



QI PROJECT PDSA CYCLES REPORT FORM

TITLE: To improve Hand hygiene Compliance rate in NICU from 40% to 90% from April 1, 2017 E.C and June 30, 2017 E.C.

START DATE: April 1, 2017 E.C

END DATE: June 30, 2017 E.C.C

QI Project leader: Dr. Dawit Seifu-Inpatient Director

CHANGE IDEA: Install 3 hand washing sinks	PDSA CYCLE: 2	DATE: May 15, 2017E.C
PLAN		

WHAT IS THE PURPOSE OF THIS CYCLE? (Check one)

DEVELOP

TEST

IMPLEMENT

WHAT IS THE OBJECTIVE OF THIS CYCLE? WHAT QUESTIONS DO YOU WANT TO ANSWER? WHAT ARE YOUR PREDICTIONS?

Objective: To improve hand hygiene compliance by increasing the availability and accessibility of handwashing facilities.

Questions: Will installing additional handwashing sinks increase hand hygiene compliance among NICU staff?

Predictions: Adding 3 sinks will make handwashing easier and faster, increasing compliance to above 65%.

LIST TASKS NECESSARY TO SET UP AND CONDUCT THE TEST (THINK 'ONENESS' AND 'DROP TWO')

What? (Specific task)	How? (Checklist, tally sheet)	Who? (Name or role)	When? (Times, dates-be specific)	Where? (Program, location site - be specific)
Install 3 hand washing sinks	,	Facility manager & Biomedical enginer	from April 22-May 15, 2017E.C	NICU

OUTLINE YOUR PDSA DATA COLLECTION PLAN (WHAT, HOW, WHO WHEN AND WHERE)

What data will be collected?	How? (Checklist, tally sheet)	Who? (Name or role)	When? (Times, dates-be specific)	Where will the data be recorded?
Collect hand hygiene compliance data weekly using an observation checklist.	observation checklist	NICU head (Abdi Baker)	from April 22-May 15, 2017E.C C	NICU

DO

WHAT DID YOU OBSERVE DURING THE TEST? WERE THERE ANY UNEXPECTED OBSERVATIONS OR ISSUES? WHAT WENT WELL?

- » 3 handwashing sinks were installed in the NICU between April 22 - May 15, 2017 E.C.
- » Weekly observation of hand hygiene practices was conducted by the NICU head (Abdi Baker).
- » Staff expressed satisfaction with the increased accessibility of handwashing stations.

STUDY

ANALYZE YOUR DATA AND DESCRIBE THE RESULTS. HOW DO THE RESULTS COMPARE WITH YOUR PREDICTIONS? WHAT DID YOU LEARN FROM THIS CYCLE?

Date	Correct HH Actions (#)	Total HH Opportunities (#)	Compliance (%)	Analysis:
30-Apr-17	18	30	60	
7-May-17	20	30	68	
14-May-17	20	25	78	
Total	58	85	68%	<ul style="list-style-type: none"> » Compliance improved significantly from 52% in the last cycle to 78% by the third week. » Installing sinks directly improved access and reduced missed opportunities for hand hygiene. » The results exceeded the predicted improvement of 65%.

ACT

WHAT CHANGES NEED TO BE MADE? WHAT IS YOUR PLAN FOR THE NEXT CYCLE?

- » **ADOPT** - Additional sinks had a strong positive impact on compliance.

ADAPT (note changes for next cycle above)

ADOPT

ABANDON

Reported by: Abdi Baker

PDSA CYCLE:2_May 15, 2017E.C

