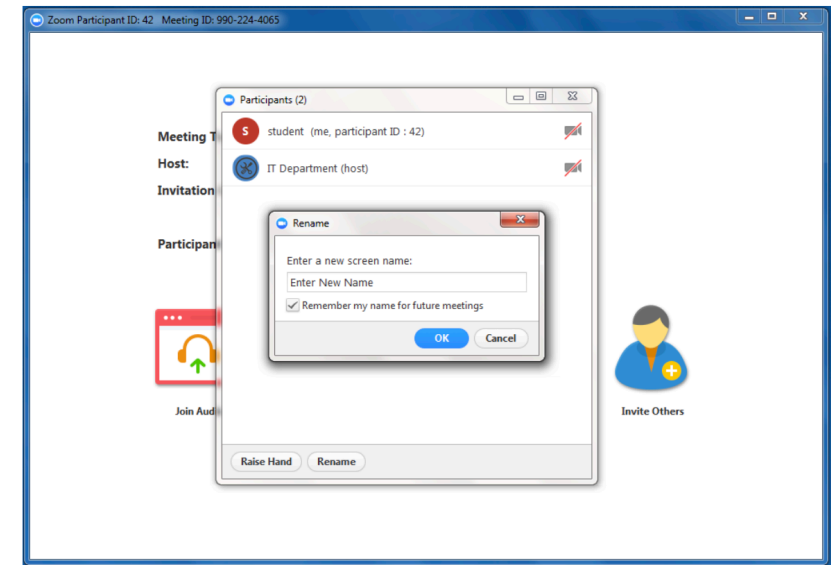


Welcome to the LARC Webinar

Please sign-in in the “Chat Box”,
include:

- Your Name
- Organization
- Site/s where you work or coach

Please rename yourself with your
actual name or facility name



PAGER

Purpose:

- To use QI cases to learn to “do” improvement, emphasizing peer-to-peer learning
- To share an example case presentation

Agenda:

- Ice Breaker – Dr. Barbara (Record Meeting)
- Survey Monkey Results – Dr. Katy
- Knowledge Burst - Case Presentation Example – Dr. Barbara
- Team Presentations (10 minutes each, followed by 10 min Q & A) – Hatcliffe, NMRL, Budiriro
- Q & A (10 minutes) – Dr. Barbara / Dr. Katy

Ground Rules:

- Begin & end on time
- Respect for all persons & all thoughts
- Encourage engagement & participation
- Keep audio on mute unless speaking / Raise hand to share or put question in chat box

Expected Outcomes:

- Reach LARC Project Goals - by learning from peers
- Make succinct presentations that get to the “heart” of the project

Roles:

- Host – Dr. Barbara
- Facilitator – Dr. Barbara / Dr. Katy

LARC Webinars – July & August

Date	Time	Activity	Presentations
June 24	1-2:30 PM	LARC Webinar	Kuwadzana, BRIDH, Mbare
July 8	1-2:30 PM	LARC Webinar	Hatcliffe, NMRL, Budiro
July 29	1-2:30 PM	LARC Webinar	Overspill/Epworth/Chitungwiza Central Hospital
August 5	1-2:30 PM	LARC Webinar	St Mary's/PSI lab/ Parirenyatwa Hosp
August 19	1-2:30 PM	LARC Webinar	Zengeza, Hopley, Seke North

Wakanda Clinic

Viral Load Results Interpretation and Patient Management

Country Team

Role	Name
Champion/Sponsor	
Team-Leader	
QI-Expert/Coach	
Data manager	
Frontline:	
Others	



Facility Information / Background



Facility Information	
# active patients on ART =	3337
# patients eligible for viral load =	2469
# viral samples collected / month =	300
% viral load coverage in 2017 =	83%
% viral load suppression in 2017 =	90%

The Story of Our Project



The Story of Our Project

Before

Upon receiving results:

- Poor communication of results from lab.
- Clinicians giving longer appointments (ranging between 30- 90 days).
- There would sometimes be no communication between clinician's and adherence team, hence patients would miss EAC, there was no timeline for SI to update the results in the EMR.

After

- Improved result & patient management process
 - Upon receiving results, the lab personnel prints in three copies and shares one copy with SI, the other with adherence then flags the High VL results and share with viremia clinic lead. Lab updates the VL log, SI updates EMR and adherence updates the EAC register.
 - Adherence lead calls all HVL patients immediately.
 - Viremia clinic lead updates viremia register and confirms the same (HVL line list) with adherence lead.
 - When patient reports to the clinic the adherence team and clinician informs him/her of their results and what it means, and EAC is commenced.
 - For those whose phones go unanswered physical tracing is done.

Project Summary

What are we trying to accomplish?	How will we know if a change is an improvement?	What change will we make that will result in an improvement?
Overarching Goal Patients with high VL attending EAC timely	AIM Statement Decrease percentage of patients with high VL not attending EAC within 30 days of receiving results from 49%, to 5% by March 2019. Metric $\frac{\text{of patients with HVL not attending EAC within 30 days of receiving results}}{\text{Total \# of patients with HVL results}} * 100$	Intervention Restructure the patient notification process 1. Shorten TCA to within 30 days for all VL patients 2. Call patients same day upon receipt of HVL results 3. Physical tracing for those whose phone calls don't go through after three attempts in a week.

Elevator Speech

This project is about:

- Improving follow up of patients with HVL not attending EAC within 30 days
- As a result of these efforts, we will achieve timely attendance of EAC for clients with HVL

It's important because we are concerned about:

- Patients with HVL missing timely EAC will impact on our suppression rate

Success will be measured by showing improvement in:

- % of patients with HVL attending EAC within 30 days

What we need from you (Addressed to other clinics within the facility)

- We would like to cascade lessons learnt to include other departments i.e. our TB program and your collaboration and ownership of the process to make part of our QI activity.

Process Mapping

The First Step Towards Improvement

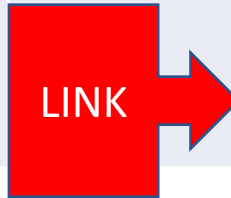


Process Step	What Happens?	Who is Responsible	Duration	Forms/ Logs	Opportunity for Improvement
1. Viral load testing appointments booked	Make appointments in EMR for eligible clients per country guidelines	Clinicians	5 min	EMR	Reduce missed appointments
2. Client arrival at clinic	Clients are grouped, confirmed for VL bookings, and escorted to lab	Triage staff	1 hour	VL Request form, VL diary	Ensure MFL code client ID are entered in the order forms
3. Sample collection, processing, and storage	Lab collects, label, process, and package samples; store samples in freezer; complete lab requisition form and shipping manifest	Lab staff	3 hours	VL Request form, VL shipping log	
4. Sample transport	Currier picks up samples and deliver to testing labs every Monday	Currier	30 min	VL request forms, shipping manifest	Increase sample collection frequency to 2X a week

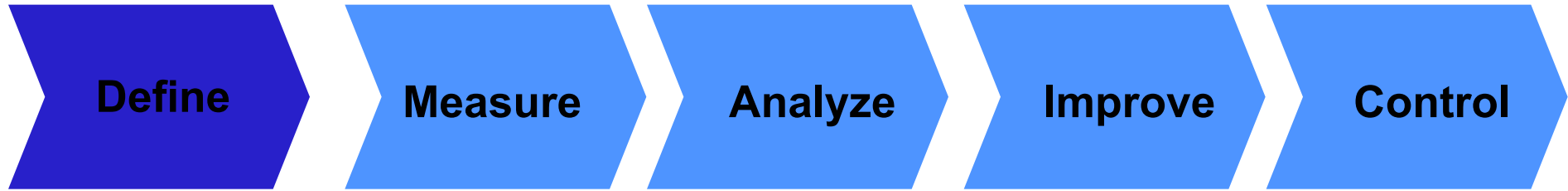
Process Step	What Happens?	Who is Responsible	Duration	Forms/ Logs	Opportunity for Improvement
5. Viral Load testing	Testing lab receives samples, verifies sample quality, accepts/rejects samples, signs/stamps sample manifest, returns one copy to clinic Testing lab analyzes samples	NHRL	10 working days	shipping manifest, receiving log, result dispatch log	Improve communication with clinic for reasons for no results or delayed results
6. Result reporting	Testing lab releases results to clinic (via LIMS)	NHRL	30 min	LIMS	Improve TAT
7. Result receiving at clinic	Clinic receives/verifies results; flags HVL and communicates to EAC team; enter results in VL tracking log	Lab staff	30 min	HVL register, batch summary form, VL tracking log	Improve LIMS server availability No designated person to print results, so sometimes results don't get printed



Process Step	What Happens?	Who is Responsible	Duration	Forms/ Logs	Opportunity for Improvement
8. Result documentation in EMR	Data entry clerk (DEC) enters results (printed from LIMS) into EMR	DEC	30 min	Printed results, EMR	Result entry into EMR sometimes not done timely
9. Notification of HVL clients	Enter HVL results into HVL register; notifies HVL focal person, calls patients re: results and book EAC appointment	Adherence Counselor	30 min (on the date HVL results are received)	EAC register, HVL register	Clients have enough refills and often decline to visit the clinic soon. Need to shorten TCA and develop SOP for calling clients back for EAC.



TCA=To Come Back for Appointment



- Gap (Problem Statement):

“Clients with high VL not attending EAC timely, within 30 days”.



Voice of Customer (VOC)

- Who is your customer? = Clients on ART
- Tool used = Questionnaire
- Collection Process
 - Sample size = 146
 - Distributed over 30 days
 - Anonymously dropped by individual patient at a designated box at the reception

What did you learn? How did you apply what you learned in your intervention?

QUESTIONNAIRE OF VOICE OF CUSTOMER

Unaonaje Huduma Zetu Ki jumla

☐ Mbaya sana

☐ Mbaya

☒ Nzuri ✓

☐ Nzuri sana

☐ bora

Ni sehemu gani ya huduma inachukua muda wako sana

☒ Kwa meza ✓

☐ Kwa pressure/Nurse

☐ Kwa daktari

☐ Kwa laboratory

☐ Kwa dawa

Unajua umuhimu wa kupima kiwango cha virusi mwillini?

☒ Ndio ✓

☐ Hapana

Ungependelea wakati wa kutolewa damu ya kupima kiwango cha virusi iwe wakati gani?

☒ Saa mbili asubuhi ✓

☐ Saa nane

Ni wapi ungependa turekebishe? Kwa MEZA

Define

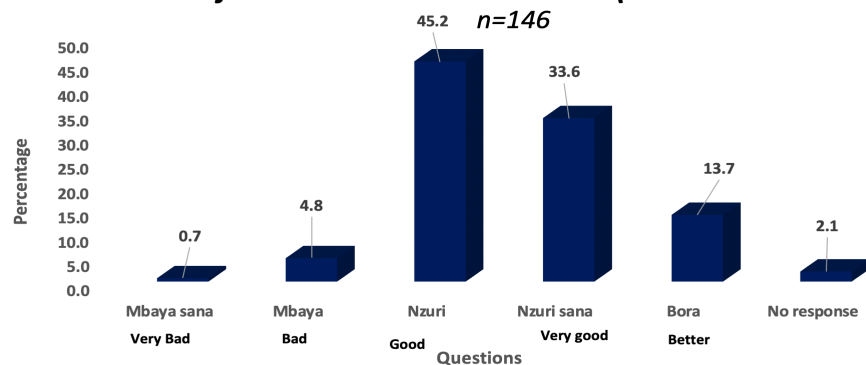
Measure

Analyze

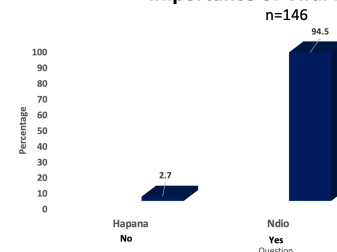
Improve

Control

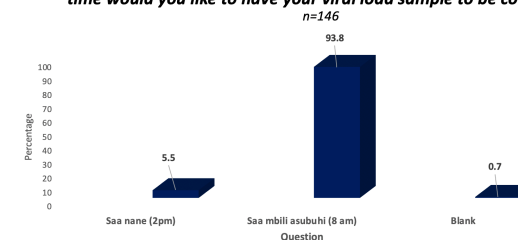
• “Unaonaje Huduma Zetu Ki Jumla?” (How are our services)



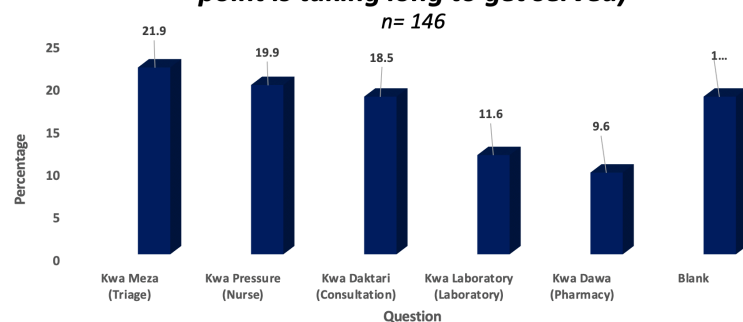
“Unajua Umuhimu wa Kupima Kiwango Cha Virusi Mwilini?” (Do you the Importance of Viral Load test)



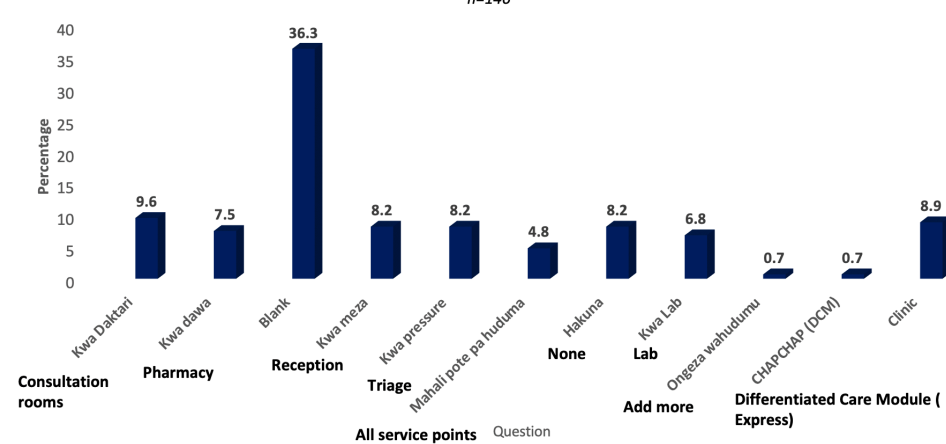
“Ungependelea Wakati wa Kutolewa Damu ya Kupima Kiwango cha Virusi lwe Wakati Gani?” (At what time would you like to have your viral load sample to be collected)

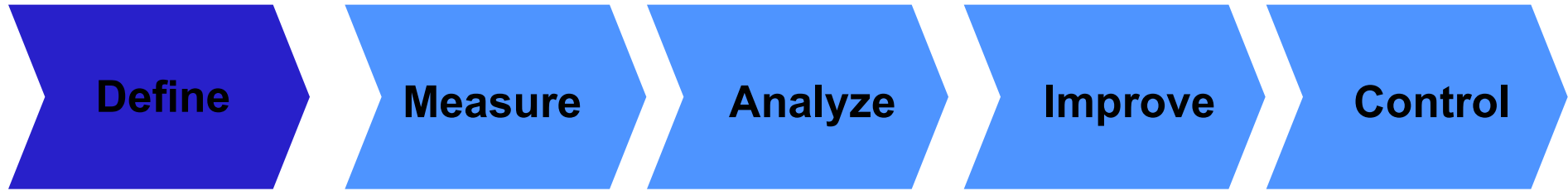


“Ni Sehemu Gani ya Huduma Inachukua Muda Wako Sana?” (Which service point is taking long to get served)



“Ungependelea tufanye marekebisho wapi?” (Which department would you like us to improve on)

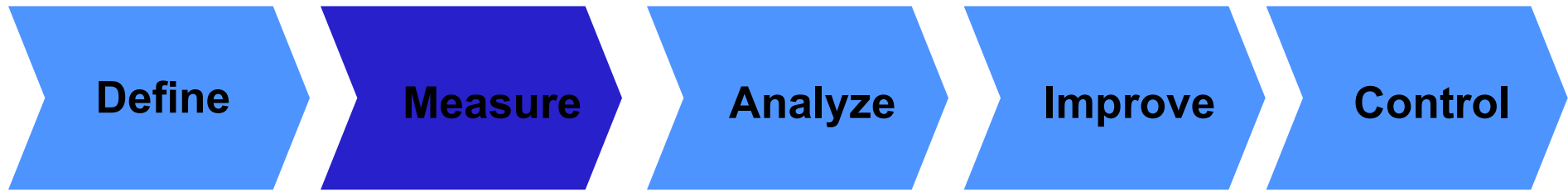




Voice of Customer (VOC)

What did you learn? How did you apply what you learned in your intervention?

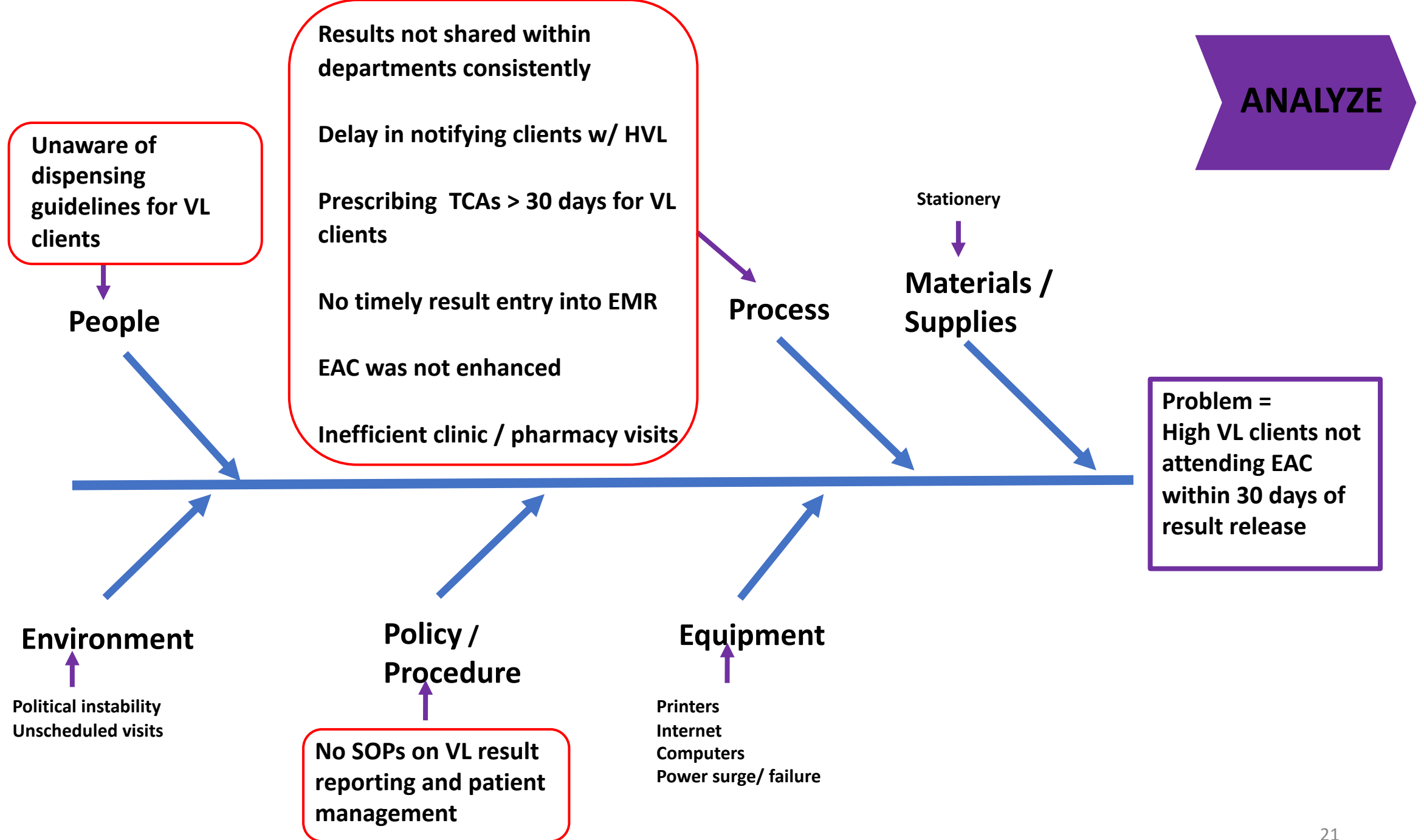
- Patients were not coming to clinic for appointments because they felt like the time spent in clinic was too long**
- The patients identified the pharmacy as the service needing most improvement**



- Metric Selected

$$\frac{\text{of patients with HVL not attending EAC} \\ \text{(within 30 days) of receiving results}}{\text{Total \# of patients HVL results received}} * 100$$

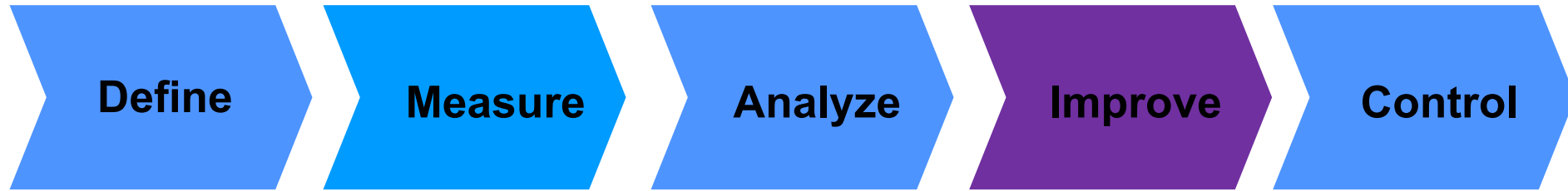
- Baseline Data
 - 47.7% (were not attending EAC within 30 days)





5 WHY on PROCESS

- **Results not shared within departments consistently**
 - **WHY**-Anyone could print results and update their own log, register, and EMR
 - **WHY**-There was **no focal person**
 - **WHY**-There was **no SOP** on results sharing
- **Delay in notifying clients with high viral load results**
 - **WHY**-Clinicians never used to sensitize clients to come for VL results within 30 days
 - **WHY**- There was **no focal person** to make follow up
 - **WHY**- Result management was **not standardized**
 - **WHY**- **Guidelines were not followed**
- **Prescribing longer TCA's even for VL patients**
 - **WHY**- **Clinicians had not been sensitized** on shortening TCA's for VL patients
 - **WHY**- There was **no SOP** on VL patient bookings



IMPACT / EFFORT GRID A Tool for Prioritizing Opportunities

IMPACT	Major Improvement	<p>Just Do It</p> <p>Avoid use of white out in the EAC diary</p> <p>Print out legible results from LIMS</p> <p>Use of the MFL in the lab order forms</p>	<p>Projects - Detailed planning and work</p> <p>Categorized into three:</p> <ul style="list-style-type: none"> a) Too many writing to be done (Log books) b) Follow up of patients with (HVL and those need a redraw) c) Tracking of missing results (Lab and NHRL), deficient sample referred process (Mismatch) <p>We settled for B, Follow up of patients</p>
	Minor Improvement	<p>Just Do It if Impactful</p>	<p>Maybe some day</p>
		Easy to Do	Difficult to Do
			EFFORT

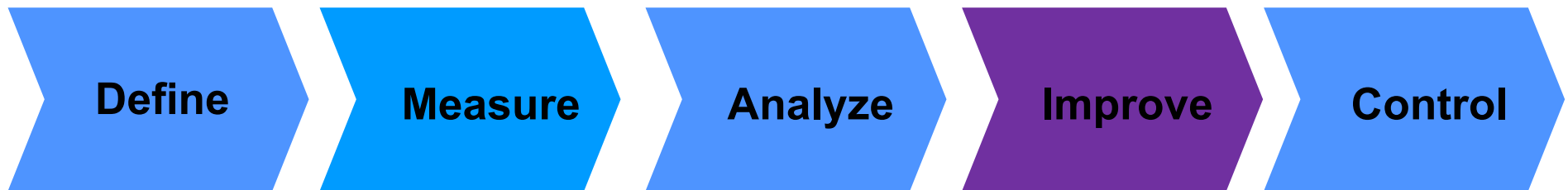


5S

Before

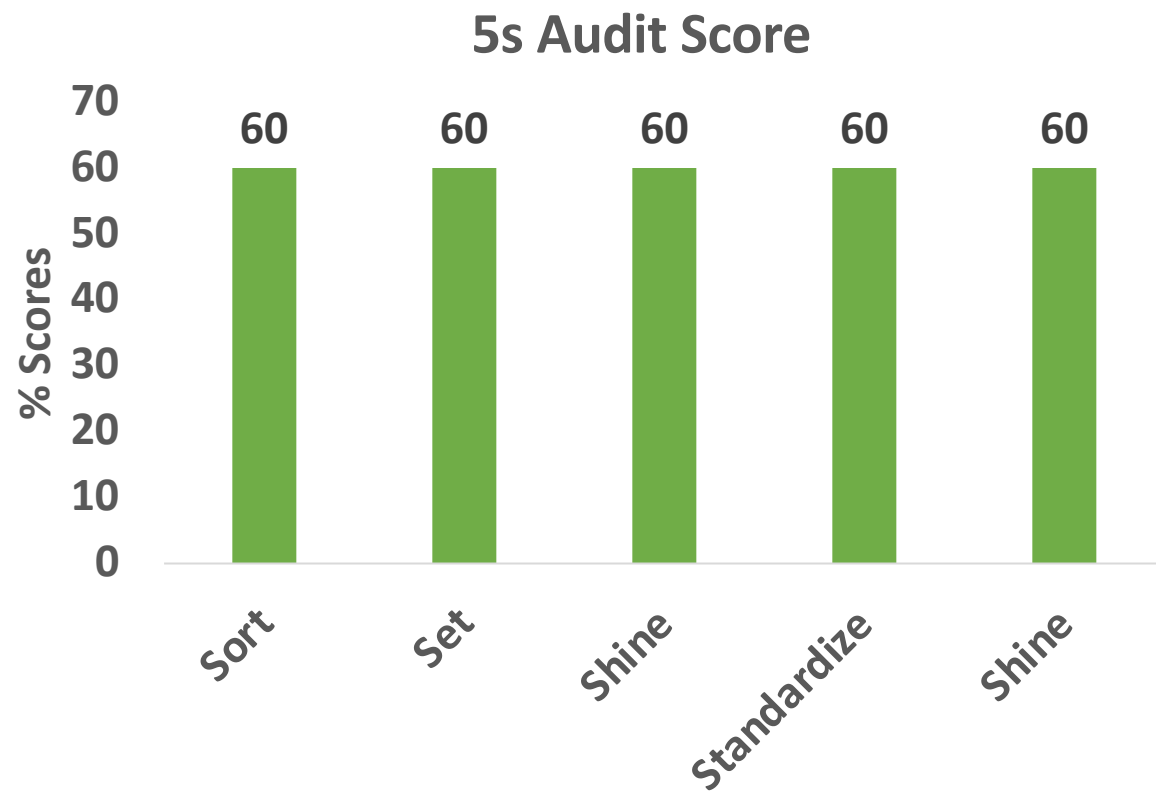
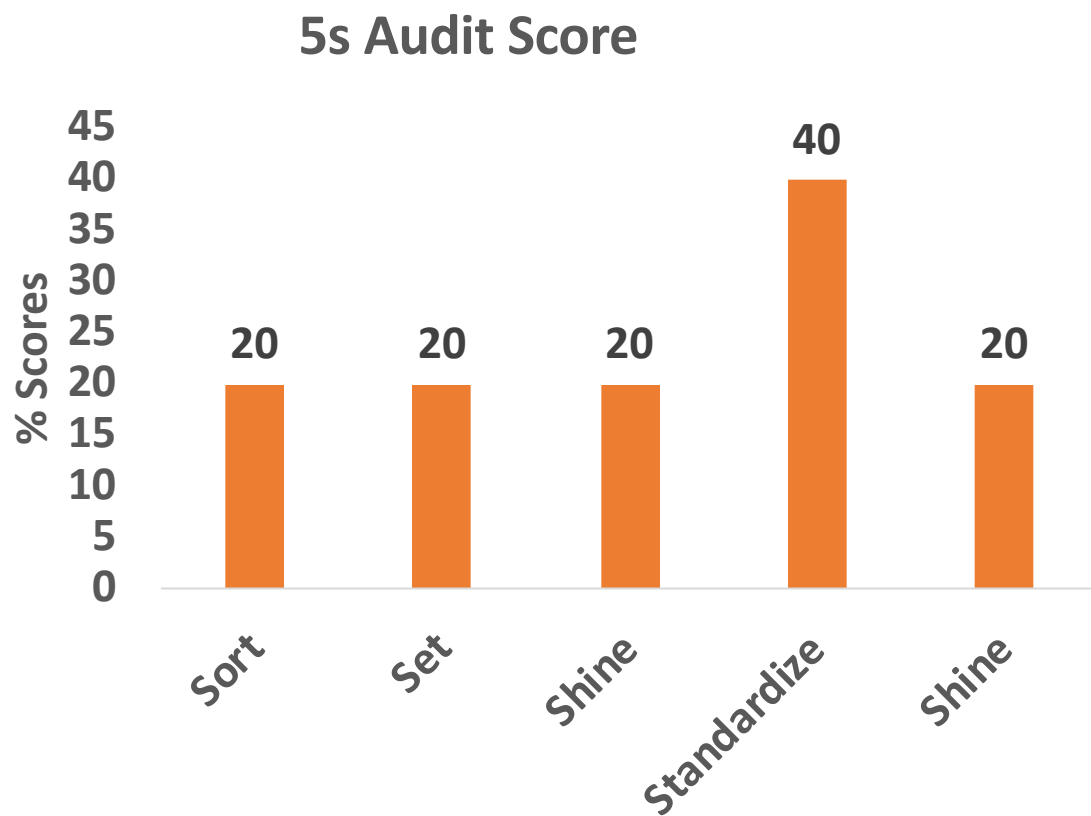
After





5S - BEFORE

5S - AFTER



Define

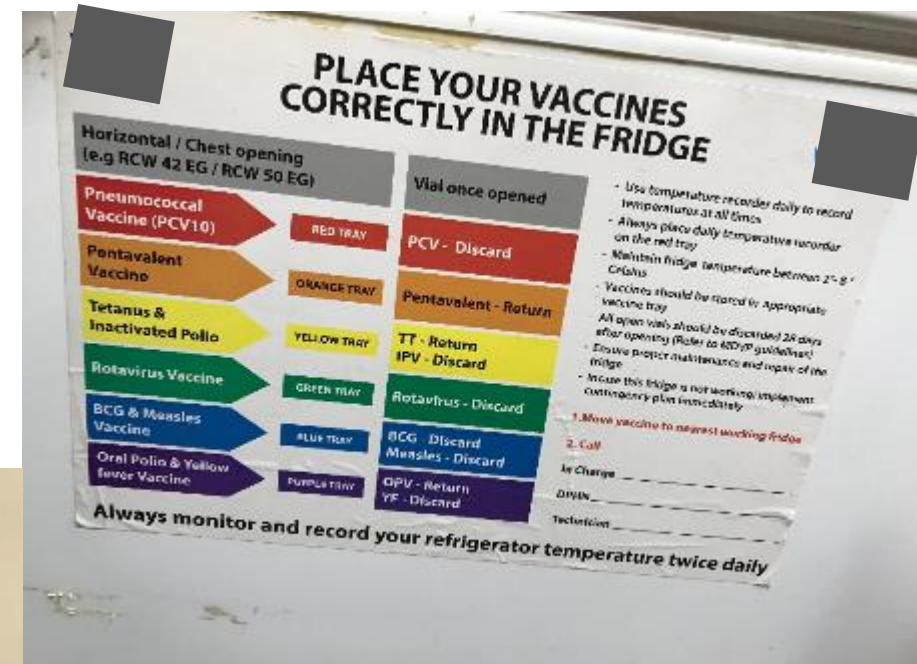
Measure

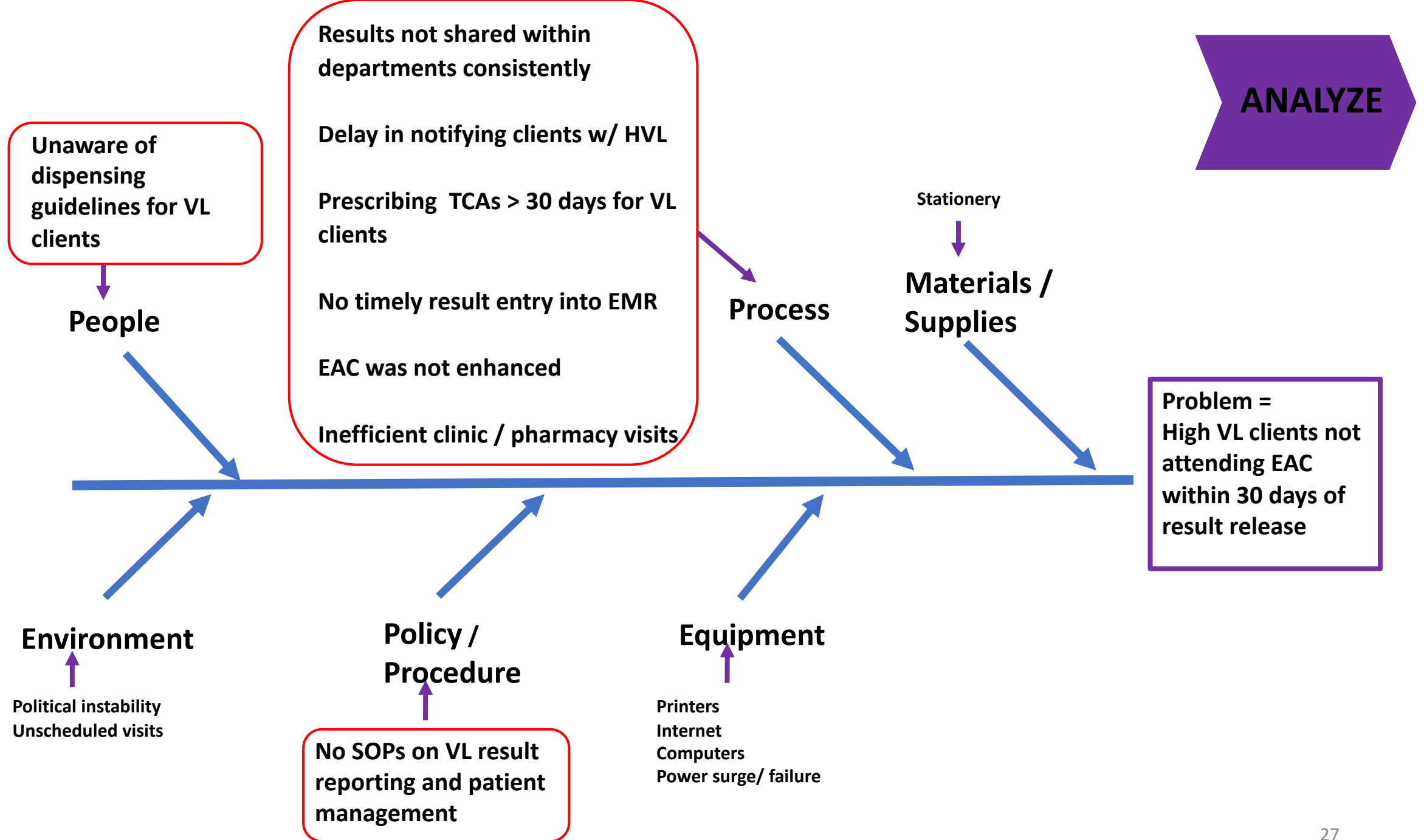
Analyze

Improve

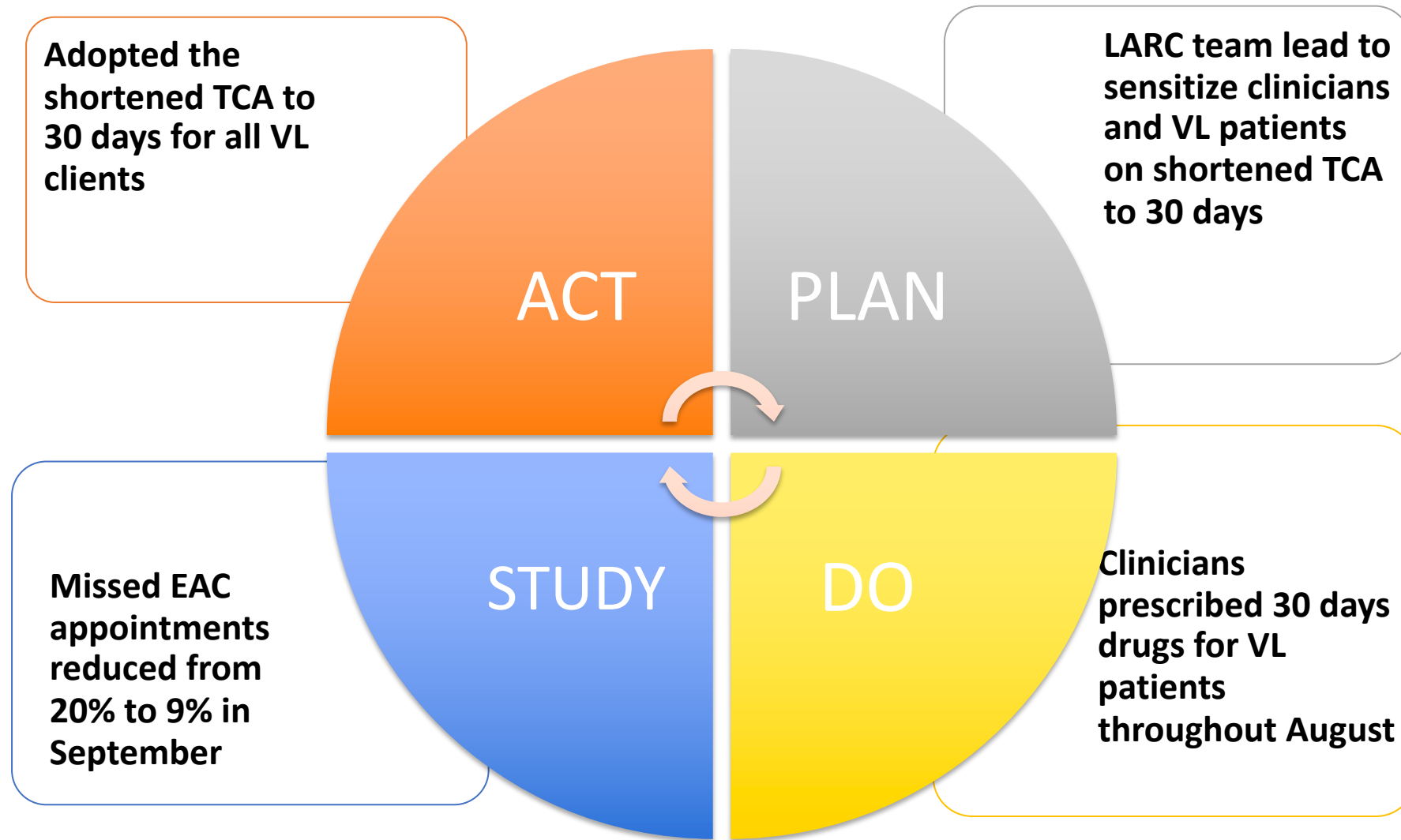
Control

Visual Management



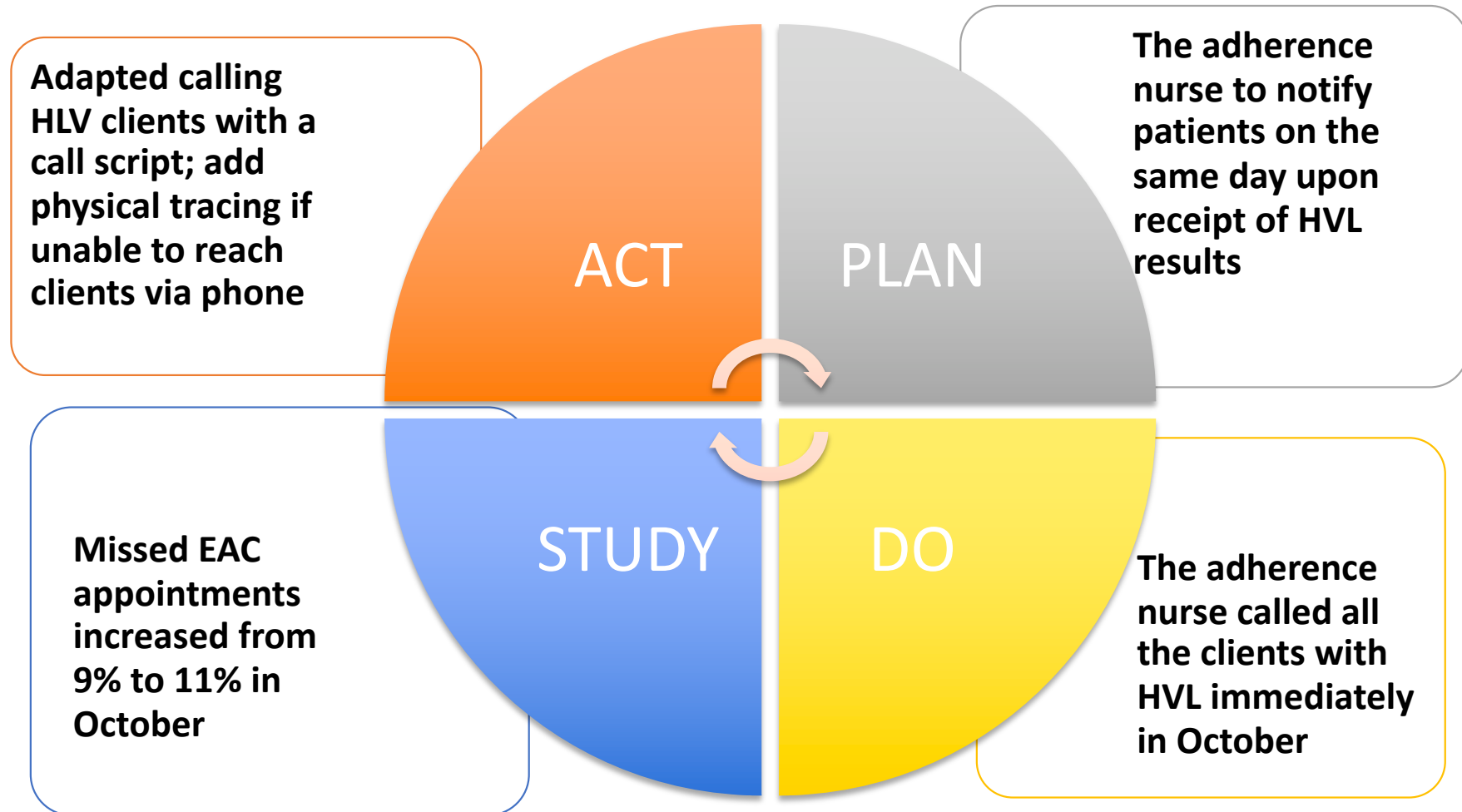


PDSA Cycle #1 (September) – *Shortened TCA*

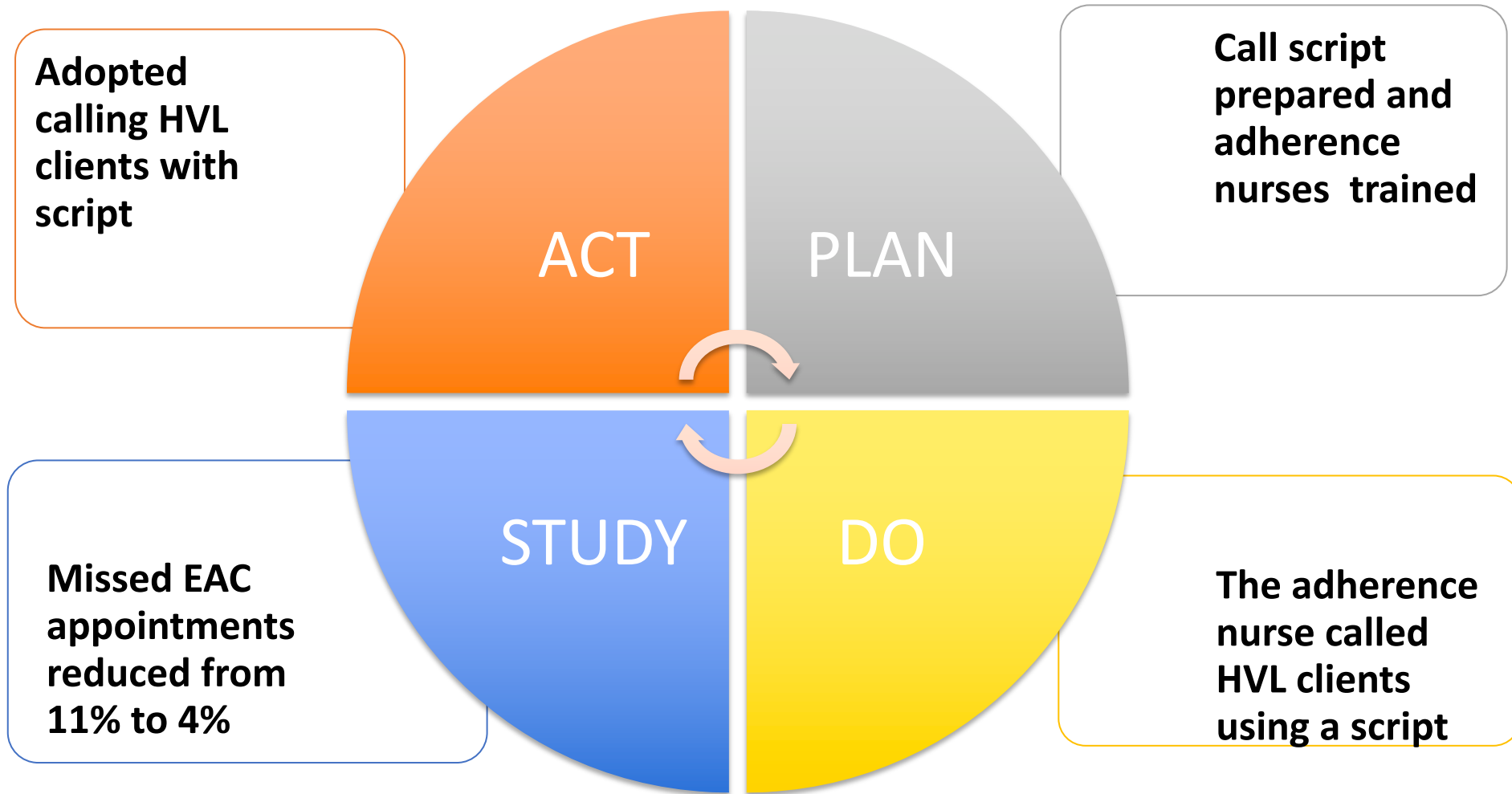


PDSA Cycle #2 - October

Patient / Client Notification

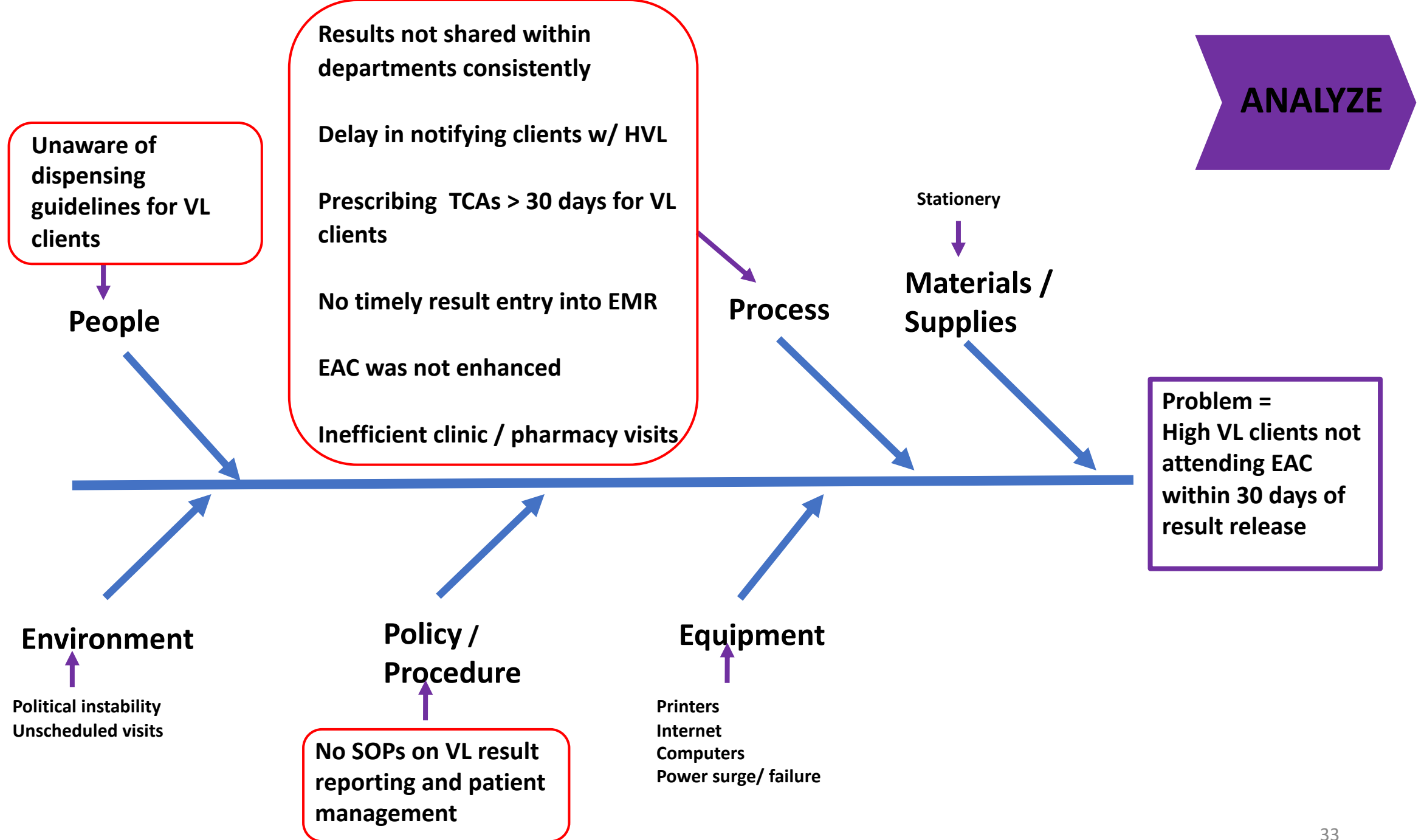


PDSA Cycle #3 – November – *Call Script*



PDSA Cycle #4 – November – *Physical Tracing*







Also, as part of new process:

Appoint VL Focal Person

Job description

Training

Competency

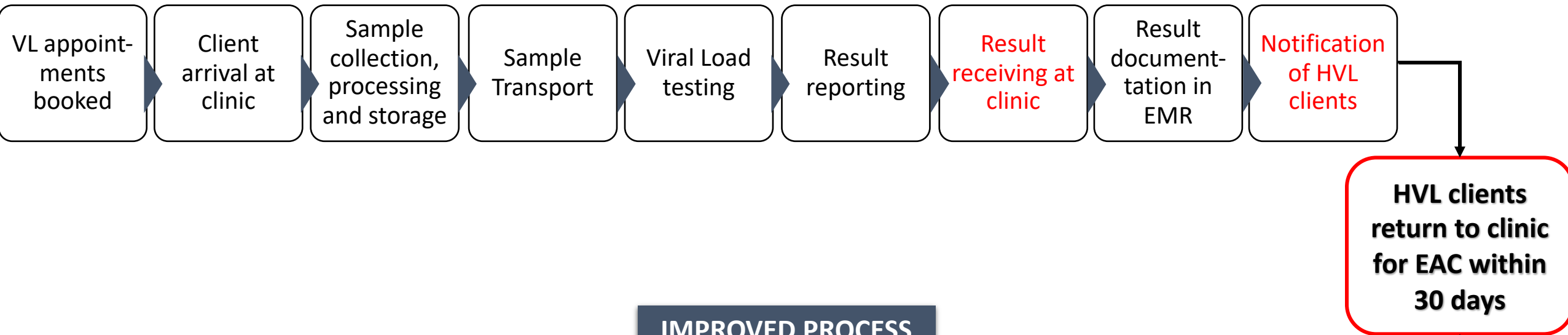
Create or procure SOPs / Guidelines

Customize SOPs, if needed

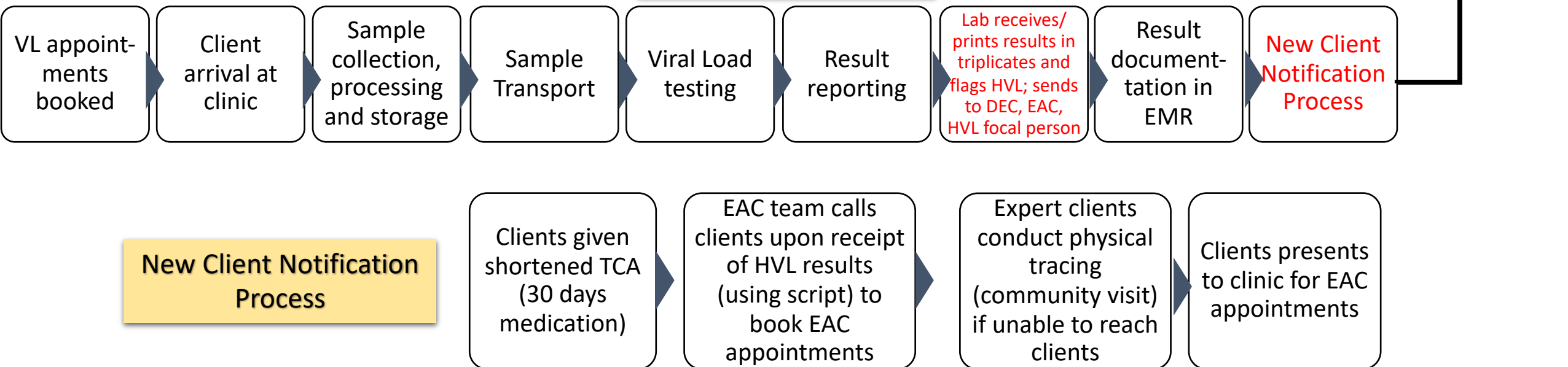
Training

Competency

BEFORE PROCESS

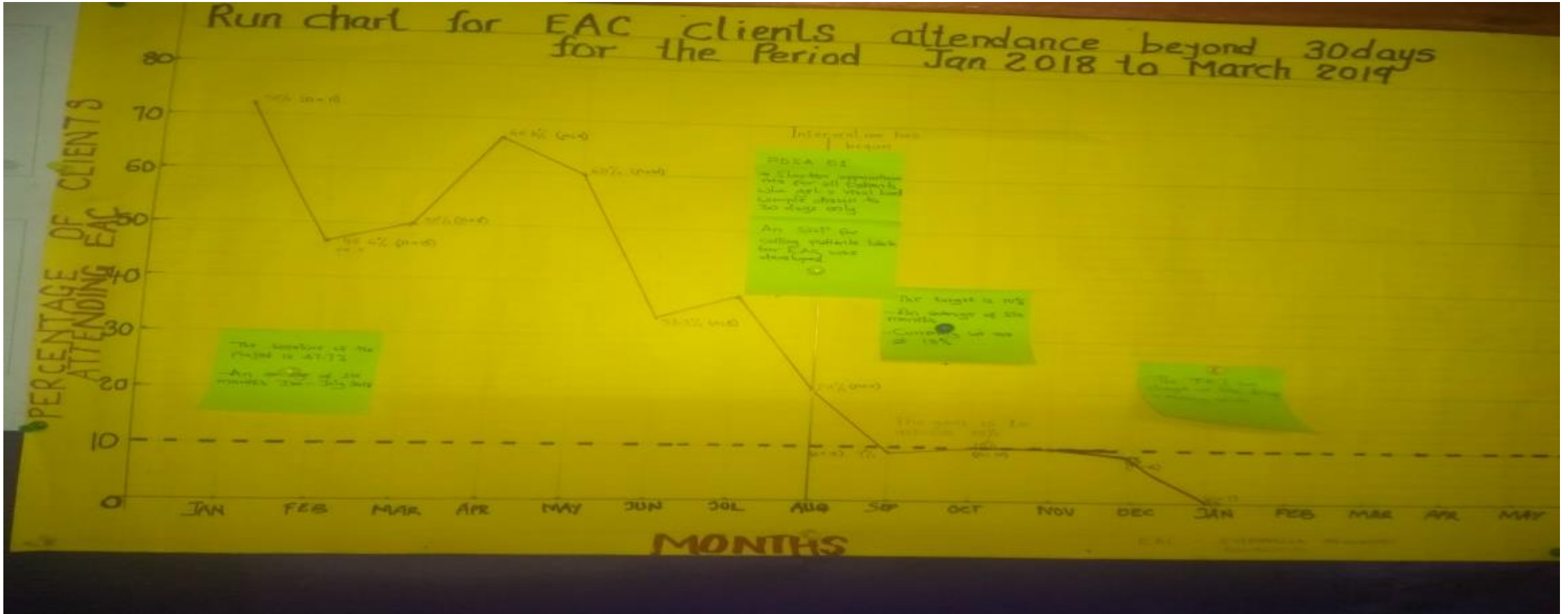


IMPROVED PROCESS

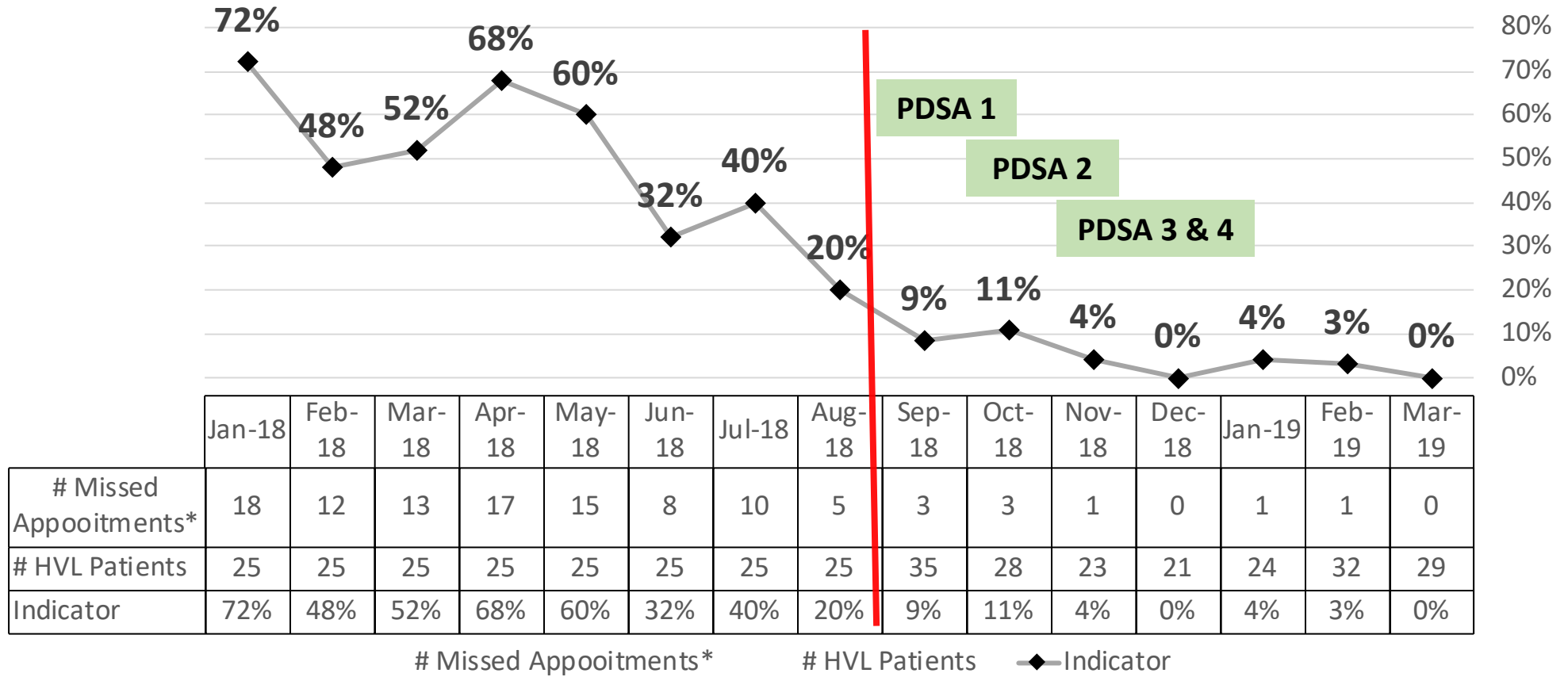




- Data Display



Missed EAC Appointments*



Project Successes, Challenges and Solutions

Successes

Just do it completed
Full support by the management.
Good Teamwork
Completed voice of customer
Communication platform.
Sensitization to entire facility team .

Challenges/Solutions

- Holding meetings on time
 - *Prepared a meeting rotation*
- Having every team member attending meeting was a challenge
 - *Ensured that the timing was appropriate for every member*
- Developing Aim statement.
 - *We brainstormed and consulted faculty member and TA*
- No funds for the project
 - *We got support from our management*

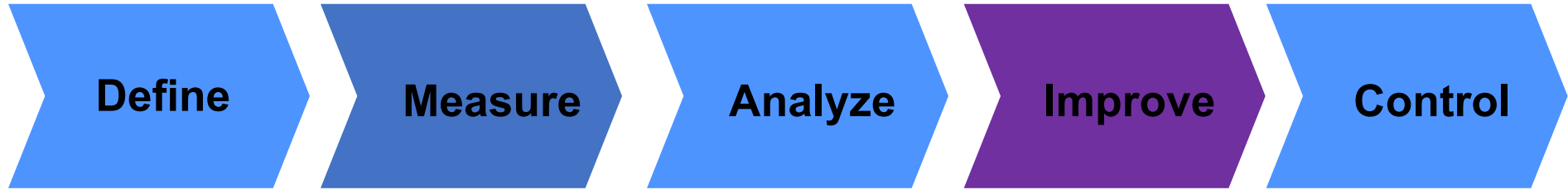
Lessons Learned

- **Inter departmental communication and collaboration is very important.**
- **Meetings are vital and social media came in handy as a means of dispersing information and updating each team member.**
- **The use of the learning board kept us informed and also helped educate the rest of the staff members and visitors too.**
- **It is scalable to other departments.**
- **Use of tools makes it easy to implement the project.**
- **QI is iterative**

Thank you! Asante Sana!

Stakeholder Analysis

Name	Level of Support					Key Interests / Issues	Assessment of Impact (H, M or L)	Action Items / Strategy to Influence	Key Communication Points
	R	SK	N	SP	E				
					E	Funds and policies	H	Funds	Through presentations & narrative reports
			N			Policies	H	Policies	Reports
					E	Funds and technical assistance	H	Funds and TA	Project progress and emails
					E	Health services	H	Clinic attendance	Logs and calls
					E	Development and implementation of SOP's and guidelines	H	Implementation of SOP and guidelines	CME and reports
					E	Timely feedback of results	H	Feedback	Emails and portal log in
			N			Collaboration and being part of the team	M	Disseminating information	Meetings
				SP		Quality improvement	M	Assessment	reports
				SP		Ensuring that commodities are available	H	Timely supply of commodities	Calls and emails
				SP		Infection prevention and waste management	H	Waste management	Physical collection of waste
R = Resistant, SK = Skeptical, N = Neutral, SP = Supportive, E = Enthusiastic							H = High M = Moderate L = Low		



- **Data Display**

