



PEPFAR

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

Development of Tools for Monitoring & Reporting VMC Program Indicators

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PEPFAR - US Department of Defense

26 September 2012

Joint PEPFAR – WHO Meeting on Accelerating the Scale – Up of
VMC for HIV Prevention in East and Southern Africa, South Africa



Overview

1. Assessment of VMMC Data Tools
2. Sample Paper Data Collection Tools
3. VMMC Health Information System





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Assessment of VMMC Data Tools



Background

- While VMMC is being scaled up to support HIV prevention, standardized clinical forms are not yet available
- Ministries of Health, Defence & implementing partners are using a variety of forms
- A review of existing forms and systems is necessary to inform development of standardized forms and reporting processes





Assessment: Goal & Objectives

- To inventory data tools currently being used to support VMMC program implementation in PEPFAR-supported countries
- Objectives
 - Collect data tools from PEPFAR implementing partners
 - Comparing MC client record and adverse event forms
 - Identifying best practices in MC data use for sharing across other country programs





Methods

- Develop standardized survey instrument
- Invited PEPFAR coordinators in countries supporting MC to request implementing partner participation
- Survey administered through phone interviews averaging 30-60 minutes during March-June 2011
 - Interview respondents were MC focal points from implementing partners (IPs) & USG agencies
 - Copies of clinical forms and reporting tools requested





Analysis of Interview Responses & Data Tools

- 28 respondents from 12 organizations across 7 countries
- 57 clinical MC data tools received
- 29 MC & HTC reporting forms received
- Performed a comparative analysis of data fields from MC client record forms
- Built data dictionary (reviewed by physicians & TWGs)
- Adverse Event Forms used the WHO format



Findings

- A variety of different data tools and forms being used
- Data fields vary considerably between implementers
- Organizations are reporting to at least 3 different types of institutions: implementing partner HQ, USG, MoH
- Respondents reported that an electronic database would facilitate data collection, help fulfill various reporting requirements & track the continuum of care
 - Some Implementers using electronic systems now
 - USG agencies endorse electronic database to improve data quality
 - Interest by MoH, but need capacity building & infrastructure





Action Steps

- Build a standard database for the minimal datasets required by all VMMC programs for facility, partner, national, and donor reporting requirements
 - Provide standard paper forms & processes
 - VMMC Health Information System
- Work with military programs to build capacity by providing training on data tools, use & processes





Sample Paper Data Collection Tools





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Registration Form

MC Clinical Paper Forms_BDF_16July2012.pdf - Adobe Reader

File Edit View Window Help



Comment Share

Registration Form

Date: / / Unique ID:

Registration Location:

Client Details

First Name Date of Birth: / /

Middle Name Gender: ☐ Male ☐ Female

Surname Phone No.

Home Address:

Current Physical Address (Military):

Next-Of-Kin

First Name Home Address:

Middle Name Relationship:

Surname Phone No:

Marital Status

☐ Currently Married ☐ Currently cohabitating

Education

☐ Primary ☐ College/University

8.50 x 11.00 in



4:21 PM
9/12/2012



Education Attendance Sheet

Education Attendance Sheet_BDF_July2012.pdf - Adobe Reader

File Edit View Window Help



Comment Share

Education Attendance Sheet

Page ____ of ____

Date of Education Session: DD / MM / YYYY

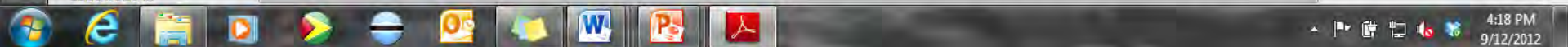
Topic:

Location/Venue:

Organization:

Educator Name:		Educator Unique ID:	Gender		Age, in years (check one)							Civilian		Active Duty
Surname	First Name	Unique ID	Male	Female	1-9	10-14	15-19	20-24	25-34	35-49	50+			
1			M	F										
2			M	F										
3			M	F										
4			M	F										
5			M	F										
6			M	F										
7			M	F										
8			M	F										
9			M	F										
10			M	F										
11			M	F										
12			M	F										
13			M	F										
14			M	F										

11.00 x 8.50 in





Education Event Summary Report

Education Summary Report_BDF_July2012.pdf - Adobe Reader

File Edit View Window Help



Comment Share

Education Event Summary Report

Date of Education Session:

/ /

Start Time:

Location/Venue:

End Time:

Educator Information

First Name

Unique ID:

Middle Name

Phone No.

Surname

Role:

☐ Drama Group ☐ Peer Educator ☐ Counselor ☐ Non-Military ☐ Commanding Officer

Education Session Information

Topic(s) of Session

Number of Promotional Materials Distributed

Condoms

Educational brochures

Posters

Other, specify

Types of Methodologies Used (check all that apply)

☐

Drama

☐

Educational Games

☐

Lecture

☐

Sports Activities

☐

Condom demonstration

☐

Social Event

☐

Other, specify

8.50 x 11.00 in





Surgery/Immediate Post-Op Form

MC Clinical Paper Forms_BDF_16July2012.pdf - Adobe Reader

File Edit View Window Help



Comment Share

Surgery and Immediate Post-Operative Form

Client Surname:

Client First Name:

Client Date of Birth: / /

Client Unique ID:

Date of MC: / /

Surgery Notes

Location of Surgery:

Start Time: : AM/PM

Anesthesia: ☐ Marcaine 0.5% mL

☐ Lignocaine 1% mL

☐ Lignocaine 2% mL

DBNP ☐ DBNP + ring block ☐

Procedure used: ☐ Sleeve
☐ Dorsal Slit
☐ Forceps Guided

Immediate Post-Op Notes

Blood pressure: /

Pulse: Temperature:

Adverse events observed? ☐ Yes ☐ No

If yes, specify type and degree of severity below:

Adverse Event	Mild	Moderate	Severe
<input type="checkbox"/> AN Anaesthesia reaction	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/> BL Bleeding	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/> DP Damage to Penis	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/> ES Excessive Skin Removed	N/A	<input type="checkbox"/>	<input type="checkbox"/>

8.50 x 11.00 in



4:23 PM
9/12/2012



VMMC

Health Information System





VMMC Health Information System

- Primary audience: Military VMMC programs
- Objectives
 - eHealth Solution to support VMMC M&E reporting
 - HIS based on informatics/engineering standards
 - Training of HIS and ICT skills
 - Implement VMMC HIS





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eHealth Solution

- Designed for partner militaries
 - Total cost of ownership \$200 USD/year/user
 - Enterprise Architecture based ICT standards
 - Military “Signal” Corps support & maintain
- Mobile User Device
 - Ruggedized netbook computer
 - Wireless or wired network
 - Touch screen, camera, audio, 10-12 hour battery
- Software packages on mobile device for field use
 - Electronic Medical Record
 - Office, Email, Internet/Web, Skype, etc.
 - Anti-virus, data storage & backup





Login Screen

Mokolodi Client - v.1.0.0.148 (Offline)



Botswana Defence Force SMC Application

dave test

Refresh

Close

Please enter your login information below.

User ID:

Password:

Login



5:09 AM
9/17/2012



PEPFAR

Patient Registration

Mokolodi Client - v.1.0.0.148 (Offline)

Botswana Defence Force SMC Application

dave test Refresh Close

Application Counseling Patients Reporting Help

Patient Registration Scheduling Counseling Testing Med History Physical Exam Surgery/Post-Op Follow-up Patient Search User Adm

Personal Info Emergency/Guardian Contact Employment Info Military Info

First Name dave OMANG ID 12345

Second Name Surname test

Permanent Address

Current Physical Address

District Please Select

1 MIL. Garrison Add Location

Phone No. 3335557777 Gender Please Select

Cell No. Education Please Select

Date Of Birth 03/01/2011 Marital Status Please Select

Save Close Next Prev.


Vista LifeSciences

5:07 AM 9/17/2012



HIV Testing

Mokolodi Client - v.1.0.0.148 (Offline)



Botswana Defence Force SMC Application

dave test Refresh Close

Application Counseling Patients Reporting Help

Patient Registration Scheduling Counseling Testing Med History Physical Exam Surgery/Post-Op Follow-up Patient Search User Admin

Provider: Please Select Date: 17/09/2012

New Save Close

Risk Assessment Testing History Testing for MC CD4 Testing

Was the patient tested for HIV in the last 90 days? ☐ Yes ☐ No


If yes, fill out below:

Date of most recent test 17/09/2012


Test result, if received

- ☐ Documented HIV positive result from other HTC provider
- ☐ Documented HIV negative result from other HTC provider
- ☐ Unknown HIV status/refused HIV test
- ☐ Self-reported HIV negative and declined re-test (HIV status not verifiable)
- ☐ Self-reported HIV positive and declined re-test (HIV status not verifiable)

Test Location L MIL. Garrison Add Location



Vista LifeSciences



5:08 AM 9/17/2012



Physical Exam

Mokolodi Client - v.1.0.0.148 (Offline)

Botswana Defence Force SMC Application

dave test Refresh Close

Application Counseling Patients Reporting Help

Patient Registration Scheduling Counseling Testing Med History **Physical Exam** Surgery/Post-Op Follow-up Patient Search User Adm

Provider: Please Select

Physical Exam Genital Exam

Examination of penis: ☒ Normal ☐ Abnormal

If abnormal, specify below:

Phimosis	<input type="radio"/> Yes <input type="radio"/> No	Ulcers	<input type="radio"/> Yes <input type="radio"/> No
Paraphimosis	<input type="radio"/> Yes <input type="radio"/> No	Balanitis	<input type="radio"/> Yes <input type="radio"/> No
Episadias	<input type="radio"/> Yes <input type="radio"/> No	Torsion	<input type="radio"/> Yes <input type="radio"/> No
Hypospadias	<input type="radio"/> Yes <input type="radio"/> No	Irretractable foreskin	<input type="radio"/> Yes <input type="radio"/> No

Did patient have previous circumcision? ☐ Yes ☒ No

If yes, specify grade: Please Select

New Save Close

History

Vista LifeSciences

5:11 AM 9/17/2012



Surgery Notes

Mokolodi Client - v.1.0.0.148 (Offline)

Botswana Defence Force SMC Application

dave test Refresh Close

Application Counseling Patients Reporting Help

Patient Registration Scheduling Counseling Testing Med History Physical Exam **Surgery/Post-Op** Follow-up Patient Search User Adm

Provider: Please Select

Surgery and Post-Op **Surgery Notes** Immediate Post-Op Notes Adverse Events

Assistant Clock

Start Time: Begin 5:12:17 AM

End Time: End 5:12:10 AM

Time Elapsed: 00:00:15

Anaesthesia:

☐ Marcaine 0.5% mL

☐ Lignocaine 2% mL

☐ Lignocaine 1% mL

☐ DBNP ☐ DBNP + ring block

Physician Clock

Start Time: Begin 5:12:10 AM

End Time: End 5:12:10 AM

Time Elapsed: 00:00:00

Procedure Used:

☐ Sleeve ☐ Dorsal Slit

☐ Forceps Guided

Other:

Suture:

☐ Chromic ☐ Not applicable

☐ Vicryl rayoide ☐ Plain Gut

Diathermy used: ☐ Yes ☐ No

Notes:

New Save Close

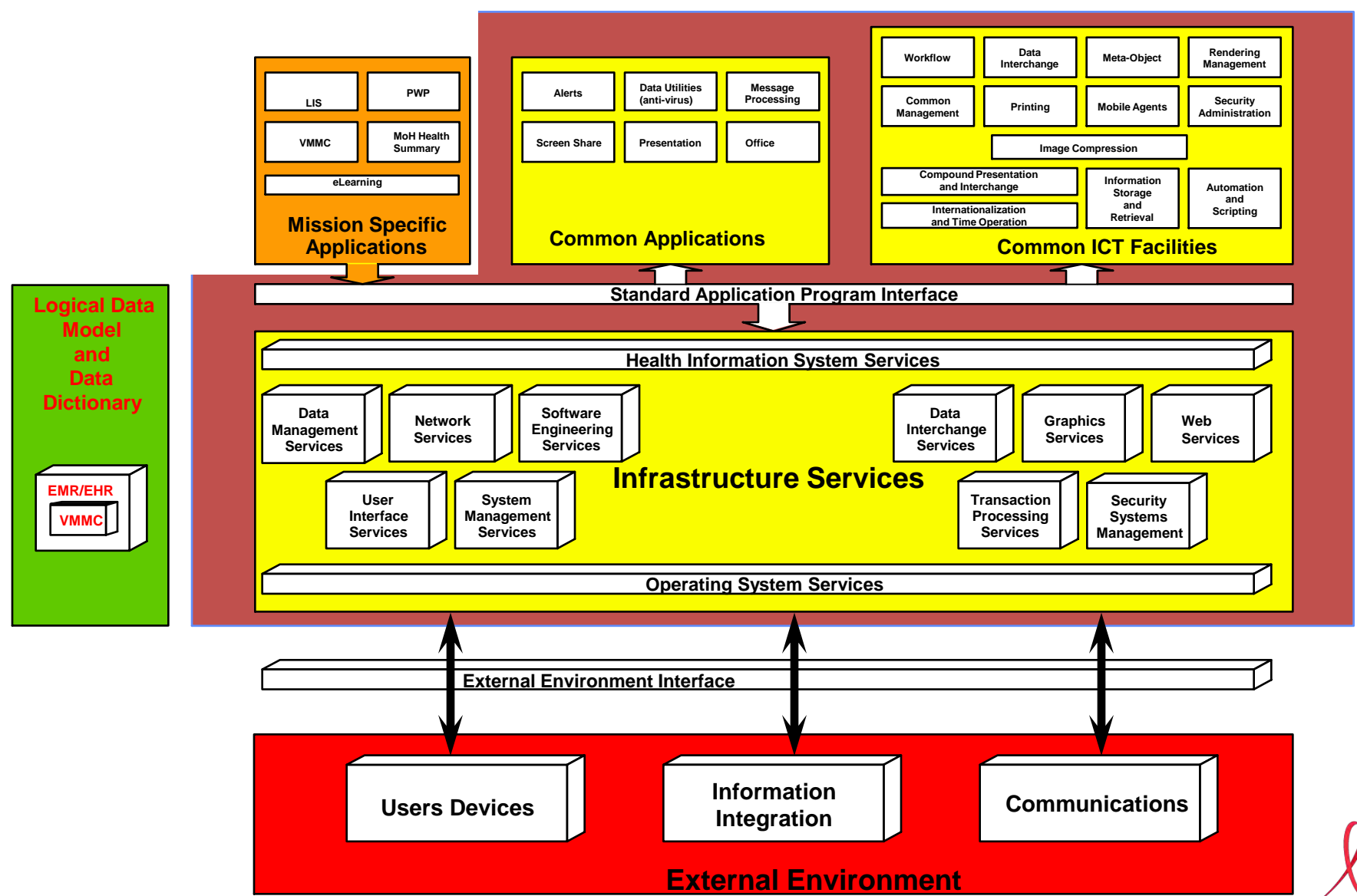
Vista LifeSciences

5:12 AM 9/17/2012



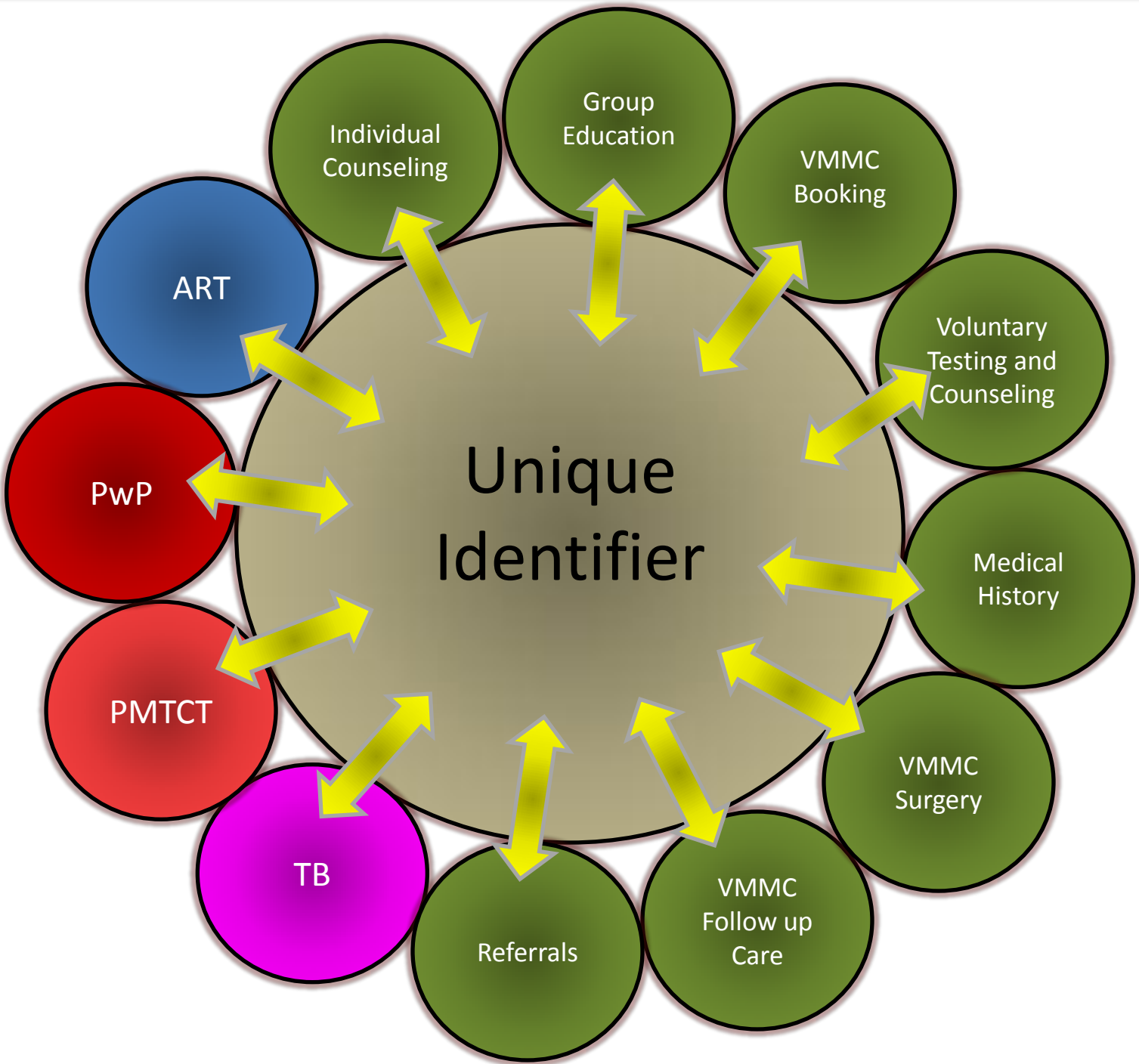
Enterprise Architecture Approach

PEPFAR



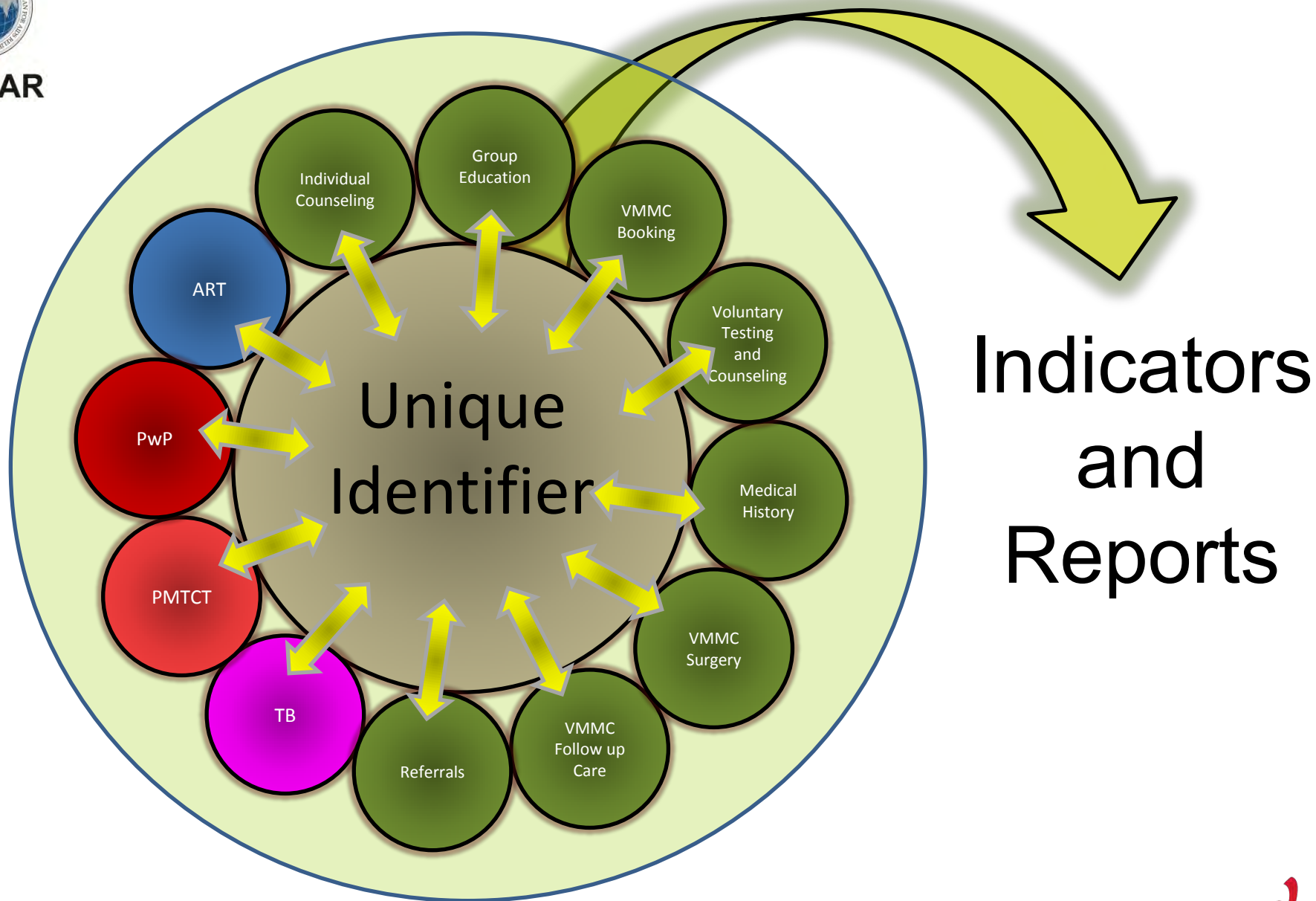


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Sexual and Other Risk Prevention

- Number of targeted population reached with individual and/or small group level prevention based on evidence and/or meet the minimum standards
- **P8.1.D**

HIV Counseling and Testing (T&C)

- Number of individuals who received T&C services for HIV & received their test results
- By sex
- By age category
- By test result
- By type: individual/couple
- **P11.1.D**

VMMC

- Number of VMMC
 - By Age
 - By HIV status
- Number AE
 - By Severity
- Number of MC Locations
- Proportion of males circumcised
- **P5.1.D + others**

HSS

- Number of healthcare workers trained
- By Type: Male Circumcision Training/ Pediatric Treatment Training
- **H2.3.D**

Post Exposure Prophylaxis

- Number of persons provided with post-exposure prophylaxis (PEP)
- By exposure type
- **P6.1.D**





PEPFAR VMMC Indicators

- Number of males circumcised as part of the minimum package of MC for HIV prevention services
 - By Age: <1; 1-9; 10-14; 15-19; 20-24; 25-49; 50+
- Number of circumcised clients experiencing at least one moderate or severe adverse event (AE) during or following surgery
- Number of locations providing MC surgery as part of the minimum package of MC for HIV prevention services
- Number of males circumcised who return at least once for post-operative follow-up care (routine or emergent) within 14 days of surgery
- Number of healthcare workers who successfully completed an in-service training program
 - By MC Training and Pediatric Treatment Training





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Training

- M&E
- HIS
- Basic & advanced computer skills
- Data use & reporting
- 47 peer educators, nurses, counselors, physicians, HIV coordinators trained
- 2 ICT Signal Corps trained





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Botswana Defence Force Implementation



Summary

- Sample paper data collection tools available
- Implementation of HIS system in partner military programs to satisfy various reporting requirements
 - Plans to implement in 12 countries
 - Demo of the system





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Thank You!

For more information contact:

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