,144	243	-	•		6,387	
	<15	-	1,074		-			1,074	
TX_NEW	15+	-	7,520	233	-			5,153	
	Total <15	-	5,994	233	-			6,227	
TV CURR	15+	-	2,837	226	-			2,837 32,023	
TX_CURR	Total	_	34,634	226	_			34,860	
	<15		2,364					2,364	
TX_PVLS	15+		28,848	375	-			29,223	
	Total	-	31,212	375	-			31,587	
CXCA SCRN	Total	-	,	-	-				
	<18	-	-	-	-			-	
OVC_SERV	18+	-	-	-	-			-	
_	Total	-	-	-	-			-	
OVC_HIVSTAT	Total	-	-	-	-			-	
	<15	-	39	-	-			39	
PMTCT_STAT	15+	-	5,975	-	-			5,975	
	Total	-	6,014	-	-			6,014	
PMTCT_STAT_	<15	-		-	-				
POS	15+	-	58	-	-			58	
	Total	_	58	-	-		-	58	
DMTCT ART	<15 15+	_	58	-	-			58	
PMTCT_ART	Total		58					58	
PMTCT_EID	Total	_	124	_	_			124	
	<15								
PP_PREV	15+	-	-	-	-			-	
_	Total	-	-	-	-			-	
KP PREV	Total	-	9,263	2,081	-			11,344	
KP_MAT	Total	-	-	-	-			-	
VMMC_CIRC	Total	-	-	-	-			-	
	<15	-	-	-	-			-	
HTS_SELF	15+	-	1,853	728	-			2,581	
	Total	-	1,853	728	-			2,581	
PrEP NEW	Total	-	3,096	602	-			3,698	
PrEP_CURR	Total <15	_	4,485	638	_			5,123	
TB_STAT	15+		_	-					
ID_STAT	Total	_		-	_			-	
	<15	-			-			-	
TB_ART	15+			-	-			-	
	Total	-	-	-	-			-	
	<15		-	-	-			-	
TB_PREV	15+	-	-	-	-			-	
_	Total	-	-	-	-			-	
	<15	-	-	-	-			-	
TX_TB	15+	-	-	-	-			-	
	Total	-	-	-	-			-	
GEND GBV	Total	-	-	-	-			-	
AGYW PREV	Total		-	-	-			-	

 $<sup>^{\</sup>ast}$  Totals may be greater than the sum of categories due to activities outside of the SNU prioritization areas outlined above

# Liberia:

		SNU Prioritizations							
Libe	eria	Attained	Scale-Up: Saturation	Scale-Up: Aggressive	Sustained	Centrally	No Prioritization	Total	
	<15	-	Jaturation -	1,100		Supported	·	1,100	
HTS_INDEX	15+	-	-	7,536	-		- 10	7,546	
_	Total	-	-	8,636	-		- 10	8,646	
	<15	-	-	6,350	-			6,350	
HTS_TST	15+	-	-	32,370	-		- 960	53,936	
	Total	-	-	59,326	-		- 960	60,286	
UTC TCT DOG	<15	-	-	568	-			568	
HTS_TST_POS	15+ Total	-		5,458 <b>6,026</b>			- 20 - <b>20</b>	5,478 <b>6,046</b>	
	<15	-		541	-		- 20	541	
TX_NEW	15+		-		_		- 19	5,143	
IX_NEW	Total	-	-	5,665	-		- 19	5,684	
	<15	-			-			1,317	
TX_CURR	15+	-	-		-		- 115	21,024	
	Total	-	-		-		- 115	22,341	
	<15	-	-	1,122	-			1,122	
TX_PVLS	15+	-	-	18,806	-		- 111	18,917	
	Total	-	-	19,928	-		- 111	20,039	
CXCA SCRN	Total	-	-	-	-			-	
	<18	-	-	-	-		-	-	
OVC_SERV	18+	-		-	-			-	
	Total	-	-	-	-		-	-	
OVC_HIVSTAT	Total	-	-	-	-		-	-	
	<15	-	-	-	-		-	-	
PMTCT_STAT	15+	-		-	-				
	Total <15	-		-	-		-	-	
PMTCT_STAT_	15+	-		_	-			_	
POS	Total	-		_	-			-	
	<15				-			-	
PMTCT_ART	15+	-	-	_	-			-	
114161_7401	Total	-	-	-	-			-	
PMTCT_EID	Total	-	-	_	-			-	
_	<15	-	-	-	-			-	
PP_PREV	15+	-	-	-	-			-	
_	Total	-	-	-	-			-	
KP PREV	Total	-	-	14,321	-			14,321	
KP_MAT	Total	-	-	-	-			-	
VMMC_CIRC	Total	-	-	-	-		-	-	
	<15	-	-	-	-			-	
HTS_SELF	15+	-	-	-	-			-	
D-ED NEW	Total	-	_		-	•	-	400	
PrEP NEW	Total Total	-		403 403	-			403 403	
PrEP_CURR	<15	-		403				403	
TB_STAT	15+			_					
10_3171	Total	-		_	-			_	
	<15	-		-	-			-	
TB_ART	15+	-			-			-	
	Total	-	-	-	-			-	
	<15	-	-	-	-			-	
TB_PREV	15+	-	-	-	-			-	
_	Total	-	-	-	-			-	
	<15	-	-	-	-		-	-	
TX_TB	15+	-	-	-	-			-	
	Total	-	-	-	-		-	-	
GEND GBV	Total	-	-	-	-		-	-	
AGYW PREV	Total	-		-	-			-	

<sup>\*</sup> Totals may be greater than the sum of categories due to activities outside of the SNU prioritization areas outlined above

# Mali:

				SN	U Prioritizatio	ns		
Ma	ali	Attained	Scale-Up: Saturation	Scale-Up: Aggressive	Sustained	Centrally Supported	No Prioritization	Total
	<15	-	777	riggiessive -	-	Барропса		777
HTS_INDEX	15+	-	2,829	-	-			2,829
_	Total	-	3,606	-	-			3,606
	<15	-	9,057	-	-			9,057
HTS_TST	15+	-	17,505	-	-			17,509
	Total	-	26,566	-	-			26,566
	<15	-	1,186	-	-			1,186
HTS_TST_POS	15+	-	-,	-	-			2,318
	Total	-	3,504	-	-			3,504
TV NEW	<15 15+	-	1,124					1,124
TX_NEW	Total		2,203 3,327	-				2,203 <b>3,327</b>
	<15		3,488					3,488
TX_CURR	15+			_				34,590
ix_contr	Total	-	38,078	-	-			38,078
	<15	-	3,060	-	-			3,060
TX_PVLS	15+	-	32,903	-	-			32,903
_	Total	-		-	-			35,963
CXCA SCRN	Total	-		-	-			-
	<18	-		-	-			-
OVC_SERV	18+	-	-	-	-			-
-	Total	-	-	-	-			-
OVC_HIVSTAT	Total	-	-	-	-			-
	<15	-	-	-	-			-
PMTCT_STAT	15+	-	-	-	-			-
	Total	-	-	-	-			-
PMTCT_STAT_	<15	-	-	-	-			-
POS	15+	-	-	-	-			-
	Total	-	-	-	-			-
	<15	-		-	-			-
PMTCT_ART	15+			-	-			-
PMTCT_EID	Total Total	_	_	_	_			_
PMTCT_EID	<15		249					249
PP_PREV	15+		24,456					24,456
FF_FIXEV	Total	-	24,705	-	-			24,705
KP PREV	Total	_	30,298	_	-			30,298
KP_MAT	Total	-		-	-			-
VMMC_CIRC	Total	-		-	-			-
_	<15	-		-	-			-
HTS_SELF	15+	-	-	-	-			-
_	Total	-	-	-	-			-
PrEP NEW	Total	-	1,466	-	-			1,466
PrEP_CURR	Total	-	1,466	-	-			1,466
	<15	-	-	-	-			-
TB_STAT	15+	-	-	-	-			-
	Total	-	-	-	-			-
	<15	-	-	-	-			-
TB_ART	15+	-		-	-			-
	Total	-	-	-	-			-
TD 5551	<15	-	-	-	-			-
TB_PREV	15+	-	-	-	-			-
	Total	-	-	-	-		-	-
TV TD	<15	-	-	-	-			-
TX_TB	15+ Total	-	-	-	-		-	-
GEND GBV	Total		_	-				
AGYW PREV	Total	_	_	-	_			_
AGIW FREV	IULAI							

 $<sup>\</sup>ensuremath{^*}$  Totals may be greater than the sum of categories due to activities outside of the SNU prioritization areas outlined above

# Senegal:

		SNU Prioritizations						
Senegal		Attained	Scale-Up:	Scale-Up:	Sustained	Centrally	No	Total
	<15		Saturation	Aggressive 336		Supported	Prioritization	336
HTS_INDEX	15+	-	-	2,776	-		- 410	3,186
	Total	_	-	3,112	-		- 410	3,522
	<15			2,531				2,531
HTS_TST	15+	-	-	15,005	-		- 4,365	19,370
	Total	-	-	17,536	-		- 4,365	21,901
	<15	-	-	261	-			261
HTS_TST_POS	15+	-	-	1,713	-		- 267	1,980
	Total	-	-	1,974	-		- 267	2,241
	<15	-	-	255	-			255
TX_NEW	15+	-	-	1,629	-		- 254	1,883
	Total	-	-	1,884	-		- 254	2,138
TV CURR	<15	-		911	-			911
TX_CURR	15+ Total	-	-	14,153 <b>15,064</b>	-		- 1,235 - <b>1,235</b>	15,388 <b>16,299</b>
	<15	_	-	805	_		- 1,233	805
TX_PVLS	15+	_	_	13,240	_		- 1,125	14,365
1X_F425	Total	-	-	14,045	-		- 1,125	15,170
CXCA SCRN	Total	-	-		-		,	
	<18	-	-	-	-			-
OVC_SERV	18+	-	-	-	-			-
	Total	-	-	-	-			-
OVC_HIVSTAT	Total	-	-	-	-			-
	<15	-	-	-	-			-
PMTCT_STAT	15+	-	-	-	-			-
	Total	-	-	-	-			-
PMTCT STAT	<15	-	-	-	-			-
POS	15+	-	-	-	-			-
	Total <15	-	-	-	-			_
PMTCT_ART	15+		_		_			
PMICI_ARI	Total	-	_	_	_			_
PMTCT_EID	Total	-	-	-	-			_
	<15	-	-	-	-			-
PP_PREV	15+	-	-	-	-		- 5,754	5,754
_	Total	-	-	-	-		- 5,754	5,754
KP PREV	Total	-	-	12,421	-			12,421
KP_MAT	Total	-	-	-	-			-
VMMC_CIRC	Total	-	-	-	-			-
	<15	-	-	-	-			-
HTS_SELF	15+	-	-	-	-			-
PrEP NEW	Total Total	-	-	2 444	-			2,444
PrEP_CURR	Total			2,444 2,444				2,444
PIEP_CORK	<15			2,444				2,444
TB_STAT	15+	_	_	_	_			_
10_01/11	Total	-	-	-	-			-
	<15	-	-	-	-			-
TB_ART	15+	-	-	-	-			-
	Total	-	-	-	-			-
TB_PREV	<15	-	-	-	-			-
	15+	-	-	-	-			-
	Total	-	-	-	-			-
	<15	-	-	-	-			-
TX_TB	15+	-	-	-	-			-
CENID CRY	Total	-	-	-	-		-	-
GEND GBV	Total	-	-	-	-			-
AGYW PREV	Total	-	-		-		-	-

<sup>\*</sup> Totals may be greater than the sum of categories due to activities outside of the SNU prioritization areas outlined above

Sierra Leone:

		SNU Prioritizations						
Sierra	Leone	Attained	Scale-Up:	Scale-Up:	Sustained	Centrally	No	Total
	<15		Saturation -	Aggressive 1,000		Supported	Prioritization	1,000
HTS_INDEX	15+	-	-	3,067	-			3,067
	Total	-	-	4,067	-			4,067
	<15	-	-	6,901	-			6,901
HTS_TST	15+	-	-	29,937	-			29,937
	Total	-	-	36,838	-			36,838
	<15	-	-	836	-			836
HTS_TST_POS	15+		-	2,564 <b>3,400</b>	-			2,564 <b>3,400</b>
	Total <15	-		796				796
TX_NEW	15+		_	2,430	_			2,430
IX_IIEW	Total	-	-	3,226	-			3,226
	<15	-	-	1,232	-			1,232
TX_CURR	15+	-	-	9,286	-			9,286
_	Total	-	-	10,518	-			10,518
	<15	-	-	967	-			967
TX_PVLS	15+	-	-	8,308	-			8,308
	Total	-	-	9,275	-	,		9,275
CXCA SCRN	Total	-	-	-	-			-
OVC SERV	<18 18+	-		-				- :
OVC_SERV	Total				_			
OVC_HIVSTAT	Total	_	_	_	_			_
010	<15	-	-	-	-			-
PMTCT_STAT	15+	-	-	7,172	-			7,172
_	Total	-	-	7,172	-			7,172
PMTCT_STAT_	<15	-	-	-	-			-
POS .	15+	-	-	470	-			470
	Total	-	-	470	-			470
DMTCT ADT	<15	-	-	453	-	,		453
PMTCT_ART	15+ Total	-		453 <b>453</b>	-			453 <b>453</b>
PMTCT_EID	Total	_	_	513	_			513
	<15	-	-		-			
PP_PREV	15+	-	-	-	-			-
_	Total	-	-	-	-			-
KP PREV	Total	-	-	3,205	-			3,205
KP_MAT	Total	-	-	-	-			-
VMMC_CIRC	Total	-	-	-	-			-
UTC CELE	<15 15+	-	-	1 007	-			1 007
HTS_SELF	Total	-	-	1,887 <b>1,887</b>	-			1,887 <b>1,887</b>
PrEP NEW	Total	_	_	4,000	_			4,000
PrEP_CURR	Total	-	-	5,600	-			5,600
	<15	-	-	-,	-			-,
TB_STAT	15+	-	-	-	-			-
	Total	-	-	-	-			-
	<15	-	-	-	-			-
TB_ART	15+	-	-	-	-			-
	Total	-	-	-	-			-
TB_PREV	<15	-	-	-	-			-
	15+ Total	-	-	-	-			-
	<15							
TX_TB	15+	-	_	-	-			_
	Total	-	-	-	-			-
GEND GBV	Total	-	-	-	-			-
AGYW PREV	Total	-	-	-	-			-

<sup>\*</sup> Totals may be greater than the sum of categories due to activities outside of the SNU prioritization areas outlined above

Togo:

Tops			SNU Prioritizations						
HTS_INDEX	Togo		Attained		Scale-Up:		Centrally		Total
HTS_INDEX  Total					Aggressive	Sustameu	Supported	Prioritization	
Total 5,639 7,170 - 12,809	HTS_INDEX				-	-			
HTS_TST   15+ 18,648   28,700					-	-			
HTS_TST    15+					-	-			
Total	HTS TST				-	-			
HTS_TST_POS  Total	_				-	-			
Total 2,993 4,265 7,258					-	-			
TX_NEW	HTS_TST_POS_				-	-	-		
TX_NEW					-	-		-	
Total 2,833 4,043 6,876	TV NEW				-	-			
TX_CURR	IV_INEM				-	-			
TX_CURR					-	-			
Total   25,805   23,118   -	TX CURR				-	-			
TX_PVLS					-	-			
Total		<15	1,723	1,483	-	-			3,206
CXCA SCRN	TX_PVLS				-	-	-		
SERV   18+			23,675	20,488	-	-		-	44,163
Total	CXCA SCRN		-	-	-	-			-
Total	01/0 5501/		-	-	-	-			-
OVC_HIVSTAT	OVC_SERV		-	-	-	-			-
MTCT_STAT	OVC HIVSTAT		-						
PMTCT_STAT	OVC_IIIVSIAI								
Total	PMTCT STAT		-	-	-	-			-
PMTCT_STAT			-	-	-	-	-	-	-
Total	DMTCT STAT	<15	-	-	-	-		-	-
Note			-	-	-	-			-
PMTCT_ART	. 00		-	-	-	-	-	-	-
Total	DMTCT ADT		-	-	-	-	-		-
PMTCT_EID	PMTCT_ART		-	-	-	-			
PP_PREV	PMTCT_FID		_	_	_	_			_
PP_PREV         15+         -	111101_222		-	-	-	-			-
KP PREV NAT         Total         5,259         3,003         -         -         -         8,262           KP MAT         Total         -	PP_PREV		-	-	-	-	-		-
KP_MAT	_	Total	-	-	-	-	-	-	-
VMMG_CIRC         Total         -         <			5,259	3,003	-	-		-	8,262
HTS_SELF			-	-	-	-	-	-	-
HTS_SELF 15+ 2,138 5,669 7,807    Total 2,138 5,669 7,807   PrEP NEW Total 73 78 151   PrEP_CURR Total 73 78 151   STAT	VMMC_CIRC		-	-	-	-		-	-
Total 2,138 5,669 7,807  PrEP NEW Total 73 78 151  PrEP_CURR Total 73 78 151  TB_STAT 15+	UTC CELE		2 120	5 660	-	-			7 007
PrEP NEW PrEP_CURR         Total         73         78         -         -         151           PrEP_CURR         Total         73         78         -         -         151           <15	HIS_SELF				-	-			
PrEP_CURR         Total         73         78         -         -         151           <15	PrFP NFW				_	_			
STAT					-	-			
Total		<15	-	-	-	-	-		-
<15	TB_STAT		-	-	-	-			-
TB_ART			-	-	-	-		-	-
Total	TB_ART		-	-	-	-			-
<15			-	-	-	-			-
TB_PREV 15+			-	-	-	-	-	-	-
Total	TB_PREV		-	-	-				-
<15			_	_	_	_			_
TX_TB 15+			-	-	-	-			-
Total	TX TB		-	-	-	-	-		-
		Total	-	-	-	-		-	-
AGYW PREV Total			-	-	-	-	-	-	-
	AGYW PREV	Total	-	-	-	-	-	-	-

 $<sup>^{\</sup>ast}$  Totals may be greater than the sum of categories due to activities outside of the SNU prioritization areas outlined above

# Partner Management and Stakeholder Engagement:

Agreements made during ROP 2021 discussions, including those regarding geographic focus, targets, budgets, SIMS, use of pipeline, partner implementation and partner management will be monitored and evaluated on a regular basis via both ad hoc check-ins and discussions as well as the joint HQ and country team POART discussions. It is expected that teams closely monitor partner performance and engage with each implementing partner on a regular basis to ensure achievement of targets, outcomes and impact in a manner consistent with this memo, the approved SDS, and budgets and targets as finalized in PEPFAR systems. Any partner with either (1) <15 percent of target achievement at 3 months or (2) less than 40 percent of target achievement at 6 months must have a complete review of performance data (including trends in performance) and expenditures to date by program area, implement remediation, and conduct intensive follow-up. In the HIV treatment program, most clients are continuing on treatment year after year and current on treatment (TX\_CURR) performance should between 98 percent and 100 percent of the target. This can be adjusted in country context where HIV treatment services are still scaling up and the treatment new target is greater than 10 percent of treatment current. OVC programs are also similar in that there are clients continuing services from the previous year; if the IP is less than 80 percent of their target at Q2 performance review should be triggered.

For key populations programming, per MER Guidance and program requirements, HIV testing is a required element of the KP\_PREV indicator. HIV testing services (HTS) or referring an individual to HTS is required to be offered (at least once during the reporting period and/or in accordance with WHO/national guidance) unless the individual had previously been tested positive for HIV. HIV prevention services must be tailored to individual risks. If the individual is self-identified as HIV positive, then HTS provision or referral to HTS will not be a required element of this indicator. Workplans for IPs should reflect these HTS requirements for key populations programming. Additionally, where referral to HTS is made, IP workplans and program design should incorporate measures to follow through on HTS with KP clients to ensure referral completion.

These elements (i.e., review, remediation, and follow-up) should be incorporated into the existing IP work plans. A second quarter of consistently poor performance by the IP should also result in implementation of a documented Performance Improvement Plan (PIP) or Correction Action Plan (CAP), in accordance with implementing agency policy. PIP indicators should reflect the core issue. If the issue is linkage of test positive to treatment the indicator measured should be test positive to new in treatment of greater than 85 percent. If the issue is retention, it should be net new on treatment equal to 90 percent of new on treatment. After two quarters of intensive oversight and remediation for underperformance, partners should be close to full achievement of targets expected at quarter three. With a third quarter of consistently poor performance by the IP, implementing agencies should notify S/GAC of the options the agency is implementing to address partner non-performance, including options for a shift to new partners. The country team should notify the S/GAC Chair and PPM immediately of the improvement plan.

Continued engagement with all stakeholders, including civil society and community members, multilateral partners and bilateral partners, is to continue throughout ROP 2021 implementation.

Core to this critical engagement is the sharing of and discussion surrounding quarterly results and achievement and findings from community-led monitoring. This continued engagement will ensure all parties' understanding of the West Africa Region's progress and help identify any strategic changes to be made in order to more efficiently and effectively reach epidemic control.