

## 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**

|   |   |  |   |   |
|---|---|--|---|---|
| <b>CHANGE IDEA:</b> Post laminated HH posters   |   | <b>PDSA CYCLE:3</b>                              |   | <b>DATE:</b> June 08, 2017E.C   |
| <b>PLAN</b>   |   |  |   |   |
| <b>WHAT IS THE PURPOSE OF THIS CYCLE? (Check one)</b>   |   | <b>DEVELOP</b>                                   | <input checked="" type="checkbox"/> <b>TEST</b> | <b>IMPLEMENT</b>  |
| <b>WHAT IS THE OBJECTIVE OF THIS CYCLE? WHAT QUESTIONS DO YOU WANT TO ANSWER? WHAT ARE YOUR PREDICTIONS?</b>  |   |  |   |   |
| <b>Objective:</b> To reinforce HH practice and achieve the 90% compliance target by using visible reminder posters in the NICU.<br><b>Questions:</b> Will visible reminder posters improve hand hygiene compliance to the target level?<br><b>Predictions:</b> Laminated posters will serve as constant visual reminders and raise compliance above 85%, reaching the 90% goal. |   |  |   |   |
| <b>LIST TASKS NECESSARY TO SET UP AND CONDUCT THE TEST (THINK 'ONENESS' AND 'DROP TWO')</b>   |   |  |   |   |
| <b>What?</b> (Specifc task)   | <b>How?</b> (Checklist, tally sheet)                                  | <b>Who?</b> (Name or role)                       | <b>When?</b> (Times,dates-be specifc)           | <b>Where?</b> (Program, location site - be specifc)   |
| Design and print laminated WHO 5 Moments of Hand Hygiene posters.   | Post posters in visible locations near sinks and patient beds in NICU | Finance & IPC f/p                                | From May 16 -June 07, 2017E.C                   | NICU  |
| <b>OUTLINE YOUR PDSA DATA COLLECTION PLAN (WHAT, HOW, WHO WHEN AND WHERE)</b>   |   |  |   |   |
| <b>What data will be collected?</b>   | <b>How?</b> (Checklist, tally sheet)                                  | <b>Who?</b> (Name or role)                       | <b>When?</b> (Times,dates-be specifc)           | Where will the data be recorded?  |
| Collect hand hygiene compliance data weekly using an observation checklist.   | observation checklist   | NICU head (Abdi Baker)                           | from May 16 -June 07, 2017E.C                   | NICU  |
|   |   | <b>DO</b>  |   |   |
| <b>WHAT DID YOU OBSERVE DURING THE TEST? WERE THERE ANY UNEXPECTED OBSERVATIONS OR ISSUES? WHAT WENT WELL?</b>  |   |  |   |   |
| <ul style="list-style-type: none"> <li>➢ Laminated posters were displayed in all strategic points of the NICU.</li> <li>➢ Weekly hand hygiene observations were conducted by the NICU head (Abdi Baker).</li> <li>➢ Staff frequently noticed and acknowledged the posters, using them as prompts for proper hand hygiene.</li> </ul>  |   |  |   |   |
| <b>STUDY</b>  |   |  |   |   |
| <b>ANALYZE YOUR DATA AND DESCRIBE THE RESULTS. HOW DO THE RESULTS COMPARE WITH YOUR PREDICTIONS? WHAT DID YOU LEARN FROM THIS CYCLE?</b>  |   |  |   |   |
| <b>Date</b>   | <b>Correct HH Actions (#)</b>   | <b>Total HH Opportunities (#)</b>                | <b>Compliance (%)</b>                           | <b>Analysis:</b> <ul style="list-style-type: none"> <li>➢ Compliance increased to 90% by the third PDSA, achieving the project target.</li> <li>➢ Visual reminders were effective in reinforcing behaviors learned in previous cycles.</li> <li>➢ The results confirmed that environmental cues (posters) help sustain hand hygiene practices.</li> </ul> |
| 21-May-17   | 26  | 30   | 87  |   |
| 30-May-17   | 27  | 30   | 90  |   |
| 7-Jun-17  | 23  | 25   | 92  |   |
| <b>Total</b>  | <b>76</b>   | <b>85</b>  | <b>90%</b>                                      |   |
| <b>ACT</b>  |   |  |   |   |
| <b>WHAT CHANGES NEED TO BE MADE? WHAT IS YOUR PLAN FOR THE NEXT CYCLE?</b>  |   |  |   |   |
| <input checked="" type="checkbox"/> <b>ADOPT</b> - Visual reminders will be maintained as part of routine NICU infection prevention measures.   |   |  |   |   |
| <b>ADAPT (note changes for next cycle above)</b>  |   | <input checked="" type="checkbox"/> <b>ADOPT</b> |   | <b>ABANDON</b>  |

**Reported by:** Abdi Baker

## PDSA CYCLE:3\_June 08, 2017E.C

