

PLENARY 4

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“The payer’s perspective: Accelerating LA HIV prevention products from R&D to programs: Opportunities and challenges”

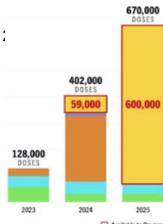
PEPFAR supports a multi-product HIV prevention platform

Programmatic context.

- Choice is encouraged.
 - QD oral PrEP, QM DPV ring, Q2M CAB-LA (Recent roll out) are currently available.
 - Q6M LEN is promising (PURPOSE 1 and 2 results).
- There are many challenges, even with choice.
 - Economic feasibility and licensing are major bottlenecks for LAI introduction in LMICs.
 - Ministry/government concerns include: Price, Generic licensing, and Local registration.
- USAID and PEPFAR objective.
 - Convene global stakeholders to set favorable programmatic, policy, regulatory, and market conditions for program roll out of LAIs for HIV.

Long timelines (Approval to programs) in LMICs are unacceptable.

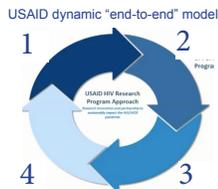
- CAB for PrEP roll out in nine countries.
 - Choice studies, Pilot projects, and “Real” programs (i.e., Procure & deliver to certain countries).
- Very limited CAB for program procurement.
 - Allocation of non-commercial CAB supply for PrEP in LMICs, :
 - * 955K of 1.2M doses are for program procurement.
 - 280K from PEPFAR to date (Orange)
 - 659K anticipated from ViiV (Yellow).
 - * 245K doses are committed to studies (Green and Blue).
 - 600K doses in 2025 means ~100K people on CAB-LA.
- Significant start up delay.
 - DCEs indicate LAI preference, but system preparedness takes time (i.e., Transition from QD oral to Q2M injection).



Lessons learned

Engage early. Each step from R&D to program implementation has multiple components.

- Harness research networks to advance R&D. Initial work with product developers.
- Optimize products to meet PEPFAR program needs. Ensure product acceptability (Fund DCEs and patient preference studies).
- Prime enabling environments to accelerate introduction. Fund AVAC to work with our community networks; policy and communication programs, and countries.
- Maximize program integration and impact. Program roll out and data collection to assess numbers and impact.



Impact of HIV prevention is disappointing.

Coordinated efforts to accelerate the timeline – How?

- Individual parties are doing well, but partnership is needed. PEPFAR buying power does not always translate to convening power.



* Huge delay from approve & recommend step forward, especially for HIV products.

Product introduction and access program challenges.

- Each element listed is funded.

Policy, Plans, & Costing	Supply Chain & Market Development	Service Delivery	Uptake & Effective Use	Monitoring & Evaluation	Cross-cutting Contributions
Global/national guidance Demand forecasting Implementation plans National strategies	Market shaping Demand forecasting Private sector Bottlenecks	Research collabs Implementation research DSD Provider training	End-user engagement Demand generation CQI	Resistance surveillance Routine M&E Data-informed approaches	Evidence/resources Global collabs Capacity building Civil society engagement

- We are investigating various service delivery channels for LAIs.
 - There is government push back on pharmacy & CHW options, even for testing.

- Our experience with medical male circumcision program roll out (i.e., Government negotiation & staff shifting) may help overcome ministry-level/policy constraints.
- Acceptability; Feasibility & deliverability; Affordability; & Sustainability.
 - Developing a product that stays in the market goes beyond safety & efficacy.
 - Special emphasis on sustainability and capacity building. PEPFAR aims to hand over programs.
 - Our framework to support R&D is based on 20y of experience.
 - Technology Accelerator hub. Support new R&D/Prioritize products.
 - Design 2 Delivery (D2D) hub. Incorporate stakeholder and end-user feedback.
 - Capacity strengthening engagement and mentorship (CaSE) hub. Build research partnerships and use R&D capacity in Africa for sustainability.
 - Business market dynamics and commercialization hub (BACH). Develop the business case for program success.
 - Clinical trials hub. Design and conduct early clinical trials (P0-P3) in US and Africa.

How to work with industry partners on new products.

- Touch points from R&D to roll out. Gilead and LEN example.

R&D (Research demand; Equity; Establish value proposition)	<ul style="list-style-type: none"> Engaged with Gilead on product affordability 3y ago. Helped prepare clinical trial sites (Community engagement, policy, etc). Funded a qualitative sub-study on end-user preferences.
Manufacturing (Early engagement; Design for scalability; Local links)	<ul style="list-style-type: none"> Identified potential manufacturers with the capability before clinical trials.
Price negotiation & demand estimation (Demand vs need; Real cost vs innovator margin)	<ul style="list-style-type: none"> We have not coordinated on this at all.
Pre-market regulatory approvals (National/International; TA to expedite approval)	<ul style="list-style-type: none"> Capacity strengthening around local registration.
Facilitate generic access (Early agreement; Support policy to expedite transition; TA/capacity building to meet quality standards)	<ul style="list-style-type: none"> PEPFAR is planning to put a lot of investment in this area.
Financial support for the transition (Incentives to originators for generic licensing; Fund initiatives to lower scaling costs for generics)	<ul style="list-style-type: none"> We have a history of financing the initial manufacturing for generics (Family planning space), especially when they don't have volume numbers.
Policy & advocacy (Policy negotiation with governments to facilitate market entry; Advocate for regulatory harmonization)	<ul style="list-style-type: none"> Engage directly and indirectly with industry and ministry partners.

Towards a high-level donor commitment model.

- Potential market shaping interventions to support product roll out.
 - Timeline. Engage stakeholders for a 1-2y timeline for increased demand.
 - Procurement. Provide a volume guarantee.
 - Supplier Engagement. Identify suppliers and finance equipment &/or regulatory fees.
 - Demand Forecasting. Own/lead continuous forecasting analysis to reduce supplier risk.
 - Demand Generation. Promote/subsidize adoption & wide-scale demand generation to increase uptake.
 - Market Information. Generate additional reporting requirements and systems for participating countries.
- Firm donor commitment is often a political decision.
 - Leadership changes introduce complexity.
 - Ministry decisions are based on total program cost, not simply COGs vs price.

Success is possible with concerted efforts.

- Global ARV demand pooling (PEPFAR, Global Fund, and SA) resulted in a 47% reduction in TLD cost over 5y.
- DTG generic licensing. Timeline to reach LMICs <4y. 2013 FDA approval; 2014 Generic licensing (ViiV/MPP); 2016 Tentative FDA approval of first generic version; 2017 First shipment to LMIC.
- Optimize Consortium is a good overall model. We need global partnership; One agency, funder, or country cannot do it alone.

Takeaways

- LA ARVs are a promising opportunity, but past timelines are too long.
- Early engagement with private sector partners with recurring opportunities for R&D of new technologies can accelerate program implementation.
- Originator vs generic perspective. Originators bear significant R&D, regulatory, and SG&A costs, whereas COGs is the dominant force for generics.
- COGs is one component of product price. COGs and price are highly sensitive to product volume and location of manufacture.
- Facilitators for LA PrEP introduction: Reliable & sustainable supply; Steady demand increase; Balanced procurement price; Regulatory policy; Program timelines.
- Donor-driven economic motivations can stimulate private sector innovations and potential investments in generic manufacturing.
- LA ARVs are viable product options if programmed at large scale.