



Designing and Evaluating a Data-Driven Dashboard to Support Evidence-Informed PrEP Delivery in Georgia

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Problem Statement

- ▶ **Problem Statement:** MSM populations in Georgia face the country's highest HIV prevalence (15.4% in 2022), and while PrEP is a key intervention, uptake remains below national targets.
- ▶ **Implementation Challenge:** Developing of national strategies and goals for expansion of PrEP (and other intervention programmes) program faces challenges due to a capacity of programs to use data effectively for monitoring, scaling and quality improvement.
- ▶ **Goal:** To co-design, pilot, and evaluate the feasibility and utility of an Audit and Feedback tool (a data dashboard) to support evidence-informed decision-making among HIV program stakeholders.
- ▶ This research addresses a documented need for practical tools to support program implementation and has the potential to provide a scalable model for other public health programs in Georgia.

Implementation Framework

Purpose	Framework / Tool
Process Mapping	Exploration, Preparation, Implementation, Sustainment (EPIS). Provides a phase-based structure for analyzing how MSM-focused HIV interventions in Georgia evolve — from early planning, through rollout, to long-term sustainability. Helps identify when and where implementation challenges occur.
Barrier & Facilitator Analysis	Consolidated Framework for Implementation Research (CFIR) will be used to examine key factors that influence success or failure at each EPIS stage. We will focus on inner setting (e.g., leadership, organizational capacity), outer setting (e.g., policy, funding, community needs), and the implementation process itself (e.g., planning, implementation, evaluation).
Policy-Level Insight	Evidence-Informed Policy Framework (EIPF) will be used to analyze how decisions are made at the national level (within the context of public HIV program) and what role evidence plays in shaping policy. Examines institutional structures, political context, and stakeholder influence to understand when and how evidence informs program design and strategy.
Evidence-Based Practice that will be implemented	Audit and Feedback (A&F) A structured, data dashboard-based tool designed to support program teams in monitoring key indicators, reviewing progress, and making timely, informed decisions. The goal is to improve implementation of PrEP and related services for MSM by integrating routine data use into decision-making processes.

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Barriers and Facilitators to Implementation

CFIR Domain	Barriers	Facilitators
Outer Setting	- Declining political will for transparency/accountability- Weak oversight; pressures on civil society/media	- Euro-Atlantic integration & strategic alignment- International partner support (EU, CDC)
Inner Setting	- Limited administrative capacity, high turnover- Bureaucratic incrementalism- Formalistic public consultation- Non-functional open data infrastructure- Fragmented digital solutions	- Proven analytical excellence in select sectors – individual ambition of some leaders. Advanced digital GovTech platforms (data exchange, using Government ID)
Characteristics of Individuals	- Insufficient analytical and data literacy skills among civil servants	- Existence of data experts and potential champions in certain sectors
Implementation Process	- Slow response to evidence (e.g., delayed resolution of Hepatitis C program barriers)	- Established formal processes, demonstrate ability for structured evidence-informed decisions
Intervention Characteristics	- Perceived complexity of a new tool by users	- Ability to co-design the tool with end-users to ensure it is relevant and user-friendly The tool can be adapted and refined based on user

Barriers and Facilitators to Implementation

EPIS Phase	Selected ERIC Implementation Strategies
Exploration	- Conduct local needs assessment (stakeholder interviews, gap analysis)- Identify and prepare champions (data experts & advocates)
Preparation	- Co-develop and build the PrEP Cascade Dashboard- Define essential data points (adherence, retention, cascade drop-offs)- Conduct interactive training on dashboard usage -acquire nessesery data
Implementation	- Audit & feedback (dashboard reviews & regular reports)- Provide ongoing facilitation and technical assistance-
Sustainment	-Promote replication through stakeholder meetings and demonstrations to encourage broader adoption by other health programs or institutions.- Transfer dashboard code and documentation to the Ministry of Health or relevant authorities for wider dissemination and public availability. Provide technical support for initial publication and de-ployment on government or public health websites.

Conclusions and Next Steps

- ▶ Effective utilization of data for decision-making is critical but remains limited in Georgian public health implementation contexts, notably HIV PrEP services.
- ▶ Co-designed audit and feedback tools (PrEP Cascade Dashboard) offer a practical approach to bridge existing gaps between evidence generation and programmatic decision-making.
- ▶ While administrative and political barriers remain significant, sectoral strengths present feasible opportunities to scale evidence-based interventions.

Conclusions and Next Steps

- ▶ **Finalize and Submit Research Protocol for Ethical Review:** The immediate priority is to translate the detailed project plan into a formal research protocol, including data collection instruments and consent forms, for submission to the university's ethics committee.
- ▶ **Initiate Stakeholder Engagement for gap analysis and Co-Design (EPIS Preparation Phase):**
- ▶ **Finalize Landscape Analysis for Publication:** Prepare the comprehensive situational analysis of Georgia's EIP landscape as a standalone manuscript for submission to a relevant public policy or health services journal.
- ▶ Formally establish a Stakeholder working group (or separately champions) with representatives from key decision-making bodies and implementing partners.
- ▶ Schedule the first series of co-design workshops to define indicators for the PrEP cascade and begin workshopping the dashboard prototype.
- ▶ Refine the semi-structured interview guides based on the CFIR framework.

Anticipated Challenges and Questions

- ▶ **Data and Systems Challenge:** The availability and accessibility of reliable, real-time data may be constrained by fragmented information systems and data silos, as documented in the situational analysis.
- ▶ **Capacity Challenge:** Limited analytical expertise and high staff turnover within partner organizations may hinder the sustainable adoption and effective use of the dashboard.
- ▶ **Political and Contextual Challenge:** Ensuring sustained engagement and commitment can be difficult in a changing political landscape.