



HIV Case Surveillance Implementation Experience from Zimbabwe



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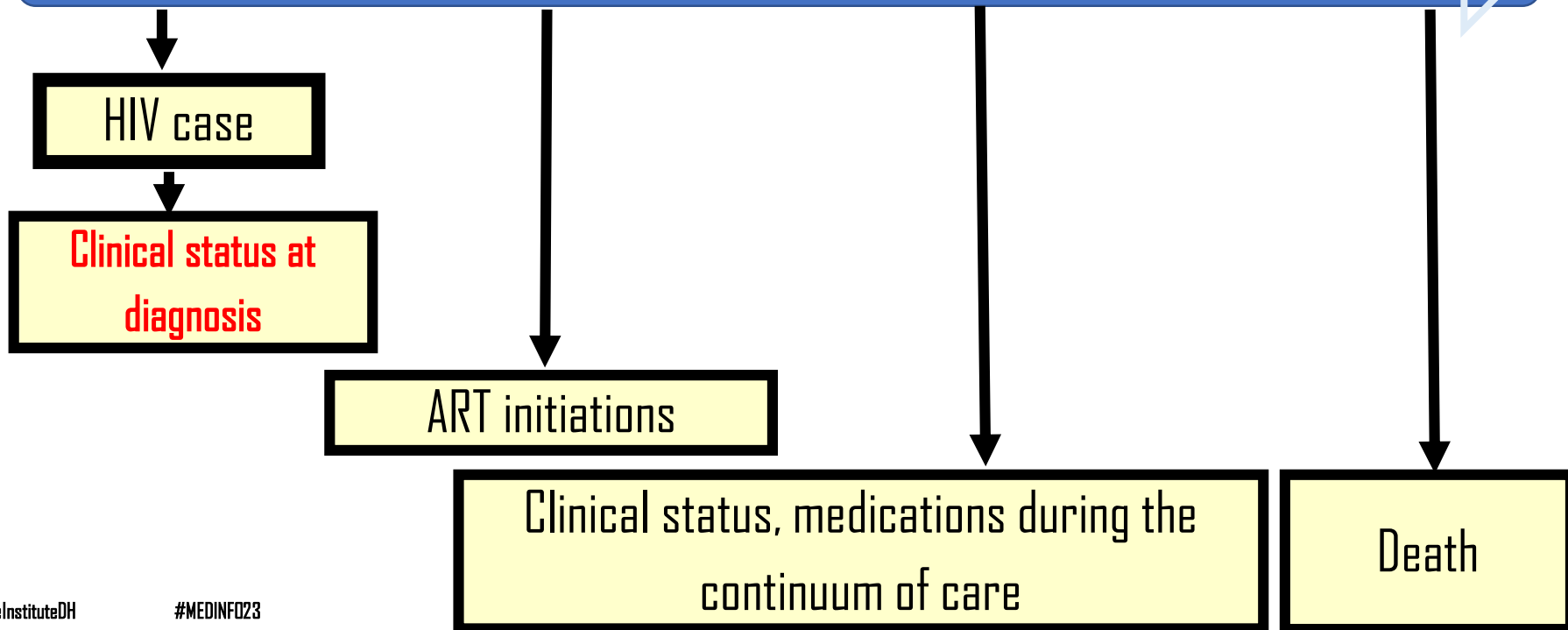


Outline

- Definition and background
- Health information systems
- Record linkage and deduplication process
- Data security measure
- Data use for public health

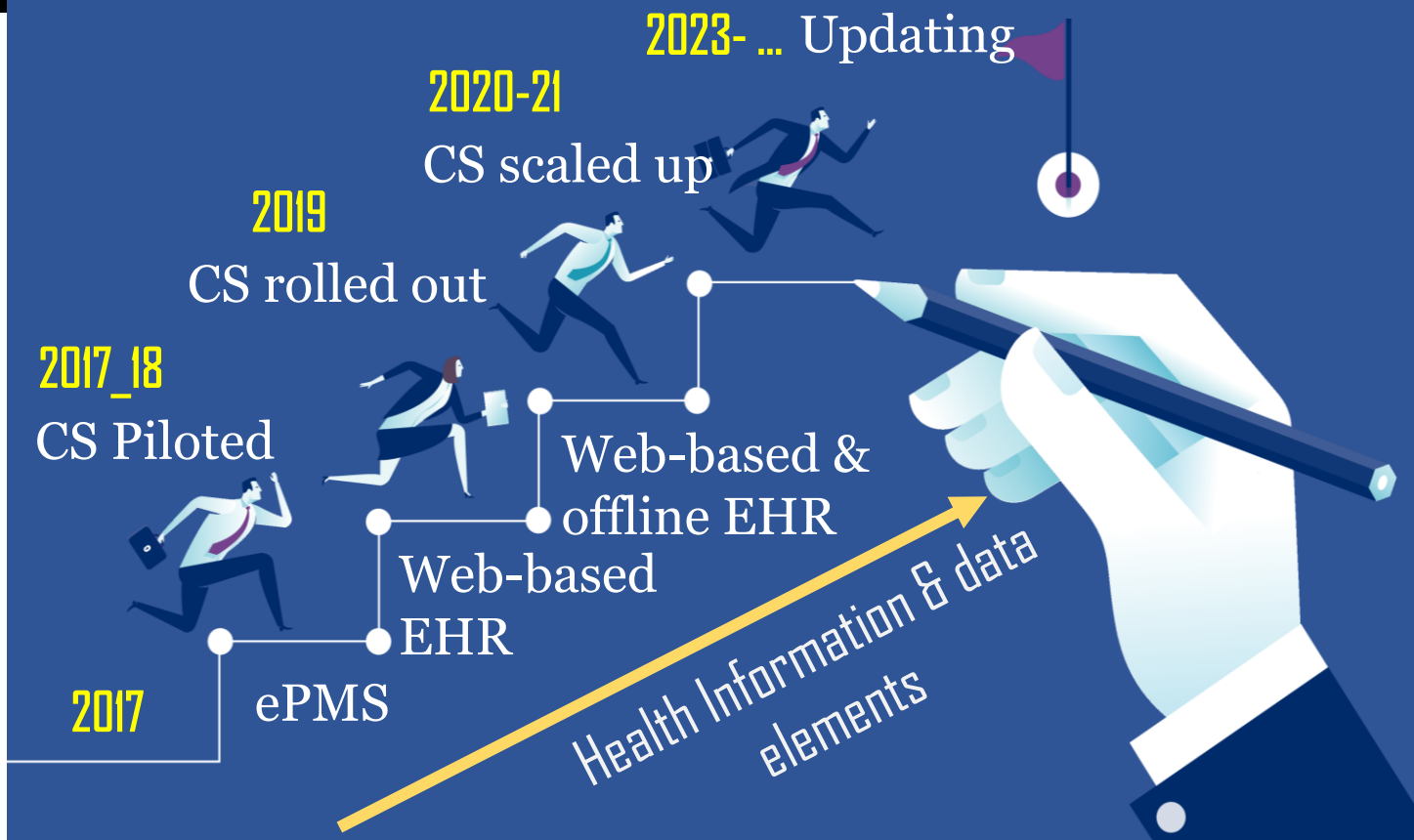


HIV CASE SURVEILLANCE





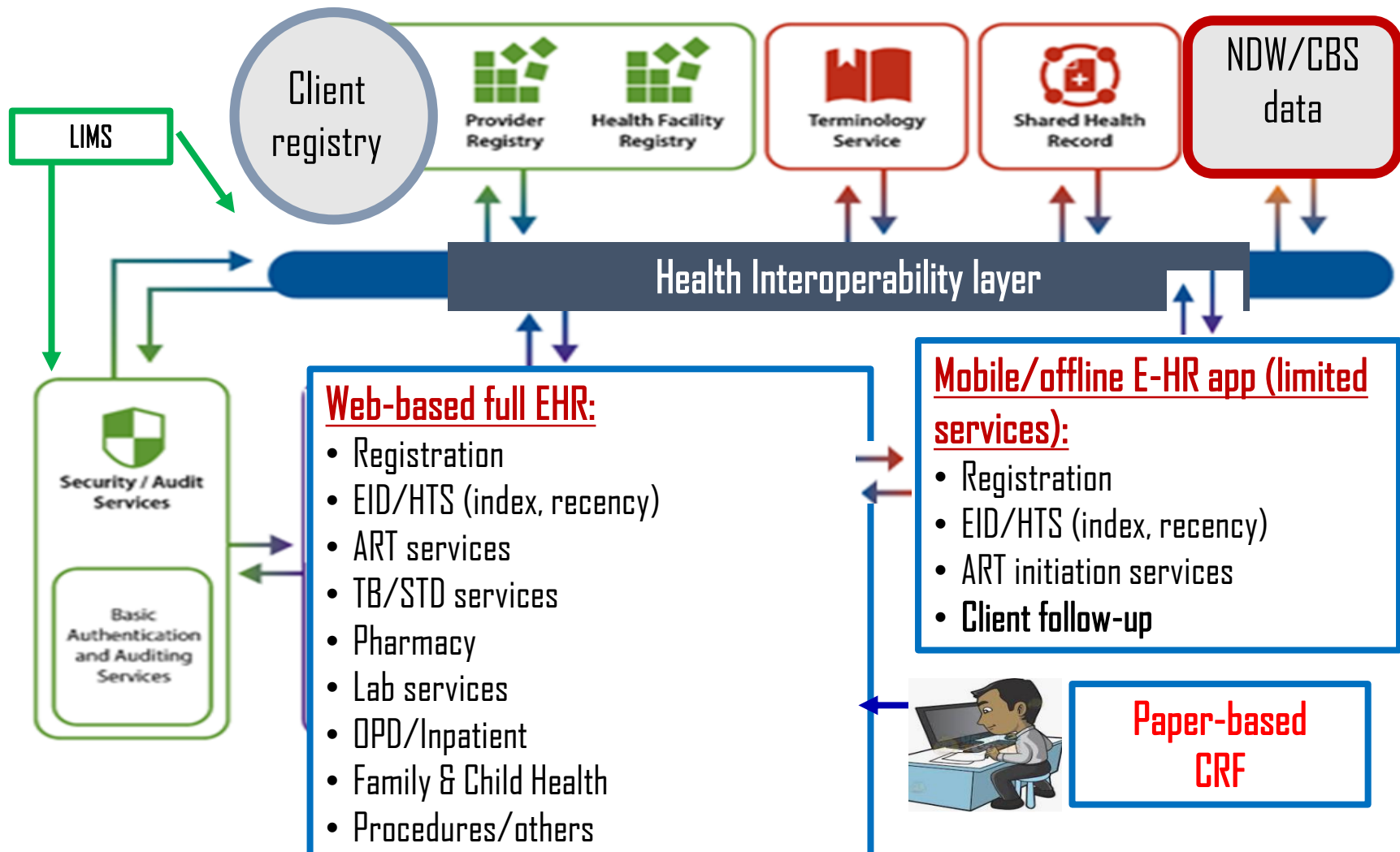
Case Surveillance Background





Health Information System Choices

Pros/cons	Electronic Patient Management System (ePMS)	Pros/cons	Impilo Electronic health record system (EHR)
X	HIV medical record only	V	OpenHIE, all diseases
X	E-Last/not client-centered system	V	E-First/client centered system
X	No interoperability/linkage across sites	V	Interoperability/ linkage across sites
V	Simple & easy to use	X	Sophisticated
V	Low installation and training costs	X	High installation and training costs
X	High maintenance cost	V	Low maintenance cost





Security Features for EHR System



site level



**while data in
transit**



central repository level

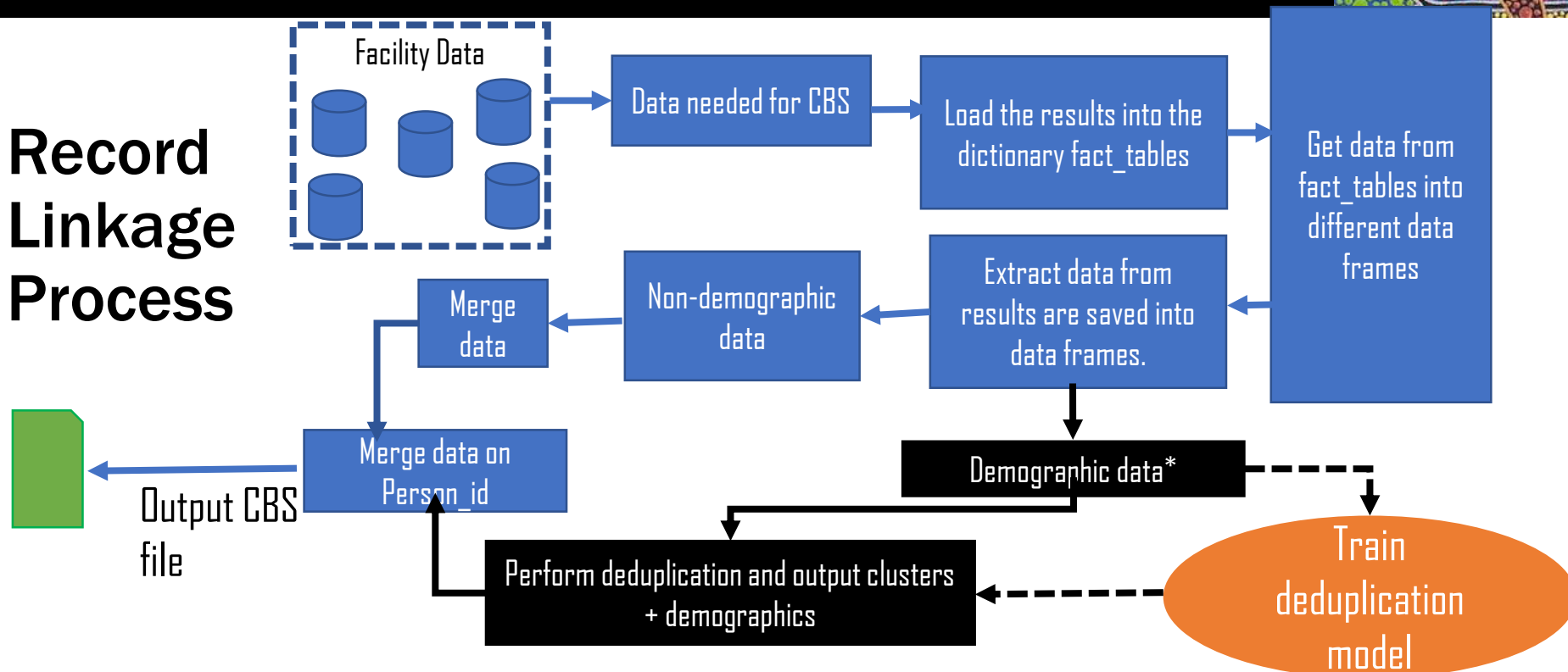


Data Security Measures

1. Updating applications
2. HTTPS activation
3. Password Management
4. Tracking/logging of system changes
5. Site-level user training for security guidance
6. A disaster recovery plan: offsite backups, restoration backup logs
7. Audits: Internal annually + external every 2-5 years.
8. Others

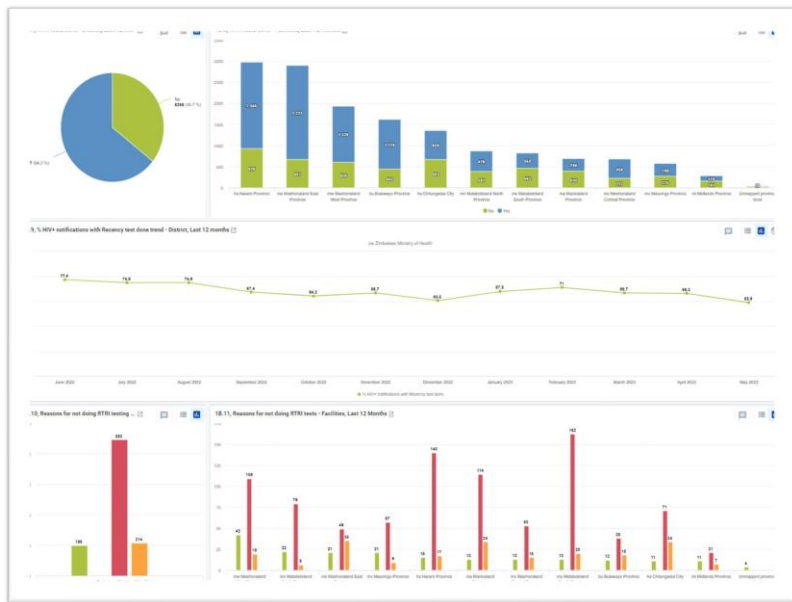


Record Linkage Process





Dashboard



Primary objectives :

1. assess data quality
 2. analyze gaps by each program area to propose one or two public health responses to be conducted in the next 6 months
- Identify characteristics, risk factors of cases
 - Gaps in clinical services (continuum of care cascade)



Dashboard Platform Choices

PowerBI		DHIS2	
x	Licensing costs, available at few institutes	v	Free license, widely available
x	Users need the same email tenant	v	Users to create user ID/password
v	Interactive (one tab, users can stratify data)	x	not interactive (multiple tabs)
v	Low maintenance	x	High maintenance

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Thank You

