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Presentation overview

- **Databases for monitoring viral load:**
 - **National Health Laboratory Service (NHLS) / National Institute for Communicable Diseases (NICD)**
 - Results for Action (RfA) Dashboard
 - **TIER.Net**
 - ‘Appointment list’ report
 - ‘VL overdue’ list
 - ‘2 consecutive unsuppressed VL results’ list
 - ‘VL cascade’ report
- **CDC VL Mop-up Standard Operating Procedure**

STEP 1: Register on the Self Service Portal (SSP)

- Go to www.nicd.ac.za and click on "M&E Dashboards" -> select "Guest Login" -> click on "Self Service Registration"



- Select "NEW USER REGISTRATION" and complete the registration form

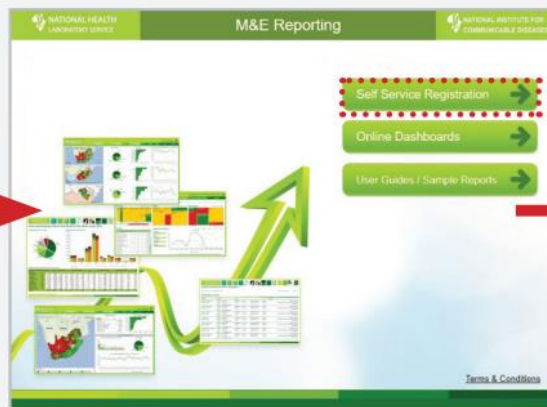
Surveillance

User name

Password

Login

Guest Login
Reset Password



Seven RfA reports are available.

Report Category	Report Type	Report Code	Report Name	Description
HIV M&E Adults	All Ages VL	RPT00001W PRT00001D	HIV VL RfA Report (all ages)	HIV VL results >50 cpml authorised by NHLS laboratories since the previous report, with a history tab of previous consecutive VL >1000 cpml linked to patients on the current tab. A column for Maternal Electronic Gate Keeping Groups and a table for HIV VL rejections are also included.
HIV M&E Adults	CrAg	RPT00002	CrAg RfA Report	Results for patients with CD4 <100 <u>and</u> a positive CrAg result, and CD4 <100 with no CrAg test performed that were authorised by NHLS laboratories in the past 7 days.
HIV M&E Adults	HIV ELISA	RPT00003W RPT00003D	HIV ELISA RfA Report (all ages)	HIV ELISA results, listed alphabetically by patient surname.
HIV M&E Adults	All Ages VL	RPT00004W	TLD Transition HIV VL RfA Report (>=10yrs)	HIV VL results <1000 cpml authorised by NHLS laboratories since the previous report, with a previous history tab for VL results linked to patients with a VL between 50–1000 cpml on the current tab.
HIV M&E Paediatrics	HIV PCR	RPT01002W RPT01002D	HIV PCR RfA Report	HIV PCR results authorised by NHLS laboratories since the previous report.
HIV M&E Paediatrics	HIV VL&CD4	RPT01003W RPT01003D	HIV VL&CD4 RfA Report (<19yrs)	Quantifiable HIV VL results authorised by laboratories since the previous report, with a history tab of previous consecutive VL >1000 cpml linked to patients on the current tab; CD4 results reported for 0-<5 year olds: %CD4 <15% and for 5-<19 year olds: CD4 ≤500.
HIV M&E Paediatrics	HIV ELISA	RPT01009W RPT01009D	HIV ELISA RfA Report (<19yrs)	HIV ELISA results authorised by NHLS laboratories since the previous report, with a previous history tab for all HIV results (ELISA, PCR, VL) linked to patients on the current ELISA tab.

Add Reports by Facility

Report Category: HIV M&E ADUL...
 Report Type: All Ages VL
 Report Name: RPT00001D - Daily HIV...
 Province: Mpumalanga
 District: Ehlanzeni

Report Name	Province	District	Facility	Select
RPT00001D - Daily HIV VL RfA Report (All Ages) (Excel)	MP	Ehlanzeni	A1 FISHERIES	<input type="checkbox"/>
			ACORNHOEK YOUTH CENTRE	<input type="checkbox"/>
			ACTS CLINIC	<input type="checkbox"/>
			ACTS COMMUNITY CLINIC	<input type="checkbox"/>
			AGINCOURT CHC	<input checked="" type="checkbox"/>
			AGINCOURT MOBILE 3	<input type="checkbox"/>
			ALBERTSNEK CLINIC	<input type="checkbox"/>
			ANTIRETROVIRAL PROGRAM (MPUMALANGA)	<input type="checkbox"/>
			ANTIRETROVIRAL PROGRAM (MPUMALANGA)	<input type="checkbox"/>
			AREA MILITARY HEALTH UNIT [MPUMALANGA]	<input type="checkbox"/>
			ARTHUR SEAT CLINIC	<input type="checkbox"/>
			ARTHURSTONE CLINIC	<input type="checkbox"/>
			BARBERTON CLINIC	<input type="checkbox"/>
			BARBERTON GATEWAY CLINIC	<input type="checkbox"/>

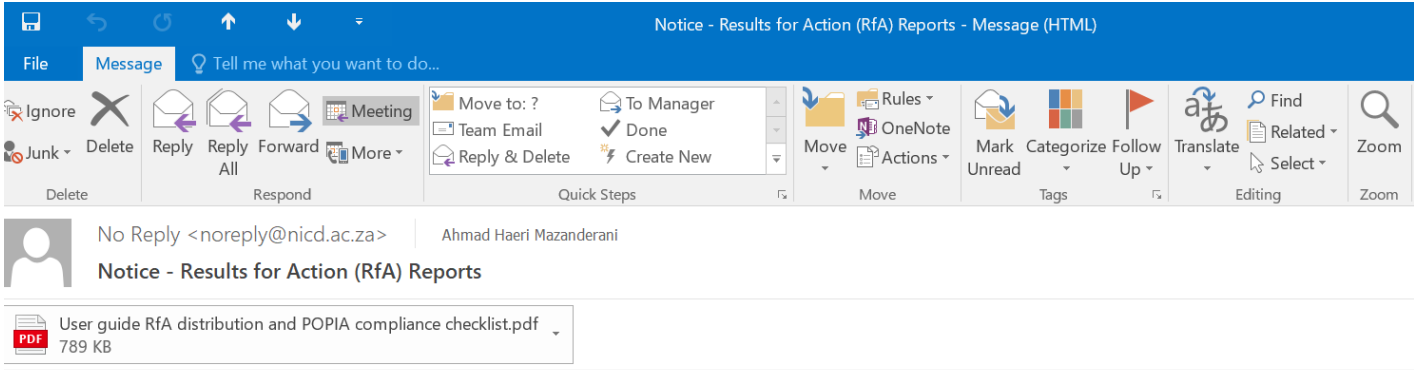
Submit

- 1) Select 'HIV M&E ADULTS (all ages)' report category
- 2) Select 'All Ages VL' under Report Type
- 3) Select report name (D/daily or W/weekly)
- 4) Select the province/s in which you would like to receive the reports
- 5) Select the district/s in which you would like to receive the report
- 6) Select the facilities for which you would like to receive the report
 - Click on 'Submit'.
 - **Please note: for each facility you select, you will receive a separate daily/weekly e-mail.**

HIV RfA reports

- Accessing RfAs via the RfA portal
- Example of an HIV VL RfA report

Access daily/weekly HIV VL Results for Action for facilities/districts via NICD RfA Portal (www.nicd.ac.za)



Remember to access your daily and weekly Results for Action (RfA) reports.

Please use the attached User Guide to access your RfA reports from the NICD website

(www.nicd.ac.za >> scroll to the Quick Links at the bottom of the page >> M&E Dashboard >> Login with your username and password >> RfA portal)

RfA Distribution Reports

Current Ad hoc Report

Current RfA Reports
RPT00001W - Weekly HIV VL RfA Report (All Ages) (Excel) - [District CITY OF JOHANNESBURG METRO]
RPT00001W - Weekly HIV VL RfA Report (All Ages) (Excel) - [District CITY OF TSHWANE METRO]
RPT00001W - Weekly HIV VL RfA Report (All Ages) (Excel) - [District WATERBERG]
RPT00004W - TLD Transition HIV VL RfA Report (>=10 Years) - [District CITY OF JOHANNESBURG METRO]
RPT00004W - TLD Transition HIV VL RfA Report (>=10 Years) - [District CITY OF TSHWANE METRO]
RPT01002W - Weekly HIV PCR RfA Report (Excel) - [District CITY OF JOHANNESBURG METRO]
RPT01002W - Weekly HIV PCR RfA Report (Excel) - [District CITY OF TSHWANE METRO]
RPT01003W - Weekly HIV VL & CD4 RfA Report (<19 yrs) (Excel) - [District CITY OF TSHWANE METRO]
RPT01009W - Weekly HIV ELISA RfA Report (<19 yrs) (Excel) - [District CITY OF JOHANNESBURG METRO]
RPT01009W - Weekly HIV ELISA RfA Report (<19 yrs) (Excel) - [District CITY OF TSHWANE METRO]

Download

POPIA Checklist

1. Accessing the reports

- Do not share your password with anyone.
- Access only the reports that you require.

2. Storing the reports on a computer, laptop, tablet, etc.

- All devices on which the report is stored are protected with a unique password.
- Downloaded and saved reports should also be protected with a unique password.
- All paper copies of the report must be kept in a secure and locked location (e.g. locked drawer in a desk in a locked room).

3. Use of the reports

- Use only the personal information contained in the reports for tracking and treating individuals.
- Communicate any inaccuracies in the personal information to the NICD (HIV@nicd.ac.za).

4. Sharing the reports

- Share the reports only with healthcare workers who require the information to track and treat individuals.

POPIA Checklist

6. Possible breaches

- Notify the NICD within 72 hours if you suspect that your password has been obtained by another person.
- Notify the NICD within 72 hours if there has been unauthorised access to the report.
- Notify the NICD within 72 hours if your copy of the report has been stolen.

Further information on POPIA compliance can be found in the POPIA video below:

https://mstrweb.nicd.ac.za/MicroStrategy/Images/Video/RFAD/Training/RfA_RfAD_Training_Video.mp4

For any questions or concerns related to the use of the RfA Reports or RfAD, contact the NICD on HIV@nicd.ac.za

PRACTICAL SESSION: RFA REPORT

Electronic Gate-keeping (RGK) codes serve three functions:

1

Prevent sample rejection

2

Allow individual patients to be traced using the NHLS RfA reports

3

Monitor VL suppression rates at a programme level

Facility Guide



EGK authorisation codes for HIV Viral Load testing in pregnant and breastfeeding women

Two special EGK approval codes must be provided with **EVERY** HIV VL requested during pregnancy and breastfeeding.

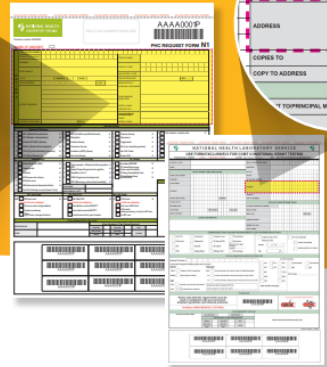
- The electronic gatekeeping (eGK) codes will:
- prevent HIV VL tests from being cancelled by gatekeeping
 - facilitate HIV VL monitoring of the pregnant and breastfeeding women

Pregnancy-related EGK approval codes	
C#PMTCT	To be used during pregnancy and breastfeeding
C#DELIVERY	To be used during labour
Please spell the eGK codes correctly	

FACILITY NAME	
FACILITY CODE	
eGK APPROV. CODE	C#PMTCT
COLLECTION DATE	
REQUESTED BY: CLINICIAN / HCW NAME	
MAN/HCW	

PERSON'S NAME	
EL. NO.	
FAX NO.	
HPCSA/SANC NUMBER	C#PMTCT
ADDRESS	
COPIES TO	
COPY TO ADDRESS	
APPLIES TO PRIVATE PAT	
TOPINCIPAL MEMBER	

NHLS Requisition Form
Fill in the eGK code in 'eGK approval code' if present on the form **or**, on forms where this is not provided, clearly state in an available space such as below the 'HPCSA/SANC number' as indicated



Request monthly Operation Phuthuma provincial reports via e-mail (HIV@nicd.ac.za)

NATIONAL INSTITUTE FOR COMMUNICABLE DISEASES Division of the National Health Laboratory Service														
Month	Province	District	Age Range	Number of Tests	Monthly					Number of Tests LY	Number of Tests (<1000 cpml) LY	% Tests (<1000 cpml) LY	Number of Tests (<50 cpml) LY	% Tests (<50 cpml) LY
					Number of Tests (<1000 cpml)	% Tests (<1000 cpml)	Number of Tests (<50 cpml)	% Tests (<50 cpml)	Number of Tests (<1000 cpml) LY					
202208	KwaZulu-Natal	All Districts	0-4 yrs	619	409	66,1%	237	38,3%	656	411	62,7%	300	45,7%	
			5-9 yrs	1 158	858	74,1%	579	50,0%	1 355	1 028	75,9%	744	54,9%	
			10-14 yrs	2 396	1 774	74,0%	1 251	52,2%	2 584	1 916	74,1%	1 395	54,0%	
			15-19 yrs	4 409	3 221	73,1%	2 380	54,0%	4 389	3 249	74,0%	2 451	55,8%	
			20-24 yrs	8 843	7 400	83,7%	6 037	68,3%	9 369	7 908	84,4%	6 794	72,5%	
			<15 yrs	4 173	3 041	72,9%	2 067	49,5%	4 595	3 355	73,0%	2 439	53,1%	
		>=15 yrs	161 506	147 785	91,5%	122 163	75,6%	155 495	142 834	91,9%	126 176	81,1%		
		Amajuba	0-4 yrs	28	18	64,3%	7	25,0%	36	23	63,9%	14	38,9%	
			5-9 yrs	60	53	88,3%	28	46,7%	42	34	81,0%	26	61,9%	
			10-14 yrs	82	64	78,0%	49	59,8%	100	90	90,0%	67	67,0%	
			15-19 yrs	174	134	77,0%	106	60,9%	223	171	76,7%	131	58,7%	
			20-24 yrs	361	297	82,3%	264	73,1%	385	321	83,4%	283	73,5%	
			<15 yrs	170	135	79,4%	84	49,4%	178	147	82,6%	107	60,1%	
		>=15 yrs	7 126	6 590	92,5%	6 166	86,5%	7 229	6 896	92,6%	6 158	85,2%		
		eThekweni Metro	0-4 yrs	182	114	62,6%	63	34,6%	181	111	61,3%	81	44,8%	
			5-9 yrs	298	219	73,5%	136	45,6%	348	268	77,0%	209	60,1%	
			10-14 yrs	657	502	76,4%	334	50,8%	660	494	74,8%	381	57,7%	
			15-19 yrs	1 240	905	73,0%	610	49,2%	1 125	824	73,2%	649	57,7%	
			20-24 yrs	2 639	2 195	83,2%	1 689	63,2%	2 850	2 388	83,8%	2 105	73,9%	
			<15 yrs	1 137	835	73,4%	533	46,9%	1 189	873	73,4%	671	56,4%	
		>=15 yrs	51 025	46 243	90,6%	34 792	68,2%	47 976	43 839	91,4%	40 034	83,4%		
		Harry Gwala	0-4 yrs	39	24	61,5%	10	25,6%	31	15	48,4%	10	32,3%	
			5-9 yrs	65	45	69,2%	40	61,5%	80	61	76,3%	46	57,5%	
			10-14 yrs	119	82	68,9%	68	57,1%	139	102	73,4%	73	52,5%	
			15-19 yrs	207	144	69,6%	118	57,0%	200	148	74,0%	113	56,5%	
			20-24 yrs	377	311	82,5%	274	72,7%	446	374	83,9%	331	74,2%	
			<15 yrs	223	151	67,7%	118	52,9%	250	178	71,2%	129	51,6%	
		>=15 yrs	6 819	6 302	92,4%	5 672	83,2%	7 075	6 483	91,6%	5 753	81,3%		
		iLembe	0-4 yrs	37	22	59,5%	14	37,8%	35	18	51,4%	15	42,9%	
			5-9 yrs	70	44	62,9%	28	40,0%	78	51	65,4%	31	39,7%	
			10-14 yrs	169	117	69,2%	74	43,8%	185	127	68,6%	78	42,2%	
			15-19 yrs	258	174	67,4%	137	53,1%	263	175	66,5%	126	47,9%	
			20-24 yrs	471	383	81,3%	319	67,7%	549	447	81,4%	366	66,7%	
			<15 yrs	276	183	66,3%	116	42,0%	298	196	65,8%	124	41,6%	
		>=15 yrs	8 684	7 827	90,1%	6 670	76,8%	8 626	7 739	89,7%	6 568	76,1%		
		King Cetshwayo	0-4 yrs	40	31	77,5%	21	52,5%	45	34	75,6%	27	60,0%	
			5-9 yrs	104	82	78,8%	65	62,5%	133	105	78,9%	74	55,6%	
			10-14 yrs	198	150	75,8%	103	52,0%	193	143	74,1%	102	52,8%	

Request monthly Operation Phuthuma provincial reports via e-mail (HIV@nicd.ac.za)

NATIONAL INSTITUTE FOR COMMUNICABLE DISEASES Division of the National Health Laboratory Service												
Province	District	Month	Jul 2022				Jun 2022					
		Maternity EGK Group	Total VL Tests	Number of Tests (<1000 cpml)	VL Suppression Rate (<1000 cpml)	Number of Tests (<50 cpml)	VL Suppression Rate (<50 cpml)	Total VL Tests	Number of Tests (<1000 cpml)	VL Suppression Rate (<1000 cpml)	Number of Tests (<50 cpml)	VL Suppression Rate (<50 cpml)
National (All)	National (All)	Antenatal	8 871	7 711	86,9%	6 107	68,8%	8 221	7 186	87,4%	5 828	70,9%
		Delivery	5 378	4 722	87,8%	3 939	73,2%	5 338	4 676	87,6%	3 904	73,1%
		Postnatal	14	14	100,0%	12	85,7%	35	30	85,7%	17	48,6%
		Other	14	13	92,9%	5	35,7%	12	12	100,0%	11	91,7%
		TOTAL	14 277	12 460	87,3%	10 063	70,5%	13 606	11 904	87,5%	9 760	71,7%
KwaZulu-Natal	All Districts	Antenatal	1 965	1 809	92,1%	1 518	77,3%	2 041	1 839	90,1%	1 516	74,3%
		Delivery	1 066	975	91,5%	844	79,2%	1 064	973	91,4%	803	75,5%
		Postnatal	6	6	100,0%	5	83,3%	35	30	85,7%	17	48,6%
		TOTAL	3 037	2 790	91,9%	2 367	77,9%	3 140	2 842	90,5%	2 336	74,4%
	Amajuba	Antenatal	62	53	85,5%	41	66,1%	62	51	82,3%	42	67,7%
		Delivery	158	144	91,1%	115	72,8%	98	86	87,8%	67	68,4%
		Postnatal	2	2	100,0%	1	50,0%	28	24	85,7%	13	46,4%
		TOTAL	222	199	89,6%	157	70,7%	188	161	85,6%	122	64,9%
	eThekwin Metro	Antenatal	389	362	93,1%	288	74,0%	398	352	88,4%	269	67,6%
		Delivery	119	105	88,2%	84	70,6%	152	139	91,4%	116	76,3%
		TOTAL	508	467	91,9%	372	73,2%	550	491	89,3%	385	70,0%
	Harry Gwala	Antenatal	144	135	93,8%	124	86,1%	150	140	93,3%	108	72,0%
		Delivery	18	17	94,4%	14	77,8%	22	20	90,9%	13	59,1%
		Postnatal	1	1	100,0%	1	100,0%	0	0	0,0%	0	0,0%
	iLembe	TOTAL	163	153	93,9%	139	85,3%	172	160	93,0%	121	70,3%
Antenatal		24	23	95,8%	18	75,0%	24	22	91,7%	18	75,0%	
Delivery		19	17	89,5%	16	84,2%	18	17	94,4%	15	83,3%	
King Cetshwayo	TOTAL	43	40	93,0%	34	79,1%	42	39	92,9%	33	78,6%	
	Antenatal	92	80	87,0%	70	76,1%	197	177	89,8%	154	78,2%	
	Delivery	192	176	91,7%	160	83,3%	155	139	89,7%	127	81,9%	
TOTAL	284	256	90,1%	230	81,0%	352	316	89,8%	281	79,8%		

In summary

- RfA reports constitute a powerful tool that enables us to **act early** on elevated VL and positive PCR results on an **individual** patient basis.
- They are most effective when used within efficient facility results management and tracking and tracing processes.
- All precautions must be taken to safeguard patient identifiers and sensitive patient information (POPI Act).
- A number of management level reports can help us to:
 - determine our VL suppression rates by age group and geographic area (adults, children, pregnant and breastfeeding women)
 - determine our coverage for EGK code use in the PMTCT programme by facility
 - determine our PCR testing coverage and positivity rates, including MDOs

TIER.NET

Three Interlinked Electronic Registers

1st tier: Paper-
based

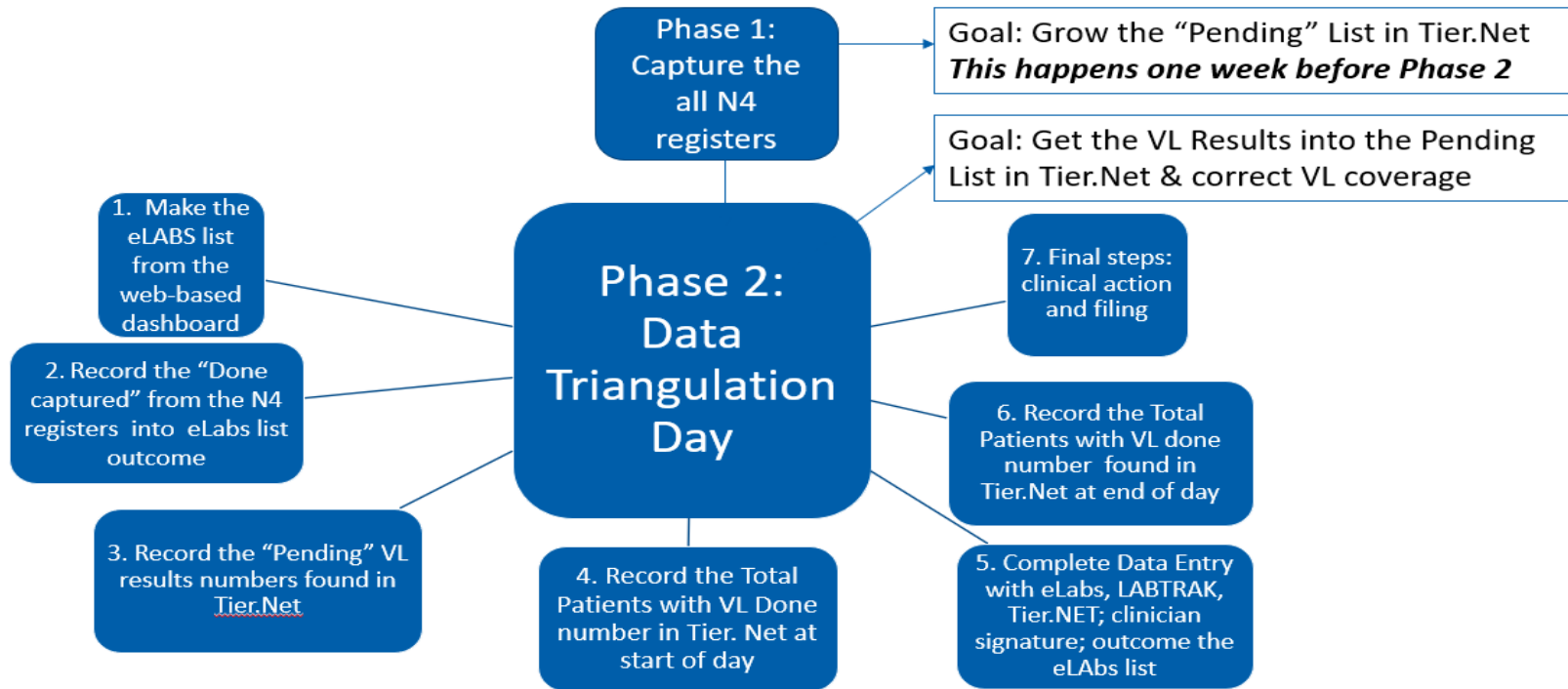
2nd tier: Electronic
version of the
paper register

3rd tier: Full electronic
medical record
software

TIER PRACTICAL SESSION

CDC VL Mop-up Standard Operating Procedure

Exercise Flow



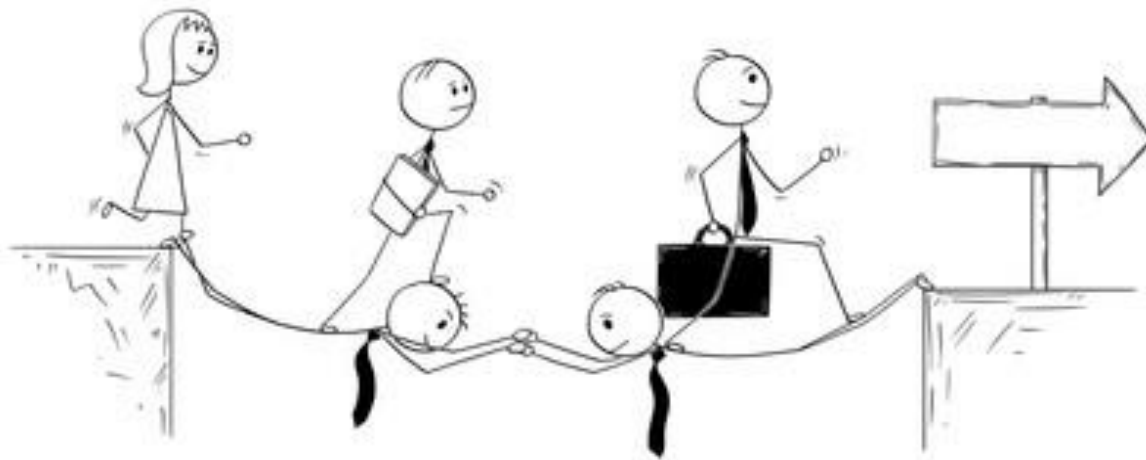
Monthly Monitoring Tool: VL Mop Up

District name:									
	Phase	Indicator	Jul-22	Aug-22	Sep-22	Oct-22	Nov-22	Dec-22	Jan-23
kz Municipality	Phase 1	Total Viral load done on TIER.Net	9 824	10 274	9 584	9 997	9 852	8 286	9 968
kz Municipality	Phase 1	Barcode Existing WITH result captured	9 536	9 997	9 322	9 719	9 493	7 997	9 799
kz Municipality	Phase 1	Result Existing WITHOUT Barcode existing	43	89	57	31	46	58	47
kz Municipality	Phase 2	Pending / Awaiting results captured	174	171	200	364	124	168	243
kz Municipality	Phase 2	Pending / Awaiting VL result misclassified	14	6	2	7	18	22	14
kz Municipality	Phase 2	Results not found	95	79	66	34	42	124	62

Whose problem is it?



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**HIV FREE
GENERATION**

Acknowledgements

Provincial Team:

- Mr Andile Ngcobo – KZN Strategic Information Director

HST Team

- Ms Joslyn Walker – HST HSS Programme Manager

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Thank you