

# Integrating M&E data into Microplanning Processes to Optimize the Reach and Impact of Targeted Testing Efforts

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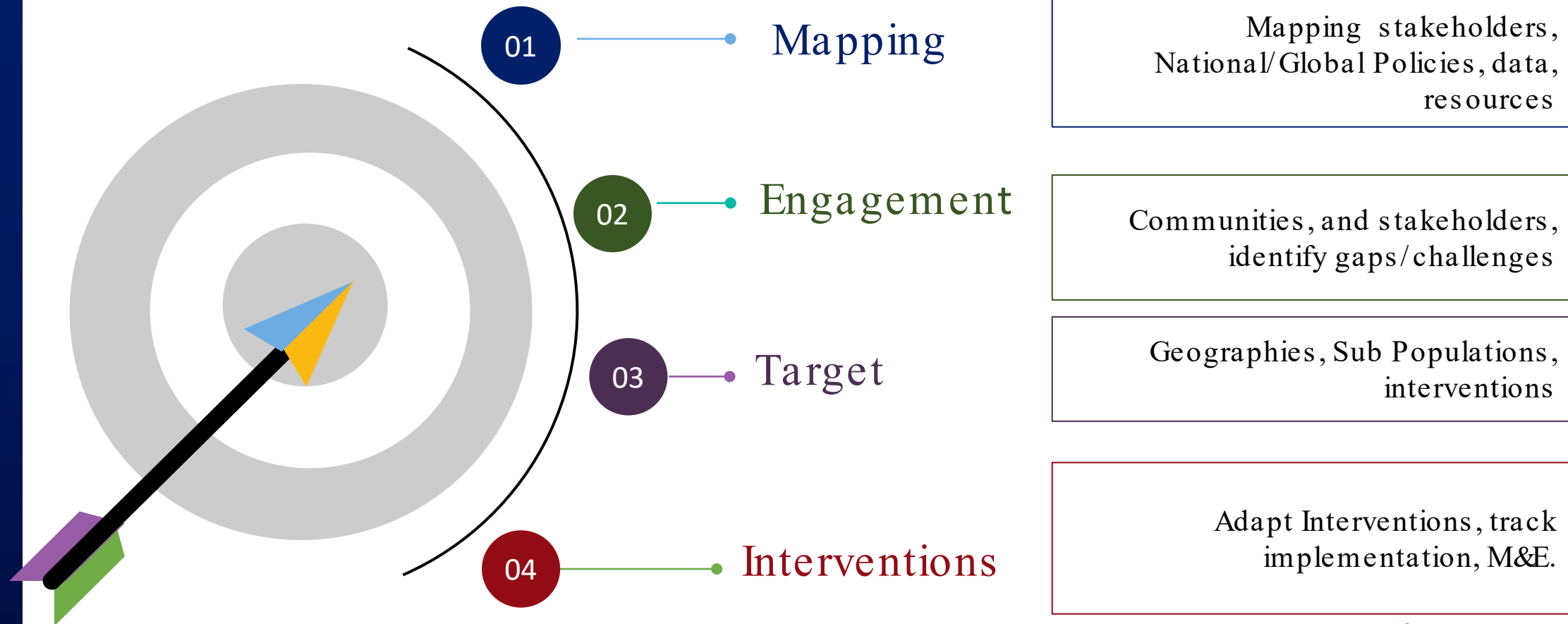
CQUIN dHTS Meeting | July 9 - 12, 2024 – Durban, South Africa

# Objectives

- 1) Gain insights into the methods for integrating M&E data into microplanning processes to optimize the reach and impact of targeted testing efforts: Case study of Index Testing from Kenya
- 2) Understand the importance of comprehensive data collection and analysis in informing strategic decisions and improving the overall effectiveness of dHTS programs

# What is Microplanning?

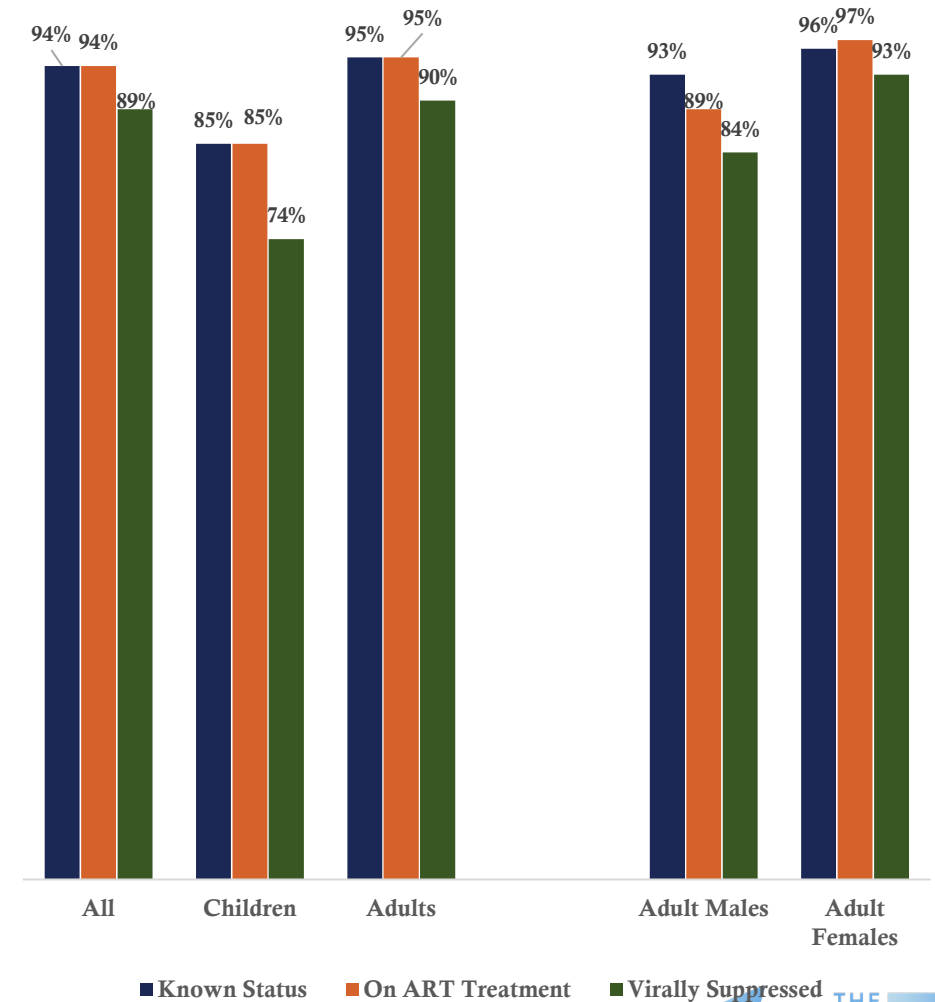
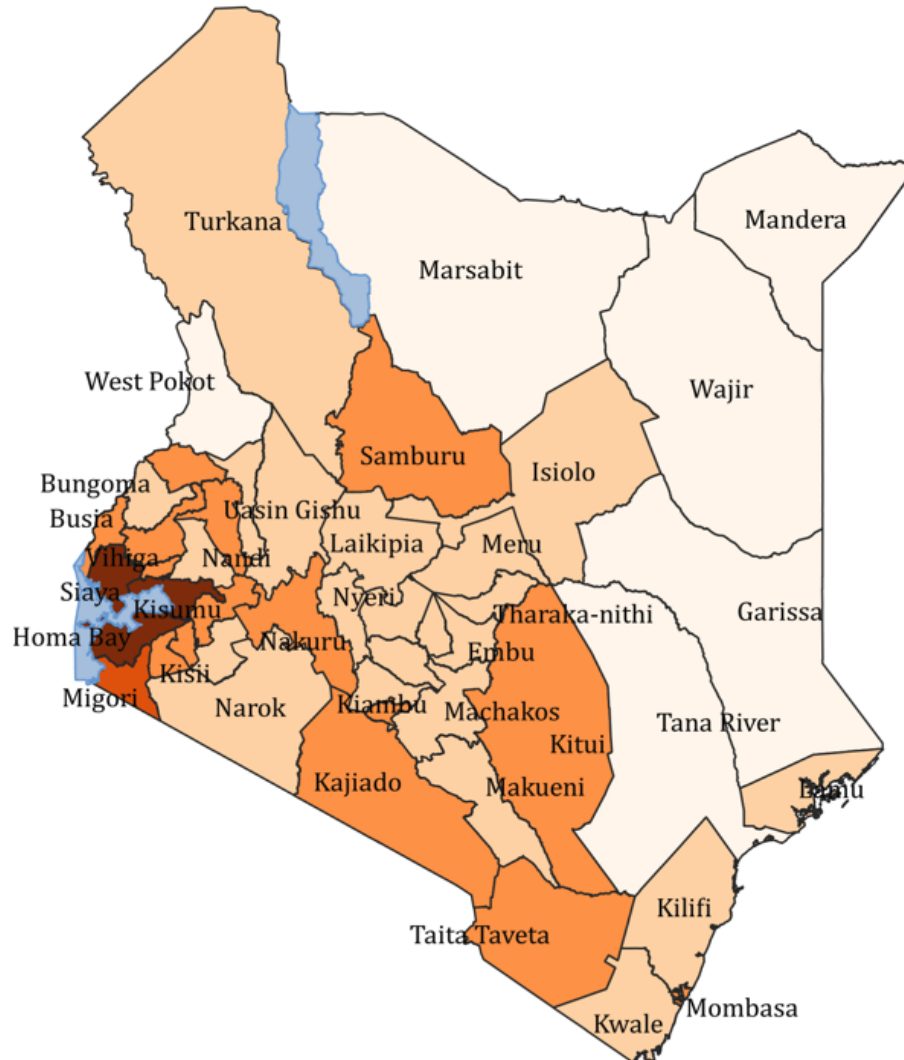
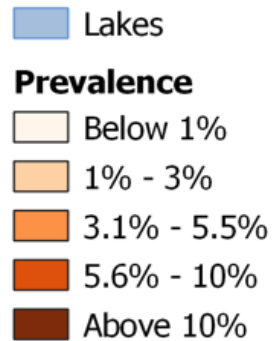
“..Microplanning is the process of creating detailed, delivery-level operational plans for reaching target populations with health interventions ...”



# Background: Kenya Epi Profile

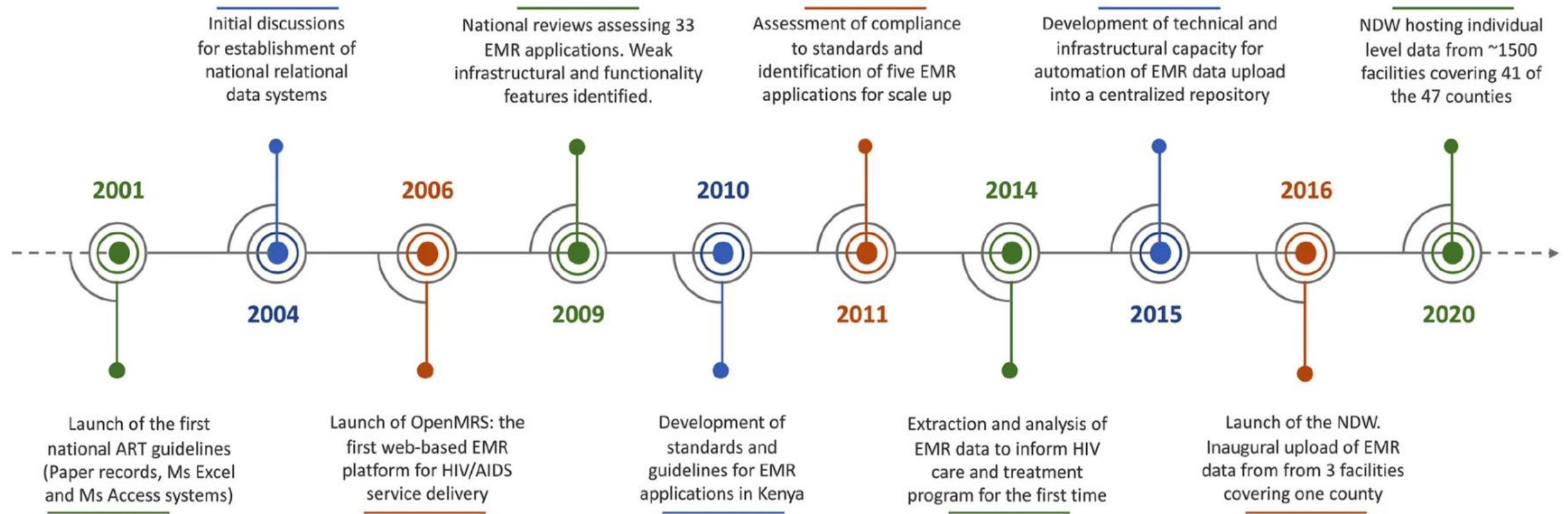
- HIV Infections-**22,154**
- HIV Prevalence- **3.7%**
- Incidence- **0.059%**
- Mortality- **18,473**
- MTCT Rate- **8.6%**
- PLHIV- **1,377,784**

Source: HIV Estimates, 2023



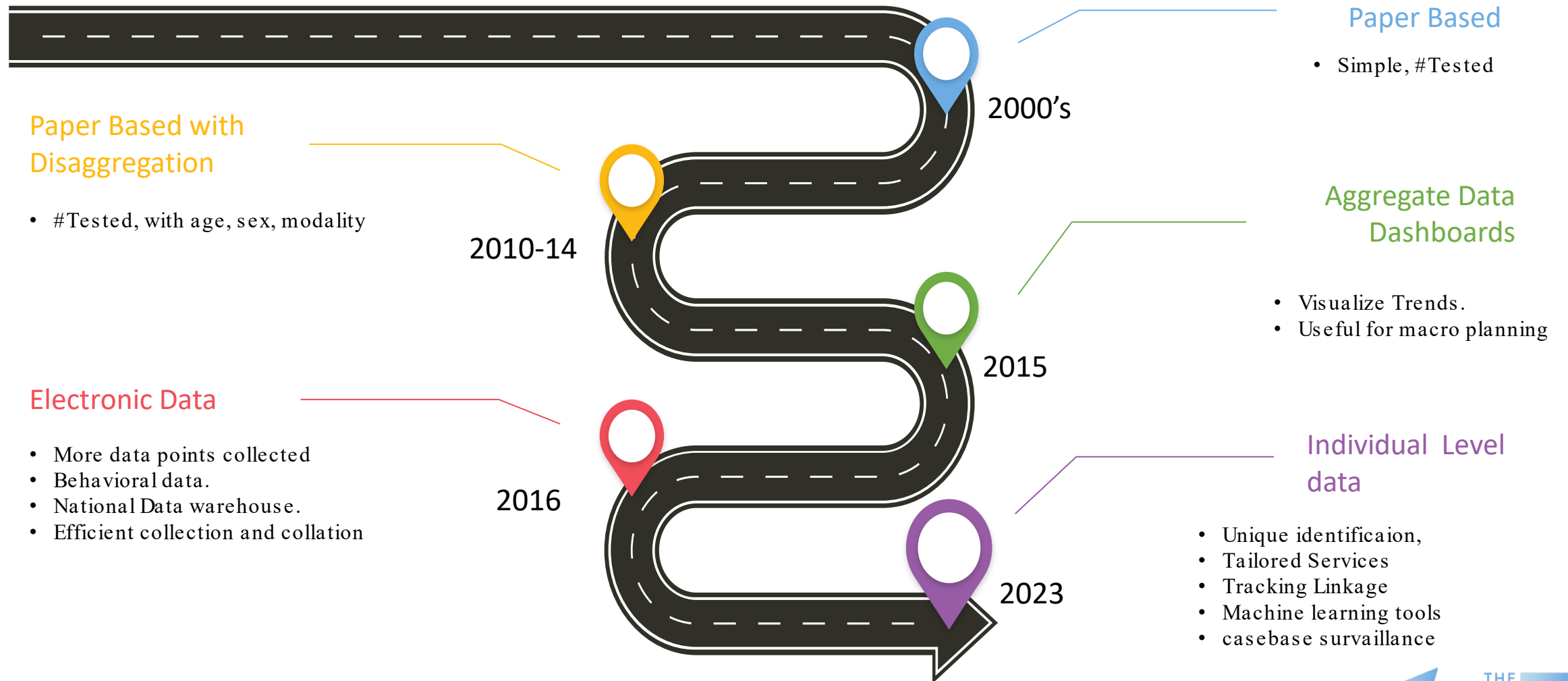
# Evolution of the Kenya HMIS

From: [Leveraging electronic medical records for HIV testing, care, and treatment programming in Kenya—the national data warehouse project](#)



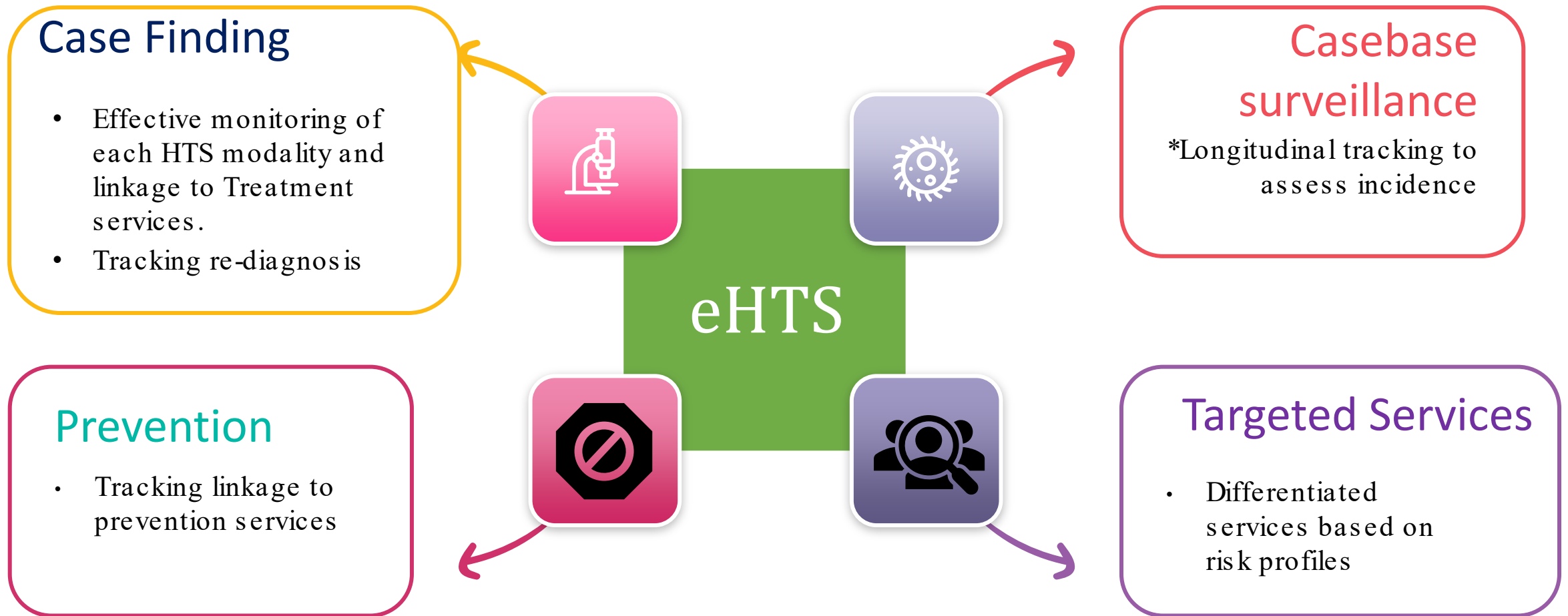
Ndisha, M., Hassan, A.S., Ngari, F. *et al.* Leveraging electronic medical records for HIV testing, care, and treatment programming in Kenya—the national data warehouse project. *BMC Med Inform Decis Mak* **23**, 183 (2023).

# Evolution of HTS SI Systems





# Why Electronic HTS (eHTS) for dHTS?





# eHTS Coverage Among Sites with EMR in Kenya: FY 24Q1

County	Number of Active EMR Sites as of December 2023	EHTS Uptake		Tests in KHIS Within FY24 Q1	Tests in NDW Within FY24 Q1	%
		n	%			
MARSABIT	11	-	0.00%	-	-	-
MERU	52	38	73.08%	21,177	9,693	46%
MIGORI	100	78	78.00%	48,987	21,480	44%
MOMBASA	75	47	62.67%	39,529	21,218	54%
MURANG'A	47	36	76.60%	24,967	16,830	67%
NAIROBI	237	148	62.45%	148,670	119,489	80%
NAKURU	123	44	35.77%	54,533	13,205	24%
NANDI	40	31	77.50%	14,122	3,264	23%
NAROK	49	33	67.35%	28,723	6,541	23%
NYAMIRA	51	30	58.82%	11,845	3,821	32%
NYANDARUA	41	31	75.61%	12,004	9,615	80%
NYERI	42	35	83.33%	18,939	15,683	83%
SAMBURU	23	7	30.43%	4,368	2,003	46%
SIAYA	143	139	97.20%	69,944	46,048	66%
TAITA TAVETA	51	22	43.14%	9,363	6,930	74%
TANA RIVER	10	-	0.00%	-	-	-
THARAKA-NITHI	31	19	61.29%	8,706	6,093	70%
TRANS NZOIA	49	35	71.43%	24,454	6,807	28%
TURKANA	47	12	25.53%	11,710	1,024	9%
UASIN GISHU	39	26	66.67%	38,078	18,277	48%
VIHIGA	36	24	66.67%	13,539	7,818	58%
WAJIR	6	-	0.00%	-	-	-
WEST POKOT	15	13	86.67%	13,465	4,277	32%
<b>TOTAL</b>	<b>2,756</b>	<b>1,755</b>	<b>63.68%</b>	<b>1,145,335</b>	<b>649,155</b>	<b>57%</b>

# Case Study Index Case Testing-

PARTNER NOTIFICATION SERVICES TRACKING LOG																			
Index Client Information					Information about Contacts (sexual/needle sharing partner(s) and biological children)					Contact Tracing and Outcome				Contacts HIV Testing		Linkage to Treatment		Comments (ac)	
No. (a)	HTS Number (b)	Date (dd/mm/yyyy) (c)	Index Client Name (First and Last Name) (d)	Index Testing Accepted? (Y/N) (e)	Name of Contact (First and Last Name) (g) <i>Indicate the nick name in bracket where applicable</i>	Age (Years) (h)	Relationship to index client (SP/IP/WID/C) (i)	IPV Risk Assessment Conducted (Y/N/NA) (l)	Knowledge of HIV status (KP/Neg/Unk) (n)	Preferred PNS Approach (Contract/Duel/Provider/Client) (p)	First Attempt	Second Attempt	Third Attempt	Contact Consented for Testing Y/N/NA (t)	Date booked for testing [dd/mm/yyyy] (u)	Tested [Y/N/D] (w)	Linked [Y/N] (y)		Facility Linked to Treatment (aa)
				If No, Please Indicate Why? (f)		Sex (M/F) (i)	Cell phone No. Primary/Alternate (k)	IPV Risk Assessment Outcome (m) 1-Physical 2-Emotional 3-Sexual 4-No IPV 5-NIA-CHILD	If KP, on treatment? Y/N Record ART Number (o)		By Phone/Physical (dd/mm/yyyy) Outcome (C/NC) (q)	By Phone/Physical (dd/mm/yyyy) Outcome (C/NC) (r)	By Phone/Physical (dd/mm/yyyy) Outcome (C/NC) (s)		Date HIV testing done (dd/mm/yyyy) (v)	HIV Test Outcome (Pos/Neg/I) (x)	Date Linked to Treatment (dd/mm/yyyy) (z)	ART Number (ab)	

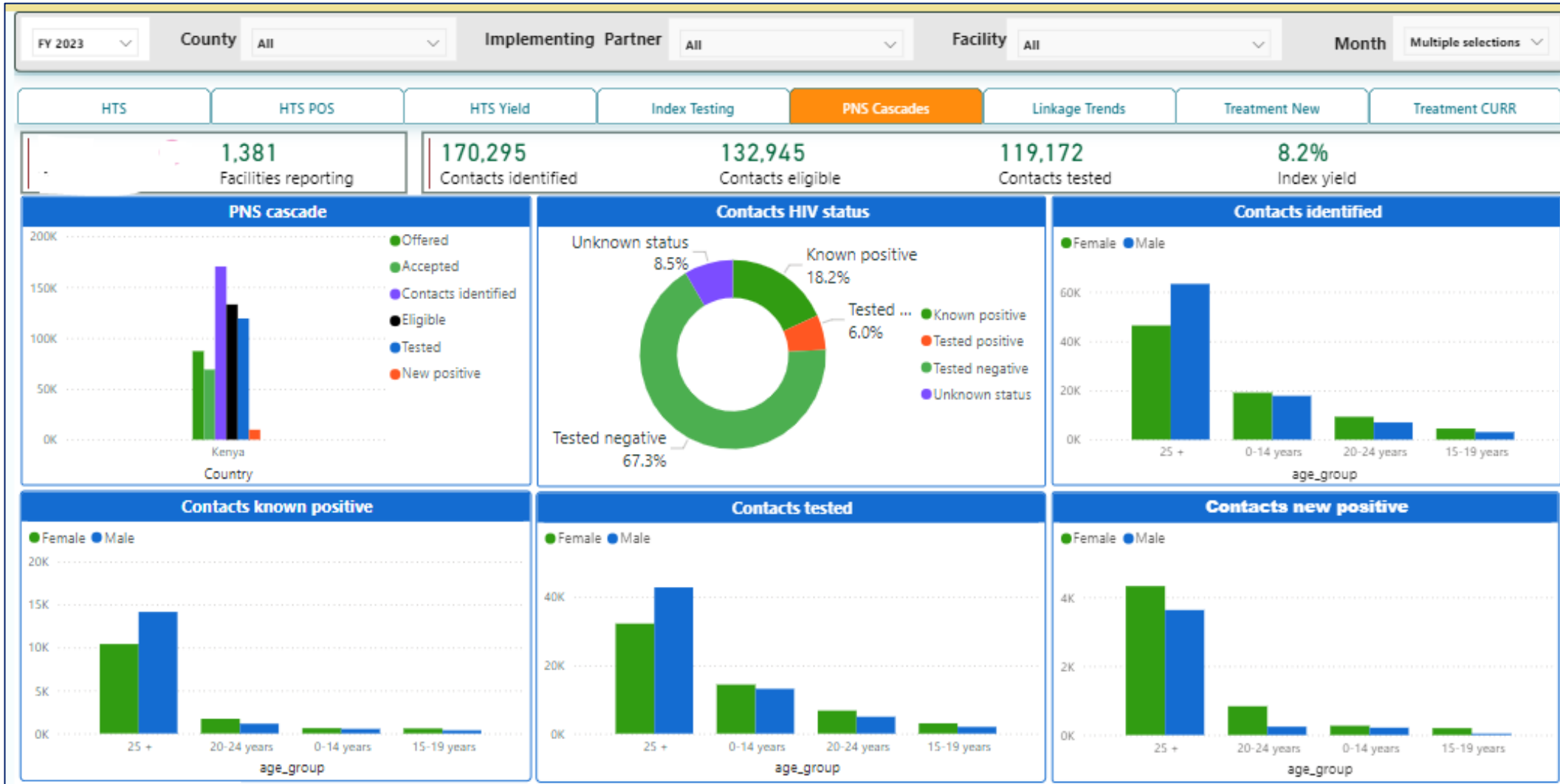
Paper Based System:

- In addition to HTS register
- Difficult to track contacts tested.
- Difficult to create and track cascades of contacts elicited and tested.
- Potential Missed opportunities

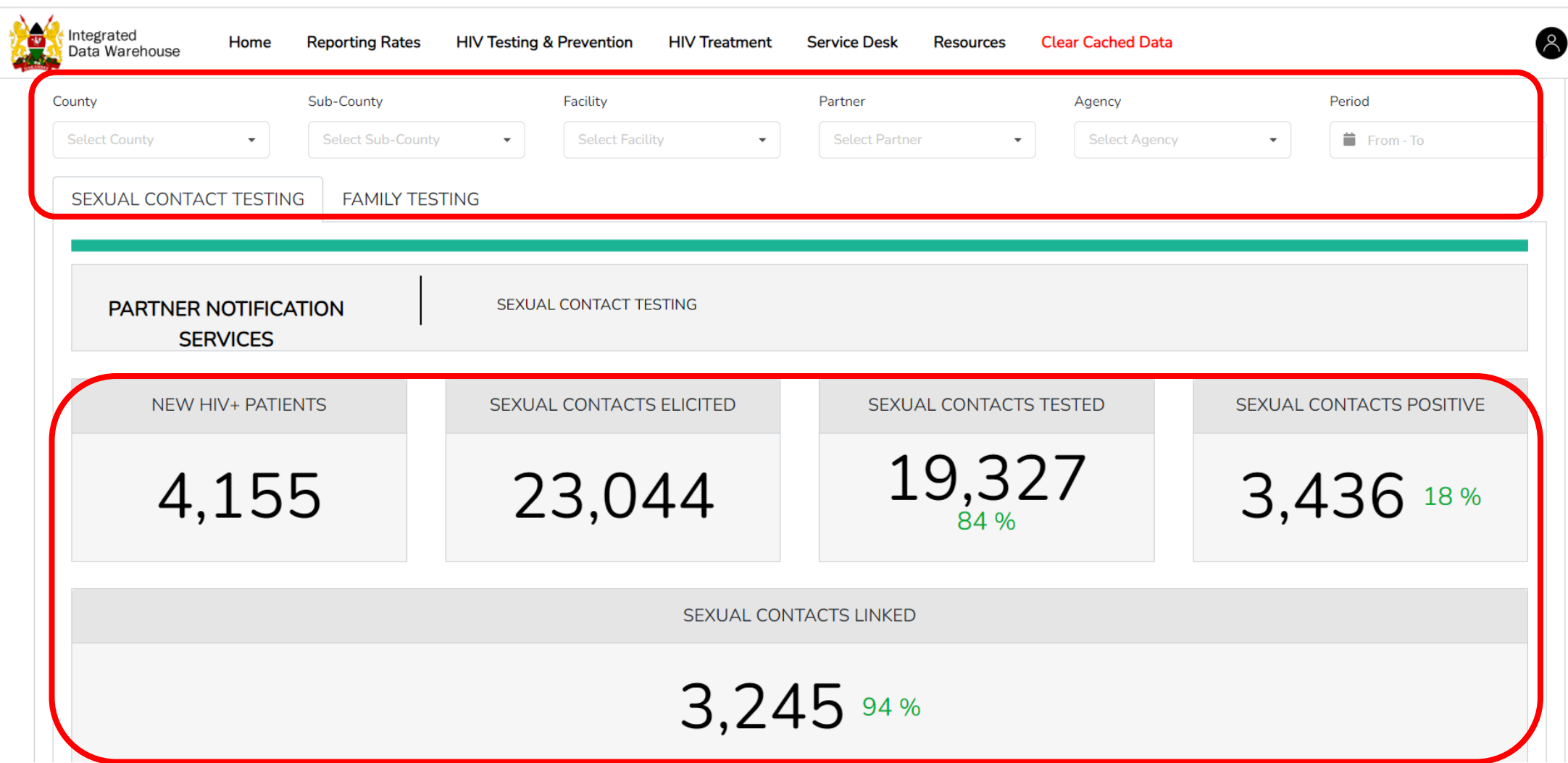


Resolved to overcome these challenges by shifting to electronic HTS(eHTS)

# Improved Data Aggregation and Visualization Enhances Micro Planning



# Next Frontier: Using Individual-level data for Micro Planning



Data tracked by County, sub-county, Facility, Partner, Agency, Period

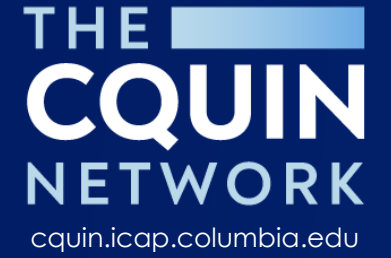
Improved outcome measures of sexual contacts Tested, and linked to Rx.

# Conclusion

- M&E systems are crucial to effective program monitoring
- Data is critical in Micro planning
- Electronic data systems are versatile tools for microplanning
- Challenges with Electronic data
  - Data privacy
  - Data Governance
- M& E systems should continuously collaborate with programs to evolve

# Acknowledgments

- Implementing Partners
- Stakeholders
- PEPFAR
- MoH



# Thank You!

