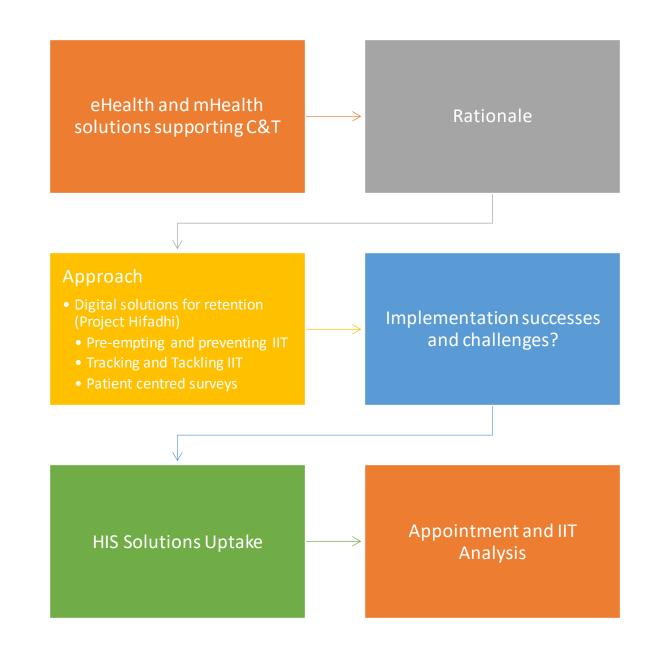


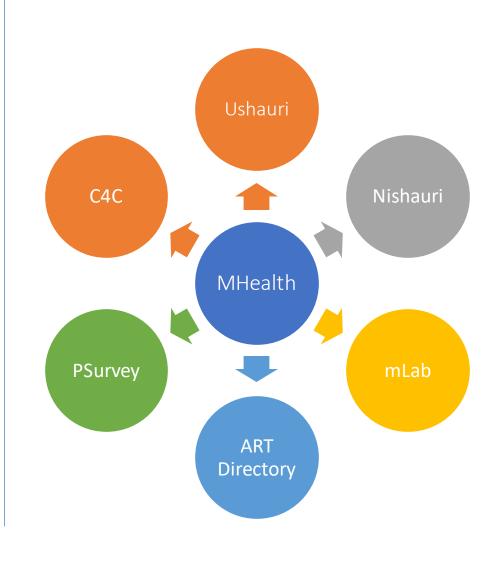
Presentation Outline



eHealth Modules Supporting C&T

mHealth Modules Supporting C&T





Rationale

The digital solution are designed and developed to address the need to:

- 1. Improve patient care management
- 2. Provide timely interventions through clinical decision support features
- 3. Seamlessly identify clients currently active on ART to support MOH and PEPFAR reporting
- 4. Send patient appointment reminders
- Identify and track clients who miss their appointment
- 6. Track client movement across facilities
- 7. Understand client needs for program improvement

HIFADHI

HIS Support for Hifadhi

01 – IIT Pre-empting & Prevention

- Robust appointment management (client profile),
- Use of USHAURI and Nishauri for appointment reminders
- Machine learning to predict IIT; IIT report and alerts
- Clinical decision support features
 i.e., missed appointmentalerts

02 – IIT Tracking and Tackling

- Defaulter tracing form and register
- Ushauri Tracing module
- Appointment and attrition Report
- Comparison of two TX_CURR reports, IIT line lists tracking at all levels
- ART Directory for tracking client movement (TOs, transit).
- Mortality audits: understanding deaths among PLHIV to identify points of intervention, AHD detection and management

03 – WHAT NEXT: Patient Perspectives with pSurvey

- Understanding AHD who had dropped off treatment
- Understanding clients with previous history of dropping off treatment
- Understand causes of non viral suppression from a client perspective
- understand delayed linkage onto treatment program post HIV diagnosis





HIS features for Pre-empting and preventing IIT

HIS Support for Hifadhi: Client facing

Health System Challenge

Digital Health Intervention

Technology Solution

- Patients forgetting or missing appointment
- At risk patients miss appointments or become IIT more often
- Patients with smartphones do not like/read SMS
- Patients lack access to information about their treatment

- Send SMS reminders to all patients
- Use of ML to target higher IIT Risk Clients with text messages
- Share reminders through a mobile app rather than SMS
- Easily accessible data on mobile phone to empower and promote selfcare/family care through easy tracking of own ART, weight VL, regimens

- Ushauri
 - SMS reminder
 - Calling platform

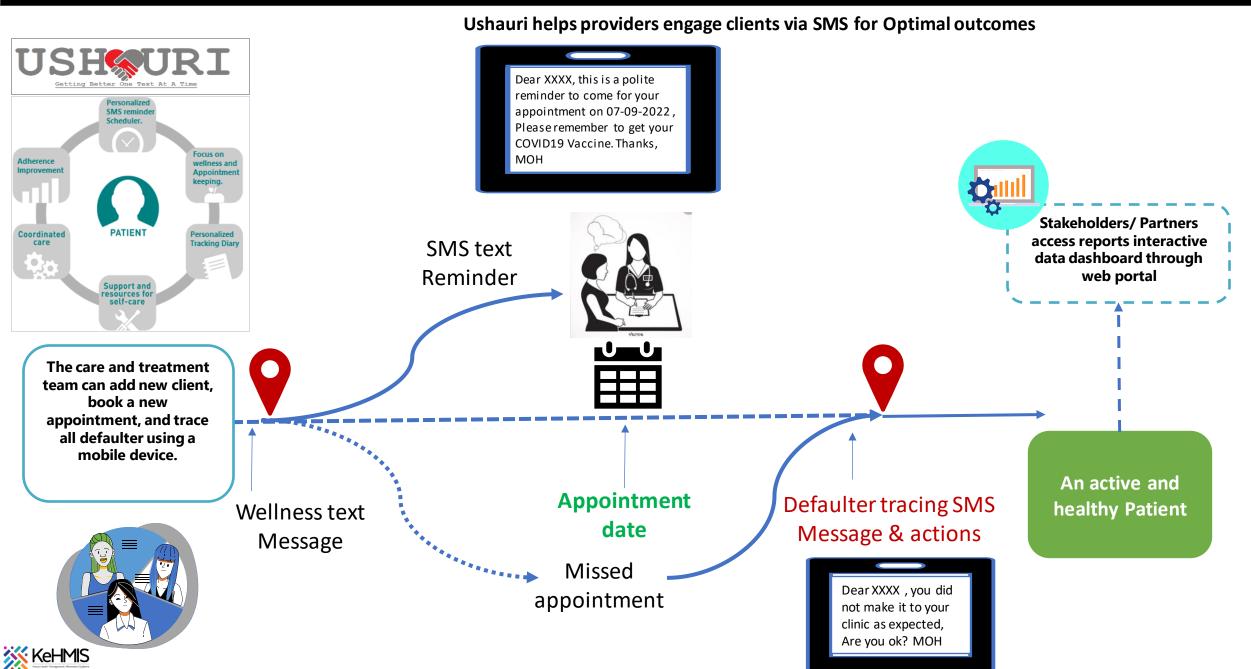
- Nishauri personal Health Journal,
 - FAQ
 - SMS chatbot
 - Family listing
 - Weight monitoring







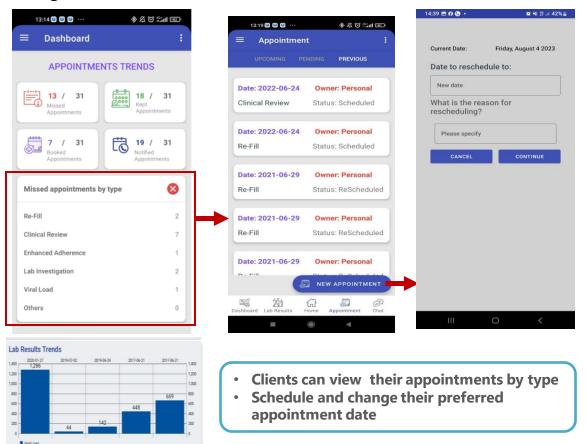
Pre-emptive Measures: Engaging clients through Ushauri



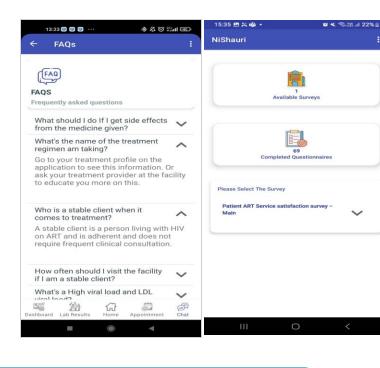
Pre-emptive Measures: Empowering clients through Nishauri

Nishauri is a smart phone application for use by patients as a personal health journal and for engaging with providers

Integrates all Ushauri services with additional features on VL, surveys and FAQs







- View FAQs on HIV to improve their understanding and aid in awareness on care management
- Respond to targeted surveys for program improvement

Through Nishauri clients can also:

- Mother Baby Pairing
- Request VL results
- List their dependents

Clients can view appointment keeping trends and their scores



HIS Support for Hifadhi: Provider facing

Health System Challenge

- Providers do not have access to information on missed appointments
- Providers manually record tracing defaulter tracing attempts
- Providers have difficulty targeting interventions for IIT at risk clients during a clinical visit
- Providers have inadequate information for targeted IIT prevention intervention for at risk clients
- Providers have difficulty identifying IIT risk clients in between visits
- Inability to link cases to case managers

Digital Health Intervention

- Provide appointment listing and honoring status in EMRs
- Defaulter tracing form and register
- Missed appointment tracking report
- Alerts and flags on patient profile on IIT risk
- IIT risk factors provided on patient profile
- IIT at risk line-list with IIT risk category/Risk score/ appointment list
- Linking cases to case managers

Technology Solution

- Clinical Decision Support Features in EMR
- Defaulter tracing and logging module in EMR
- Return to Care form in EMR

- HIFADHI IIT Clinical Decision Support in EMR and NDW
- Missed appointment and IIT linelist in EMR
- High IIT risk client linelist in EMR

Proactive Actioning: ML for Intelligent Decision Support

Intelligent decision support: Predicting clients at High IIT risk for action

What is it?

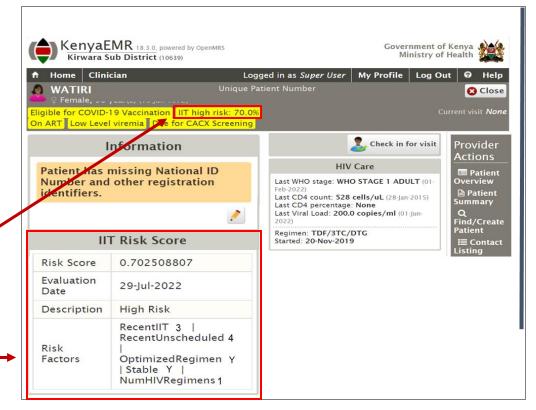
 An intelligent early warning solution that relies on a ML algorithm to flag patients at high risk of experiencing IIT

How it works at the frontline 1/2

- Clinical decision flags in EMRs to alert clinicians of patients at elevated risk of IIT
- Clinical risk factors relevant to client risk score
- High IIT risk patient line-list in EMRs.

Clinical decision support:

Intelligent Alerts and high IIT risk line-lists

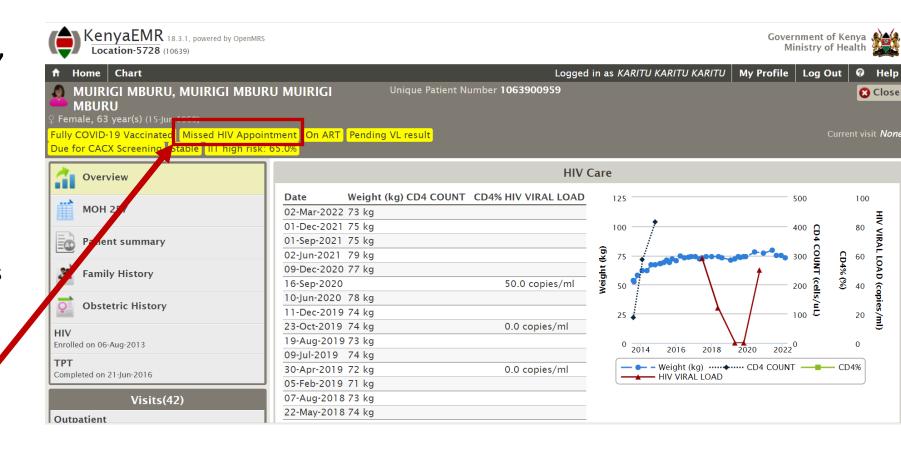


	IIT high risk										
Total: 7 Males: 1	Females: 6										
Name	Age Sex UPN	Last risk score	Evaluation Date	Enrollment Date	Art Start Date	First Regimen	Current Regimen	Current Regimen Line	Stability	Last Visit Date	Next Appointment Date
1 👲	40 F	0.63	31/03/2022	03/03/2013	17/04/2013	AZT/3TC/NVP	TDF/3TC/DTG	First line	Stable	04/05/2022	02/11/2022
.	36 M	0.57379812	29/07/2022	18/08/2014	18/08/2014	TDF/3TC/EFV	TDF/3TC/DTG	-	Stable	02/07/2020	14/01/2021
<u>4</u>	9 F	0.52	31/03/2022	18/05/2015	18/05/2015	ABC/3TC/LPV/r	ABC/3TC/DTG	First line	Unstable	24/03/2022	06/07/2022
<u>4</u> :	24 F	0.53	31/03/2022	24/04/2015	01/12/2015	ABC/3TC/EFV	TDF/3TC/DTG	First line	Unstable	06/06/2022	05/09/2022
<u>4</u> i ,	37 F	0.43	31/03/2022	09/10/2015	08/07/2016	TDF/3TC/EFV	TDF/3TC/DTG	First line	Unstable	03/05/2022	02/08/2022
<u>4</u>	34 F	0.63	31/03/2022	07/03/2017	08/03/2017	TDF/3TC/EFV	TDF/3TC/DTG	First line	Stable	21/07/2022	19/01/2023
<u>4</u>	22 F	0.5	31/03/2022	11/03/2019	11/03/2019	TDF/3TC/EFV	TDF/3TC/DTG	First line	Unstable	15/07/2022	12/08/2022



Clinical decision support features for service eligibility & patient status

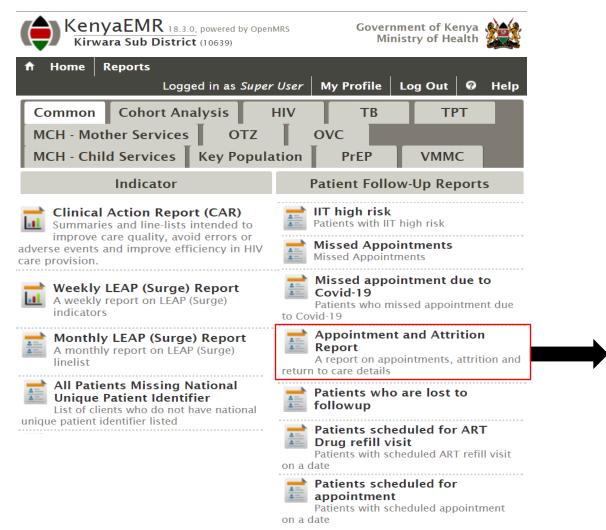
- Upon checking in a client, Providers will see Patient status
 - Summary page has useful summaries and encounter forms
 - Provides visual Clinical Decision Support flags/alerts on:
 - Service eligibility
 - ART regimen
 - Patients' status based on last appointment *
 - IIT risk score
 - Other flags





IIT Prevention: Missed appointment tracking and corresponding reports

KenyaEMR reports that support missed appointment tracking and patients that have experienced IIT



Availability of appointment, attrition and return to care indicators and line lists for all indicators.

	Appointment, Attrition and Return To Care Indica	tors
	Health Facility: XXXX Sub County Hospital MFL Code	: XXXXX
	Reporting period: Month:January Year:2022	
		Number of
	Indicator	Patients
1.0	Current on ART	856
2.0	Appointments scheduled within reporting period	927
	All clients scheduled within reporting period and missed	
3.0	their appointment	80
	Clients who were missed appointment and returned to care	
4.0	within 7 days since their interruption	56
	Clients who were missed appointment and returned to care	
5.0	between 8 and 30 days since their interruption	17
	Clients who have missed an appointment for more than 30	
6.0	days	7
	Clients who were missed appointment and returned to care	
7.0	after 30 days since their interruption	2
	Clients who have missed appointment for more than 30 days	
8.0	and have not yet returned to care as of reporting date	5



Appointment Management and Attrition Report

			Health Facility											
			Reporting pe	riod: Mont	h:July Y	ear:2022					<u> </u>			
CC No	NUPI	DOB	Age at Reporting	Telephone No	Sex	Popolatio n Type	Date confirmed HIV Positive	Date enrolled in HIV	ART Start Date	Current Regimen	Last VL Result	Last VL Date	Last Visit Date	Appointmen Date
		05/08/1985	30	5	M	General Po	03/07/2014	03/07/2014	03/07/2014	TDF/3TC/DTG	LDL	30/06/2022	05/07/2022	05/07/2022
		15/06/2008	14	4	F		21/11/2011	23/11/2011	02/02/2012	TDF/3TC/DTG	LDL	26/04/2022	07/07/2022	06/07/2022
		15/06/1986	30	5	F		22/03/2013	28/03/2013	12/04/2013	TDF/3TC/DTG	LDL	08/04/2021	18/07/2022	28/07/2022
		15/06/1984	38	3	F	General Po	14/09/2012	14/09/2014	08/08/2016	AZT/3TC/ATV/r	LDL	19/01/2021	05/07/2022	05/07/2022
		12/12/1989	32	2	F	General Po	30/07/2014	09/03/2014	31/07/2014	TDF/3TC/DTG	25724	03/02/2022	01/07/2022	01/07/2022
		21/06/1987	3:	5	F	General Po	24/12/2009	11/02/2009	26/10/2011	TDF/3TC/DTG	LDL	03/02/2022	14/07/2022	14/07/2022
		15/06/1990	32	2	F	General Po	08/10/2012	15/05/2013	18/08/2016	TDF/3TC/DTG	LDL	05/04/2022	05/07/2022	05/07/2022
		18/08/1976	4:	5	F	General Po	02/12/2013	03/12/2013	07/07/2015	TDF/3TC/DTG	LDL	22/10/2020	06/07/2022	06/07/2022
		03/06/2003	19	9	F	General Po	09/08/2011	09/08/2011	09/06/2015	AZT/3TC/ATV/r	LDL	13/04/2022	24/06/2022	21/07/2022
		15/06/1977	4:	5	F		15/09/2011	28/09/2011	06/03/2012	TDF/3TC/DTG	LDL	22/01/2021	07/07/2022	06/07/2022
		21/06/2006	10	5	M	General Po	02/12/2011	06/12/2011	06/03/2012	AZT/3TC/ATV/r	3521	17/02/2022	04/07/2022	01/07/2022
		15/06/2002	20		F		10/01/2012	19/01/2012	28/01/2014	TDF/3TC/DTG	LDL	17/12/2020	12/07/2022	07/07/2022
		15/06/2009	1	3	M	General Po	16/04/2012	24/04/2012	14/05/2013	ABC/3TC/DTG	LDL	12/04/2022	06/07/2022	06/07/2022
		15/06/1985	3′	7	F		02/05/2012	10/05/2012	25/06/2015	TDF/3TC/EFV	LDL	22/02/2022	16/05/2022	20/07/2022
		15/06/1968	54	4	F	General Po	06/06/2012	12/06/2012	03/04/2014	TDF/3TC/DTG	0	23/04/2020	11/07/2022	11/07/2022
		15/06/1971	5	1	F	General Po	07/08/2012	14/08/2012	14/10/2013	TDF/3TC/EFV	LDL	10/05/2022	23/06/2022	26/07/2022
		15/06/2007	1:	5	F	General Po	19/02/2013	20/02/2013	13/03/2014	TDF/3TC/DTG	LDL	06/04/2021	07/07/2022	07/07/2022
		22/02/1980	42	2	F	General Po	25/02/2013	26/02/2013	03/03/2014	TDF/3TC/EFV	LDL	11/04/2022	22/06/2022	27/07/2022
		15/06/2008	14	4	F	General Po	01/03/2013	23/03/2013	12/04/2013	ABC/3TC/DTG	LDL	14/10/2020	18/07/2022	28/07/2022

The available line lists in the workbook



Tracking and Tackling IIT: Corrective Measures

Standard Reports

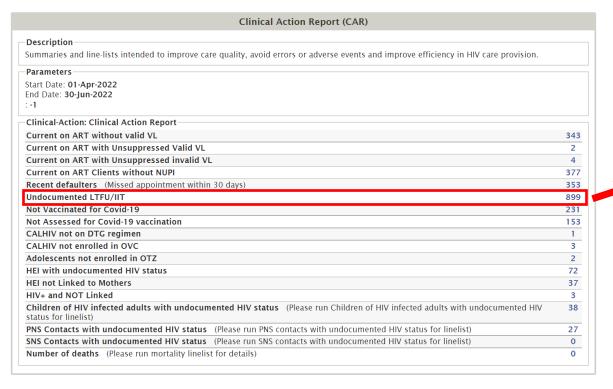
- Provides a one stop point for identification of program gaps
- Allows for reviews on status of facilities' HIV program for post event corrective action
- Form a basis for quality improvement discussions by care teams

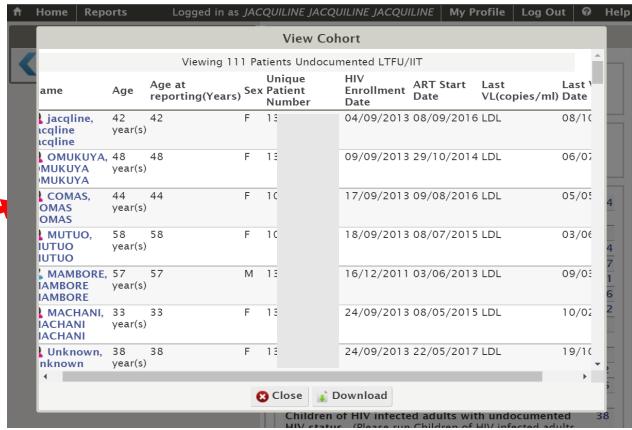




Actionable oriented reports: Clinical Action Report

- Provides a one stop point for gaps identification in areas of high priority for the program
- Form a basis for quality improvement team discussions
- As with other standard reports, allows for drill down to patient levels
- It's a call to action for health care providers to achieve improved health outcomes

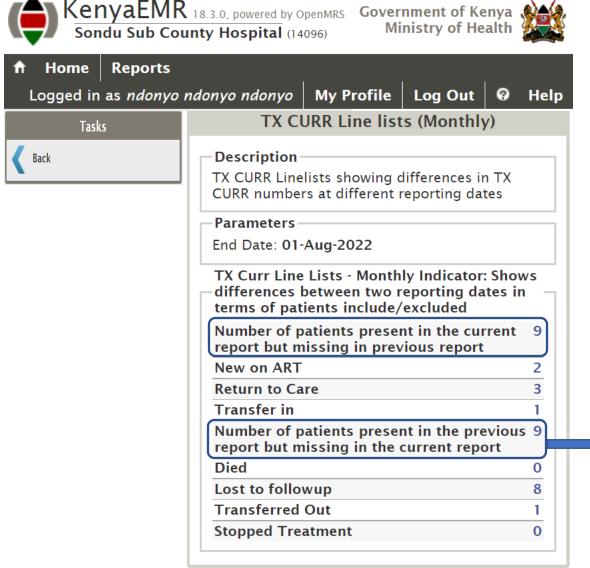






Accounting for all attritions: IITs

KenyaEMR 18.3.0, powered by OpenMRS



KenyaEMR allows comparisons between two reporting time periods and the patients that have been added or lost.

Viewing 9	Patients	s Number of patient	s present in the	e prev	ious report but	t missing in th	e current report	
Name	Age	Age at reporting(Years)	Sex Unique Pa Number	atient	HIV Enrollment Date	ART Start Date	Last VL(copies/ml)	Last VL Date
🋂 Wamii, Wamii Wamii	52 year(s)	52	М		17/01/2013	25/06/2015	0.0	24/01/202
111711111111111111111111111111111111111	63 year(s)	63	F		16/06/2009	26/08/2009	LDL	29/06/202
	37 year(s)	37	F		12/04/2016	12/04/2016	LDL	26/08/202
—	29 year(s)	29	F		29/06/2016	29/06/2016	58405.0	06/08/201
i rry arriborec,	56 year(s)	56	М		02/03/2020	15/03/2021		
	44 year(s)	43	F		18/09/2020	18/09/2020	LDL	27/04/202
5 - activity - activity	46 year(s)	46	М		28/04/2021	28/04/2021		
5 117 11 11 11 11 11 11 11 11 11 11 11 11	39 year(s)	38	М		01/08/2021	01/08/2021		



HIS Support for Hifadhi: Care coordination

Health System Challenge

Digital Health Intervention

Technology Solution

- Providers in two facilities are unable to coordinate transfers
- Providers do not know when to expect a transfer
- Feedback mechanism for transfers arrival/completion
- Inadequate data on transfer completion

- Alert system notifying providers in different facilities on transfers
- Notification to receiving facilities on TCA for transferring patients
- Notification for transfer arrival
- Analytics on transfer for program use

- ART Directory and Referral System
- Referral Analytics

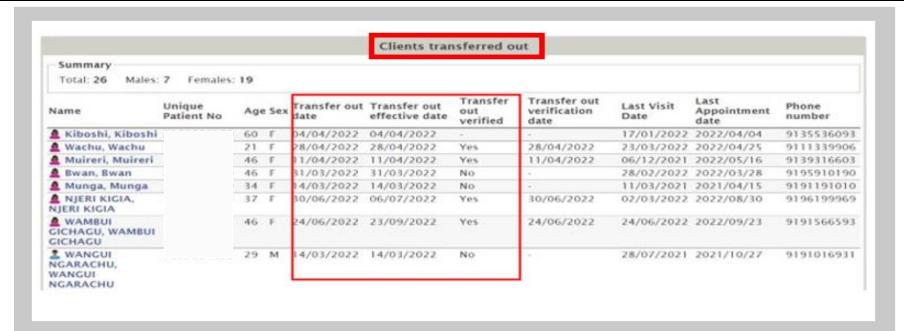






Accounting for all attritions: Transfer Ins and Outs

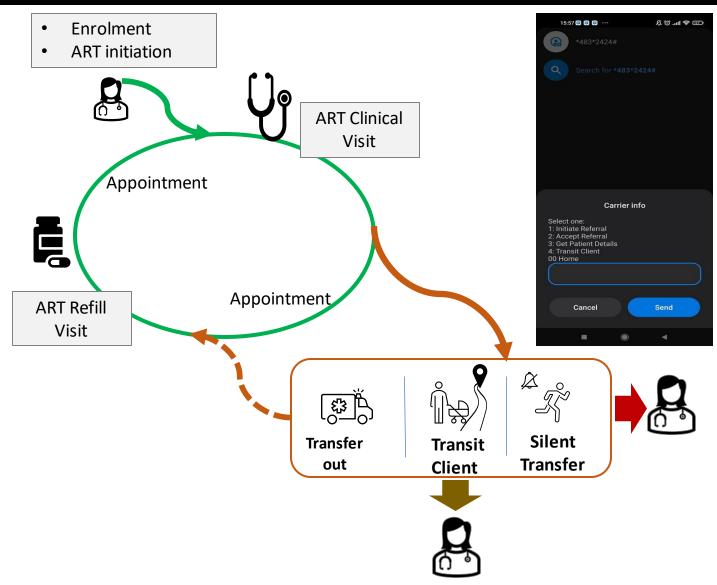
- Standard report and line list for transfer out and transfer in clients by period
 - Captures whether successful TO verification is achieved for continuity of care







Accounting for all attritions: Tracking patient movements via ART e-Directory



Enhancements to improve tracking of patient movement Across Facilities

Features

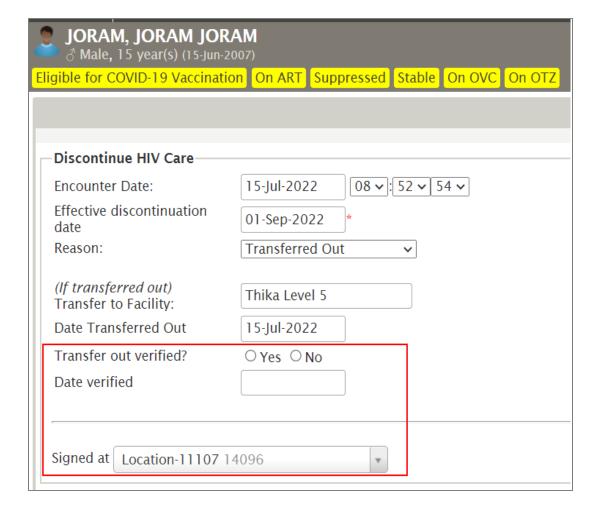
- Through ART directory providers can:
- Set and share their facility contact
- Search other facilities contacts to:
 - Notify them of a TO
 - Verify TO completion
 - Other reasons
- Enable facilities set their contact more easily
- An electronic referral process
 - Initiate and Accept transfer of patients
 - Feedback on Transfer Completion between facilities
 - Notify a patient home facility of Silent Transfers
 - Notify a patient's home facility of Transit patients



EMR feature that track growth of HIV treatment cohort

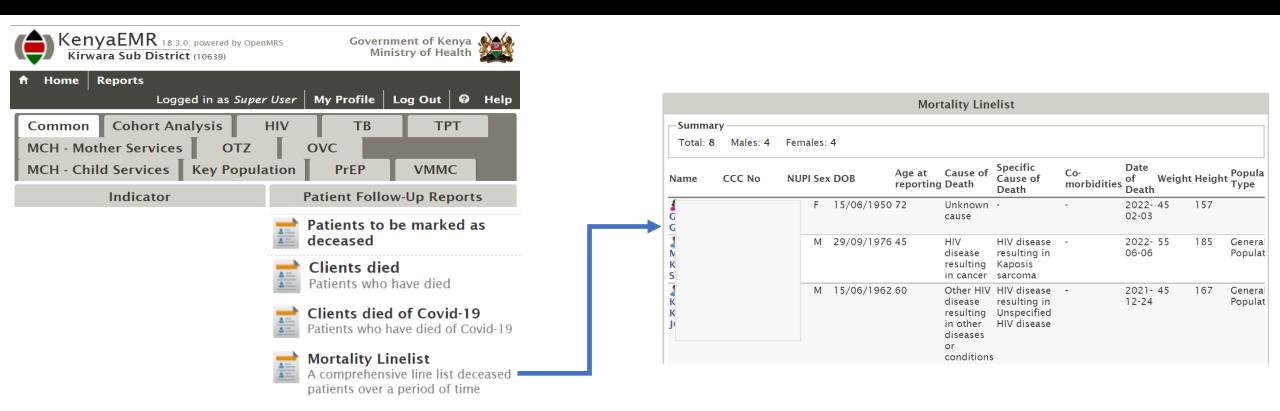
Tracking Transfers Out of HIV treatment cohort

- Studies have shown that cases of IIT often result from improperly managed patient transfers
- KenyaEMR supports users to record exits and verify transfers
 - Patients can be transferred Out
 - Completion of transfers can be documented through KenyaEMR's TO verification feature
 - Through ART Directory, providers will now better coordinate client movement through real time notifications





Accounting for all attritions: Deaths

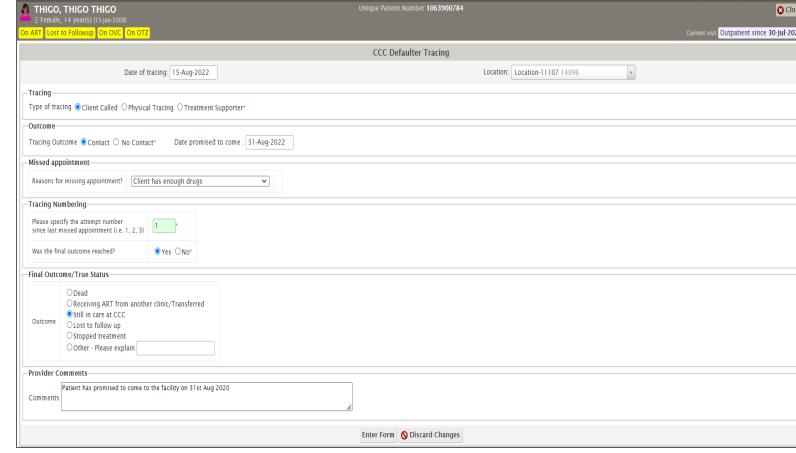


- 37 indicators are available in the Mortality report
- Report can be viewed or downloaded in CSV or Excel format

Name; CCC No; NUPI; DOB; Weight; Age at Reporting; Sex; Population Type; Date confirmed HIV Positive; Date enrolled in HIV; ART Start Date; Cause of death; Specific cause of death; Date of death; First Regimen; Current Regimen; Current Regimen Line; Last WHO Stage; Last WHO Stage Date; Last VL; Last VL Validity; Last VL Justification; Last VL Date; Active in PMTCT; Active in OVC; Active in OTZ; Active in TB; IPT Start Date; IPT Outcome; IPT Outcome Date; Stability; Differentiated Care Model; Last Visit Date; Self Visit Date; Next Appointment Date; Months of Prescription; Refill Date

Defaulter tracing using KenyaEMR

- In this case example, the patient is LTFU/ IIT
- Provider may access clients' record for tracing purposes
- KenyaEMR supports different approaches for defaulter tracing
 - Providers can conduct defaulter tracing in person or via phone
 - Supports multiple attempts and record outcomes of each attempt
 - Final Outcome of tracing efforts are recorded
 - The output of tracing efforts is availed on defaulter tracing register or missed appointment tracking report



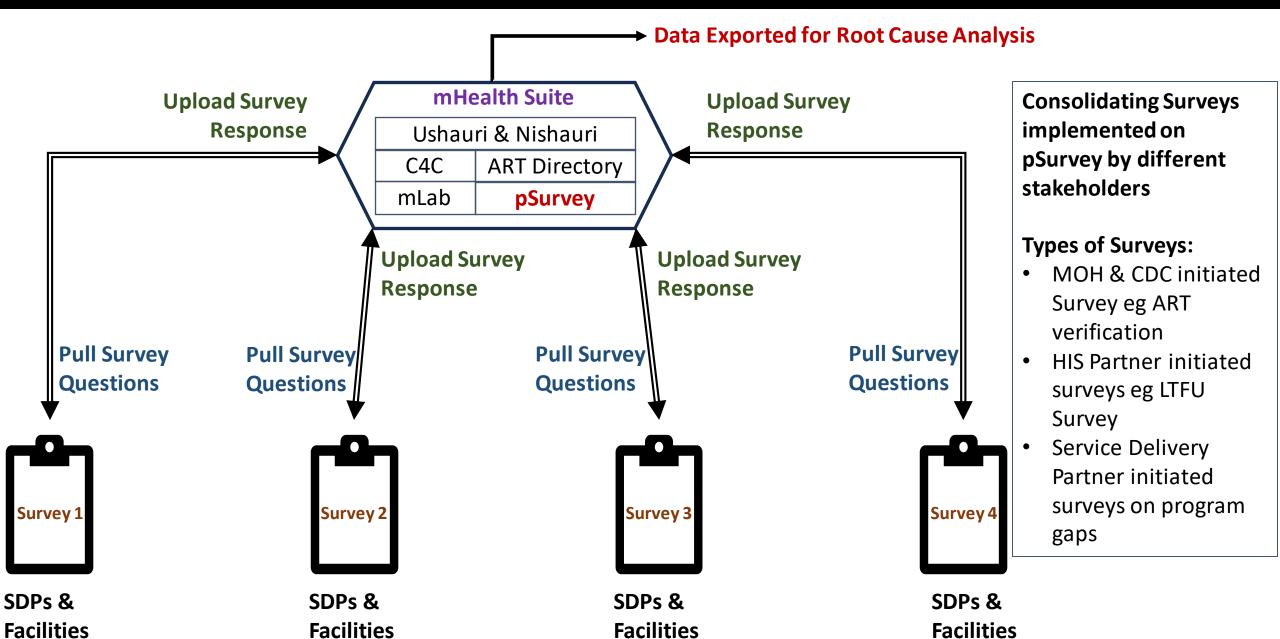


Missed Appointment Tracking Report

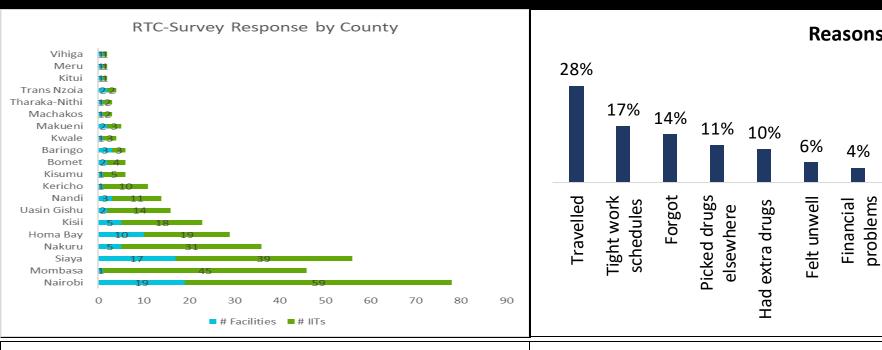
ne id	Date of Birt Ag	e Sex	Telephor Unique P Village_E	Date app Date App No	of day Tracing attempt	Tracing method	Last Tracing Date	Last Tracing outcom	Date patient promised to co	m Final outcome	Last Tracing comment	Patient status Effective Discontinuation Dat R	TC Date Ca	ase Manage
3	19 15/06/1984	39 F	9.1E+09 1.2E+09 kikoko tı	######## 31/08/20	0							Active		
6	13 15/06/1983	40 F	9.2E+09 1.3E+09 ndiani k	a ######## 31/08/20	0							Active		
7	22 15/06/1986	37 F	9.1E+09 1.2E+09 Kaluli Ka	######## 31/08/20	0							Active		
4	79 15/06/1961	62 F	9.1E+09 1.2E+09 ndiani N	15/03/20 31/08/20	0							Active		
40	007 15/06/1991	32 F	9.1E+09 1.2E+09 KINZE	####### 31/08/20	0							Active		
7	02 11/5/1995	28 F	9.2E+09 1.2E+09 KILUNGU	######## 31/08/20	0							Active		
1	.72 2/5/1988	35 F	9.1E+09 1.2E+09 mukaa k	i ####### 31/08/20	0							Active		
24	181 15/06/1966	57 F	9.2E+09 1.8E+09 kilungu	######## 31/08/20	0							Active		
24	62 15/06/1961	62 F	9.1E+09 1.2E+09 kilungu	######## 31/08/20	0							Active		
20	12 15/06/1980	43 F	9.1E+09 1.2E+09 ikalyoni	17/03/20 29/08/20	2							Active		
9	04 15/06/1968	55 F	9.1E+09 1.2E+09 maiani	16/03/20 29/08/20	2							Active		
26	548 15/06/1956	67 F	9.1E+09 1.8E+09 MUTAND	414/03/20 29/08/20	2							Active		
26	36 15/06/1953	70 M	9.1E+09 1.2E+09 Mutanda	14/03/20 29/08/20	2							Active		
1	.07 15/06/1959	64 F	9.1E+09 1.2E+09 musalala	14/03/20 29/08/20	2 1	Client Called	30/08/2023	Contact	30/08/2023	Still in care at CCC		Active		
6	34 15/06/1988	35 F	9.2E+09 1.2E+09 kithanga	t ####### 28/08/20	3							Active		
7	26 27/02/1989	34 F	9.1E+09 1.1E+09 Kalongo	19/07/20 25/08/20	6							Active		
1	.60 15/10/2004	18 F	1.2E+09 kathanga	######## 25/08/20	6							Active		
3	340 15/06/1972	51 F	9.1E+09 1.2E+09 maiani k	####### 25/08/20	6							Active		
3	340 15/06/1972	51 F	9.1E+09 1.2E+09 maiani k	16/06/20 25/08/20	6							Active		
42	2/2/1986	37 F	9.1E+09 1.3E+09 Kithia Ki	27/07/20 24/08/20	7							Active		
4	159 15/06/1975	48 F	9.1E+09 1.2E+09 kithanga	131/05/20 24/08/20	7							Active		
22	58 15/06/1988	35 F	9.2E+09 1.2E+09 kaluluma	24/07/20 23/08/20	8							Active		
9	665 15/06/1988	35 M	9.2E+09 1.2E+09 kajiando	24/07/20 23/08/20	8							Active		
	54 16/02/1992	31 M	9.1E+09 1.2E+09 Maiani I	27/07/20 23/08/20	8							Active		
3	352 15/02/1976	47 M	9.1E+09 1.2E+09 Ndumani	24/07/20 23/08/20	8							Active		

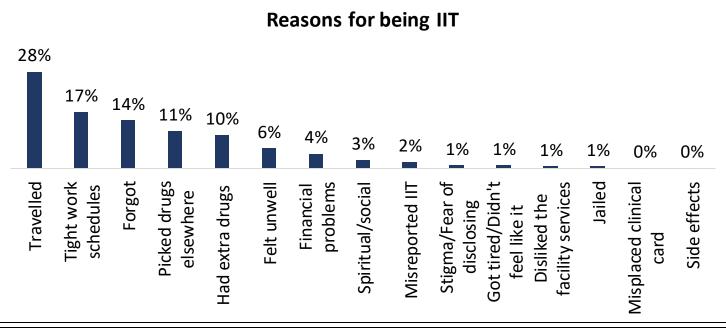
Patient Centred Surveys

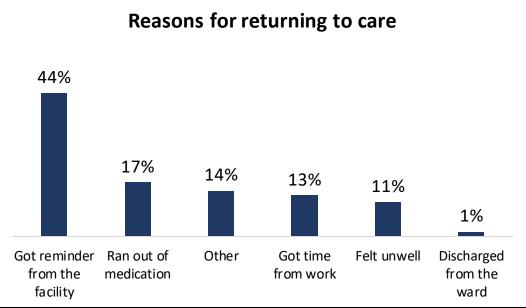
Patient Engagement: Undertaking Root Cause Analysis for improved program outcomes using pSurvey

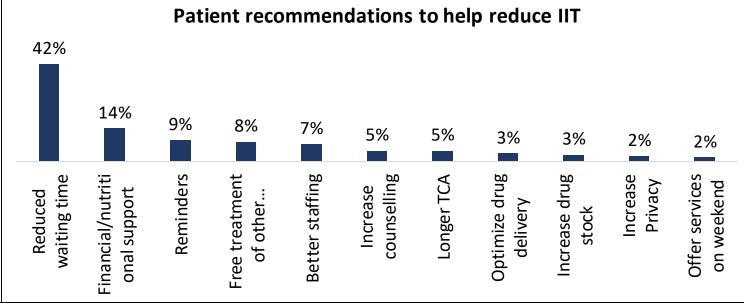


Use case: RTC pSurvey to understand patient perspectives of factors contributing to IIT (n=274)



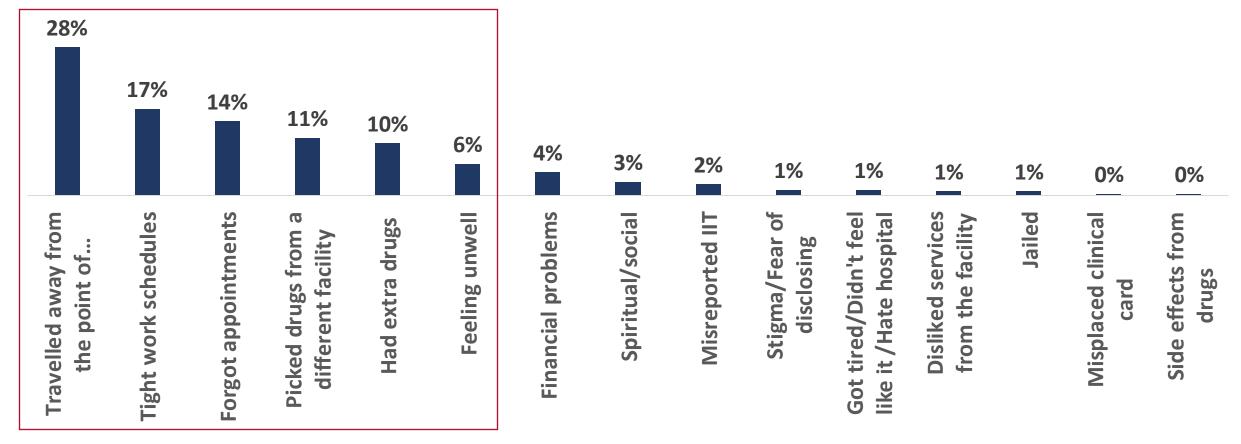






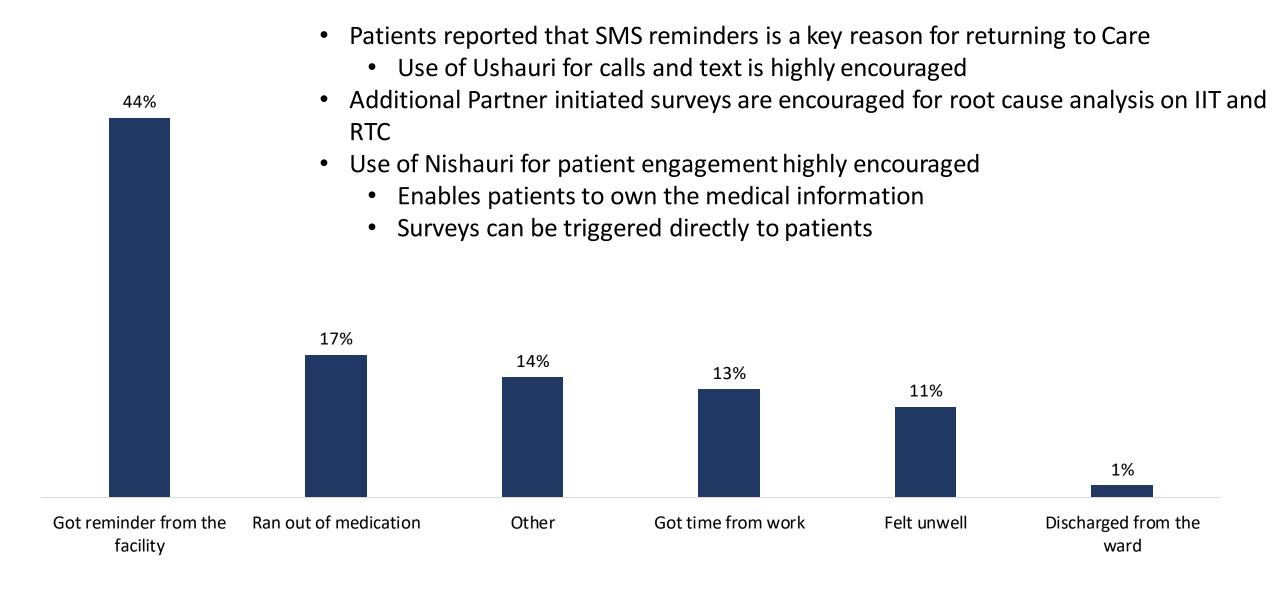
Factors contributing to IIT (N=274)

- Adopt Ushauri SMS reminders for the 14% of patients who forgot appointment
- Use of ART referral feature for **11%** of the patients that picked drugs at different facility
- Adopt Nishauri and Ushauri for **28%, 17%, 10% and 6%** of the patients who travelled, had tight working schedules, had extra drugs and feeling to either reschedule appointments, advise the patients or support with community distribution of ART drugs



*One patient can have more than one reason for becoming IIT

Reasons for returning to care(N=274)



HIS Uptake

Product	# C&T Sites	# Active Sites
EMR	3004	2082
Ushauri	3004	1520
ART Directory	3004	101
Psurvey	3004	2503
Nishauri	3004	90

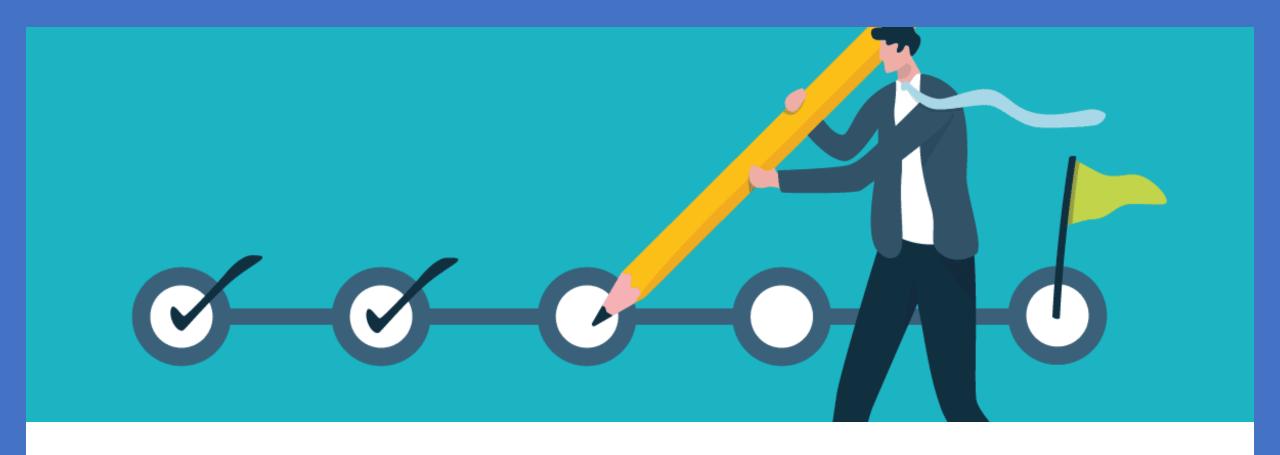
Implementation successes & Challenges

Successes

- Paperless tracking of clients
- Improved patient care management through CDS
- Improved appointment management through.
 - Appointment reminders
 - Alerts
 - Reporting

Challenges

- Slow uptake of some solutions
- Cost of SMS and USSD
- Growing program needs which requires constant updating of HIS solutions
- Internet accessibility



Supporting Continuity of Treatment through Individual Level Data

Accounting for Every Client



Analysis of Missed Appointments

The analysis aims to determine whether clients attended their appointments on time or missed them.

Analytic Approach (1/3)

This is achieved through a data merge between the visits and pharmacy tables of entries dating January 2019 onwards.

Records with the furthest next appointment date are retained in cases where a visit and pickup occurred on the same day.

The analysis is conducted 2 months retrospectively and focuses on appointments within the last 6 months (i.e, with August 2023 data, appointments that are assessed are between January 2023 and June 2023).

Analytic Approach (2/3)

Based on the difference between the next appointment date and the actual date of visit, clients are then classified as:

- Came before,
- On time,
- IIT then RTT,
- Still IIT, or
- Lost in the HMIS system

Analytic Approach (3/3)

Clients who were lost in the HMIS system are identified using a data set that contains the date when each facility last uploaded data to the National Data Warehouse.

In the case that a client's appointment has elapsed by more than 30 days and their respective facility is yet to upload data to determine if they came back or not, this client is considered as lost in HMIS.

Computation logic - 30 days have elapsed since the expected appointment, but the facility has not uploaded data to determine the true status of the patient.

Clients who had stopped treatment, transferred out, or died are categorized separately.

Information is then aggregated by county, partner, facility, age, gender, DSD status, and pregnant/breastfeeding status.

Analytic Approach Examples

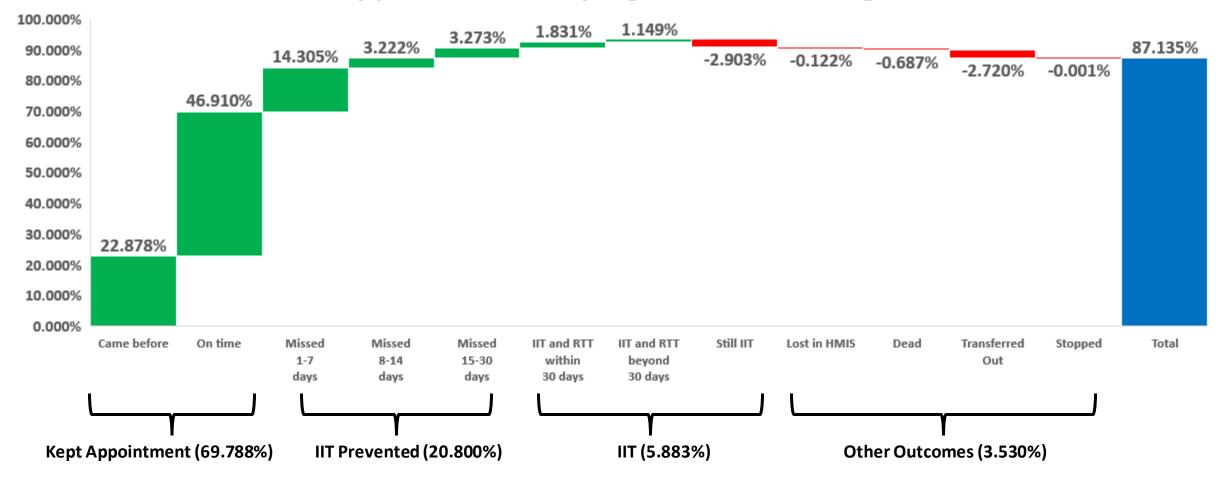
Client No.	Facility Name	Previous Status (July 2023)	Next appointment	Facility upload date	Documented Outcome in EMR	Current Status (Aug 2023)
1.	X	IIT	17/04/2022	01/08/2022	-	IIT
2.	Υ	IIT	17/04/2022	01/04/2022	-	Lost in HMIS
3.	Z	IIT	17/04/2022	01/08/2022	Dead	Dead

Notes:

- Client 1: The facility has uploaded data in August, but the details show that the client has not visited the facility and therefore remains IIT.
- Client 2: The facility has not uploaded data to NDW since April, therefore we are unable to accurately determine the status of this client whose appointment was in April when computing their status in August. This client is classified as "Lost" in HMIS instead of IIT.
- Client 3: The facility has uploaded data in August and the details show that the client has been documented as dead and therefore, the outcome is updated as Dead.

Results as of August 2023 - Overall

Overall Appointment Keeping Trends as of August 2023



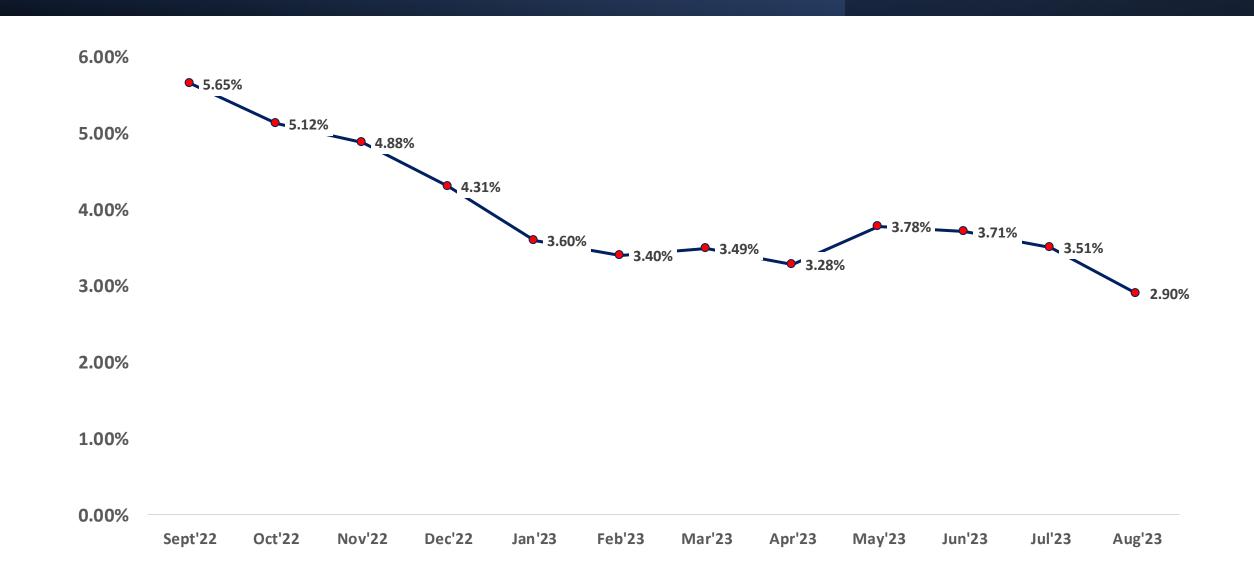
Results as of August 2023 – By County (1/2)

Partner Name	Total		Kept Appointment		nted						
rartici ivanic	Appointments	(Came Before o	or On Time)	(Came Withir	30 Days)	RT	T	Still I	IT	Lost in	HMIS
		N	%	N	%	N	%	N	%	N	%
Baringo	5,904	3,198	54%	1,619	27%	432	7%	236	4%	214	4%
Bomet	10,174	5,484	54%	2,722	27%	1,055	10%	621	6%	-	-
Bungoma	24,996	17,138	69%	5,068	20%	1,023	4%	854	3%	-	-
Busia	33,471	24,983	75%	5,713	17%	929	3%	762	2%	-	-
Elgeyo Marakwet	3,938	2,024	51%	1,295	33%	261	7%	184	5%	-	-
Embu	10,911	7,759	71%	2,129	20%	387	4%	294	3%	-	-
Homa Bay	129,044	90,494	70%	29,157	23%	3,261	3%	2,488	2%	35	0%
Kajiado	17,806	10,209	57%	5,123	29%	1,084	6%	570	3%	-	-
Kakamega	36,554	25,937	71%	7,538	21%	716	2%	1,073	3%	31	0%
Kericho	15,350	8,952	58%	4,033	26%	1,007	7%	803	5%	-	-
Kiambu	45,423	30,322	67%	10,656	23%	1,427	3%	1,352	3%	13	0%
Kilifi	28,169	20,331	72%	4,841	17%	766	3%	1,352	5%	-	-
Kirinyaga	11,428	7,847	69%	2,588	23%	158	1%	408	4%	83	1%
Kisii	28,273	22,257	79%	3,605	13%	719	3%	800	3%	-	-
Kisumu	111,223	76,374	69%	23,444	21%	2,575	2%	5,158	5%	249	0%
Kitui	21,612	15,990	74%	3,634	17%	526	2%	635	3%	-	-
Kwale	12,860	8,198	64%	3,383	26%	485	4%	287	2%	-	-
Laikipia	9,825	6,687	68%	2,158	22%	370	4%	179	2%	16	0%
Machakos	31,096	24,810	80%	4,141	13%	492	2%	689	2%	-	-
Makueni	23,407	18,502	79%	3,415	15%	384	2%	386	2%	-	-
Meru	21,137	14,256	67%	4,660	22%	775	4%	833	4%	12	0%

Results as of August 2023 – By County (2/2)

Partner Name	Total Appointments	Kept Appoi (Came Before o		IIT Preve (Came Withir		RTT		Still I	ıT	Lost in	LIMIC
	7.660	N	%	N	%	N	%	N	%	N N	%
Migori	72,092	56,444	78%	9,732	13%	1,501	2%	2,642	4%	25	0%
Mombasa	50,032	31,855	64%	13,267	27%	2,103	4%	808	2%	-	-
Murang'a	18,045	12,962	72%	3,698	20%	391	2%	328	2%	-	-
Nairobi	168,036	114,196	68%	38,139	23%	5,122	3%	4,103	2%	85	0%
Nakuru	46,473	31,350	67%	9,772	21%	1,917	4%	1,391	3%	121	0%
Nandi	13,182	7,594	58%	3,622	27%	981	7%	532	4%	1	0%
Narok	11,279	6,054	54%	3,564	32%	733	6%	481	4%	-	-
Nyamira	12,807	9,054	71%	1,891	15%	255	2%	708	6%	608	5%
Nyandarua	10,217	7,187	70%	2,056	20%	372	4%	245	2%	-	-
Nyeri	19,636	14,197	72%	3,807	19%	535	3%	386	2%	-	-
Samburu	1,959	1,007	51%	683	35%	114	6%	61	3%	-	-
Siaya	104,593	81,204	78%	17,153	16%	756	1%	2,175	2%	26	0%
Taita Taveta	6,770	4,280	63%	1,728	26%	277	4%	147	2%	-	-
Tharaka-Nithi	7,493	4,845	65%	1,975	26%	295	4%	186	2%	-	-
Trans Nzoia	19,393	12,035	62%	4,931	25%	762	4%	501	3%	-	-
Turkana	9,097	4,445	49%	2,835	31%	811	9%	557	6%	19	0%
Uasin Gishu	35,020	25,538	73%	6,523	19%	771	2%	871	2%	-	-
Vihiga	16,047	10,979	68%	3,946	25%	362	2%	271	2%	-	-
West Pokot	3,907	1,428	37%	1,547	40%	628	16%	177	5%	-	-
Grand Total	1,258,679	878,406	70%	261,791	21%	37,518	3%	36,534	3%	1,538	0%

IIT Trend Analysis



Recommendations

Goal	Action
Accurately track Continuity of Treatment (CoT)	Support facilities to ensure that all patient visits and outcomes are updated in EMR for every patient; Ensure upload of data to NDW
Eliminate lost in HMIS in NDW	Ensure timely upload of data to the NDW
Alignment of CoT metrics from disparate data sources	Alignment analysis – EMR/DATIM/NDW/3PM; Standardization of indicator definitions – lost in HMIS
Data availability to support data driven decision making	Self-service portal; CoT/Hifadhi dashboard to be developed in the NDW

WORKING TOGETHER TOWARDS REDUCING OUR IIT BELOW 1% ACROSS ALL POPULATIONS

Thank you