

TIER-Plus:

Enabling smarter HIV
prioritization decisions
in a constrained
funding era

Background



HIV financing landscape is rapidly shifting



Countries must make trade-offs across prevention, testing and treatment



Decision-making tools are not designed for inclusive prioritization conversations – looking across HIV treatment and care, testing and prevention

In response, in 2025 the IAS developed:

- *TIER Tool – Tool for Intervention, Evaluation and Ranking*, which provides a structured framework, in an **excel workbook**, for prioritizing interventions within HIV programmes across treatment and care, testing and prevention
- Look at minimum, standard and optimal interventions across the case cascade
- Used by 21+ countries through support from the CQUIN network & through COMPASS with civil society partners



From TIER to TIER-plus

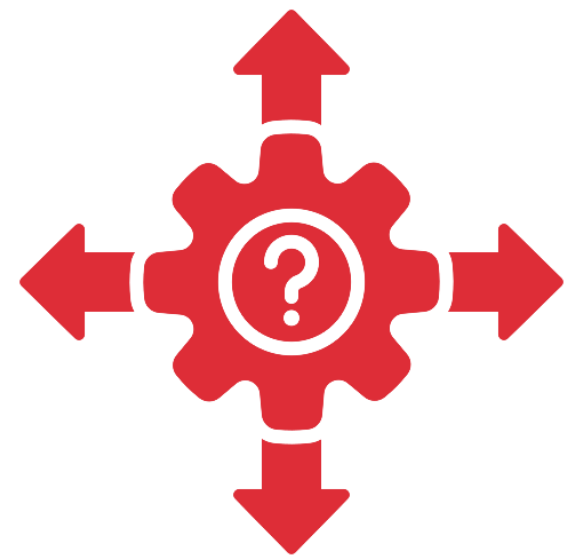
- Adding a **quantitative** element to TIER – to understand the impact of different scenarios on costs and outcomes
- The modelling is being done by colleagues at Boston University, led by Associate Professor Brooke Nichols



The decision gap

Countries need to answer questions like:

- What happens if we reduce testing but expand ART?
- What is the trade-off between PrEP scale-up and retention investments?
- How do we prioritize under budget constraints?



Meanwhile, existing tools are:

- ✗ intervention-specific
- ✗ technical/modeller-led
- ✗ not designed for multi-stakeholder discussion

Objective of TIER-Plus

To enable stakeholders to **compare outcome and cost trade-offs** across HIV interventions through an accessible, interactive platform.

Users (or audience)



Ministries of Health and other policy makers



Civil society




Implementers



Funders

Why TIER-Plus is different from other tools

 It's not a modelling tool

 It's not a budgeting tool

 It's a conversation tool for prioritization

TIER-Plus approach (version 0.1)

- Defined ~ 30 core, specific interventions across prevention, testing, and treatment

Interventions included

Prevention

- PEP
- Condom availability
- PrEP (oral)
- PrEP (Lenacapavir)
- VMMC

Testing

- Facility-based (general)
- Facility-based (targeted)
- Network/Index
- Community-based (targeted)
- For key populations & STI services
- HIVST (Facility-based)
- HIVST (community-based)

Treatment

- ART provision for all
- Differentiated service delivery (MMD, Community-pickup, fast-track)
- Cotrimoxazole prophylaxis (according to guidelines)
- ART initiation (and re-initiation)
- VL monitoring: suspected failure
- Routine VL monitoring
- TB Screening and Treatment
- TPT provision
- AHD testing and prophylaxis package (LAM, CrAG, CD4, fluconazole)
- Tracking & tracing (total)
- Adherence counselling/ psychosocial support

ANC & PNC

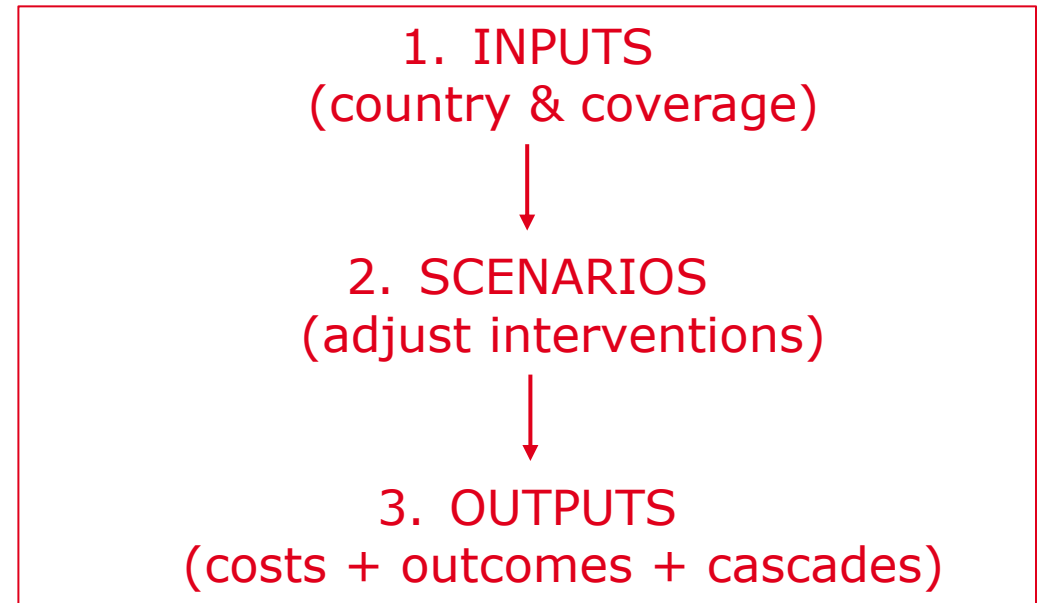
- Infant prophylaxis
- ANC: HIV testing
- EID (early infant diagnosis)
- ANC: Viral load testing
- PNC: HIV testing
- PNC: Viral load testing
- PNC: ART continuation

TIER-Plus approach (version 0.1)

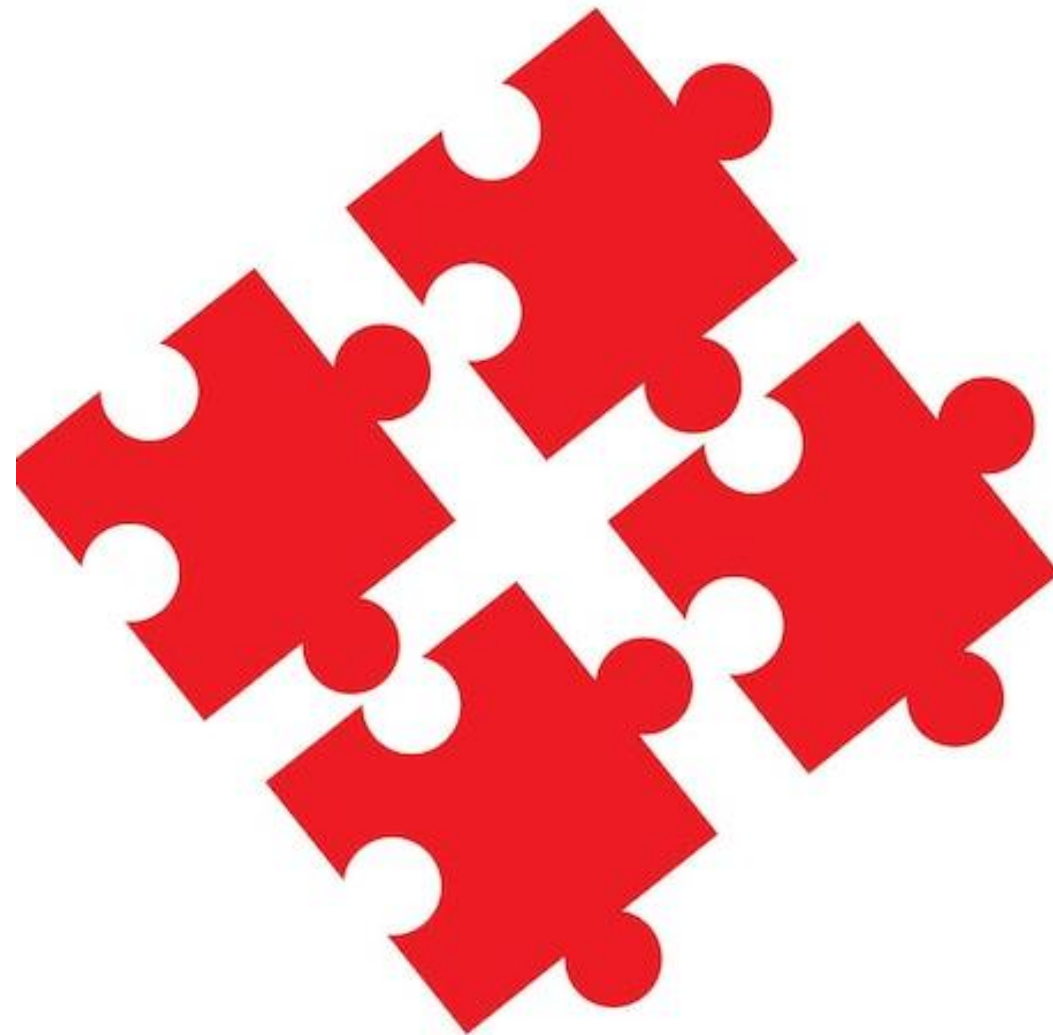
- Defined ~ 30 core, specific interventions across prevention, testing, and treatment
- Estimate costs and impact on six key outcomes for each intervention:
 - adult acquisitions, infant acquisitions, mortality, and the three 95s (diagnosis, treatment, viral suppression)
- Build an interactive platform enabling users to adjust coverage levels and visualize resulting effects on outcomes and costs of two scenarios compared to baseline
- Show how indicators change over a 1-year time horizon

»TIER-Plus prototype

Let's take a look

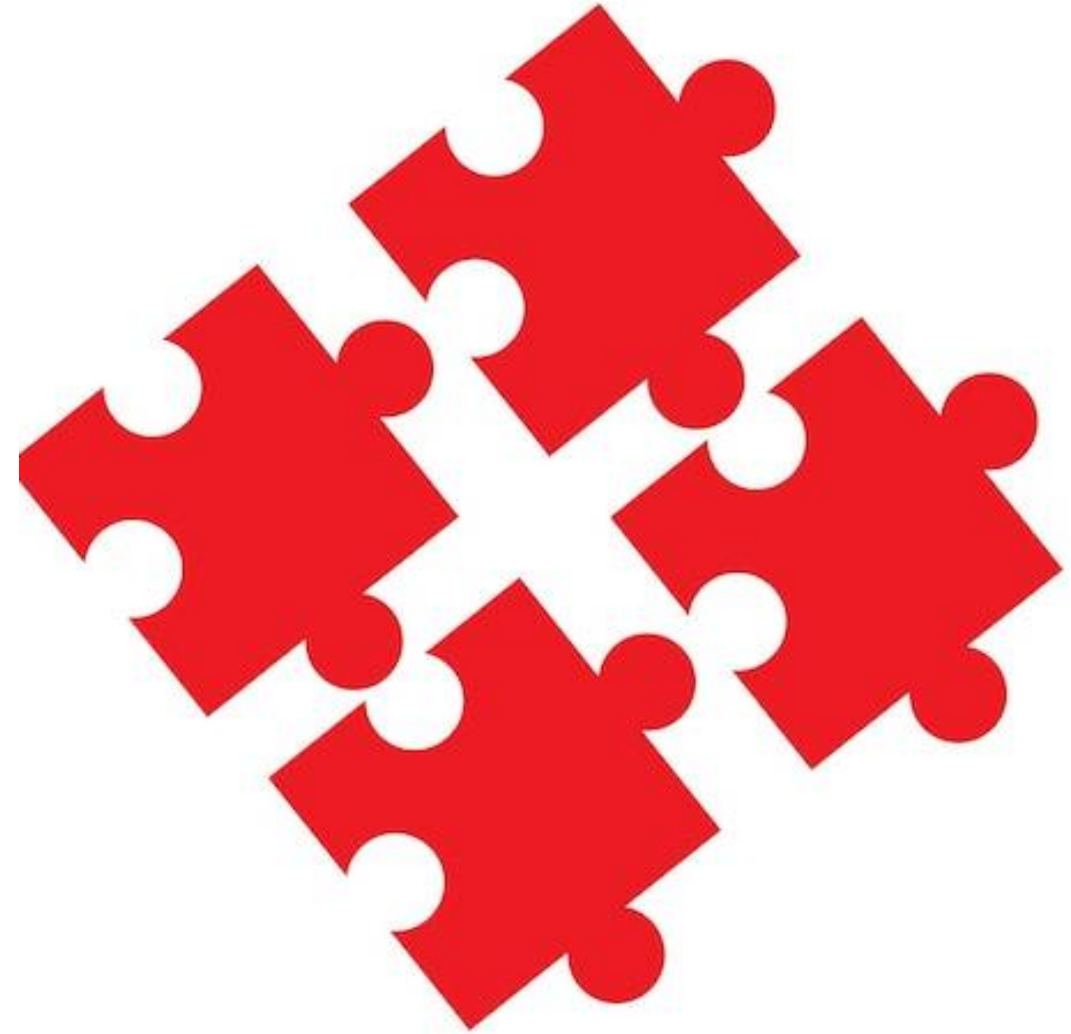


1. What goes in (inputs)



1. What goes in

- i. Select the country
- ii. Confirm (or edit) epidemic parameters





1. What goes in

i. Select the country

ii. Confirm (or edit) epidemic parameters

HIV Intervention Impact Calculator

Select Regional Profile:

South Africa

Epidemic Parameters

Total Population:

64007187

HIV Prevalence (%):

16,8

New Infections/Year:

166536

Current Diagnoses/Year:

158753

% of PLHIV Diagnosed:

95,3

% Diagnosed on ART:

84,5

% on ART Suppressed:

Baseline Coverage

Scenarios

Results Comparison



1. What goes in

iii. Baseline interventions (coverage)

- For prevention
- For testing and diagnosis
- For treatment monitoring and quality
- For retention and adherence support
- For advanced HIV disease

Baseline Coverage
Scenarios
Results Co

Prevention

PrEP (oral) (people)

PrEP (Lenacapavir) (people)

VMMC (annual people)

Condom availability (people reached)

PEP (people)

Infant prophylaxis (% of HIV-exposed infants)

Cotrimoxazole prophylaxis (according to guidelines) (% of PLHIV)

Baseline Coverage
Scenarios
Results Co

Testing & Diagnosis

Testing: facility-based (targeted) (tests performed)

Testing: facility-based (general) (tests performed)

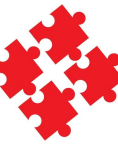
Testing: network/index testing (tests performed)

Testing: community-based (tests performed)

Testing: key populations & STI services (tests performed)

HIVST (Facility-based) (tests distributed)

HIVST (Community-based) (tests



Important note!

Default data is provided –

Users can customize if better national data is available.

2. Then it's time to play – or build scenarios

Adapt the coverage of different interventions (populate different scenarios for comparison)

Add more interventions, and/or take some away





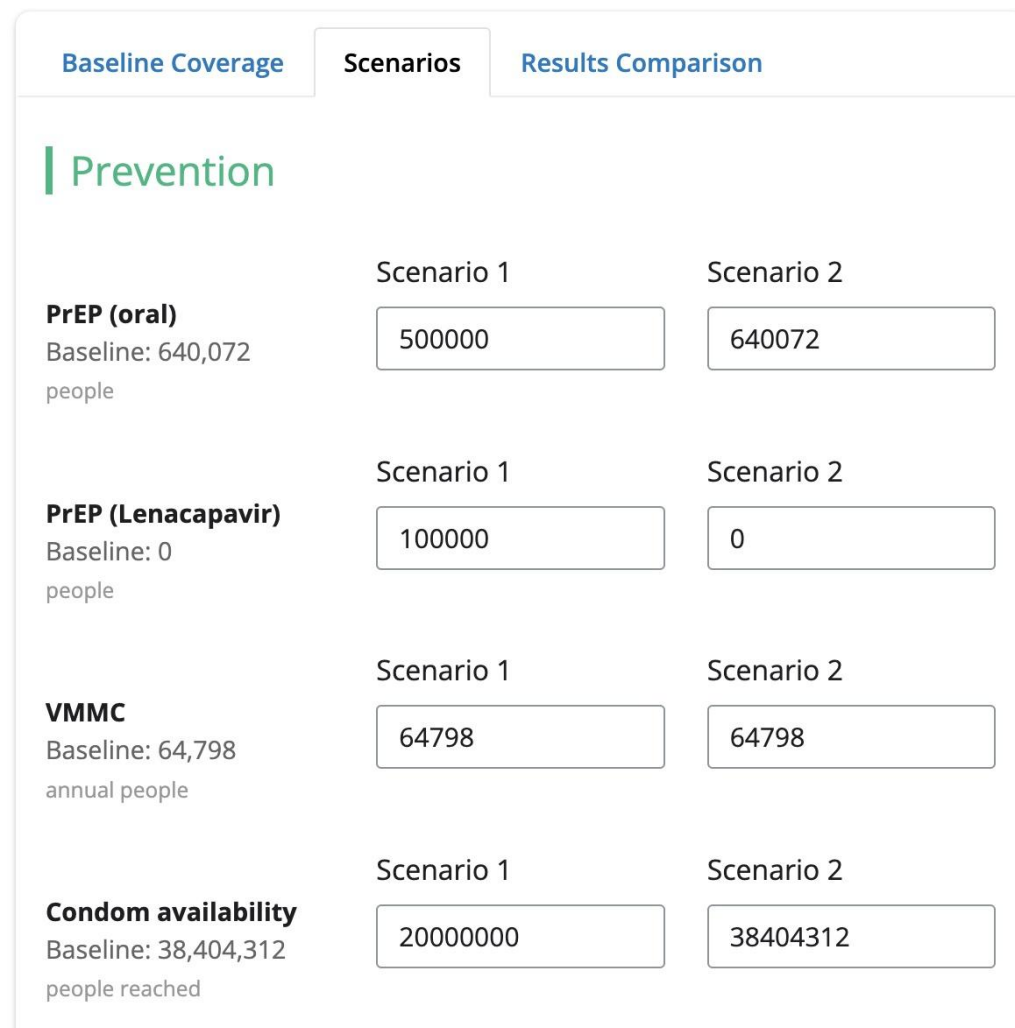
For example:

Add more:

- PrEP (Lenacapvir)

And less:

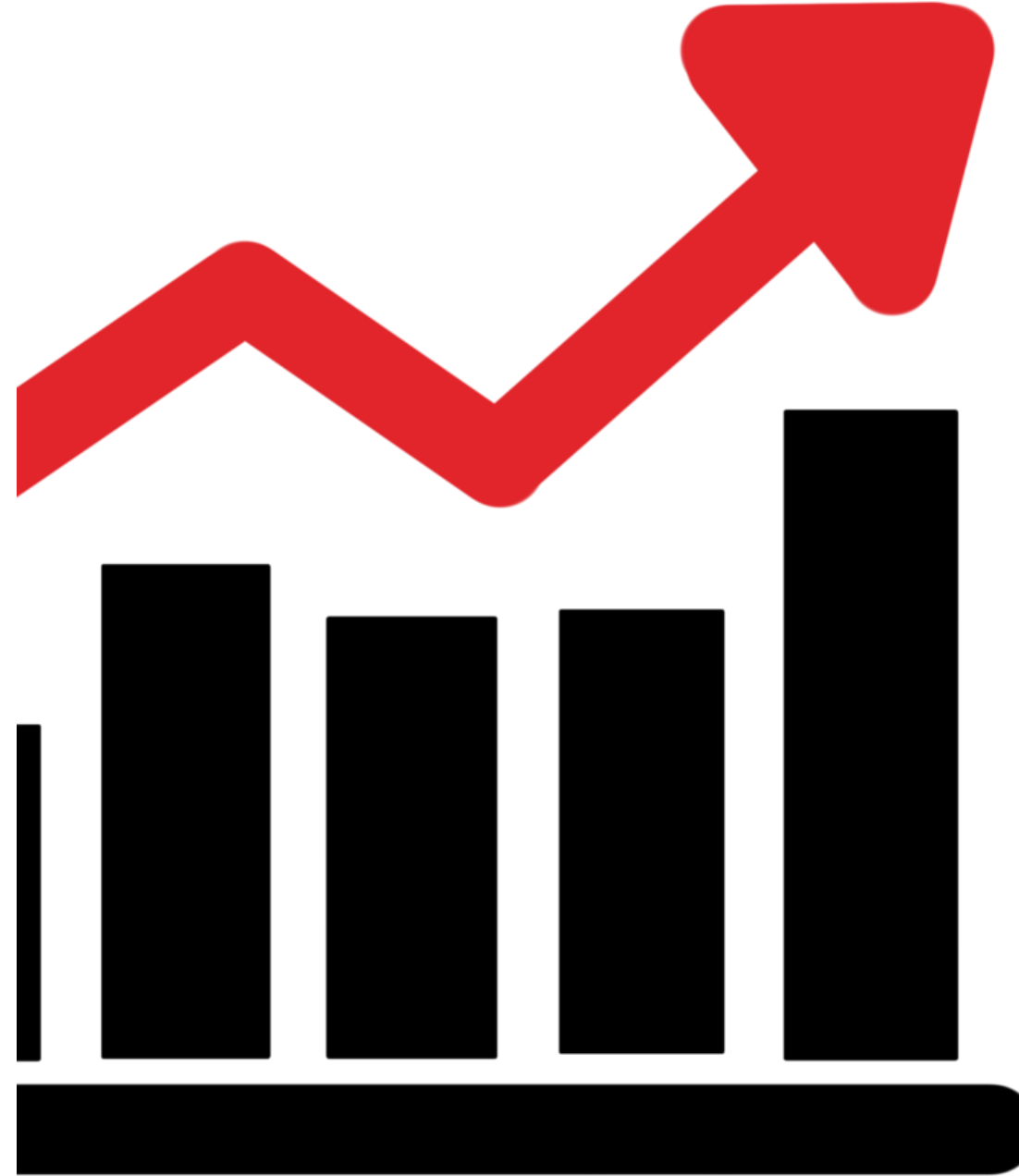
- PrEP (oral)
- Condoms





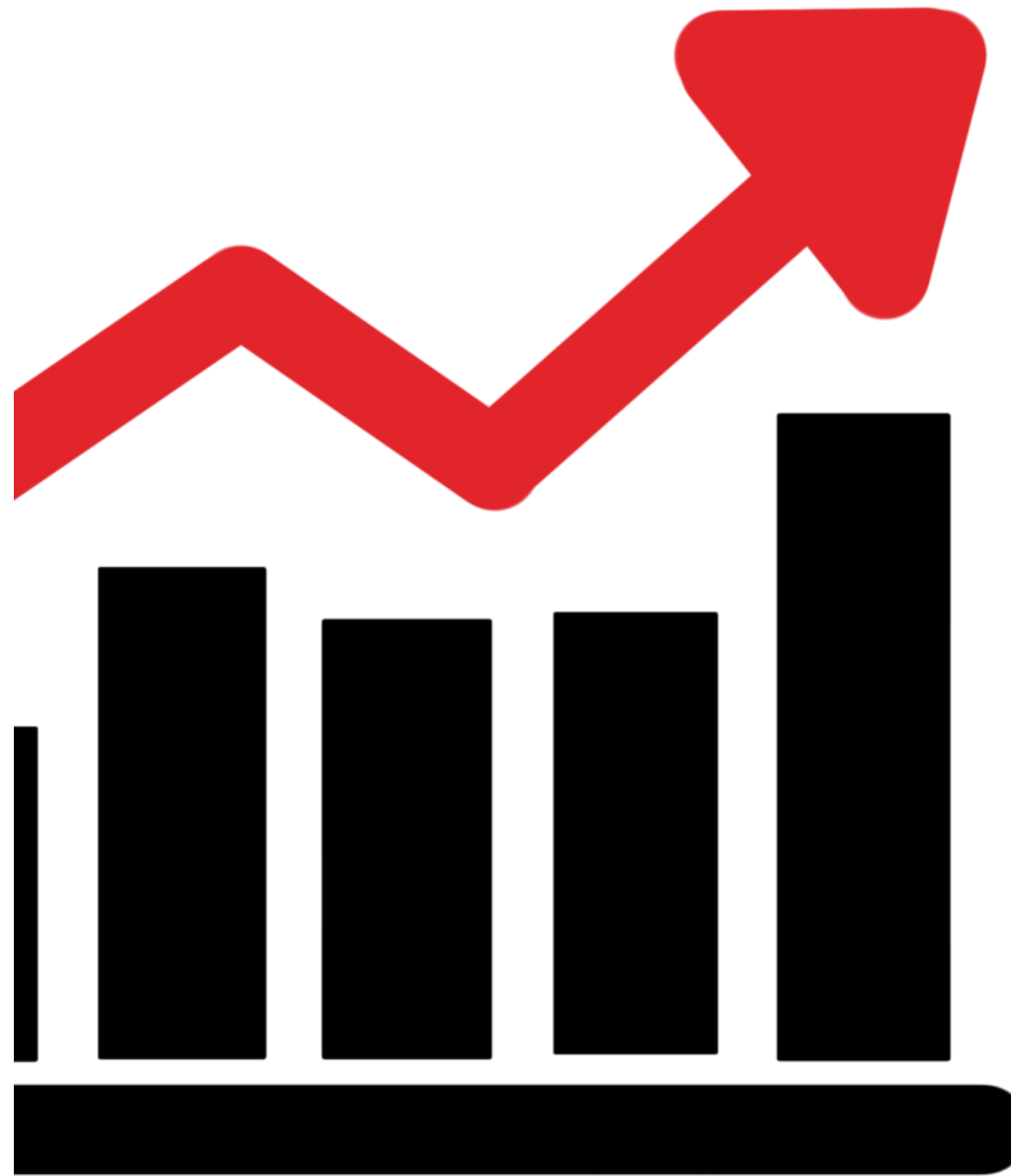
» **With this information,**
more and less of different
interventions, **TIER-Plus**
can then compare the
impact on costs and
outcomes

3. What TIER-Plus produces (or, “what comes out” – the outputs)



3. Outputs

Two scenarios
compared to the
baseline





3. Outputs

i. Progress towards 95-95-95s

ii. Key epi outcomes

r





3. Outputs

iii. Health outcomes

ator

Baseline Coverage		Scenarios		Results Comparison	
Health Outcomes (relative to baseline)					
Scenario 1 - Health Outcomes			Scenario 2 - Health Outcomes		
Tests Performed:	1,256,028	Tests Performed:	1,256,028		
New Diagnoses:	59,145	New Diagnoses:	18,130		
Re-engagement in Care:	59,145	Re-engagement in Care:	18,130		
ART Initiations:	93,106	ART Initiations:	35,685		
Adult Infections Averted:	538	Adult Infections Averted:	-108		
Infant Infections Averted:	0	Infant Infections Averted:	0		
Total Infections Averted:	538	Total Infections Averted:	-108		
Deaths Averted:	1,865	Deaths Averted:	3,731		
Additional Suppressed:	77,343	Additional Suppressed:	29,643		

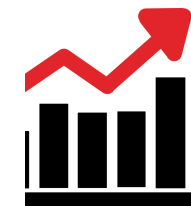


3. Outputs

iv. Costs

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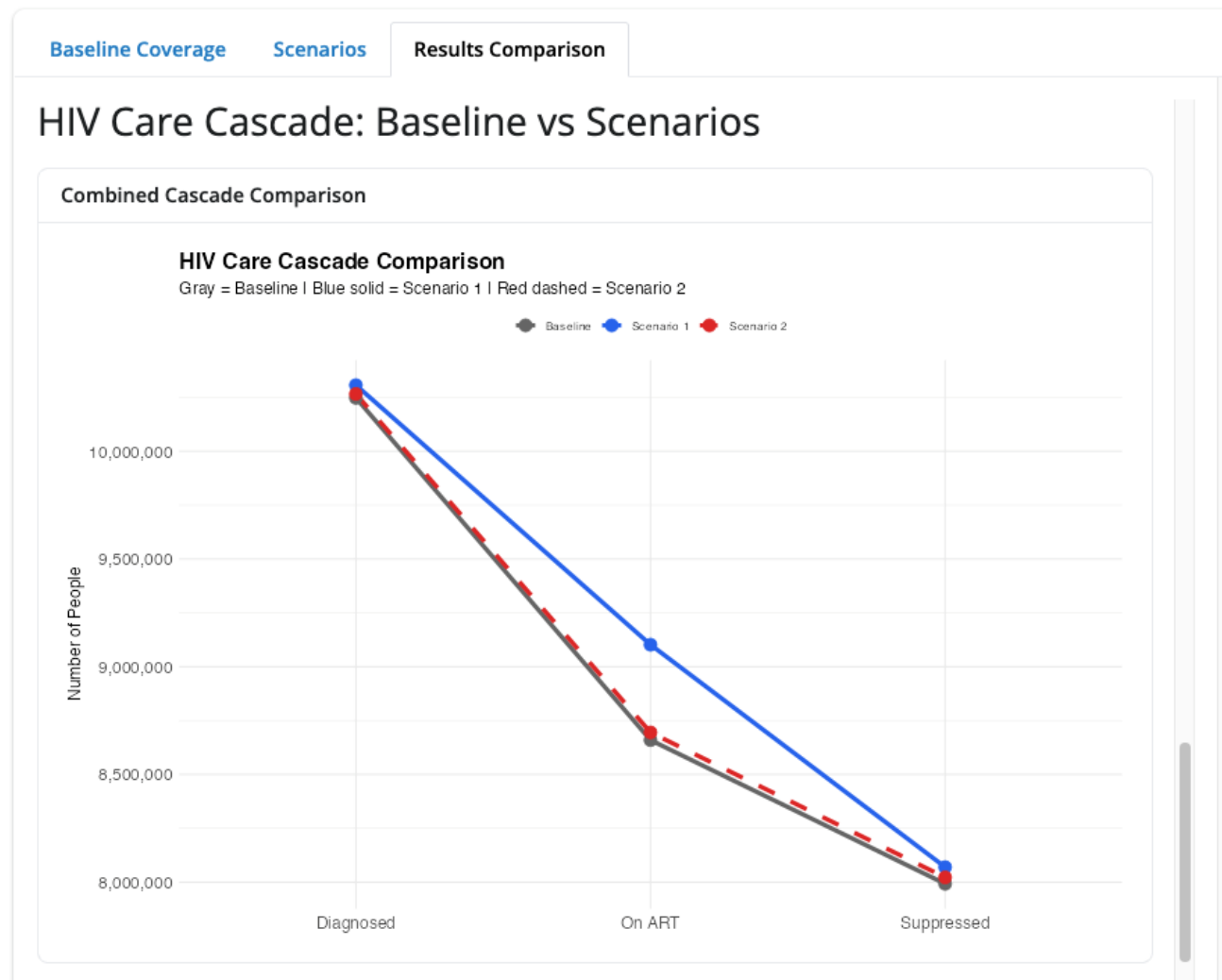
Baseline Coverage	Scenarios	Results Comparison
<h3>Cost Analysis</h3>		
Scenario 1 - Cost Analysis		Scenario 2 - Cost Analysis
Intervention Costs (scale-up):	\$73,946,403	Intervention Costs (scale-up): \$38,826,461
Savings (scale-down):	\$5,923,075	Savings (scale-down): \$13,403,034
ART Provision (outcome-driven):	\$1,750,500,542	ART Provision (outcome-driven): \$1,739,016,269
Net Budget Impact:	+\$1,818,523,870	Net Budget Impact: +\$1,764,439,696
Cost per Infection Averted:	\$137,527	Cost per Death Averted: \$10,407
Cost per Death Averted:	\$39,640	

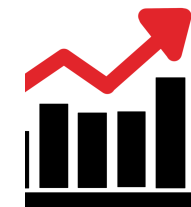


3. Outputs

v. Impact on HIV care cascade

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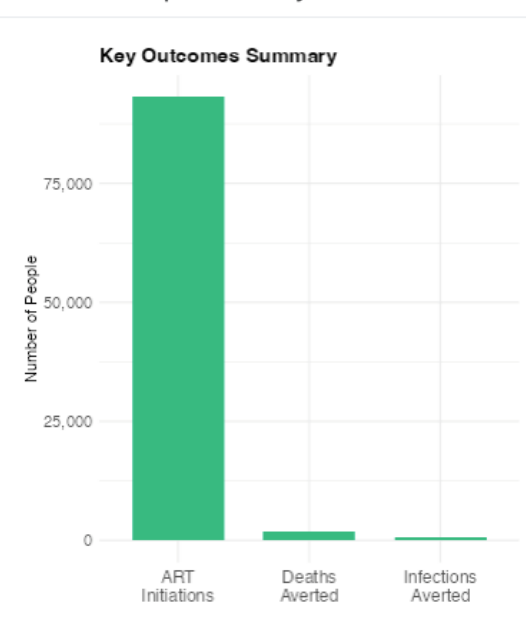
3. Outputs

6. Impact summary

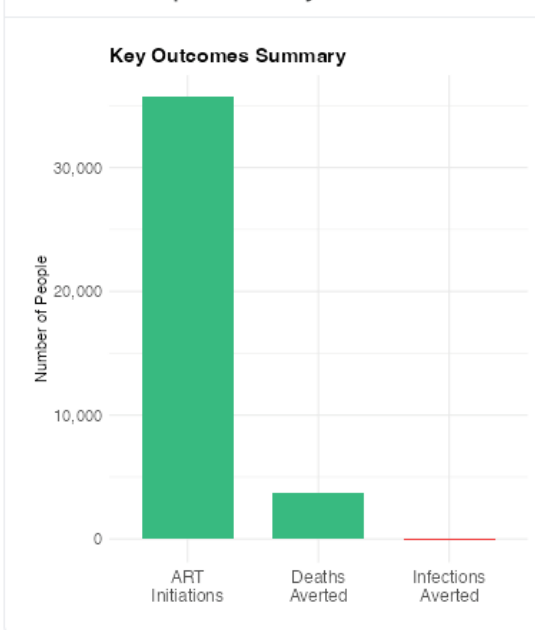
- ART initiations
- Deaths averted
- Acquisitions averted

Key Outcomes Summary




Scenario 1 - Impact Summary






Scenario 2 - Impact Summary



What TIER-Plus **can** do

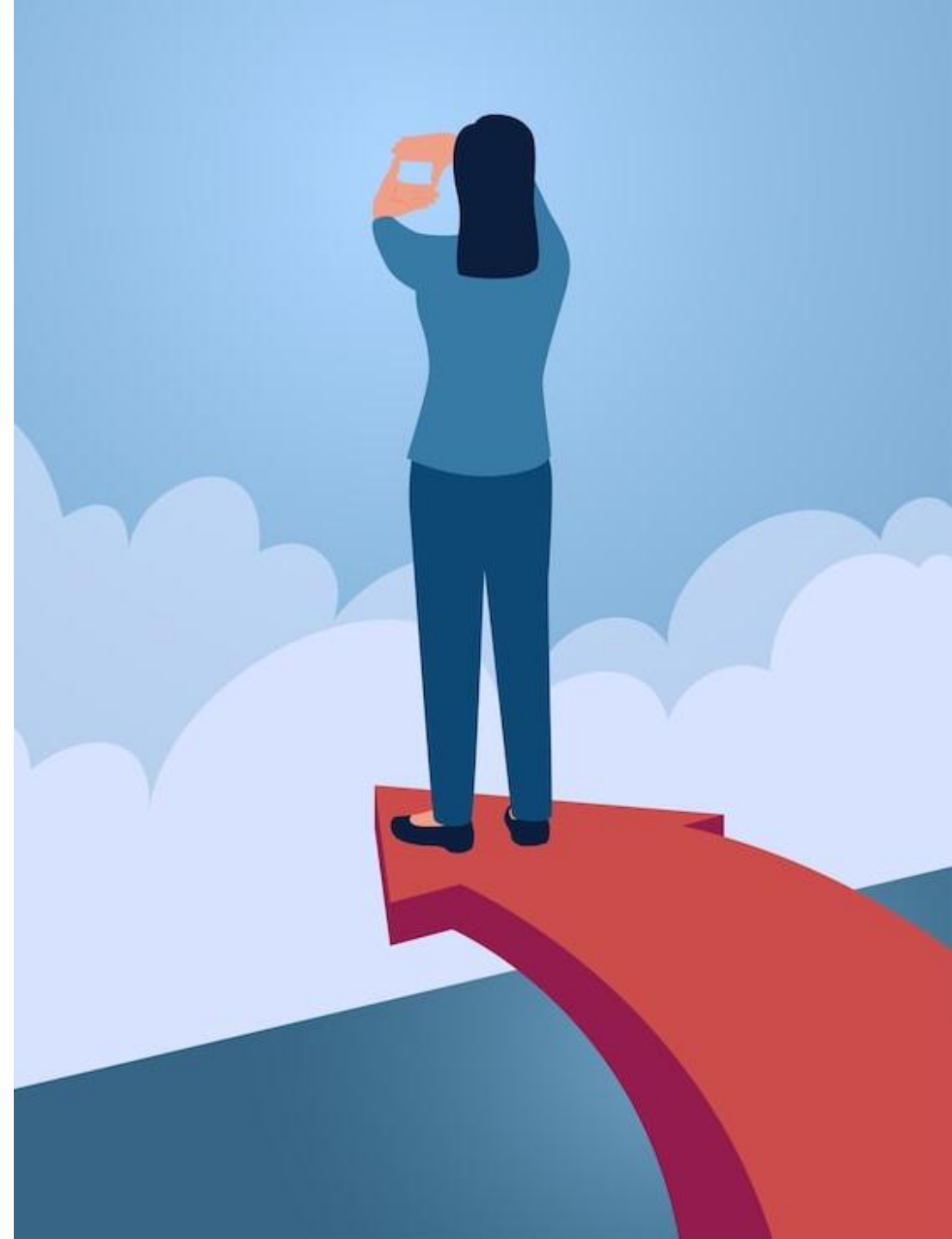
-  Support **decision making** conversations at a **national** level
-  Look at the impact across the cascade of multiple interventions
-  Give an understanding of **relative** impact of different interventions on both outcomes and cost

What TIER-Plus **cannot** do

-  Provide exact cost estimates for budgeting
-  Give long-term estimates on epidemic impact
-  Replace intervention-specific planning (use DMPPT, PrEP-it, etc.)

What's next

- Build TIER-Plus
- Prepare national stakeholders for it being available
- Share with stakeholders for inputs and feedback
- Iteration(s) based on feedback
- Disseminate and support training and uptake
- Monitor use and use cases



What do you think?

FEEDBACK



1. How do you feel about the TIER-Plus tool?
2. How clear is the purpose of TIER-Plus?
3. How useful is TIER-plus for decision-making in your context?
4. How likely are you to use TIER-Plus when it is available?
5. What is the ONE thing that would make TIER-Plus most useful for you?
6. What concerns or barriers might prevent you from using TIER-Plus?

For more details, contact dsd@iasociety.org

Download these slides at: bit.ly/TIERplus

Thank you