



PEPFAR

U.S. President's Emergency Plan for AIDS Relief

A Model for Sustainable Integration of Science, Technology and Innovation in HIV/AIDS Healthcare Service Delivery

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STI Factors in SDG

- Existing technologies, resources innovations and processes:
 - Service delivery/Healthcare
 - Education
 - Infrastructure
 - Primary economic drivers
- Technology Readiness Level (TRL)
 - Evaluation & Establishment
 - Strategic Advancement in TRL's
- Determination of required enabling technology or TRL by sector
- Strategic Professional Development and Education of the Workforce
- Strategic Alliances and Collaborations





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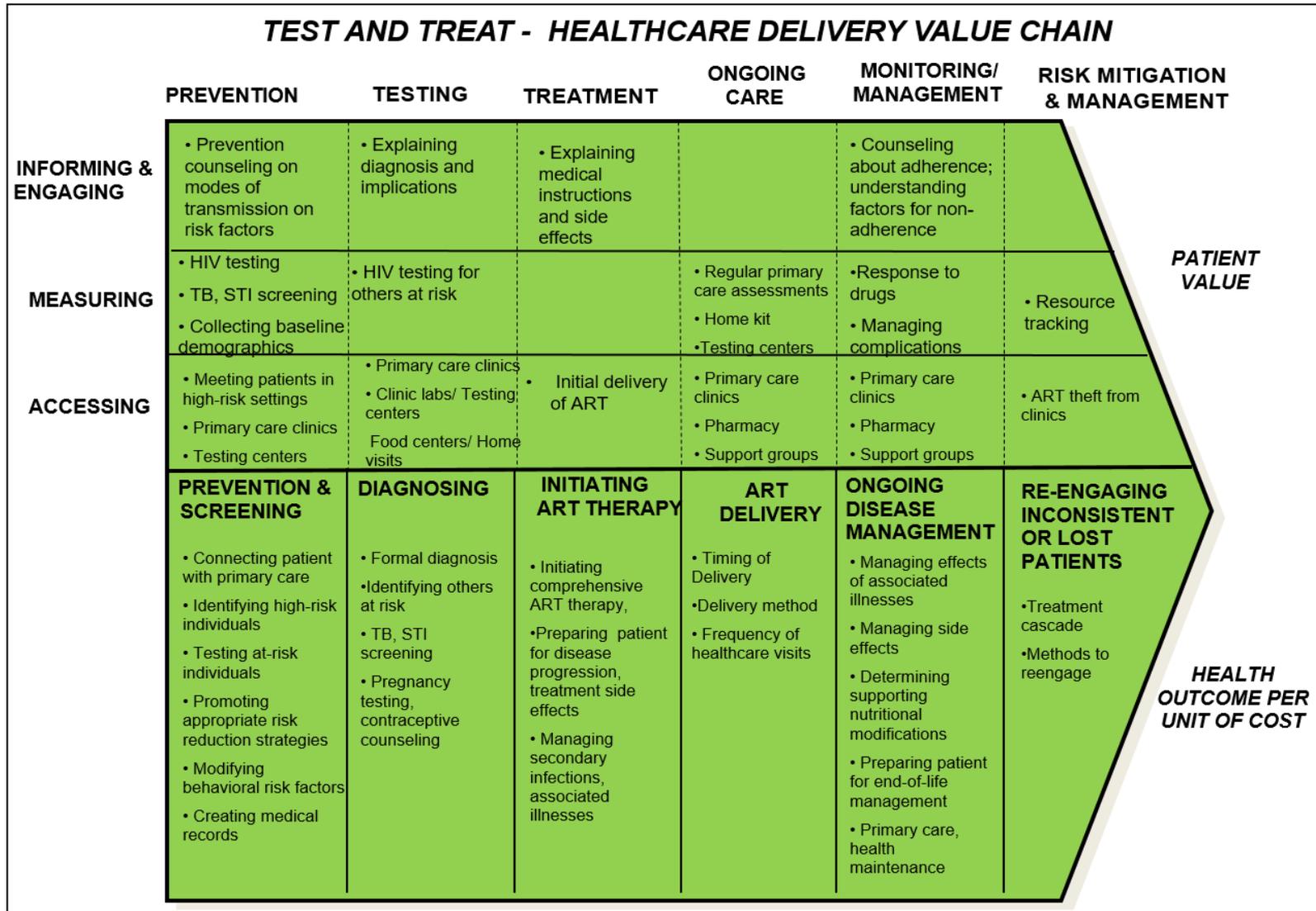
A Real World Example from PEPFAR

ASSESSING INNOVATION OPPORTUNITIES IN HIV/AIDS HEALTHCARE SERVICE DELIVERY





Test & Treat Draft Model





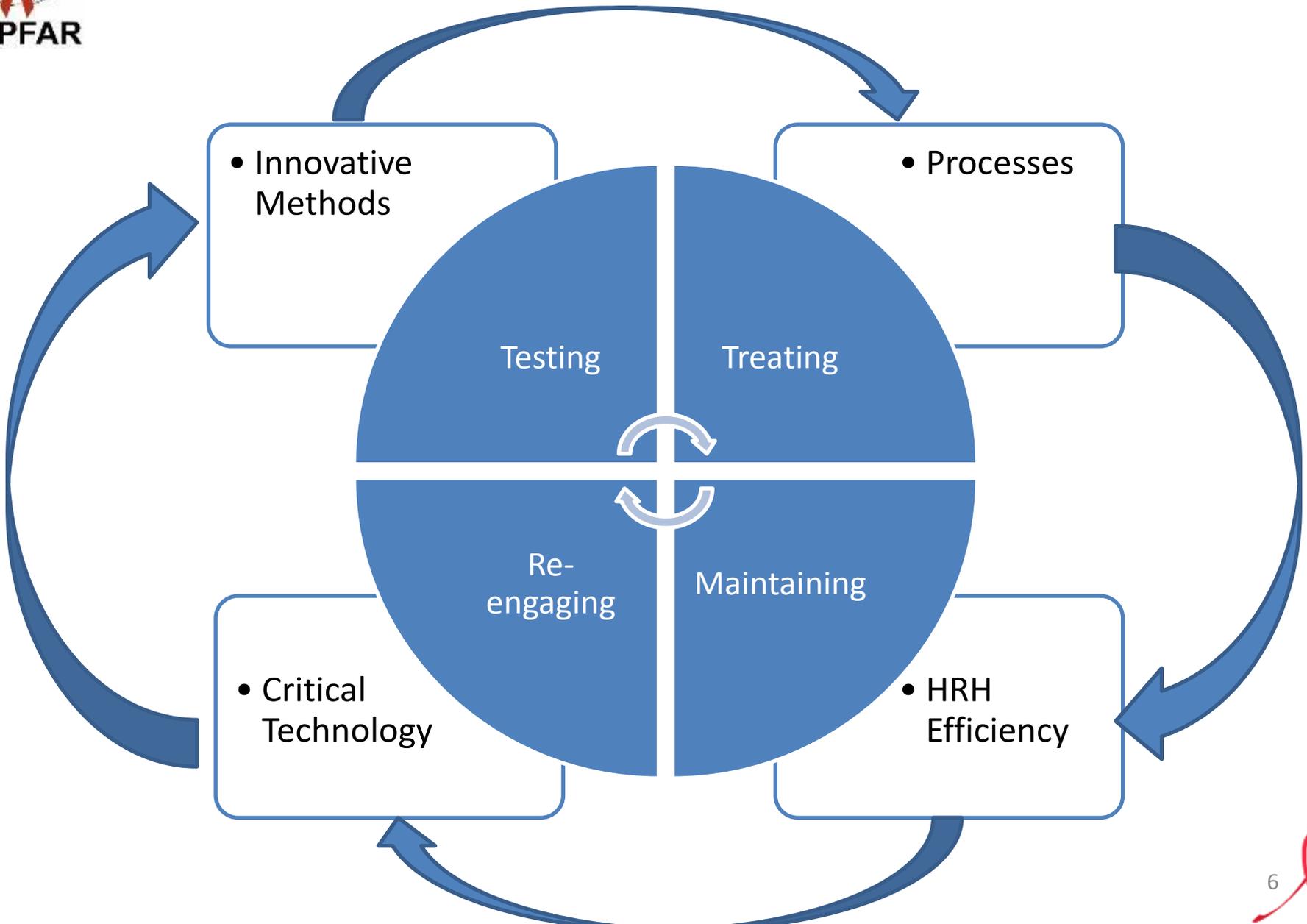
What is IMPACT

- A methodology developed to evaluate, integrate and measure usefulness of technology, innovations and/or process in HIV/AIDS healthcare service delivery
- Includes an assessment of the potential to positively impact HIV/AIDS healthcare service delivery



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IMPACT





Bwalia ART Clinic





Health Passport Woman Health Profile



Bwalia ART Clinic





PIH Facility



Laboratory at Kamuzu

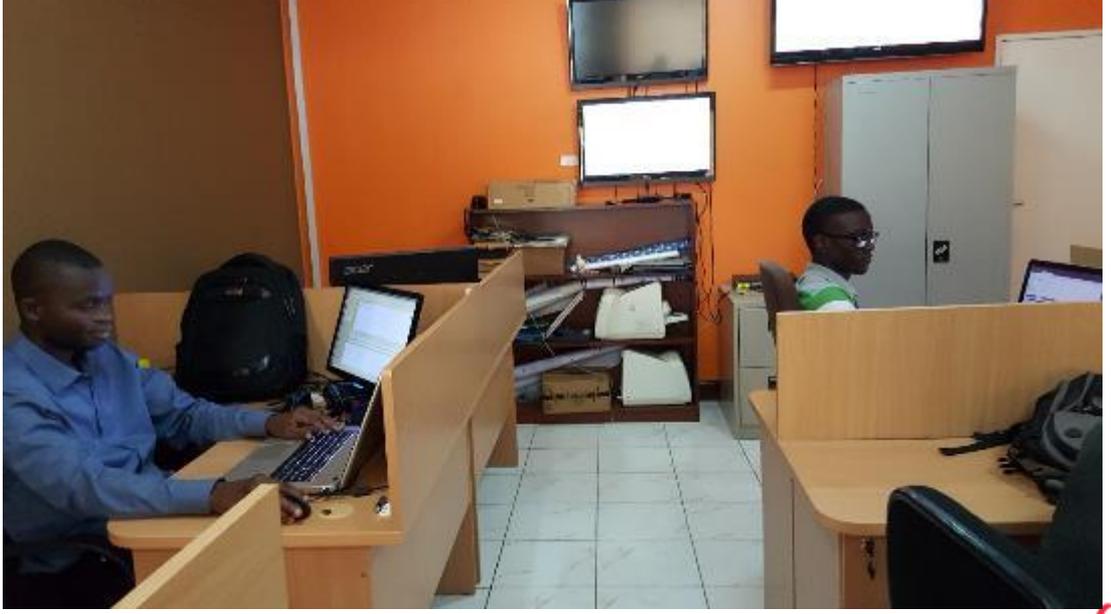


Baobab Health Trust



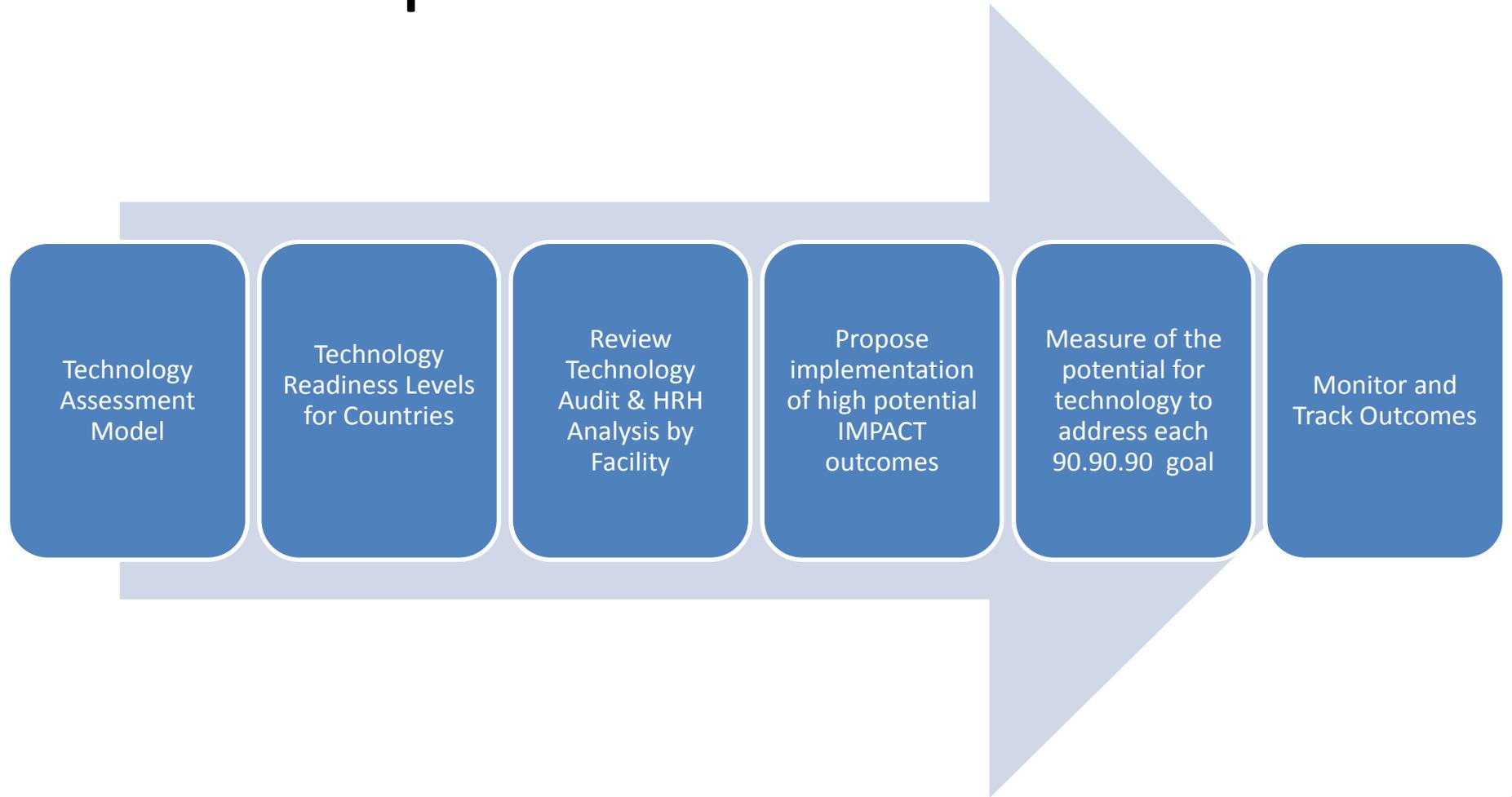


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Implementation Process





Proposed PEPFAR Technology Readiness Level (TRL)

- Establish Technology Readiness Level (TRL) ratings
- TRL will determine the level of technology that a region can support in healthcare service delivery
 - Technology infrastructure
 - Accessibility and reliability of power, internet access and other technology enabling resources
 - Human Resources to support implementation, maintenance and sustainability
 - Degree of technology integration and acceptance
- Establish TRL's at various levels by:
 - Country
 - Within Country
 - Industry
 - Facility





Proposed PEPFAR Technology Assessment Model

Factors to be included in Technology Assessment Model

1. Name of Technology
2. Description of use
3. Cost (US\$) and (Specific Country Cost)
4. Usefulness in Usefulness in other healthcare needs (i.e. TB)
5. What exactly does the technology accomplish
6. Required technology infrastructure
7. Required training level for use
8. Required maintenance/calibrations and updates
9. Vendors/availability of technology
10. Best practices and case studies for use of technology
11. Expected increase in output (i.e. efficiency gain with technology)
12. Reduction in resource requirement
13. Reduction /change in HRH requirement
14. Required Technology Readiness Level for use
15. Aspect(s) of 90.90.90 that technology will support





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More Innovation work to do...

- Continue integration of IMPACT
- Support reaching 90.90.90 goals
- Reaching high risk populations





Thank you!

Questions?