

Implementing Long-Acting Studies in Adolescents: lessons from the field



IMPAACT

International Maternal Pediatric Adolescent
AIDS Clinical Trials Network

ANNUAL MEETING

2022

Overview

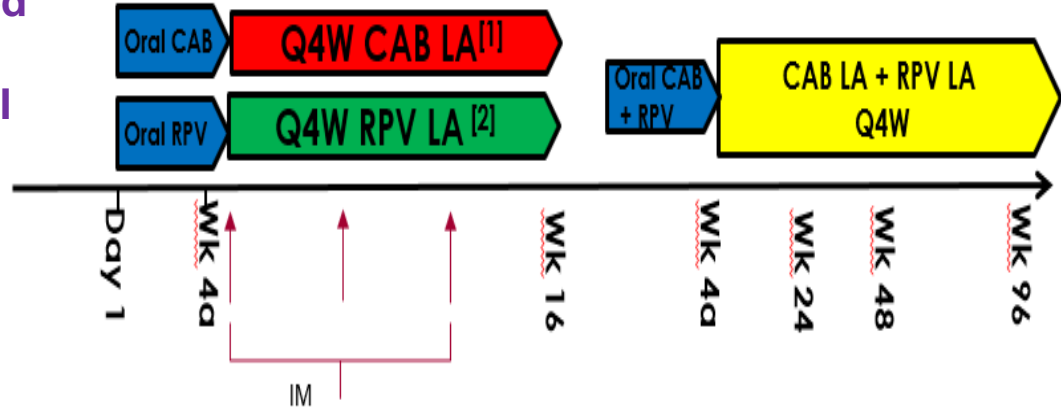
- ▶ **Recruitment lessons learned (5 minutes)**
- ▶ What the patients and their families are telling us (15 minutes)

MOCHA: Study Design

Protocol version 3.0 changed
Q4W to Q8W dosing
Version 4.0 includes O.O.L.I

Cohort 1
(Add on to background cART)
n=15 CAB
n=15 RPV

Cohort 2
(No background cART)
n=100



- Population at entry: HIV-infected, virologically suppressed adolescents (12 to <18 years old) on stable cART consisting of 2 or more drugs from 2 or more classes of ARV drugs.
- Cohort 1 participants are assigned to **Cohort 1C** (receive CAB + cART) or **Cohort 1R** (receive RPV + cART) based on their pre-study cART regimen.

[1] PI/NNRTI based cART

[2] INI based cART.

Recruitment experience

Enrollment overview

- ▶ IMPAACT 2017 was opened to accrual on March 19, 2019 and the first participant enrolled April 3, 2019
- ▶ Cohort 1 closed to enrollment Nov 25, 2021 after 30 participants enrolled in Cohort 1C and 25 in Cohort 1R.
- ▶ Of note, accrual was paused from March 2020 through February 2021 due to the COVID-19 pandemic, as directed by the network.
- ▶ Cohort 2 opened to enrollment of Cohort 1 naïve participants May 2nd, 2022
- ▶ Taking a look at the enrollment experience of Cohort 1 and Cohort 2

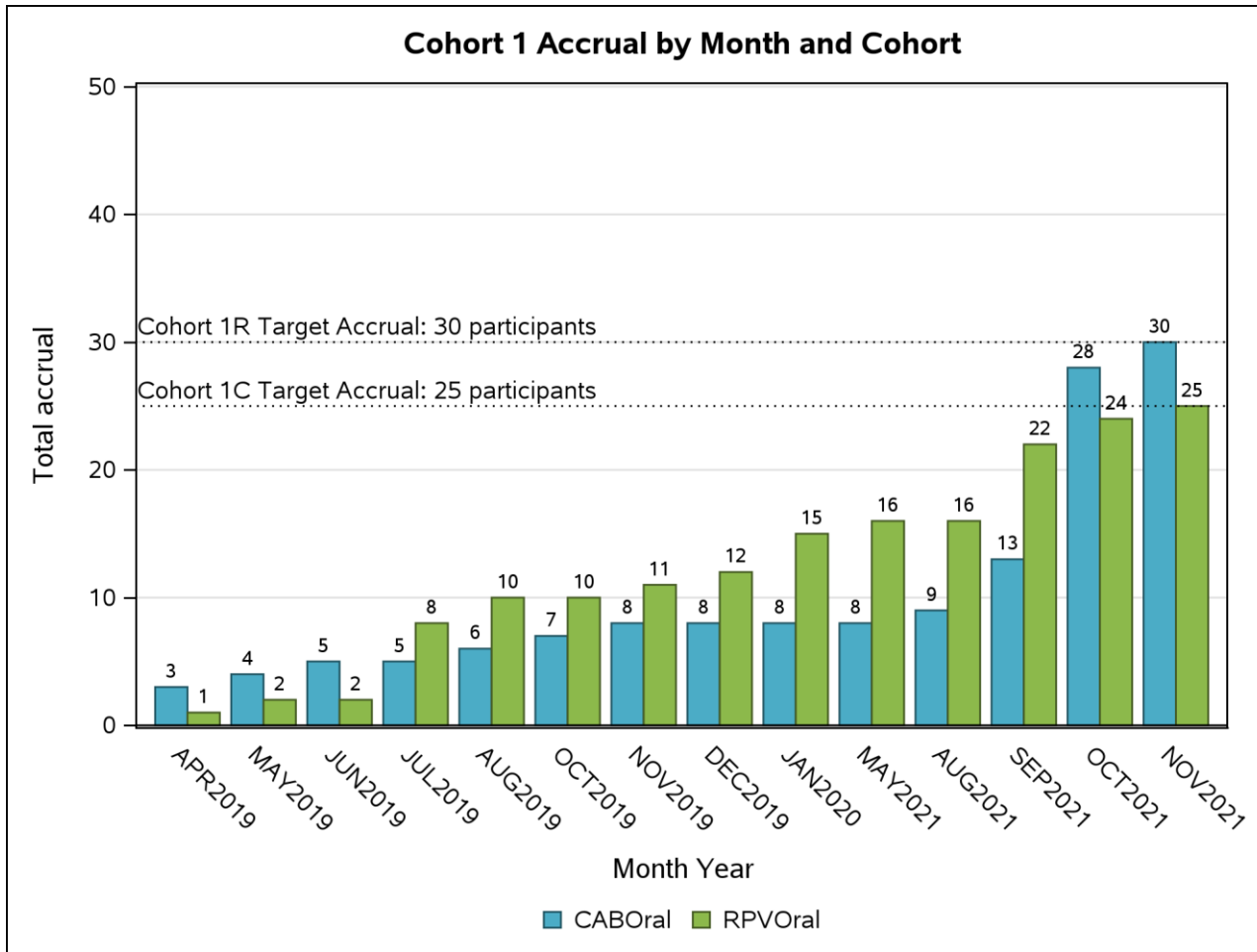


Figure credit to Ryan Milligan at SDAC

Assessing challenges to recruitment in the US

- ▶ Teleconferences with sites were scheduled in two rounds in late 2019.
 - ▶ Round 1 of calls was held with 15 sites that had projected at least one Cohort 1 enrollment per the July 2019 updated accrual projections but had not yet met their projections.
 - ▶ Round 2 of calls was with the remaining 5 sites that had either met their enrollment projection or had projected zero enrollments for Cohort 1.

Feedback from sites

Pre-Screen Failure Reason	Number of Sites Reporting	Suggested Action Item for Sites	Suggested Action Item for Protocol Team Consideration
Potential participant declines due to time commitment/visit burden/visit frequency	7	Parent-to-parent discussion; peer-to-peer discussion; Sites to reconsider incentives, as appropriate	Amend protocol; develop a video and other audio/visual media describing the benefits of research
Increase in viral load (<u>note</u> : this does not separate out multiple “blips” within the 6-month timeframe from significant elevations)	6	using the study as an incentive for maintaining low VL	Amend protocol to be more lenient to allow for blips
Potential participant declines due to fear of injections	5	Peer-to-peer discussions	Develop a video or other audio/visual media depicting an enrolled participant receiving the injection and sharing their experience

Note: Patients on Boosted elvitegravir regimen were not eligible for Cohort 1

Virologic Suppression Criteria - Implementation

From plasma HIV-1 RNA testing:

12-18 months prior to entry (365-545 days)	6-12 months prior to entry (180-365 days)	Within 6 months prior to entry (within 179 days)		At Screening	Eligible
At least 1 test result less than lower limit of detection of the assay – Inclusion 4.1.8		At least 1 test result less than lower limit of detection of the assay – Inclusion 4.1.8	Does NOT have two consecutive documented HIV-1 RNA values greater than the lower limit of detection of the assay – Exclusion 4.2.1	< 50 copies/mL – Inclusion 4.1.11	Eligible
	At least 1 test result less than lower limit of detection of the assay – Inclusion 4.1.8				Eligible

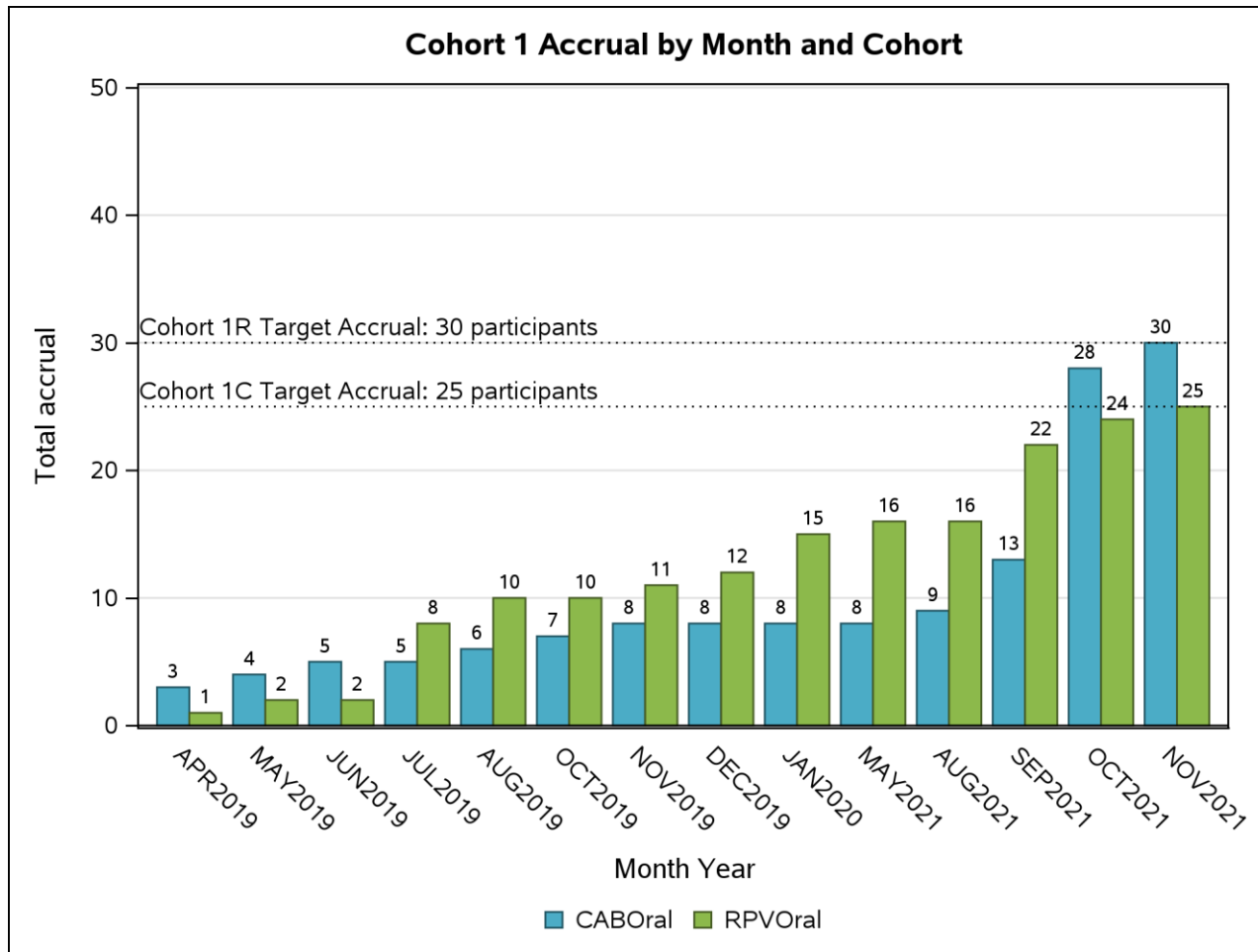


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IMPAACT 2017 Cohort 1 enrollment

- ▶ Enrollment was likely impacted by regional differences in background cART regimen of potential participant cohorts
- ▶ Domestic enrolments:
 - ▶ 25 participants were enrolled across 8 sites in the United States (USA)
- ▶ International enrolments:
 - ▶ Five participants were enrolled across 2 sites in Botswana (BWA), 8 participants were enrolled across 2 sites in Thailand (THA), and 17 participants were enrolled across 3 sites in South Africa (ZAF)
- ▶ Enrollment by collaborating sites in South Africa and Thailand was critical to timely completion of enrollment in Cohort 1

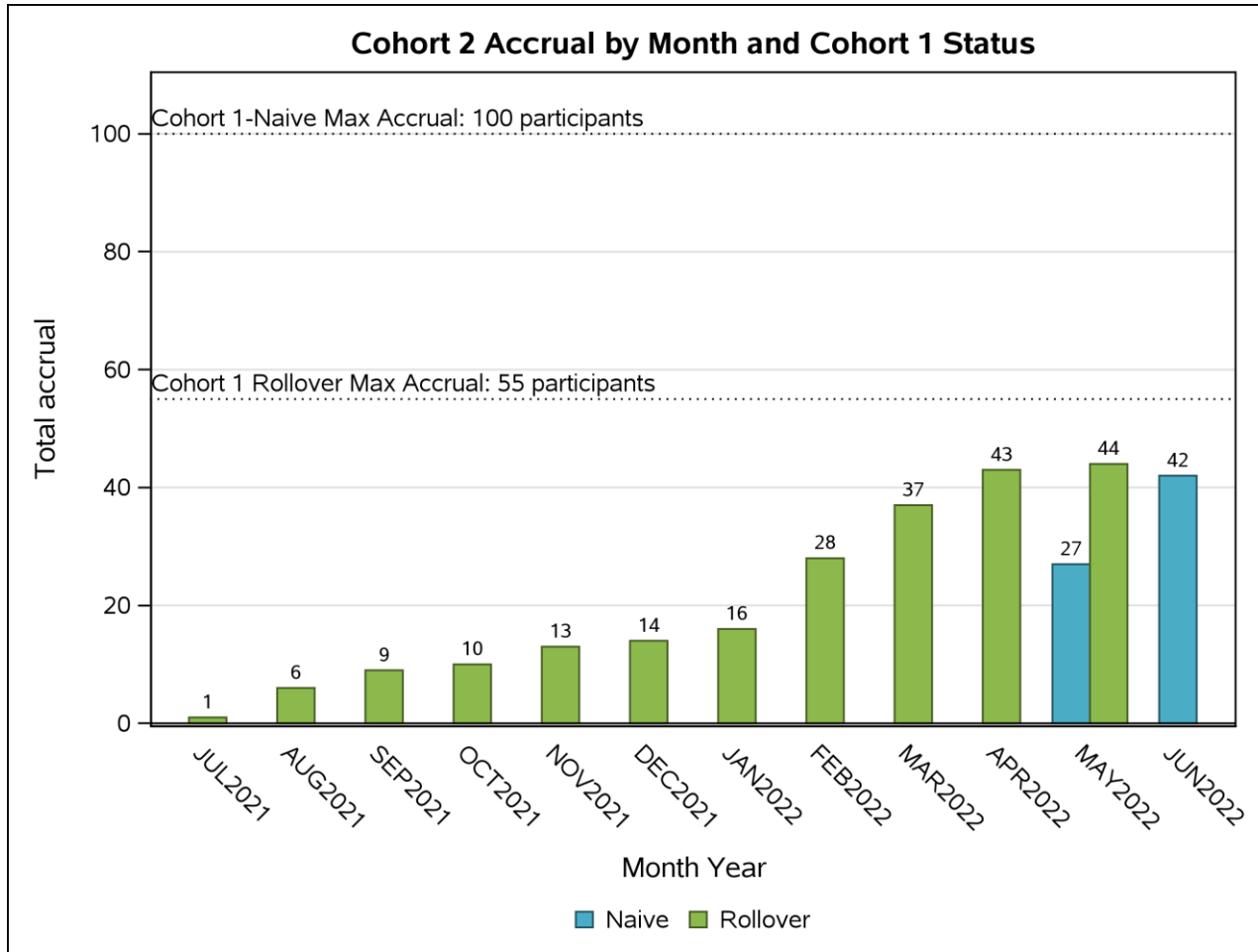


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IMPAACT 2017 Cohort 2 enrollment

- ▶ Enrollment at a remarkable pace and majority at non-US sites – we look forward to learning from the enrolling sites what they are seeing....hearing from potential participant approaches
- ▶ Highlights the strength of the IMPAACT Network and most importantly some of the member sites
- ▶ Understanding what worked and what can be improved from the experience with this all long-acting antiretroviral regimen protocol maybe informative for other long-acting injectable studies to follow

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**We
appreciate
the
contributions
of the study
participants
and their
families**

