

CDC PEPFAR ART Programs in the Context of COVID-19

CDC Tanzania Country Presentation

June 10, 2020



Country HIV Program

- **HIV prevalence**

According to the Tanzania HIV Impact Survey (THIS 2016-2017)

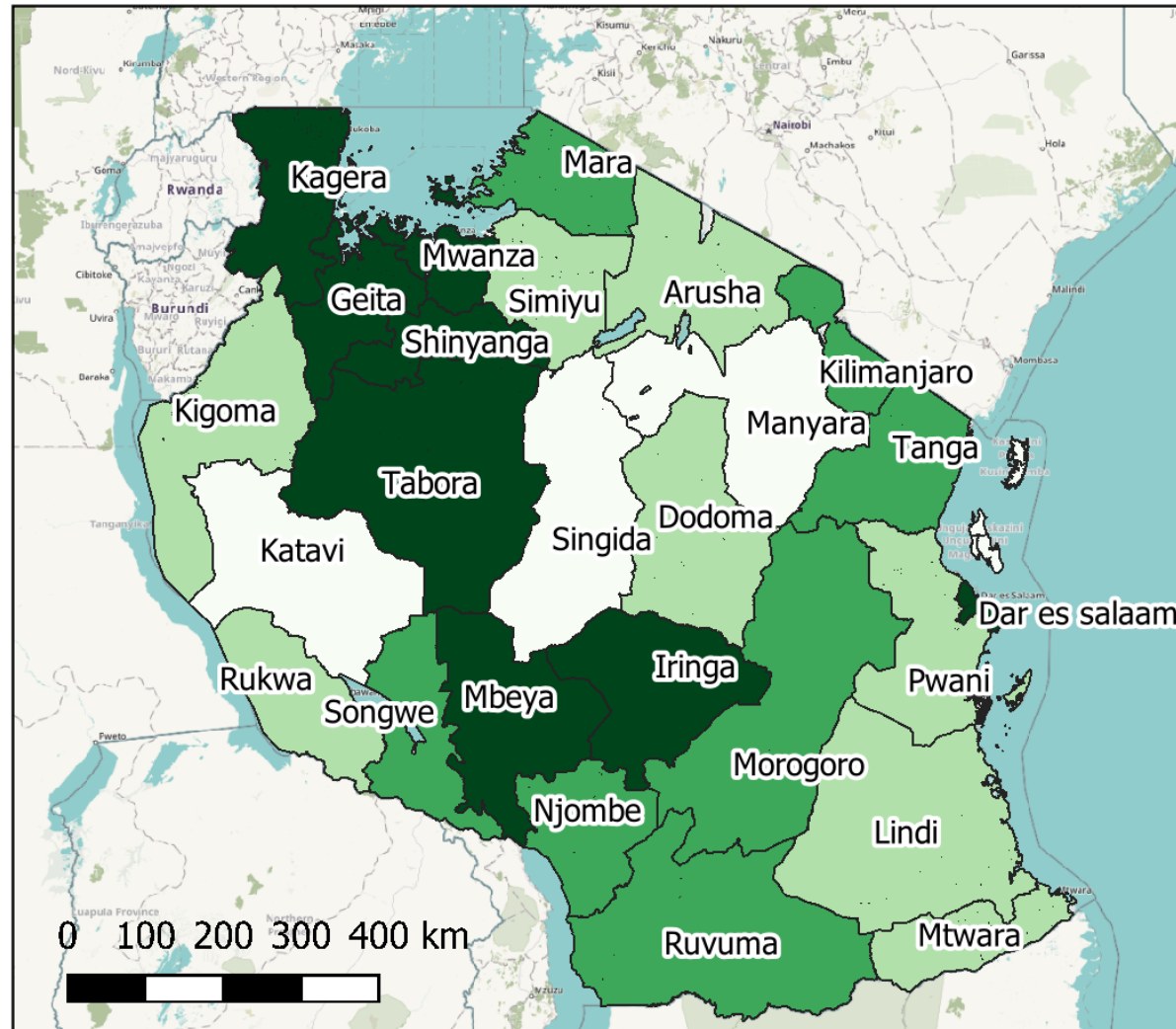
	Female	95% CI	Male	95% CI	Total	95% CI
15 – 49 years	6.2	[5.7 – 6.7]	3.1	[2.7 – 3.5]	4.7	[4.3 - 5.0]
15 – 64 years	6.5	[6.0 - 7.0]	3.5	[3.1-3.9]	5.0	[4.7 - 5.4]
0 – 14 years	0.5	[0.5 - 0.8]	0.3	[0.1-0.5]	0.4	[0.2 - 0.6]

- **Status of 90-90-90**

According to the THIS 2016-2017

- 60.6% of adults living with HIV know their status;
- 93.6% of those individuals self-report being on anti-retroviral therapy (ART);
- 87.0% of those who report being on ART have viral load suppression

Estimated Number of People Living with HIV (PLHIV) by Region



Estimated Number of PLHIV
[Number of Regions] [32]

- 313 - 24,741 [8]
- 24,741 - 42,201 [8]
- 42,201 - 70,868 [7]
- 70,868 - 230,095 [8]



COVID-19 outbreak in Tanzania

COVID-19 in Tanzania

- **March 16, 2020**
 - 1st case in country, Arusha
- **March 18, 2020**
 - Additional cases in Dar es Salaam and Zanzibar
- **April 29, 2020**
 - Last epi update: 509 cases with 21 deaths
 - 24 of 26 regions reported cases

Initial action in national response

- **Media messages and national helpline**
- **Closure of schools & colleges**
- **Initial quarantine**
 - screen for fever at POE
 - all entering from affected countries
 - all suspects and contacts
- **Transitioned to self isolation at home**
- **International flights suspended**
- **Focus on continued economic activity with necessary precautions: hand hygiene, respiratory hygiene, physical distancing**
- **Public use of cloth face masks**

ELIMIKA KUHUSU UGONJWA WA HOMA KALI YA MAPAFU UNAOSABABISHWA NA VIRUSI VYA CORONA

Ugonjwa huu hueneza kupitia majimaji yatakayo njia ya hewa wakati mtu mwenye ugonjwa huu anapokohoa au kupiga chafya. Njia nyingine ya maambukizi ni kwa kugusa majimaji yanayotoka puani (kamasi).

DALILI ZA HOMA YA VIRUSI VYA CORONA

- Homa na Mafua Wakali
- Kichehoi
- Kubakwa mbavu na kupumua kwa shida
- Mwili Kuchoka
- Mazimbu ya Misi
- Vidonda kooi
- Kuumwa Kichoo

JINSI YA KUJIKINGA NA HOMA YA VIRUSI VYA CORONA

- Nawa mikono kwa maji yanayotirika na sabuni mara kwa mara
- Epuka kusalimiana kwa kushikana mikono
- Funika mdomo na pua wakati wa kukohoa au kupiga chafya
- Epuka kugusa macho, pua au mdomo
- Kaa mbali angalau mita 1 au 2 na mtu mwenye mafua au kikohozi mwenye historia ya kusafiri nje ya nchi

Kumbuka: Ugonjwa huu haupo nchini Tanzania, lakini kutokana na mwingiliano na nchi nyingine ni muhimu kuchukua tahadhali ili kuzuia usiingie nchini

Kwa maelezo zaidi piga simu 080 011 0124 bila malipo

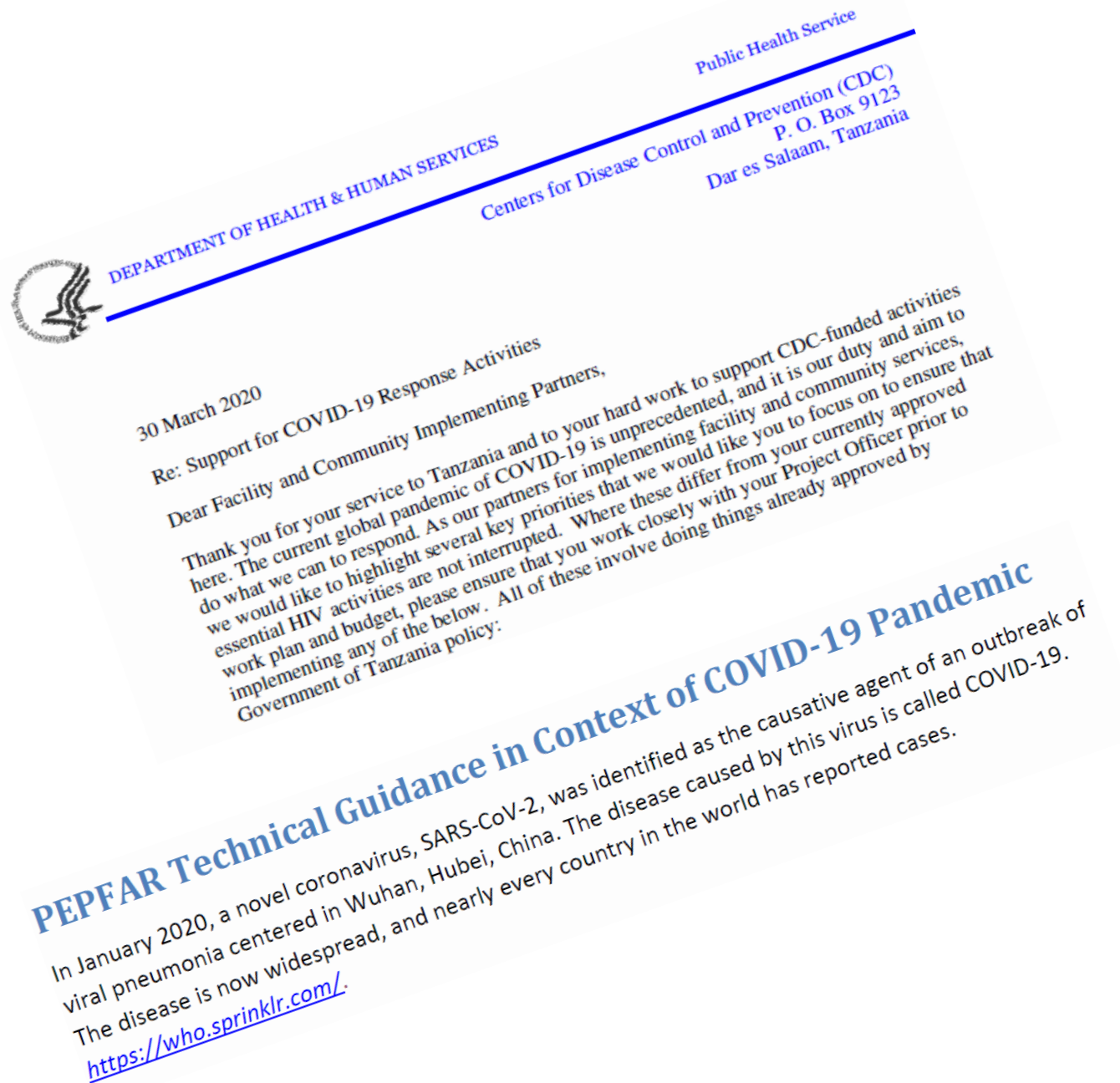
Elimu ya Afya | @elimu_ya_afya | @elimuyaafya | AFYA TV ONLINE

Inetolewa na Wizara ya Afya, Maendeleo ya Jamii, Jinsia, Wazee na Watoto. Kitengo cha Elimu ya Afya kwa Umma



CDC RESPONSE

- Full-time telework since March 18, 2020
- Emergency response structure during outbreak
- Frequent leadership updates as information evolved
- CDC-Guidance letter to IPs on sustaining HIV program amidst of COVID pandemic



CDC support to COVID-19 Case Surveillance

Support to MoH National Responses: Mainland and Zanzibar

- **Co-Chair** to the Surveillance Pillar (Chair: WHO)
- **Drafted:** SoPs, training materials, and data tools
- **Rapid response efforts:** Case investigation, contact tracing, home isolation, traveler quarantine/border health
- **Adaptive Surveillance Approach:** COVID-19 CEBS, drug dispensary surveillance, ring surveillance, facility-based surveillance, ILI/SARI surveillance
- **Community-based staff:** Supporting for CEBS
- **FELTP:** Funding graduates as mentors and regional/district surv supervisors



Arusha, Tanzania: National team (MoH, WHO, CDC) responding to first case in the country (before masks!)



CDC support to COVID-19 Case Surveillance

- **Deployments: Training and mentorship since first case**

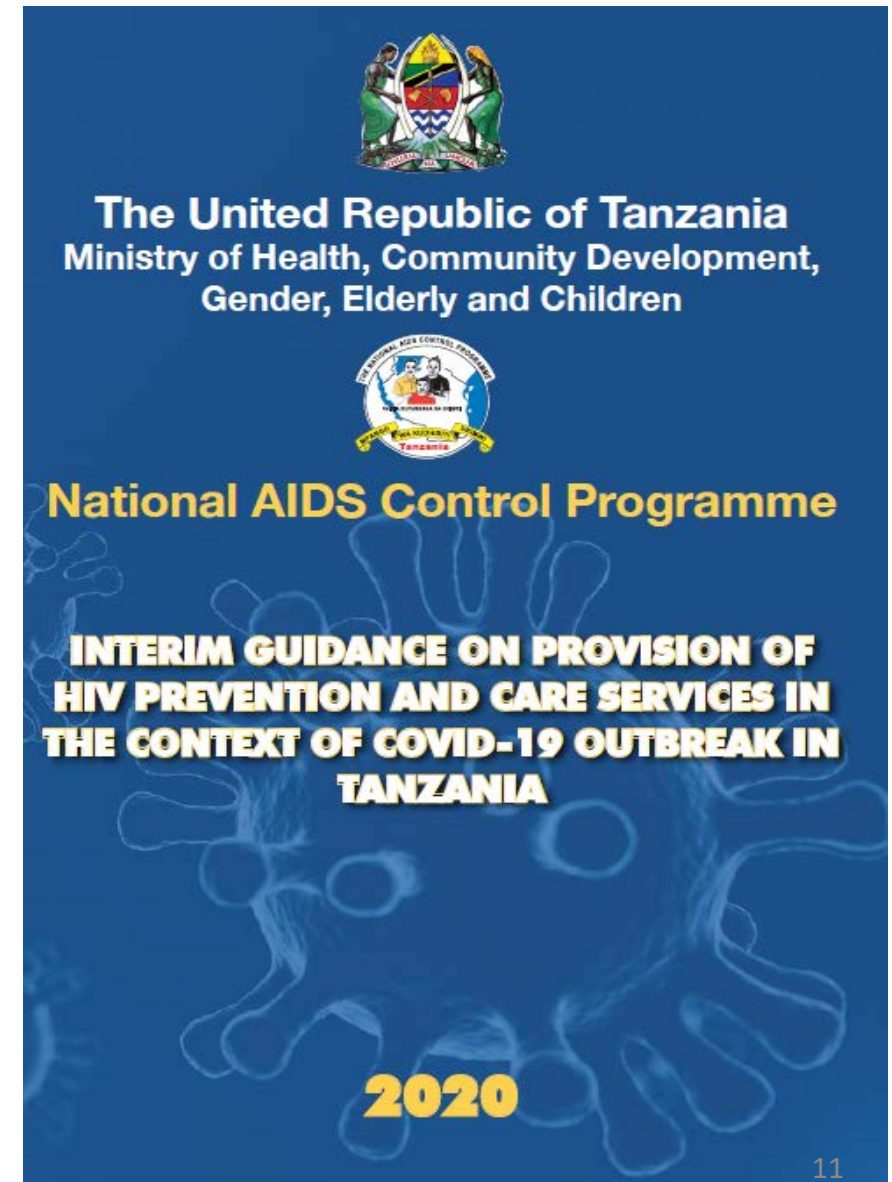
- National: Mainland MOH and Zanzibar MoH
- Regions: Arusha, Dar es Salaam, Tanga, Kagera, Zanzibar (Unguja & Pemba Islands)
- Dar es Salaam Region: Training HCW
- Tanga Region: Facility & Drug Dispensary Support
- Zanzibar: Border Health and MoH National Task Force

CDC support to HIV response in the context of COVID-19

- **CDC appointed in national task force on HIV in COVID-19**
- **Sustain HIV program using virtual means**
 - Engage in scheduled and ad-hoc technical meetings, TA at various levels
 - Continue quarterly PMM with IPs and monthly management meetings
 - Interim bi-weekly check-in with IPs to update on key developments
 - Granular site management through regional teams using monthly portal
 - Training providers and mentors using e-learning and modified site mentorship

National guidance for HIV services in the context of HIV

- Released April 15th followed by electronic dissemination and virtual orientation through ECHO
- Highlights: scale up MMD, community outreach, IPC
- Limitations: TLD supply impact on 6MMD scale-up



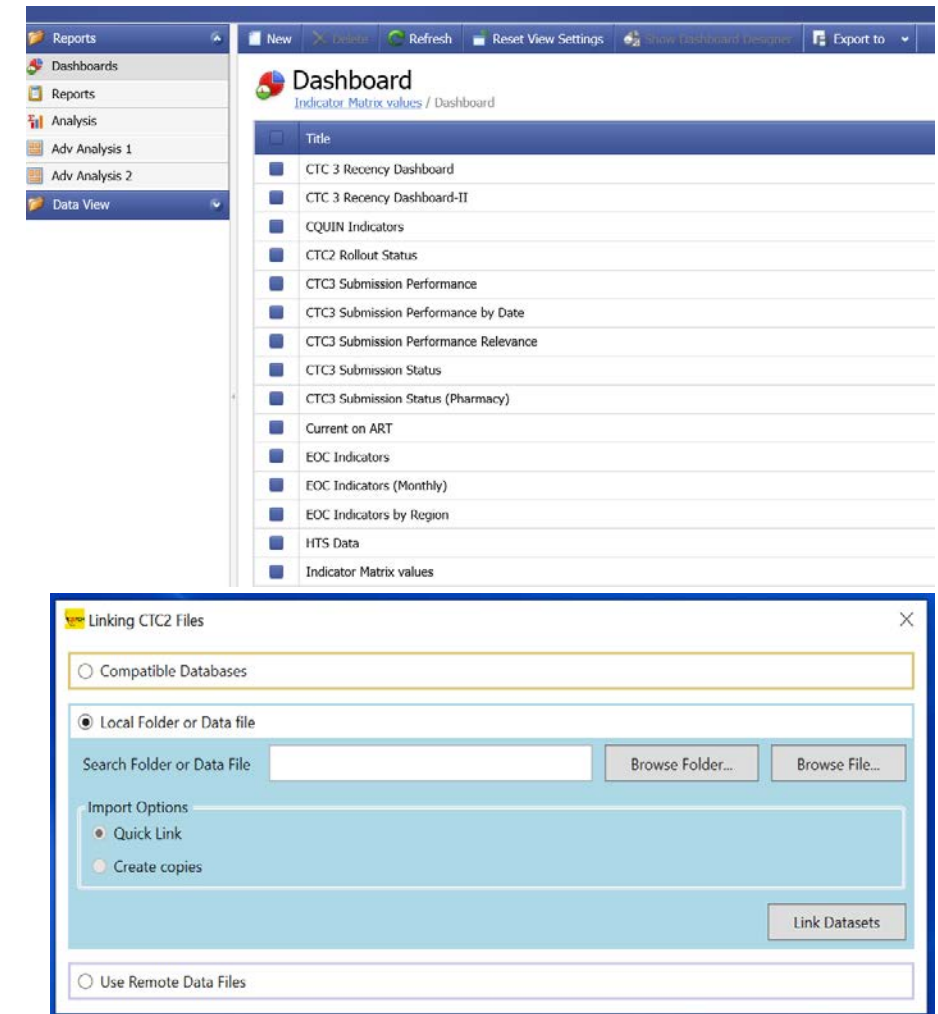
Case study of site closures

- **Amana Hospital in Dar es Salaam**
 - TX_CURR 6,749 as of March 31st
 - Closed on April 17th to become designated COVID-19 treatment center
 - Average daily attendance 130
- **SOP developed by IP and shared for national adoption**
 - Determine alternate sites for services and prepare with tools, equipment, supplies and HRH
 - Trace expected clients and direct
 - Poster at entrance, information with gateman, option for community outreach refill near facility
 - Data management



Ensuring data use for decision making

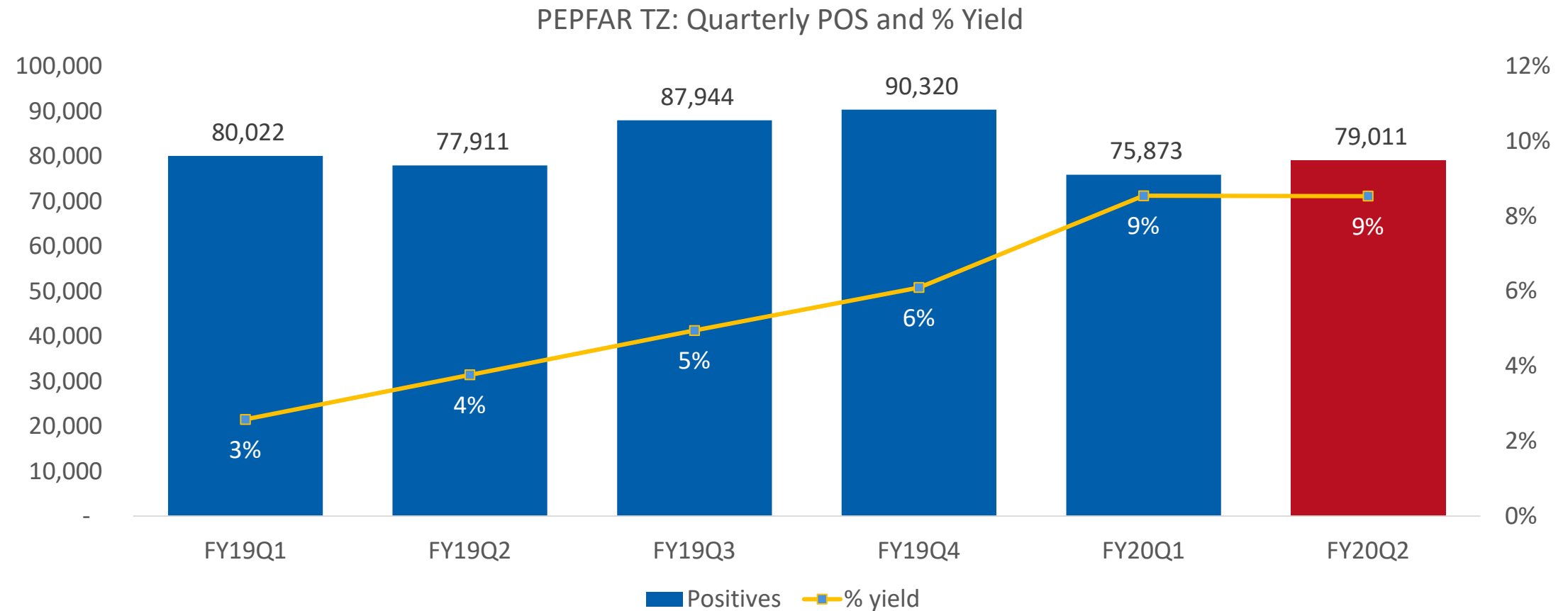
- Progress on harmonizing indicators in national clinical data repository to ensure consistency of data viewed across GoT and PEPFAR
- Adoption of electronic site tool to facilitate site level data use and remote monitoring and support through enhanced capacity for timely data analysis to inform site level support using a continuous quality improvement approach



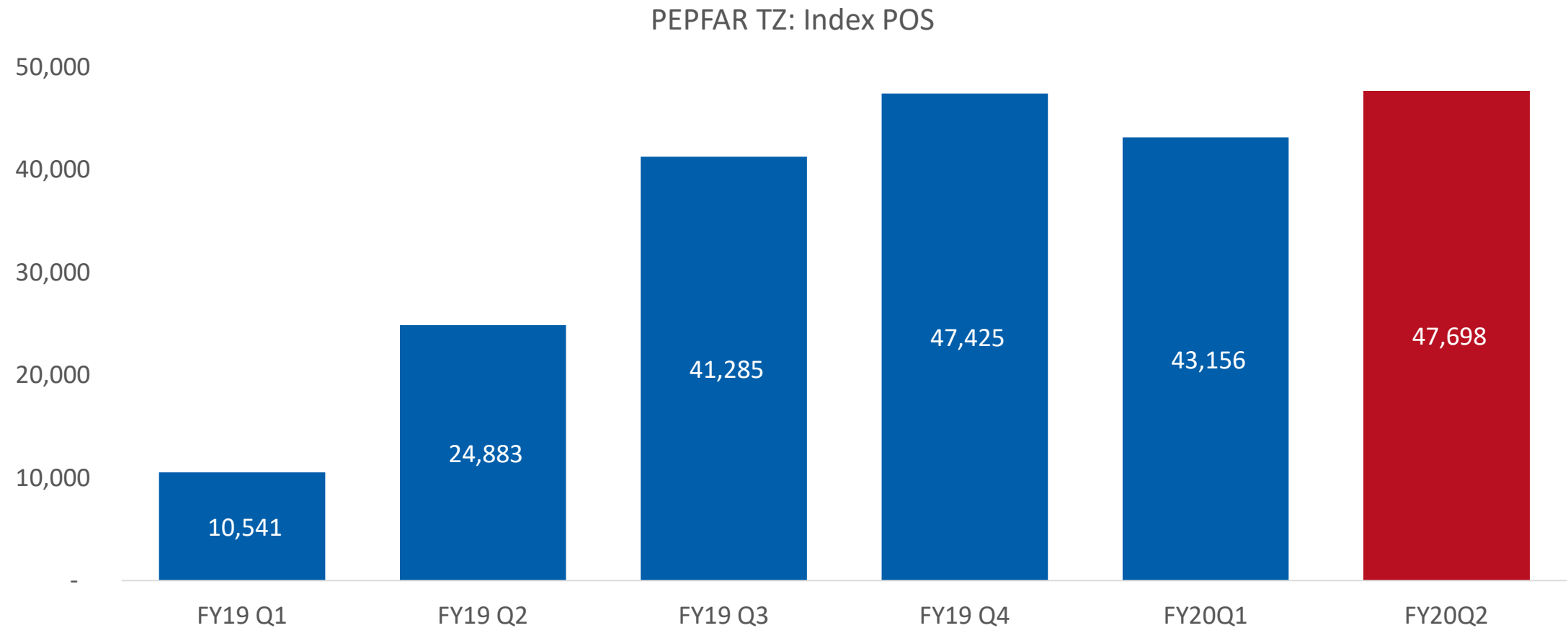


Performance Trends

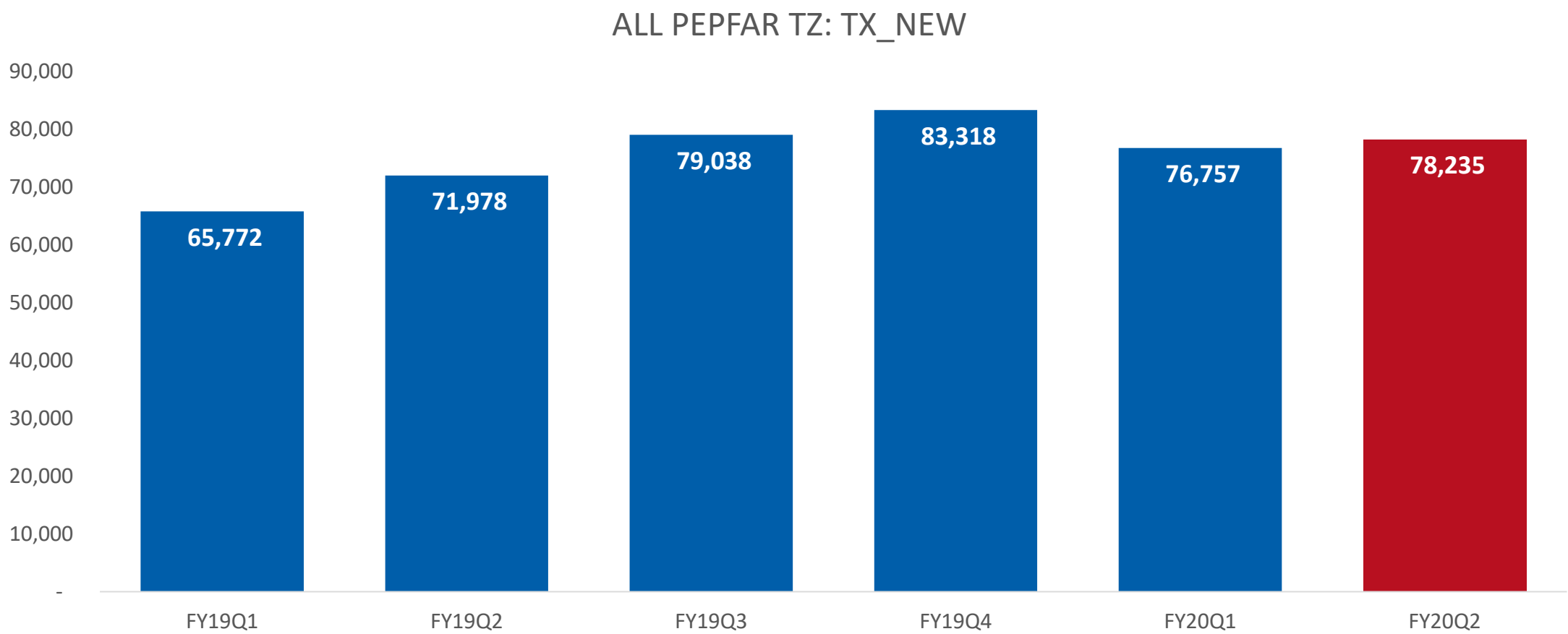
FY19 Q1-FY20 Q2: Positive and %Yield Trend



Index testing positive identification



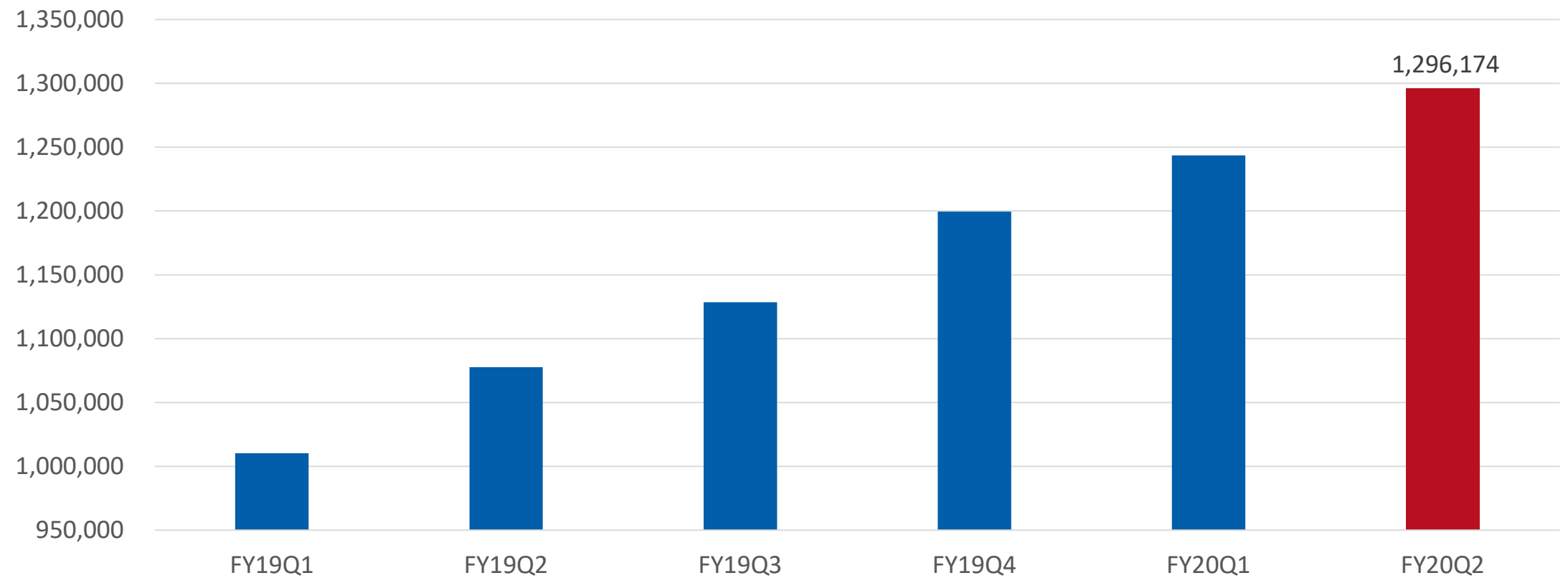
TX_NEW performance



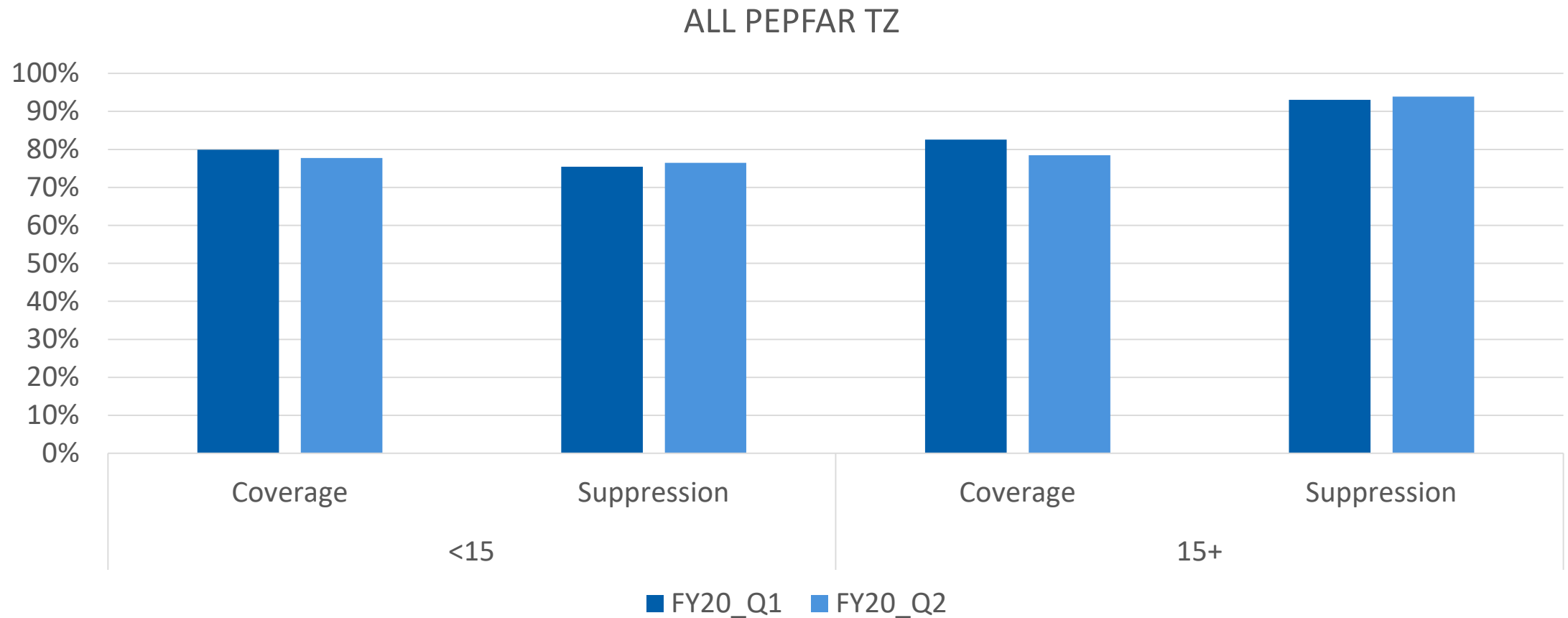


TX_CURR Growth

PEPFAR TZ: Sustaining TX_CURR Growth



HVL coverage and suppression by age





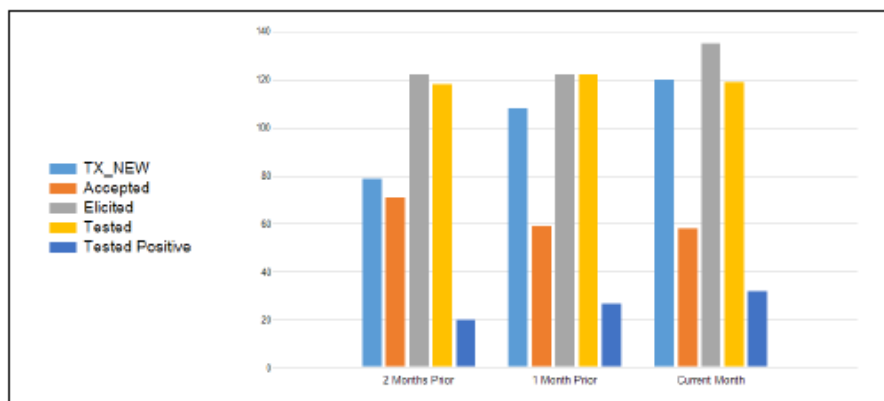
Intensified site support and site level monitoring

VERSION 1.0

Site Name: Geita Hospital - Regional Referral Hospital	
MOH_ID: 101192-3	DATIM_ID: R1z938yBN3C
Council: Geita TC	Partner: MDH
Region: Geita	Agency: HHS/CDC
Month of Report: March 2019	Data as of date: Apr 16, 2019

Overall Site Score: 70%

A. Index Testing	Nov 2018 - Jan 2019	Dec 2018 - Feb 2019	Jan 2019 - Mar 2019	Score (Max)
1. Index Acceptance Proxy (Index Clients who listed Partners / TX_NEW)	92 % 72/78	59 % 60/102	49 % 59/120	0 (4)
2. Index Elicitation Rate (Partners per Index Client)	1.7 123/72	2.1 123/60	2.3 136/59	8 (8)
3. Index Testing Rate	97 % 119/123	100 % 123/123	88 % 120/136	8 (8)
4. Index Positivity Rate	18 % 21/119	23 % 28/123	28 % 33/120	8 (8)

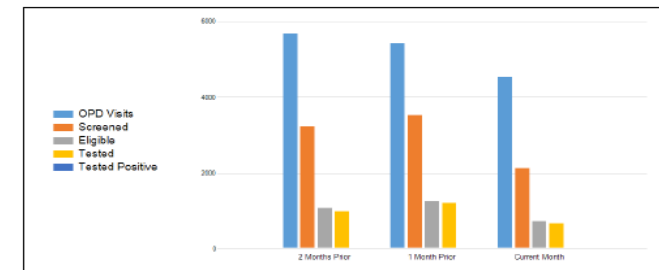


D. Retention	2 Months Prior	1 Month Prior	Current Month	Score (Max)
1. Retention Rate	98 % 4312/4405	105 % 4628/4407	99 % 4439/4467	8 (8)
2. Multi Month Scripting	33 % 768/2345	41 % 885/2154	44 % 957/2190	4 (8)

E. TB	Jan 2019 (Jul 2018 cohort)	Feb 2019 (Aug 2018 cohort)	Mar 2019 (Sep 2018 cohort)	Score (Max)
1. IPT Completion Rate	88 % 29/33	97 % 215/221	97 % 102/105	8 (8)

F. Viral Load	Feb 2018 - Jan 2019	Mar 2018 - Feb 2019	Apr 2018 - Mar 2019	Score (Max)
1. Viral Load Coverage	95 % 1232/1303	70 % 2479/3527	74 % 2697/3643	0 (8)
2. Viral Load Suppression	91 % 1126/1232	95 % 2344/2479	95 % 2559/2697	8 (8)

B. Optimized PITC	2 Months Prior	1 Month Prior	Current Month	Score (Max)
1. Optimized PITC Screening Rate (Screened / OPD Visits)	57 % 3278/5723	65 % 3570/5466	47 % 2166/4575	0 (4)
2. Optimized PITC Eligibility Rate	34 % 1123/3278	37 % 1308/3570	36 % 776/2166	2 (4)
3. Optimized PITC Testing Rate	92 % 1038/1123	96 % 1258/1308	91 % 708/776	4 (4)
4. Optimized PITC Testing Yield	4 % 44/1036	4 % 55/1258	5 % 37/708	4 (4)

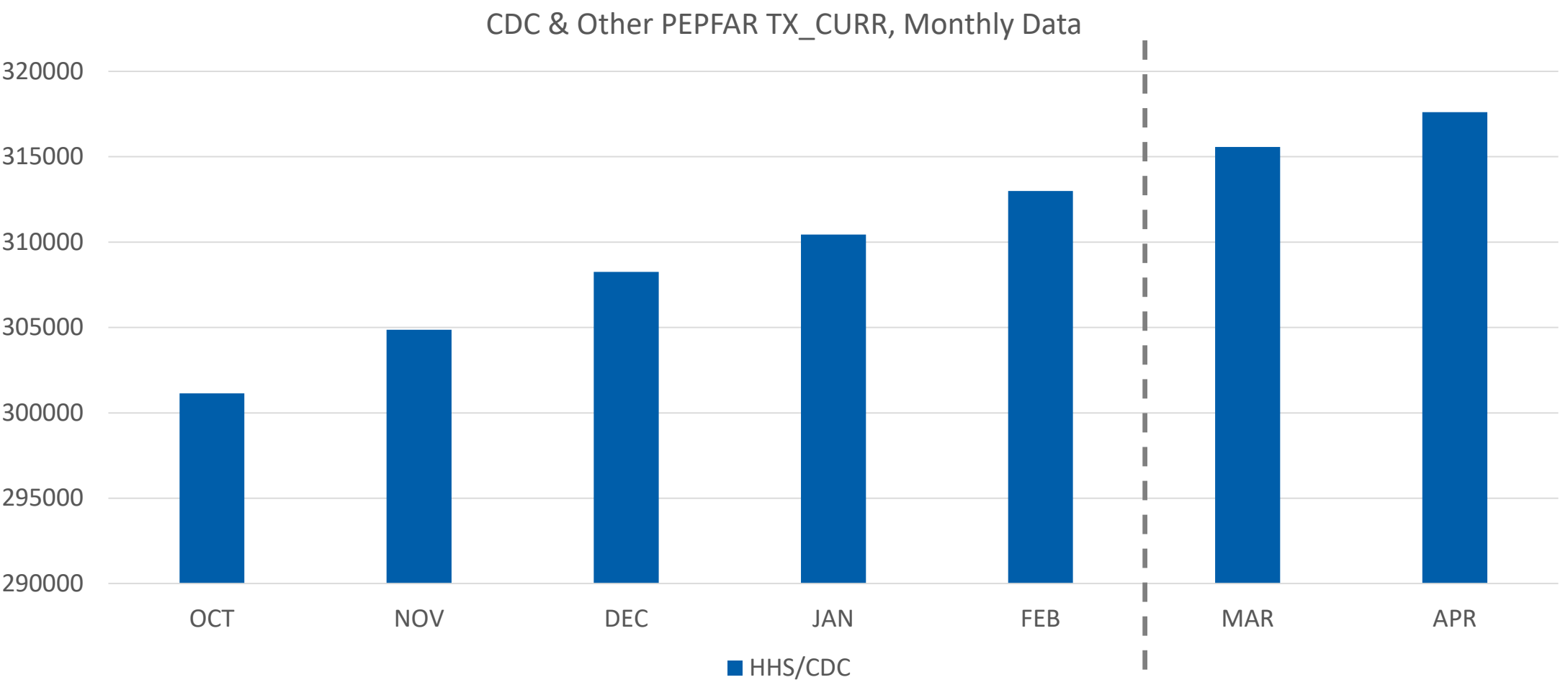


C. Linkage	2 Months Prior	1 Month Prior	Current Month	Score (Max)
1. LCM Uptake Rate	44 % 42/95	61 % 53/87	37 % 37/101	0 (4)
2. Same Day Initiation (within 7 days)	86 % 69/80	88 % 96/109	90 % 109/121	8 (8)
3. Early Retention (received refill)	40 % 32/80	39 % 42/109	40 % 49/121	0 (4)

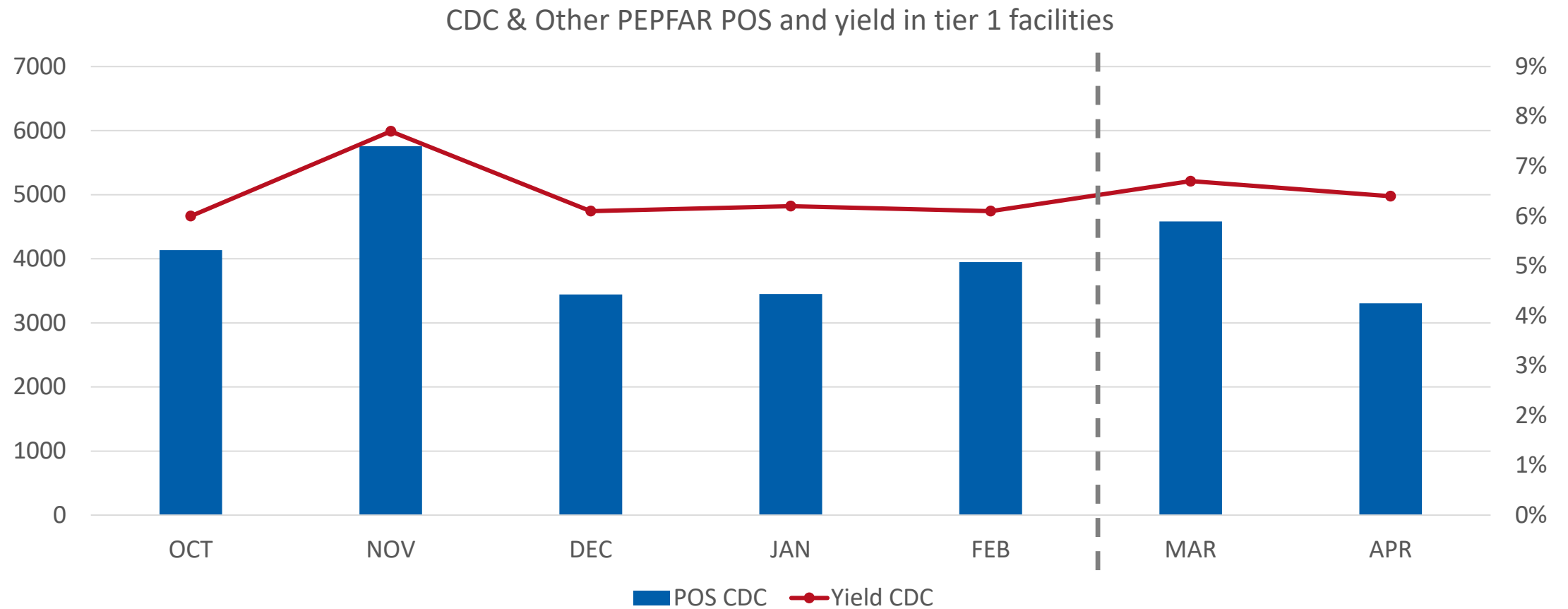
Monthly data

From highest volume facilities hosting 80% of TX_CURR

TX_CURR monthly trend Oct-April

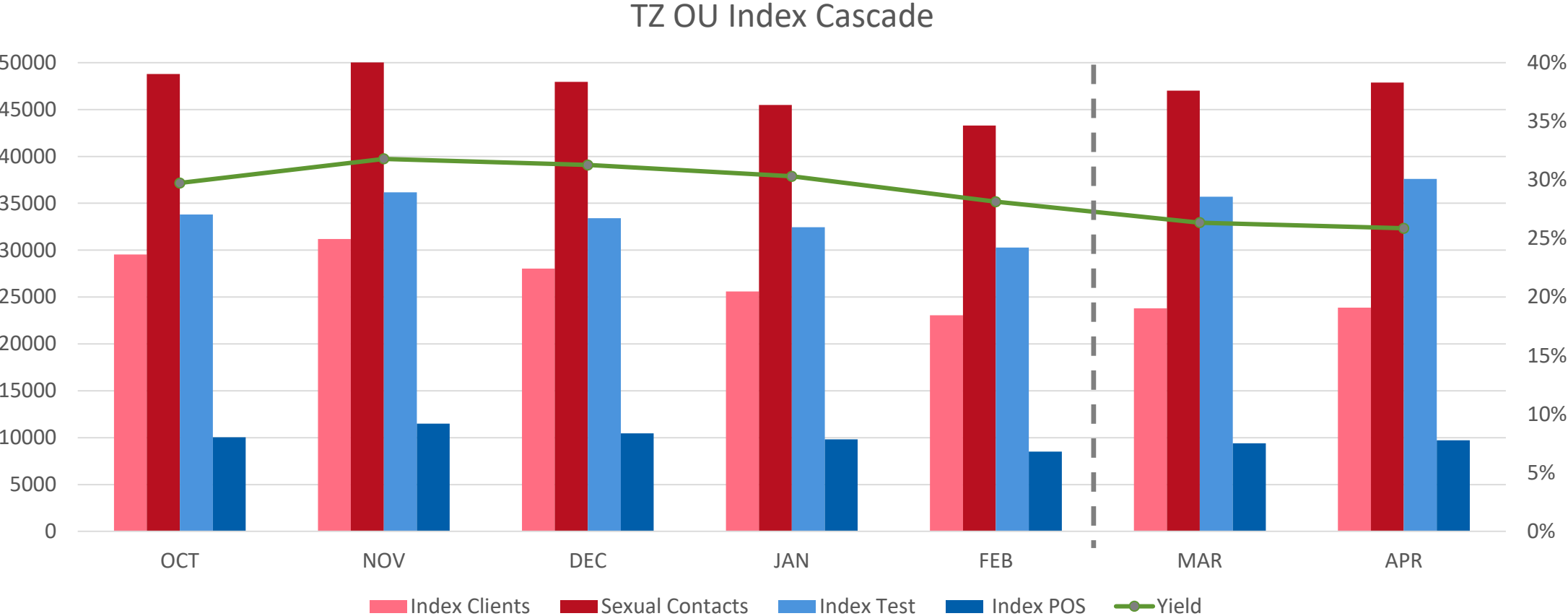


Monthly HTS_TST_POS



Source: Monthly portal

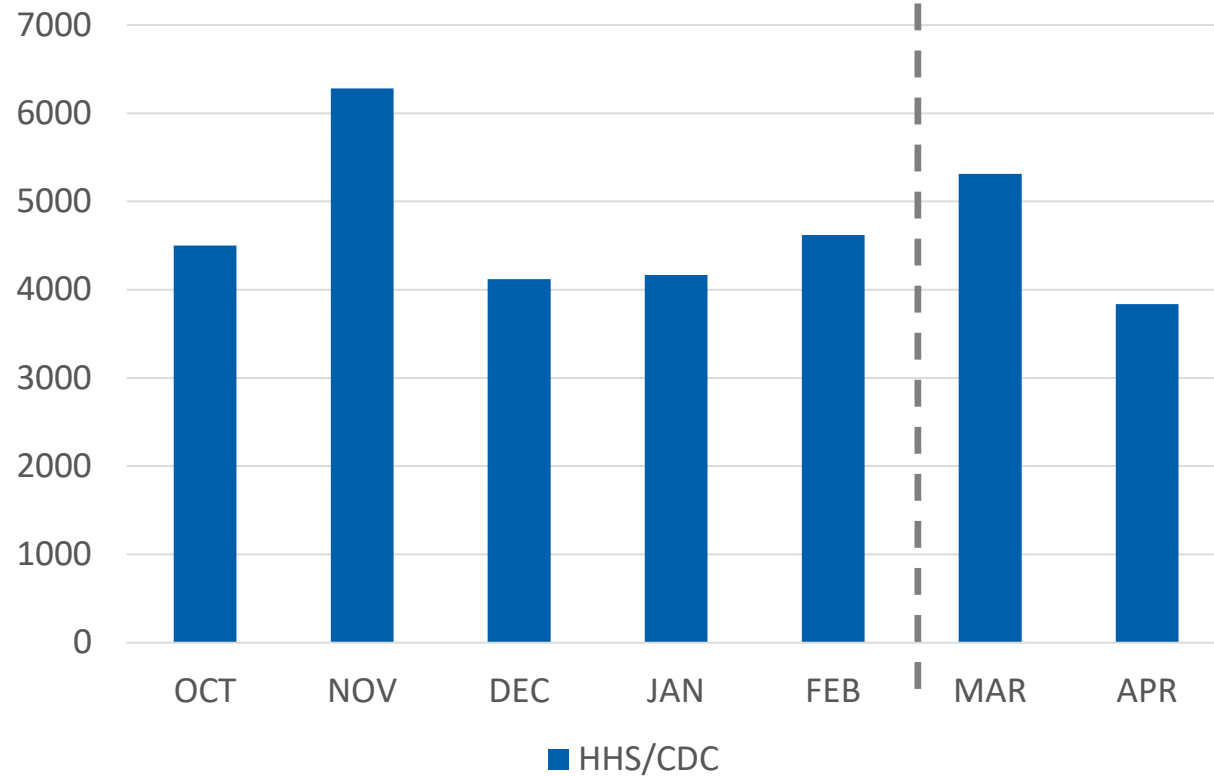
Monthly Index Cascades



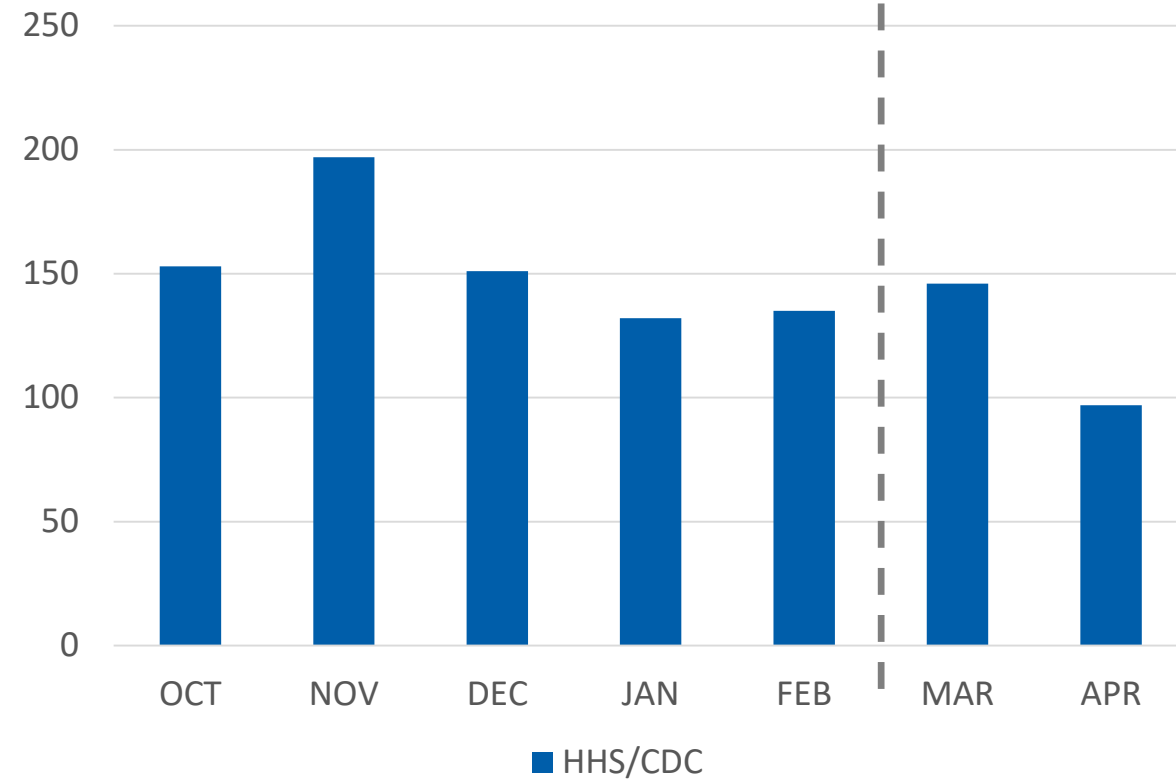
Source: Monthly portal

Monthly Monitoring: TX_NEW

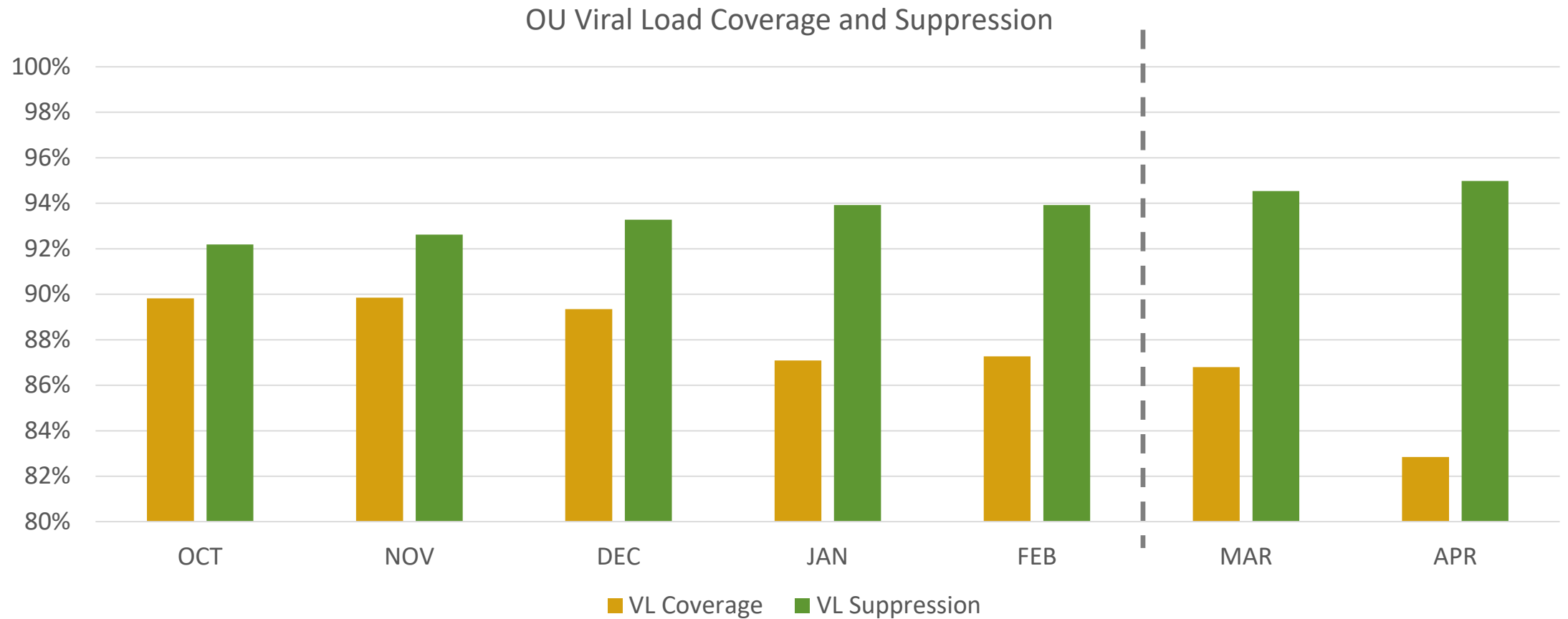
CDC TX_NEW, 15+



CDC TX_NEW, <15

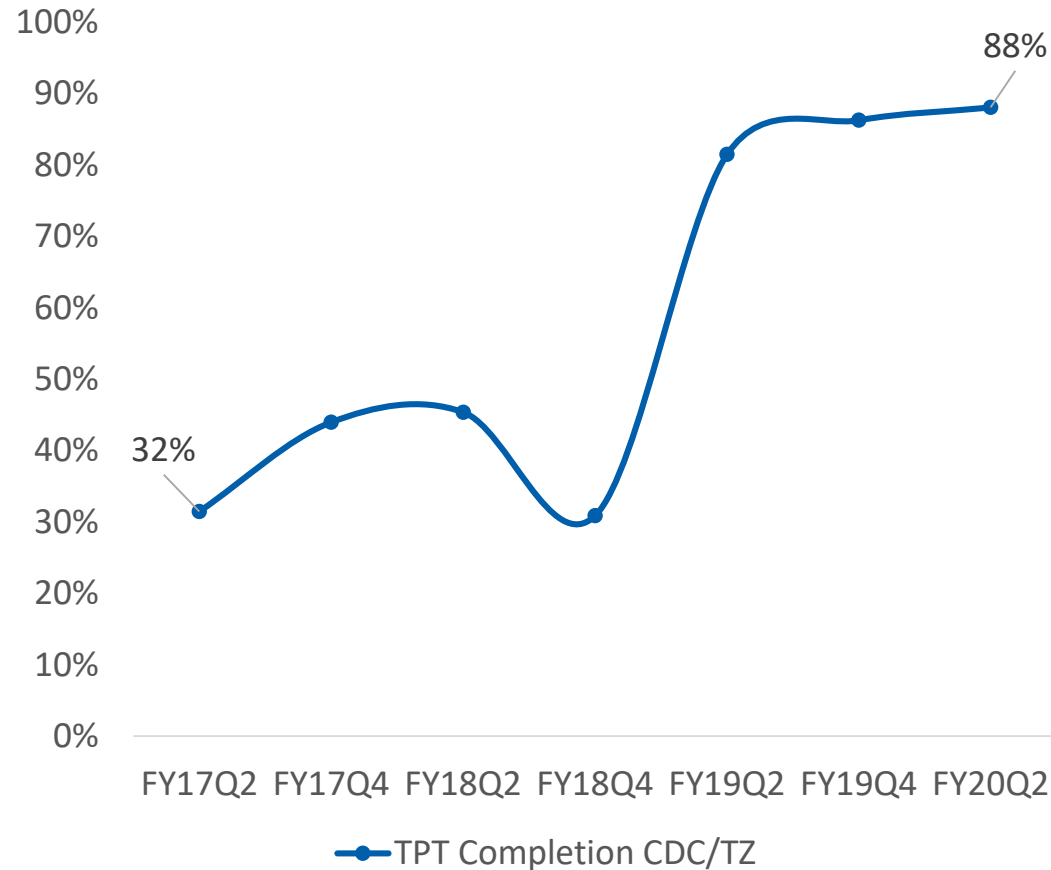


Monthly: HVL coverage and suppression



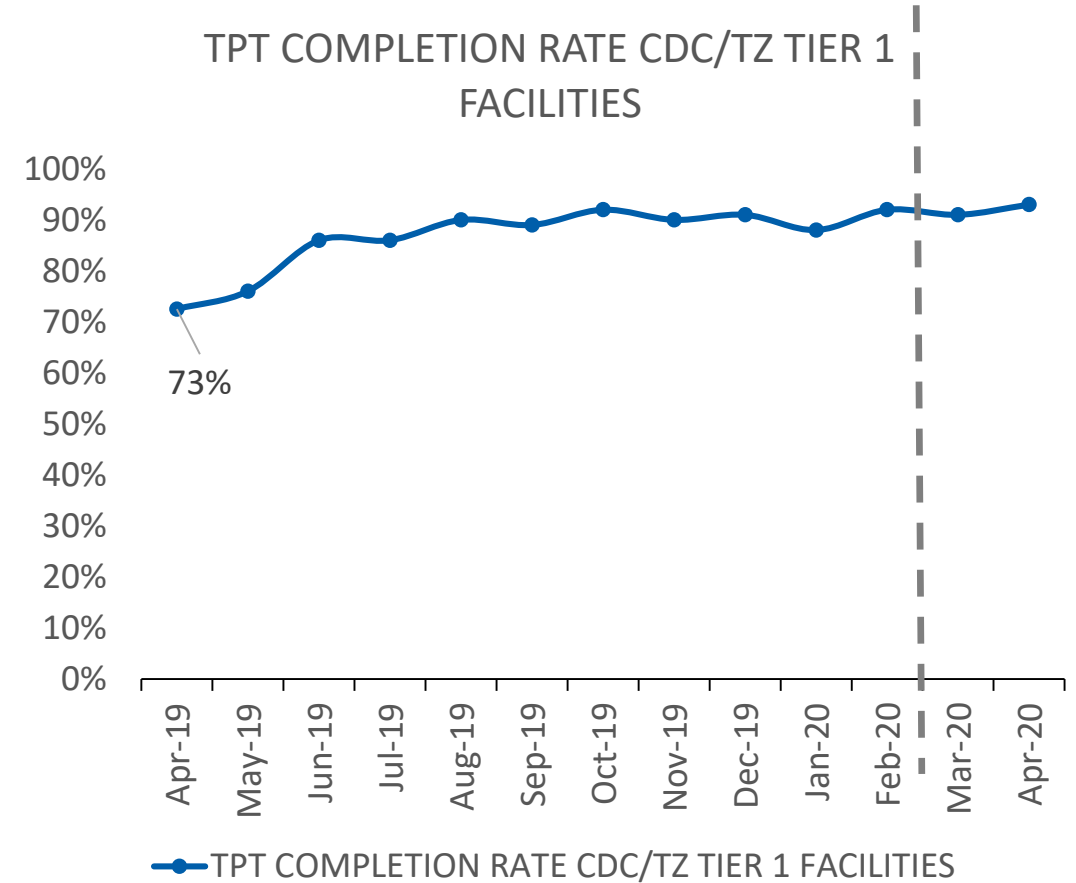
TPT scale up: semiannual and monthly data

**SEMIANNUAL TPT COMPLETION RATE CDC
FY17Q2 TO FY20Q2**



SOURCE: DATIM

**MONTHLY TPT COMPLETION RATE CDC TIER 1 FACILITIES
APRIL 2019 TO APRIL 2020**

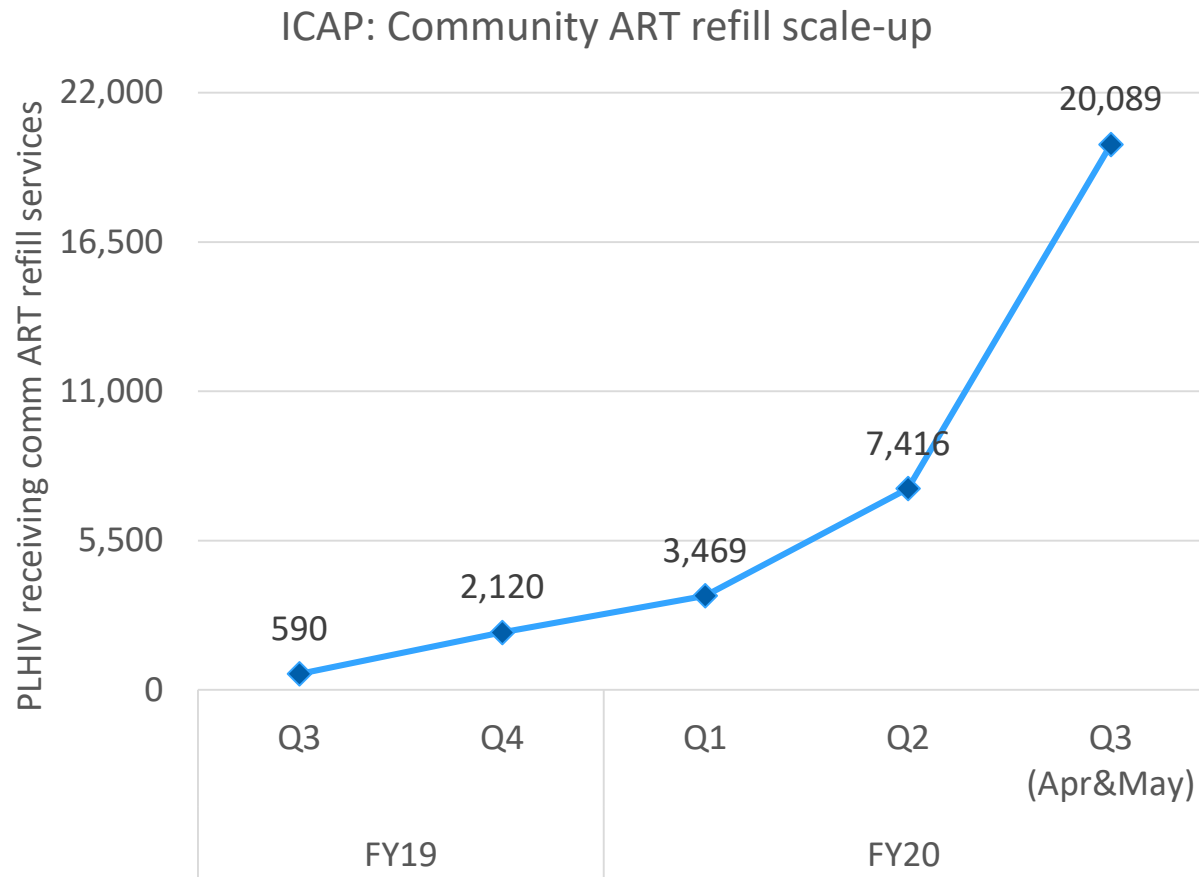


SOURCE: MONTHLY PORTAL



Differentiated Service Delivery

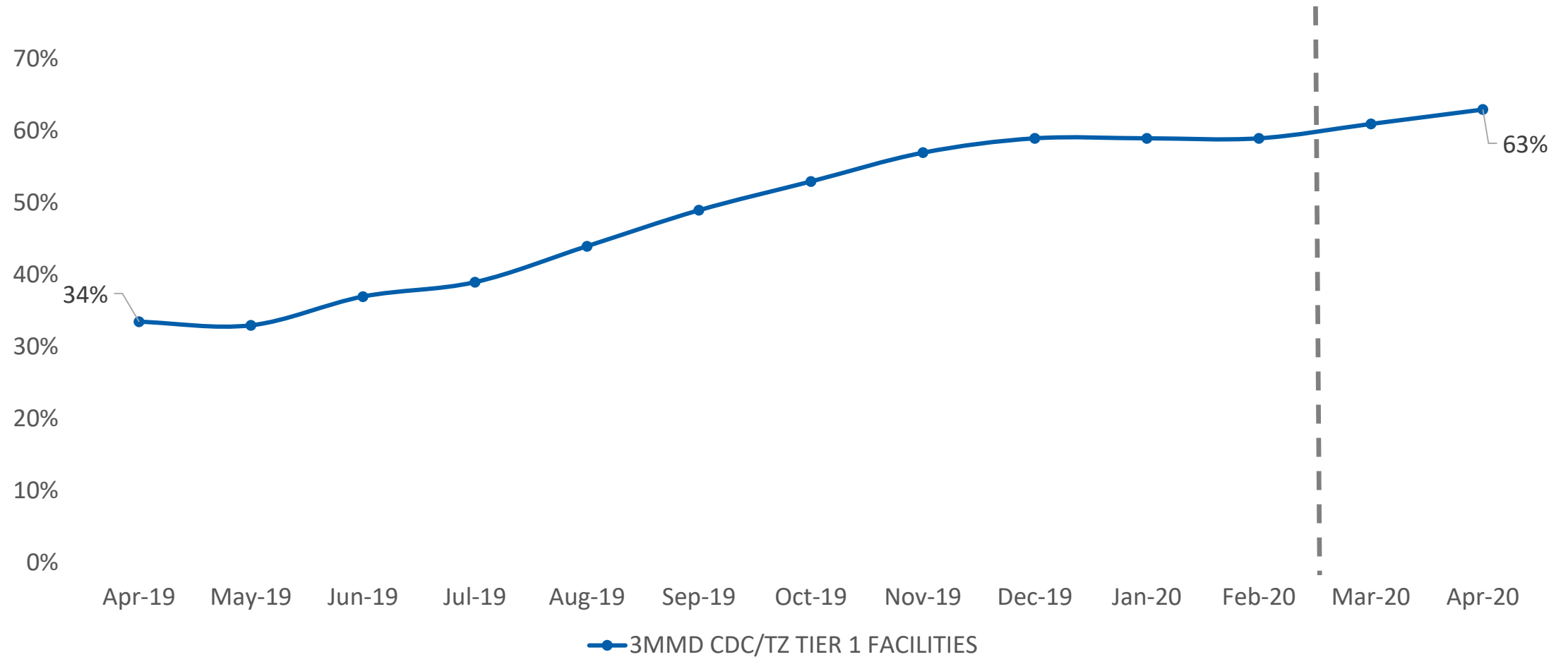
Facility-led Community ART refill services: ICAP example



- ❑ Facility-led community ART refills rapidly scaled up in Q2
- ❑ Mobile clinic helping to support delivery of services
- ❑ Lab services like VL sample collection and CD4 test done at community site

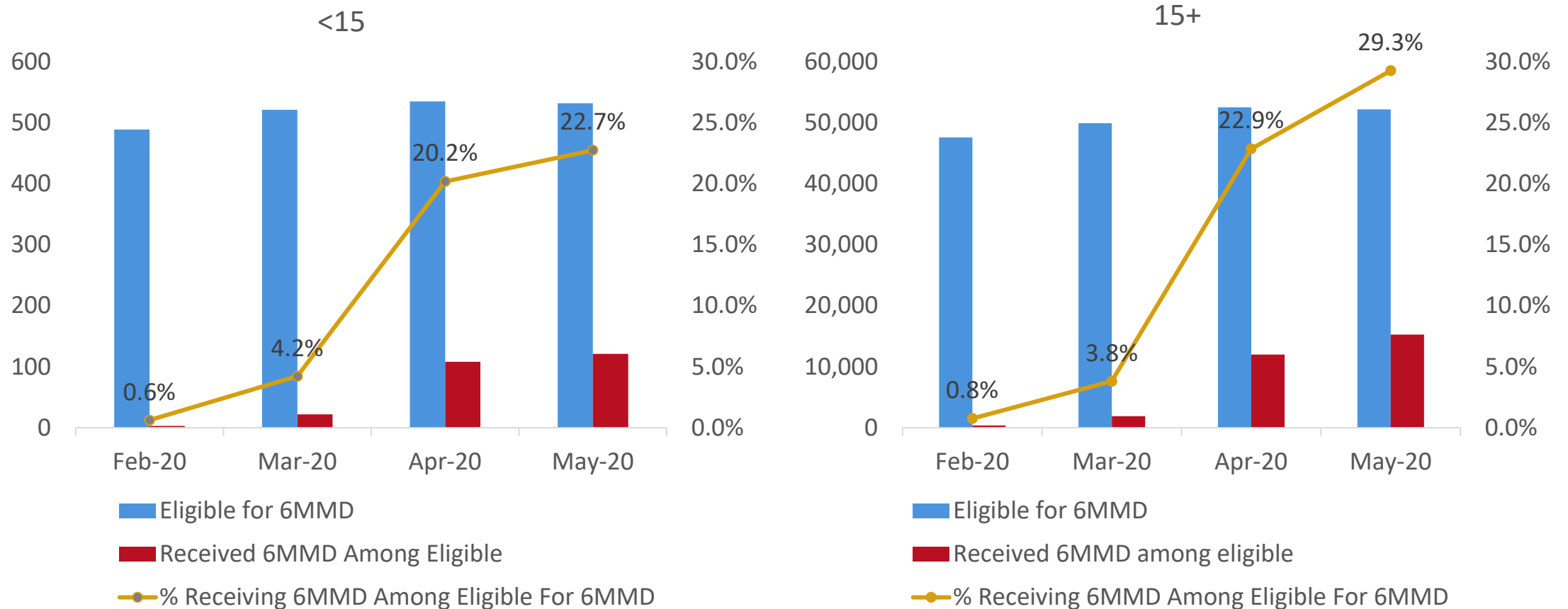


3MMD trend

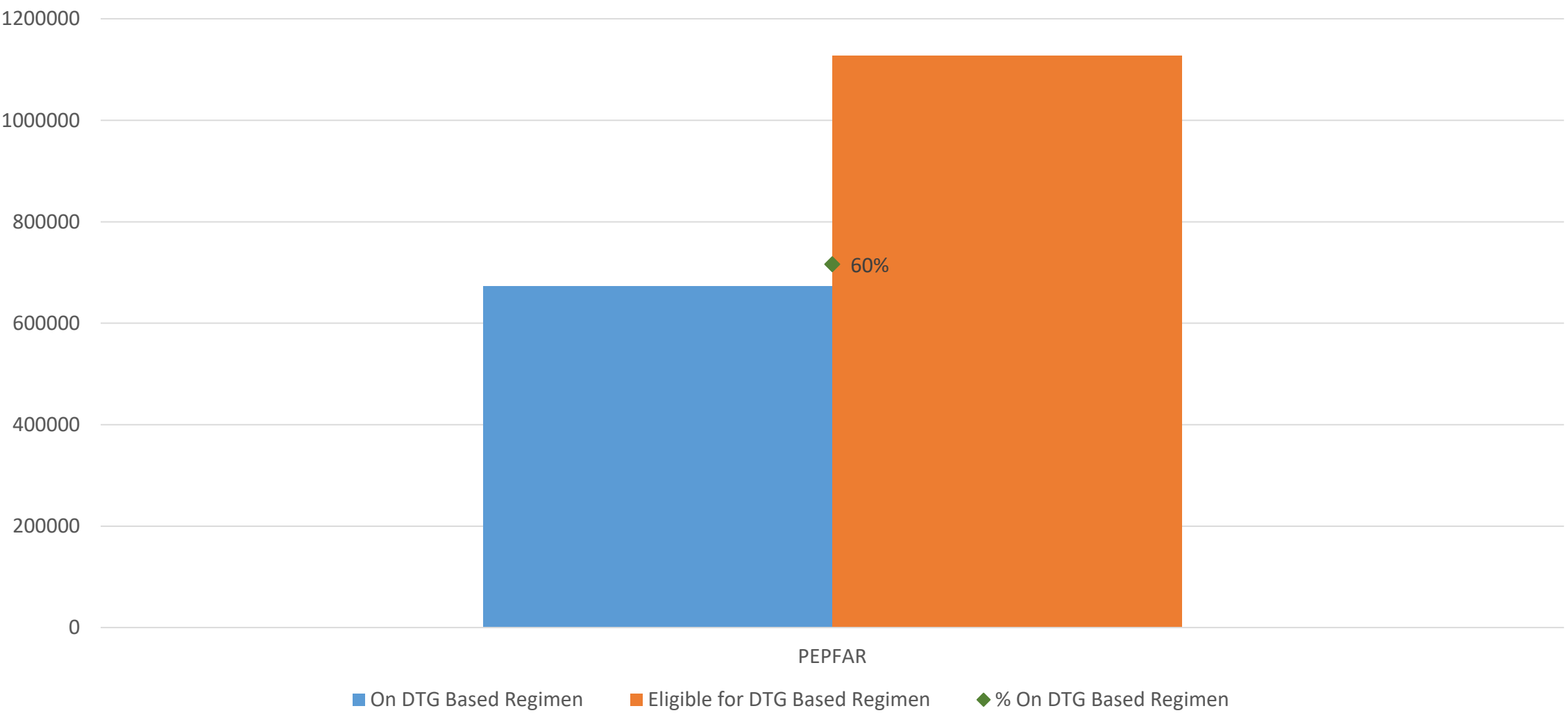


• **SOURCE: MONTHLY PORTAL**

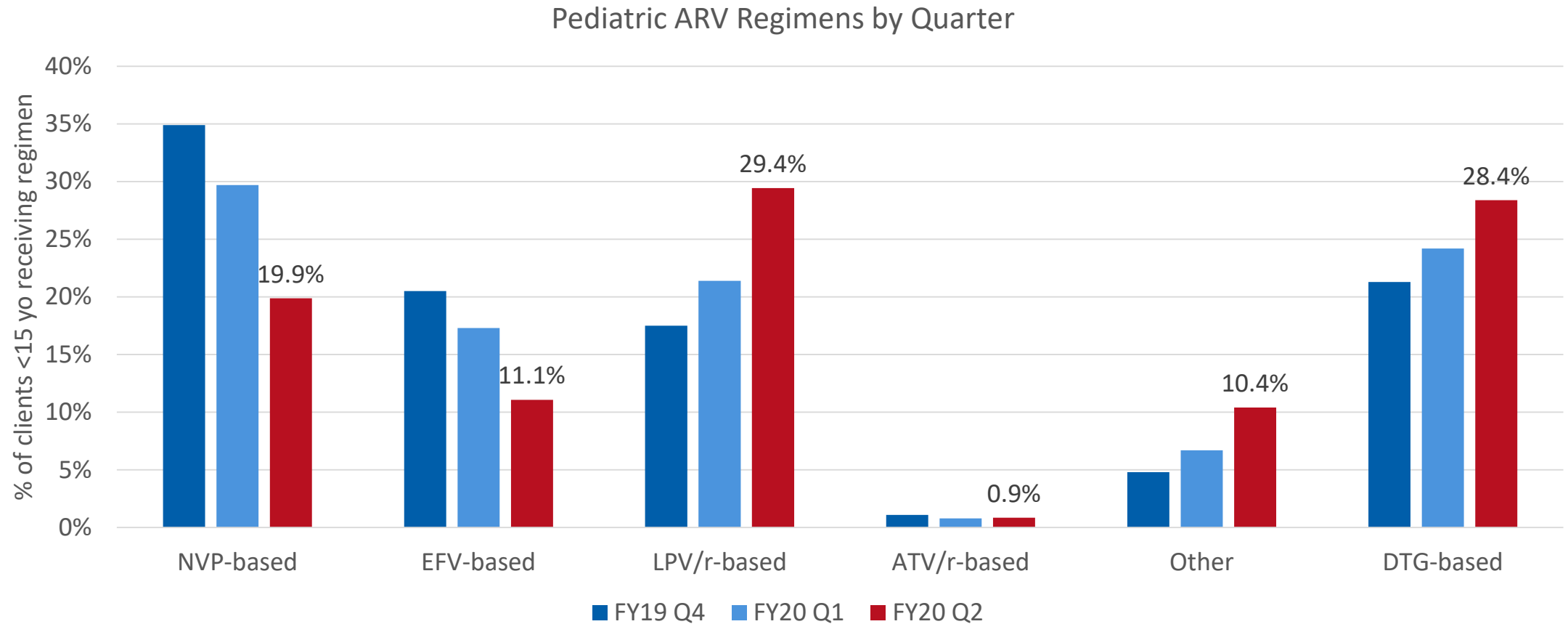
6MMD trend in Dar es Salaam



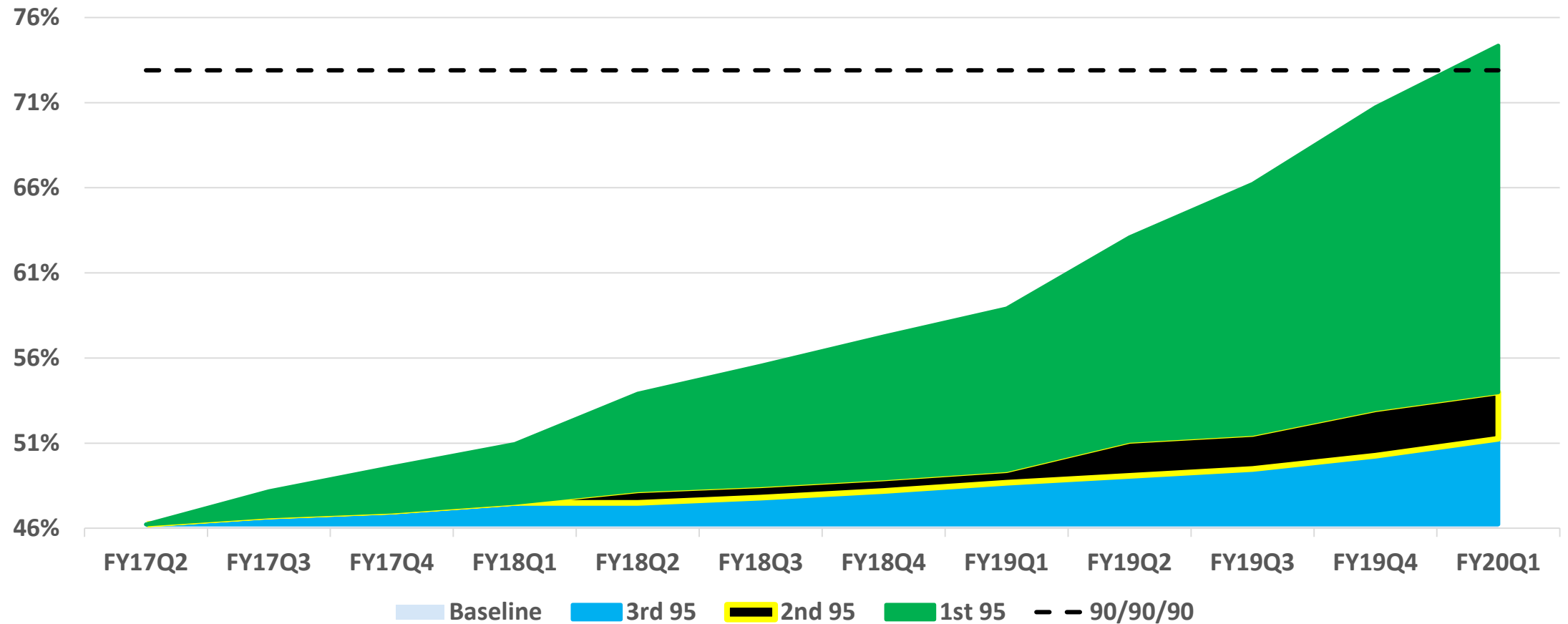
TLD transition



Optimizing pediatric ARV regimens



Progress towards Community Viral Suppression



Way forward

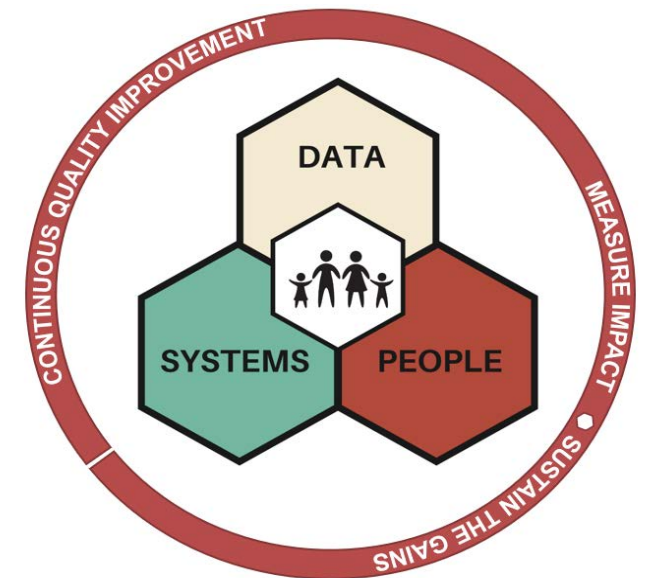


- **Sustain HIV program performance with continued preventive measures against COVID-19**

- Granular site management through regional teams using monthly data
- Monthly leadership meetings with facility and community IPs
- Quarterly partner management meetings using quarterly performance and monthly data
- Strengthen data quality, completeness and timeliness

- **Anticipated impacts**

- VMMC
- Curriculum-based packages for DREAMS
- PITC





Thank you

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