The CQUIN Learning Network

Patients at High Risk:
Experience, Guidelines, and Best Practices in Malawi

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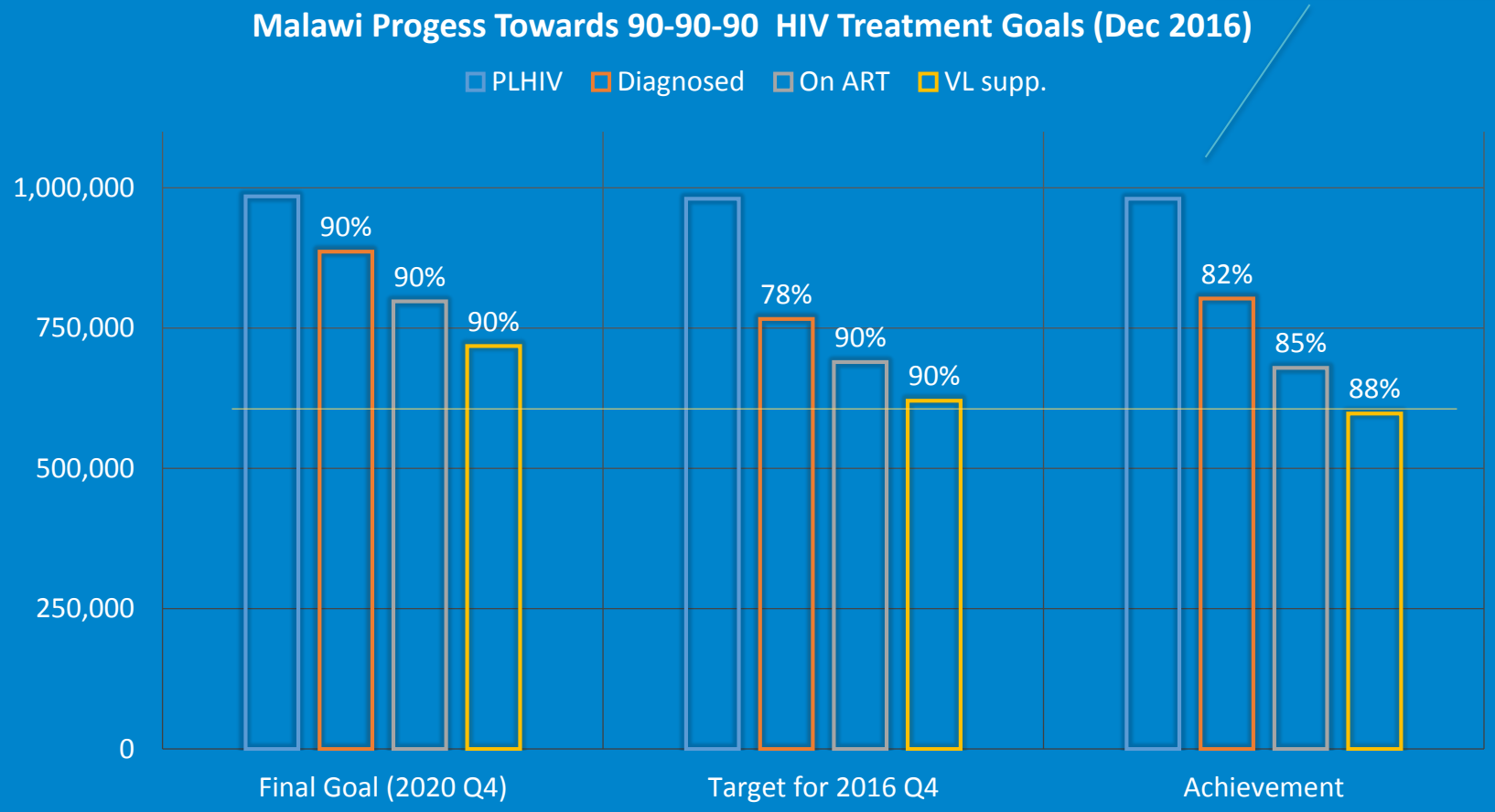
HIV LEARNING NETWORK
The CQUIN Project for Differentiated Care

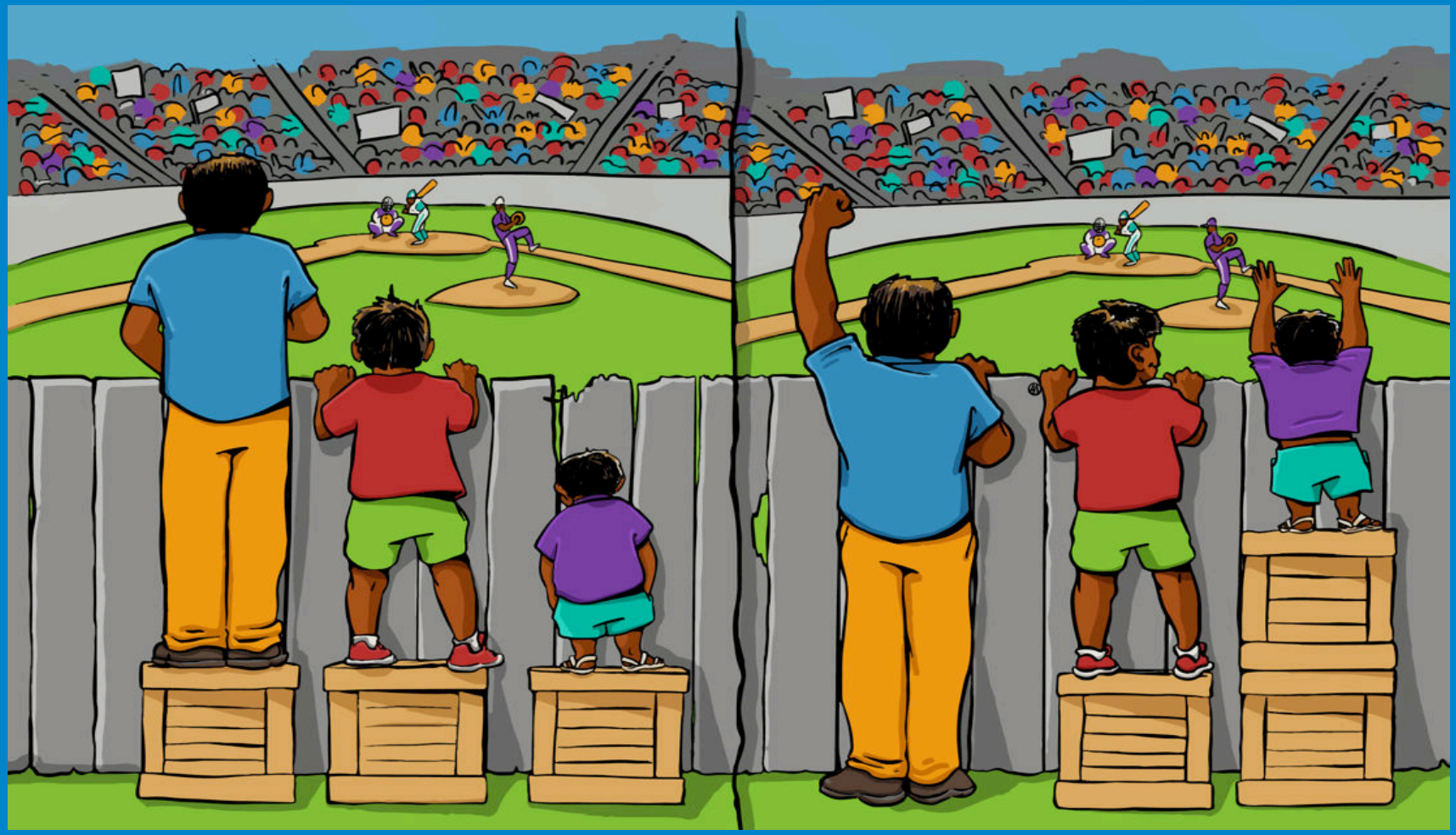
ICAP
GLOBAL. HEALTH. ACTION.
Columbia University
Mailman School of Public Health

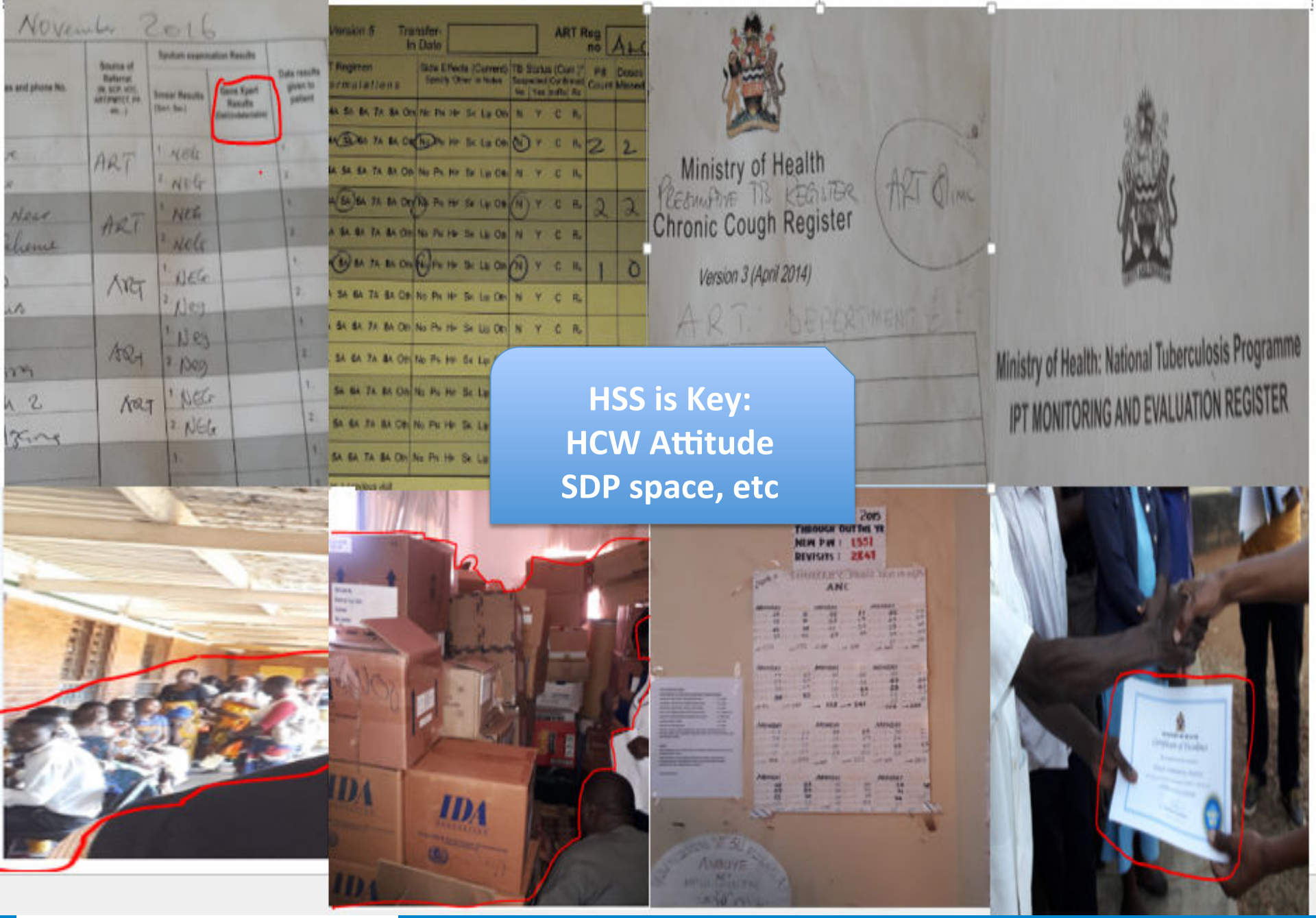
Are we there yet?

MPHIA
+ new diagnoses (service data)
- est. HIV deaths (Spectrum)

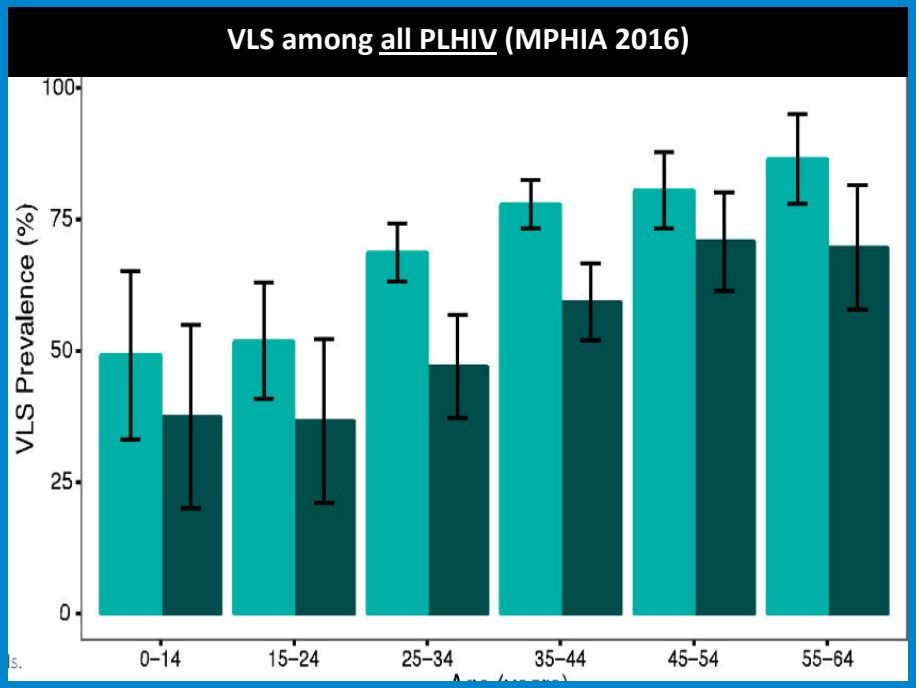


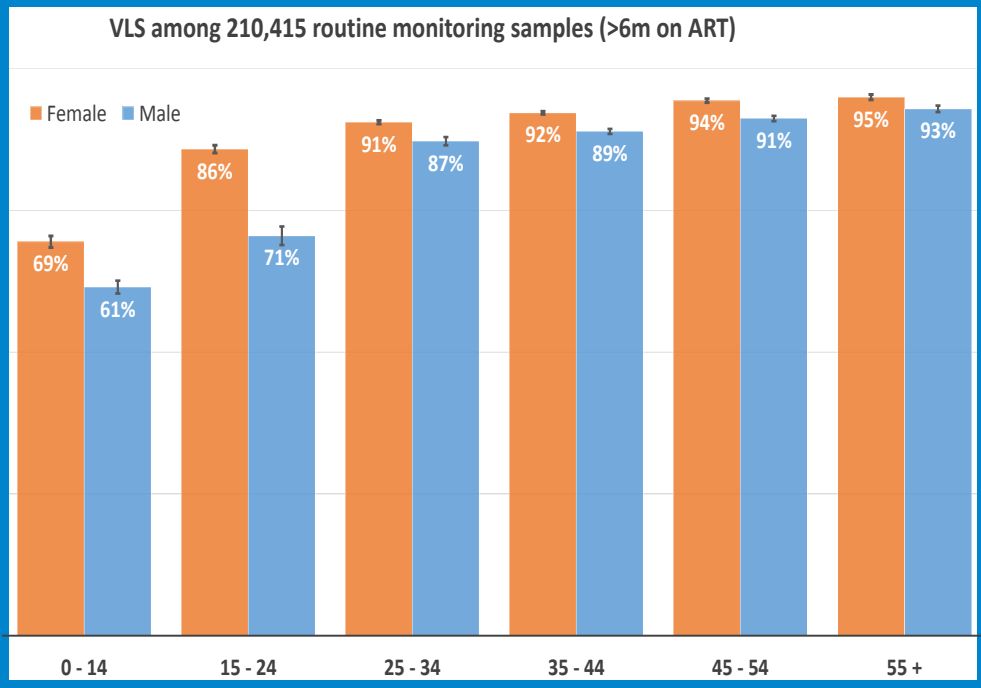
"It's not about everybody getting the same thing, It's about everybody getting what they need in order to improve the quality of their situation." C. Parker




Ministry of Health
Chronic Cough Register
Version 3 (April 2014)
Ministry of Health: National Tuberculosis Programme
IPT MONITORING AND EVALUATION REGISTER
HSS is Key:
HCW Attitude
SDP space, etc

Viral Load Suppression





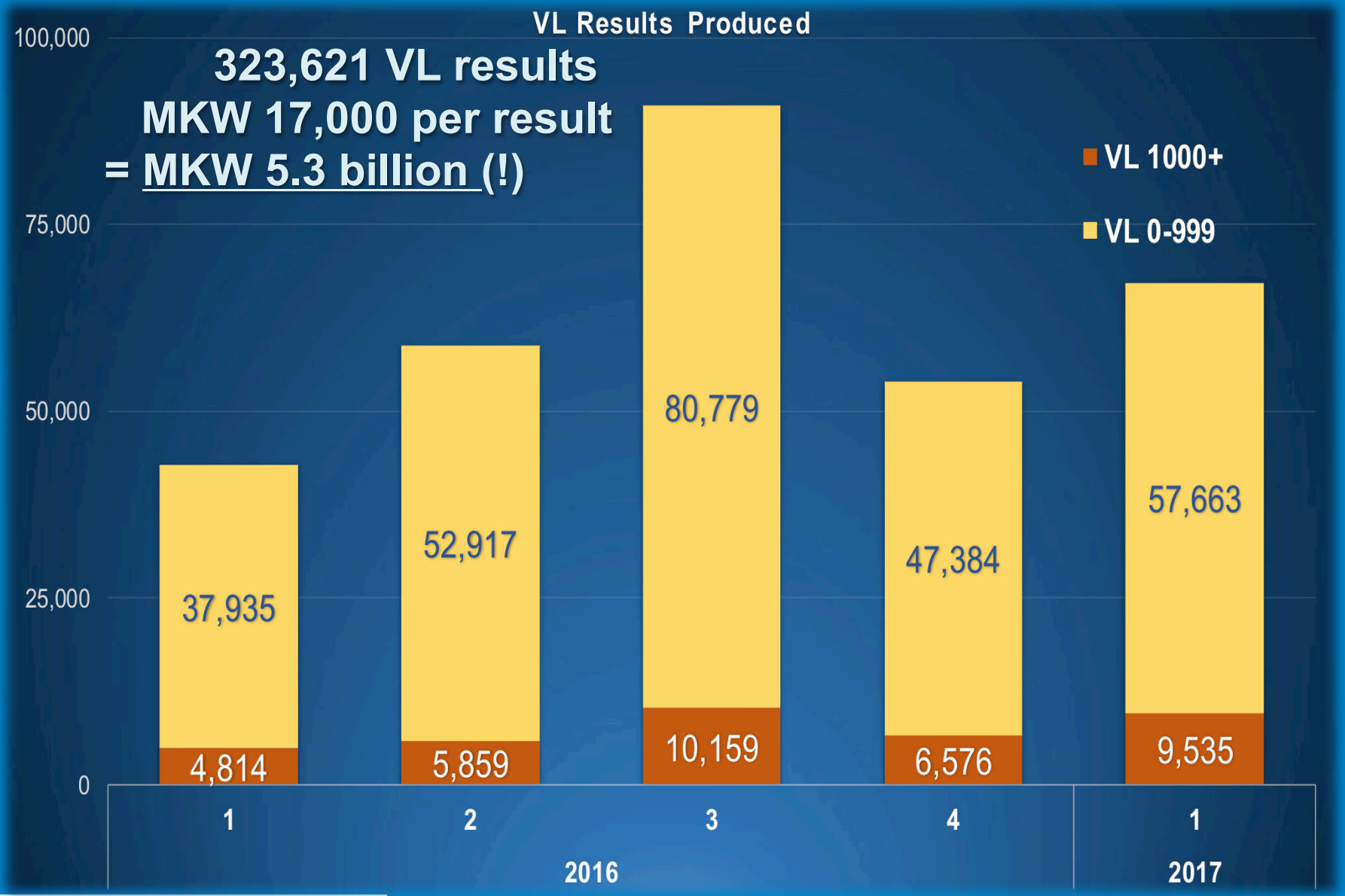
MPHIA: Nov 2015 – Aug 2016

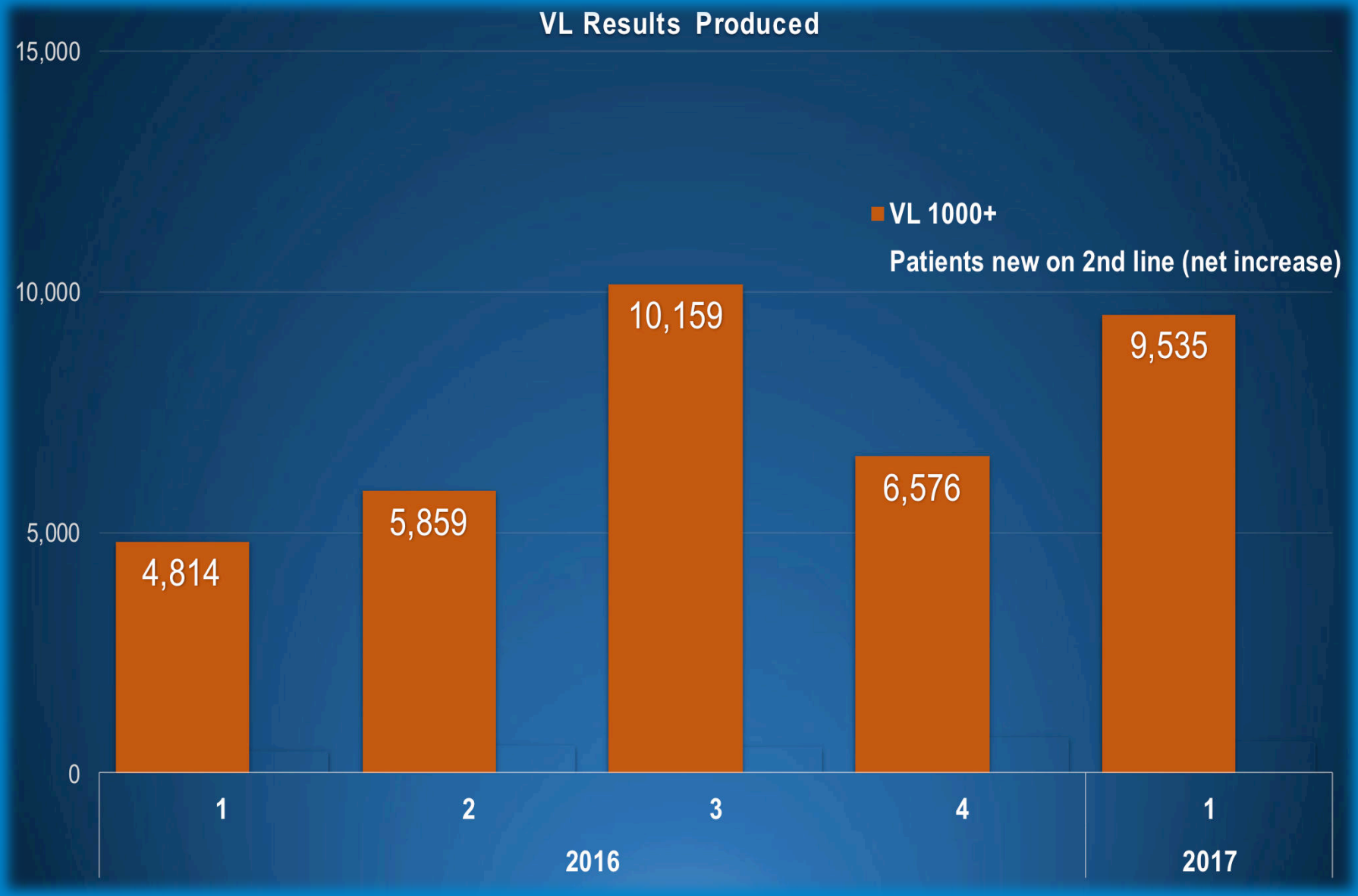
- 73% diagnosed
- 89% on ART (before Test & Treat!)
- 91% VLS

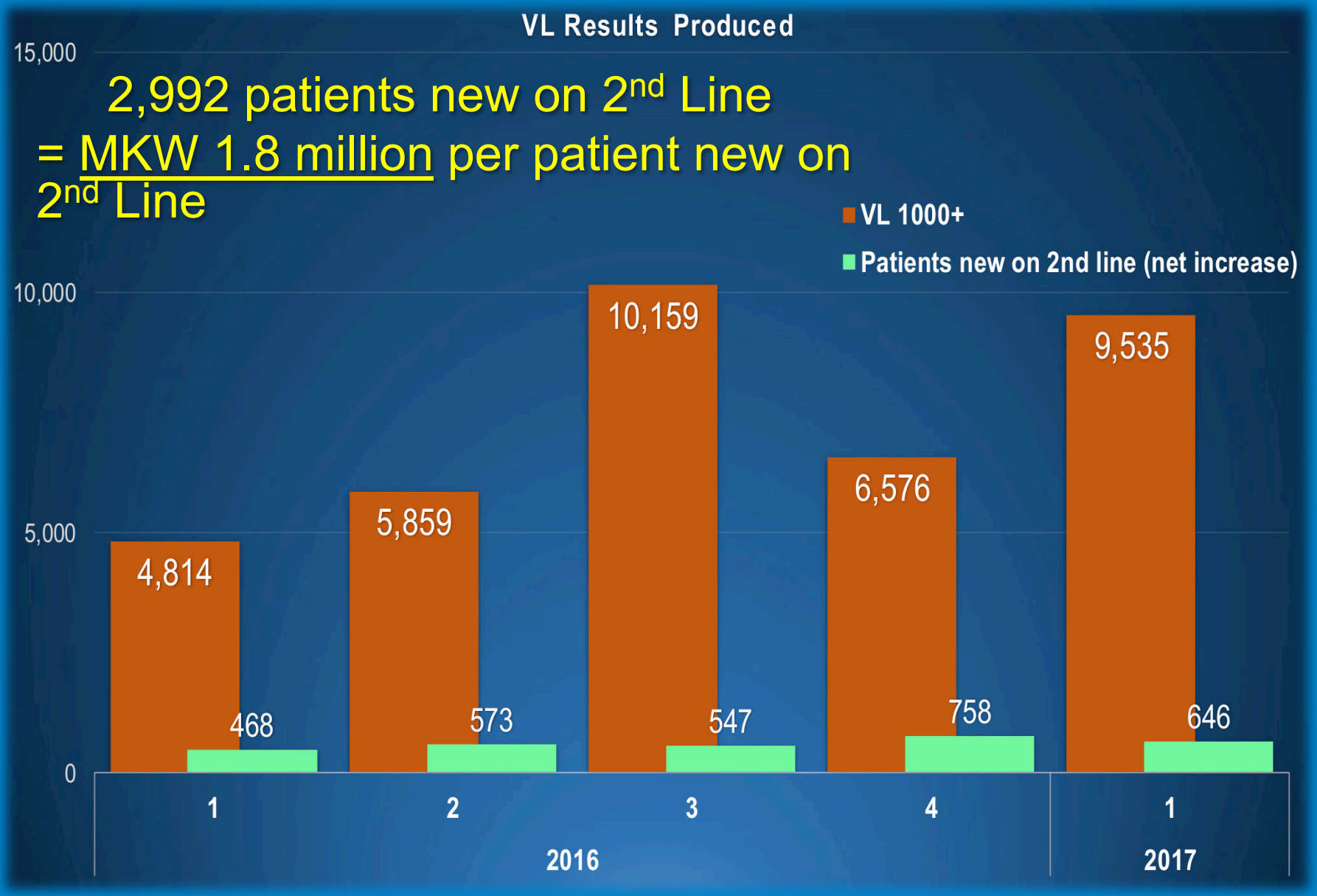
Program data: Dec 2016

- 82% diagnosed (estimate)
- 85% on ART (after Test & Treat!)
- 88% VLS

Scope of the Problem




VL Results Produced
15,000
10,000
5,000
0
VL 1000+
Patients new on 2nd line (net increase)
4,814
5,859
10,159
6,576
9,535
1
2
3
4
1
2016
2017

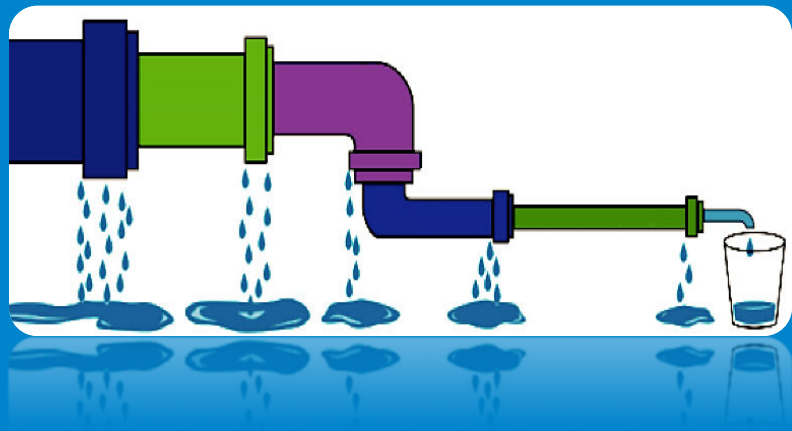

VL Results Produced
15,000
10,000
5,000
0
2,992 patients new on 2nd Line
= MKW 1.8 million per patient new on 2nd Line
VL 1000+
Patients new on 2nd line (net increase)
4,814
468
5,859
573
10,159
547
6,576
758
9,535
646
1
2
3
4
1
2016
2017

Treatment Guidelines

- Maintain Public Health Approach
- 2nd line certification for selected clinicians
- Referral of 2nd line failures to 3rd line committee (selected Central hospitals)
- Liaison of health centres and DHOs with DHA for remote guidance

Best Practices / Lessons Learned
Making VL more cost-effective?

- Confirm good current adherence before testing
- Ensure targeted and follow-up VL are done
- Use results for patient management
  1. Update VL sample log + High VL register
  2. Update ART patient card
  3. Inform patients with high VL asap
  4. Intensive adherence support
  5. Switch to 2nd Line if failure confirmed



HMIS 28a

Ministry of Health

HIV Viral Load Sample Log

Version 1 (October 2016)

Register No	
District	
Site Name / Location	
Date Register Started	
Date Register Closed	

Enter on the Same Day

- Every sample collected
- Every result received

After 3 Months: all outstanding results

- Declare and circle as 'missing'
- Collect new sample

➔ **Fill Page Summary after 3 months**

HMIS 28b

Ministry of Health

High HIV Viral Load Register

Version 1 (October 2016)

Register No	
District	
Site Name / Location	
Date Register Started	
Date Register Closed	

Enter on the Same Day

- Initial HIGH results received
- Intensive adherence sessions
- Follow-up sample collected
- Follow-up result
- Initial + final decision

➔**It may take 4 months+ until final decision is reached**

➔**No Page Summary in this register**

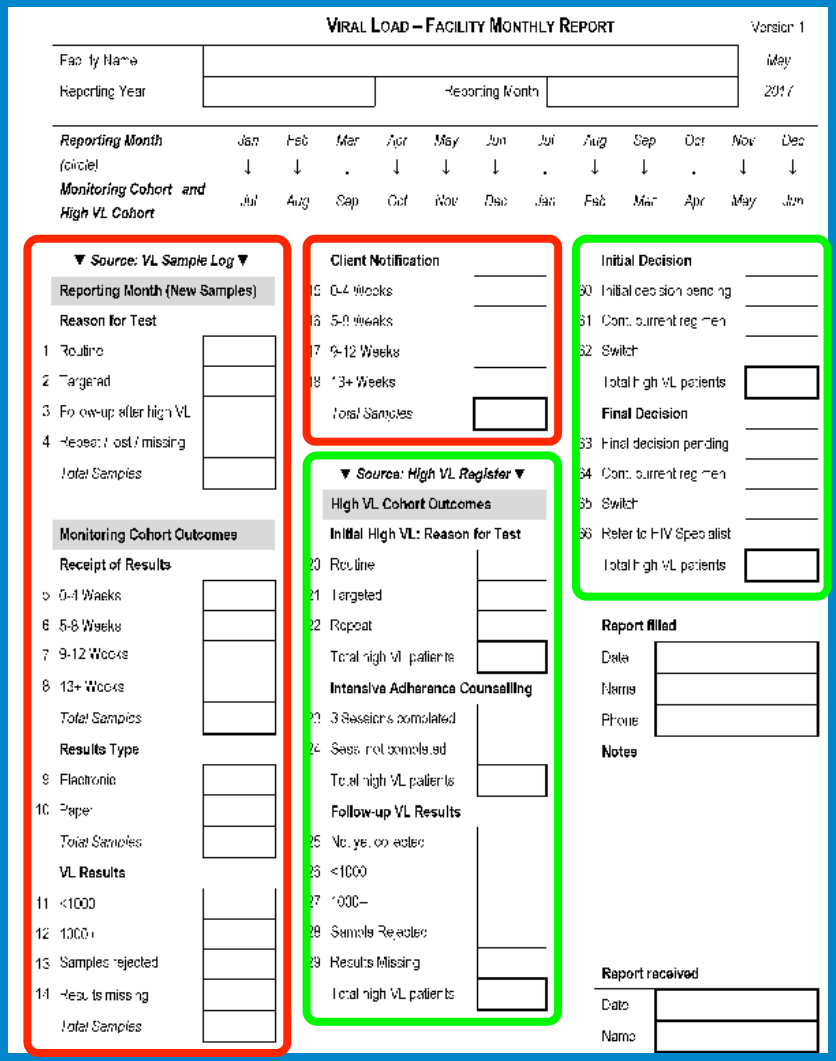
VIRAL LOAD – FACILITY MONTHLY REPORT Version 1

Facility Name			*May*
Reporting Year		Reporting Month	*2017*

Reporting Month	*Jan*	*Feb*	*Mar*	*Apr*	*May*	*Jun*	*Jul*	*Aug*	*Sep*	*Oct*	*Nov*	*Dec*
(circle)	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓
Monitoring Cohort and High VL Cohort	*Jul*	*Aug*	*Sep*	*Oct*	*Nov*	*Dec*	*Jan*	*Feb*	*Mar*	*Apr*	*May*	*Jun*

Cohorts for monthly reporting

1. **Reporting Month** New samples collected
2. **Monitoring Cohort** Results for samples collected **6 months** ago
3. **High VL Cohort** Outcome for initial high VL results from **6m ago**



VIRAL LOAD – FACILITY MONTHLY REPORT

Version 1

Facility Name

Reporting Year

Reporting Month

May 2017

Reporting Month (circle)	Jan ↓	Feb ↓	Mar .	Apr ↓	May ↓	Jun ↓	Jul .	Aug ↓	Sep ↓	Oct .	Nov ↓	Dec ↓
Monitoring Cohort and High VL Cohort	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun

▼ Source: VL Sample Log ▼

Reporting Month (New Samples)

Reason for Test

1 Routine
2 Targeted
3 Follow-up after high VL
4 Repeat / lost / missing
Total Samples

Monitoring Cohort Outcomes

Receipt of Results

5 0-4 Weeks
6 5-8 Weeks
7 9-12 Weeks
8 13+ Weeks
Total Samples

Results Type

9 Electronic
10 Paper
Total Samples

VL Results

11 <1000
12 1000+
13 Samples rejected
14 Results missing
Total Samples

Client Notification

15 0-4 Weeks
16 5-8 Weeks
17 9-12 Weeks
18 13+ Weeks
Total Samples

▼ Source: High VL Register ▼

High VL Cohort Outcomes

Initial High VL: Reason for Test

20 Routine
21 Targeted
22 Repeat
Total high VL patients

Intensive Adherance Counselling

23 3 Sessions completed
24 Sessions not completed
Total high VL patients

Follow-up VL Results

25 No results entered
26 <1000
27 1000+
28 Sample Rejected
29 Results Missing
Total high VL patients

Initial Decision

60 Initial decision pending
61 Concurrent regimen
62 Switch
Total high VL patients

Final Decision

63 Final decision pending
64 Concurrent regimen
65 Switch
66 Refer to HIV Specialist
Total high VL patients

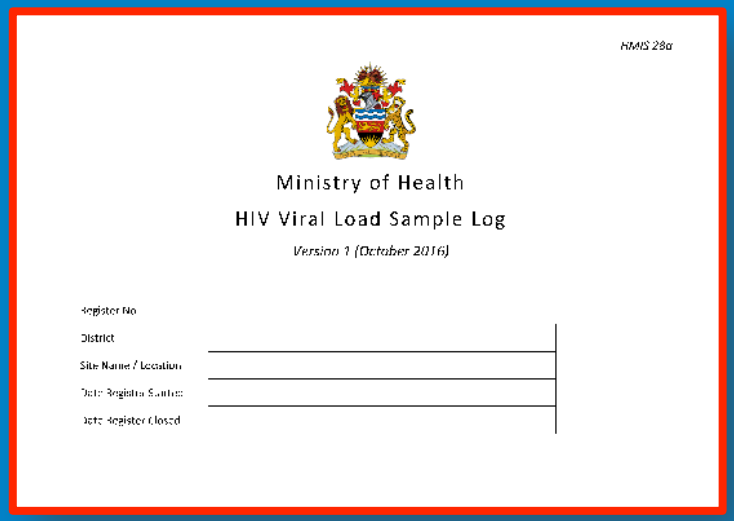
Report filled

Date
Name
Phone

Notes

Report received

Date
Name



HMIS 28a

Ministry of Health

HIV Viral Load Sample Log

Version 1 (October 2016)

Register No
District
Site Name / Location
Date Register Started
Date Register Closed

HMIS 28b

Ministry of Health

High HIV Viral Load Register

Version 1 (October 2016)

Register No
District
Site Name / Location
Date Register Started
Date Register Closed

▼ *Source: High VL Register* ▼

High VL Cohort Outcomes

Initial High VL: Reason for Test

20	Routine	
21	Targeted	
22	Repeat	
	Total high VL patients	

Intensive Adherence Counselling

23	3 Sessions completed	
24	Sess. not completed	
	Total high VL patients	

Follow-up VL Results

25	Not yet collected	
26	<1000	
27	1000+	
28	Sample Rejected	
29	Results Missing	
	Total high VL patients	

Classify: 3 Dates entered?

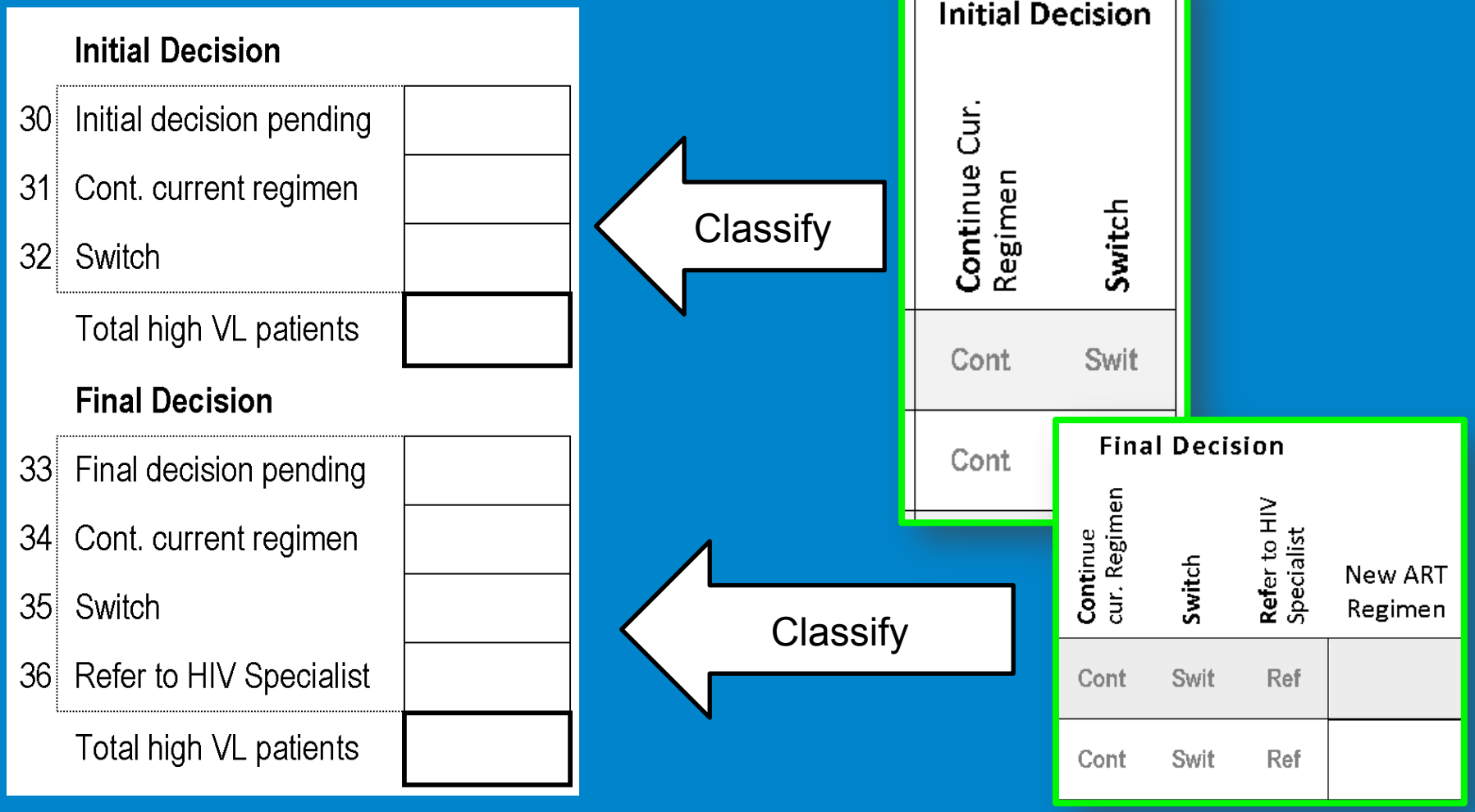
Intensive Adherence Counselling

Date 1	*Date 2*	*Date 3*

Classify

Follow-up VL Details

Collection Date	Sample Log Number	Result	Date Result given to Client


Initial Decision
30 Initial decision pending
31 Cont. current regimen
32 Switch
Total high VL patients
Final Decision
33 Final decision pending
34 Cont. current regimen
35 Switch
36 Refer to HIV Specialist
Total high VL patients
Classify
Classify
Initial Decision
Continue Cur. Regimen
Switch
Cont
Swit
Cont
Final Decision
Continue cur. Regimen
Switch
Refer to HIV Specialist
New ART Regimen
Cont
Swit
Ref
Cont
Swit
Ref

Questions?