

NHP PDSA Worksheet Example

*For guidance on running PDSA cycles and additional samples, see www.alpqc.org/initiatives/nhp under "Quality Improvement Tools"

Project Name: ALPQC Neonatal Hypothermia Prevention Initiative

Project SMART Aim: **Reduce hypothermia by 20% within 1 year of initiative start**

Test Name: Nursing implementation of broadened use of plastic wrap

Test start date: 04/01/2024

Test completion date: 05/01/2024

What is the objective of the test? To standardize the use of plastic wraps at delivery in infants born between 29 and 32 weeks' gestation.

What key drivers does this test impact?

- | | |
|---|---|
| <input type="checkbox"/> Optimizing preparation prior to delivery | <input checked="" type="checkbox"/> Optimizing delivery room management |
| <input type="checkbox"/> Identifying opportunities for improvement through debriefing | <input type="checkbox"/> Providing resources to staff, patients, and families |
| <input type="checkbox"/> Standardizing delayed cord clamping | <input type="checkbox"/> Optimizing noninvasive respiratory support |

PLAN:

Briefly describe test: Given the high proportion of infants between 29 and 32 weeks' with hypothermia, we are planning to expand our use of plastic wraps in this population.

How will you measure the success of this test? By measuring the frequency of plastic wrap use and frequency of hypothermia within this population

What would success look like? 1) >80% of infants between 29 and 32 weeks' receiving plastic wrap exposure in the DR 2) a 10% reduction in the frequency of hypothermia in this GA range 3) no increase in the frequency of hyperthermia in this GA range

What do you predict will happen? There may be inconsistency in the use of plastic wraps as we roll out a new process

Plan for collection of data: Audit our random sample for the use of plastic wraps in this patient population

Name of task:	Person Responsible:	Date:	Location:
Nursing Education	Barbara (Nurse Educator)	_____	_____
Confirm higher volume of plastic wrap availability	Debbie (Nurse Leadership)	_____	_____
Division Education	Harold (Physician Lead)	_____	_____

DO:

Was the cycle carried out as planned?

Yes No

Record data and observation:

Some nurses were not aware of the change in this process.

What did you observe that was not part of the plan?

Some DRs did not have plastic wraps available.

STUDY:

Did the results match your predictions?

Yes No

Compare the result of your test to your previous performance:

There was inconsistency in the use of plastic wraps in this patient population (~50%).

What did you learn?

We need to identify additional opportunities to remind staff of this new process, such as morning huddles, improved education for delivery staff, and sharing data regarding our plastic wrap use with staff.

ACT: Decide to Adapt, Adopt, or Abandon

Adapt: Improve the change and continue testing the plan.

Plan/changes for the next test : Roll out additional reminders to staff

Adopt: Select changes to implement on a larger scale and develop an implementation plan and plan for sustainability

Abandon: Discard the change idea and try a different one