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Goal: decrease time to 1st skin-to-skin/holding

Background

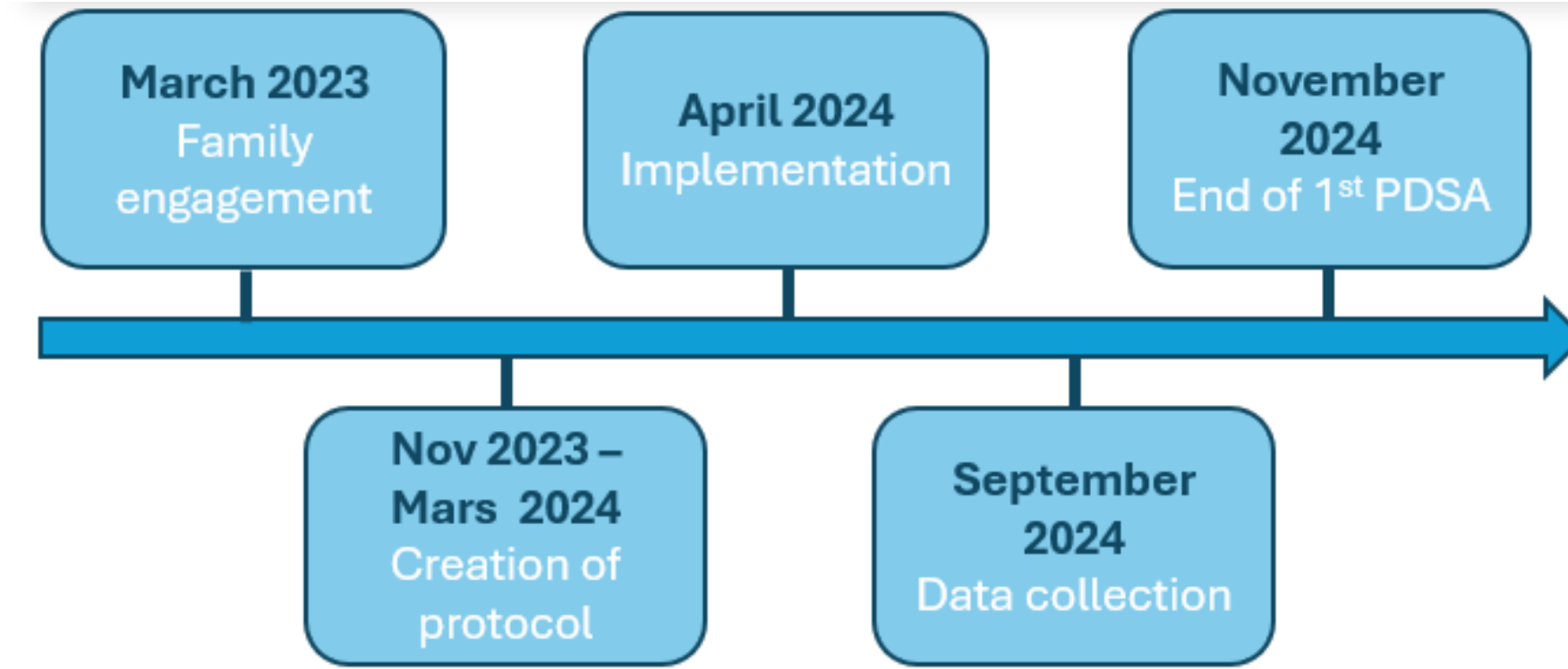
Initial data:
Average time to 1st SSC/holding
2.8 days

Contraindications to SSC/holding included:

- High frequency JET ventilation
- Umbilical Arterial Line (UAL)
- ELGA (<29 weeks) in the first 72 hours of life
- Therapeutic hypothermia

1st PDSA

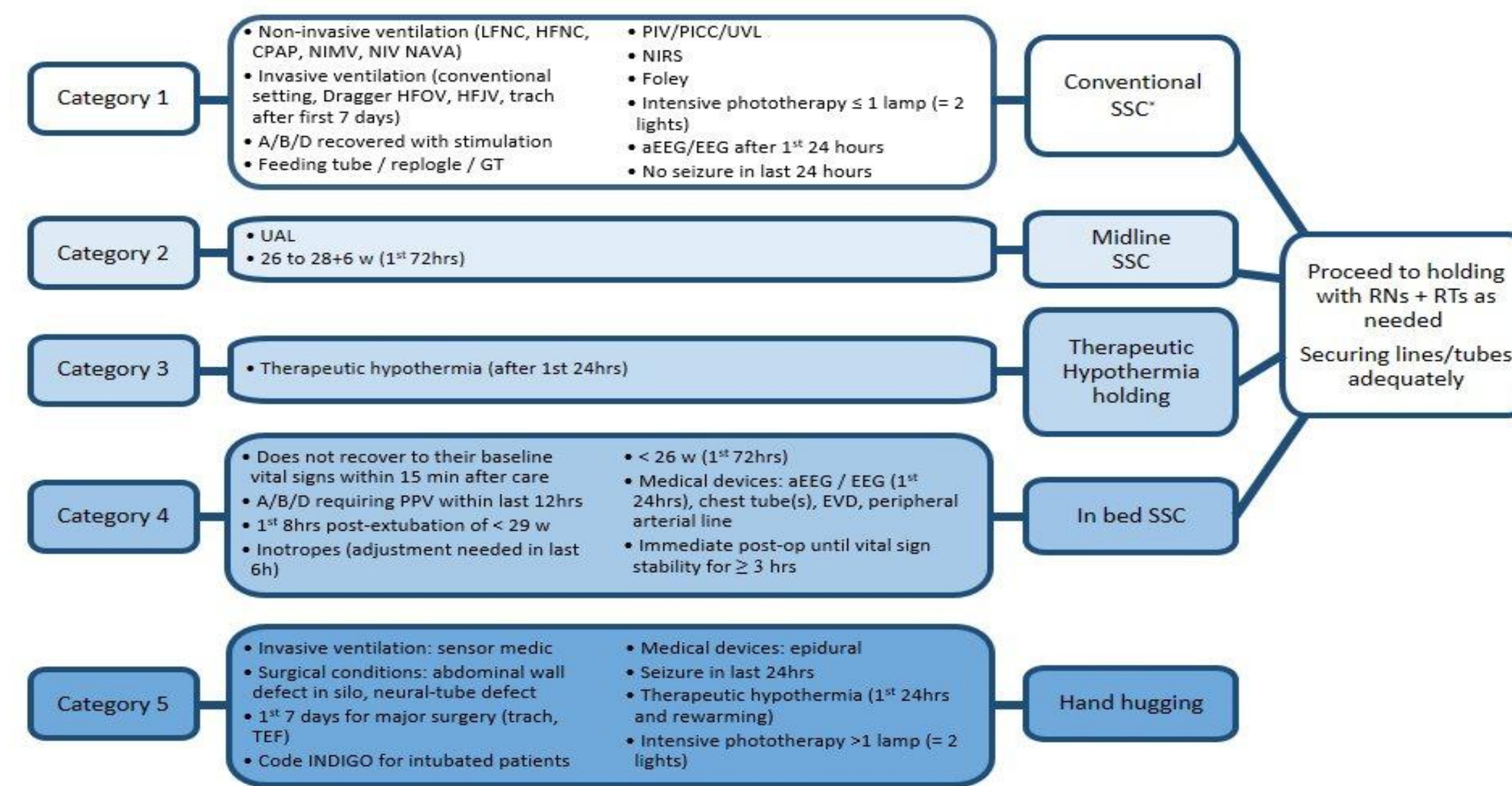
Plan



Do

New Protocol / Algorithm

NICU HOLDING / SSC ALGORITHM
Always follow the algorithm by the highest category the patient falls into
Any deviation from algorithm can be done by a physician order



Teaching Videos

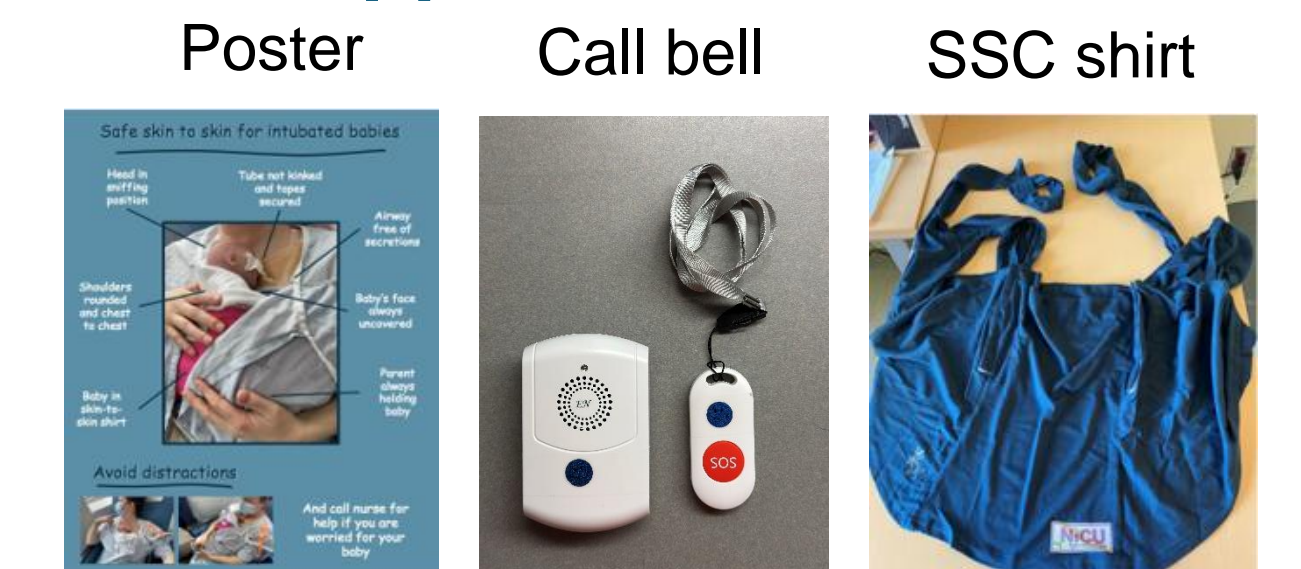


Simulation Sessions

Medical Device / type of position	Nurses (n = 160)	RTs (n = 50)
HFJET ventilation (conventional SSC)	119 (74%)	44 (88%)
Umbilical arterial line (midline SSC)	132 (83%)	N/A
Therapeutic hypothermia	132 (83%)	N/A
In bed SSC	132 (83%)	N/A

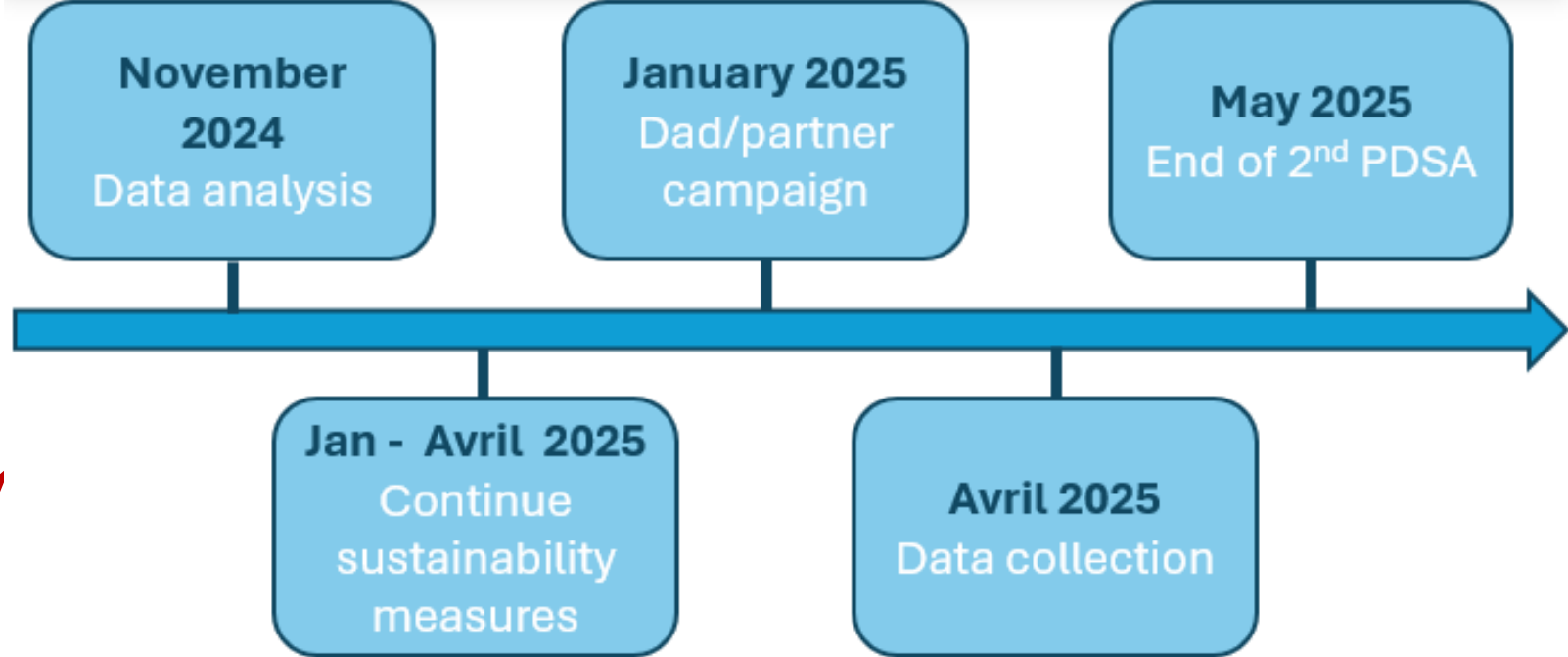


Supportive Materials



2nd PDSA

Plan



Do

DADS/PARTNERS do KANGAROO

- Mentioning dad/partner being the first to hold during antenatal consult
- Informational handout on benefits and types of SSC
- Target teaching to dad/partner by lactation team on day of admission

Act

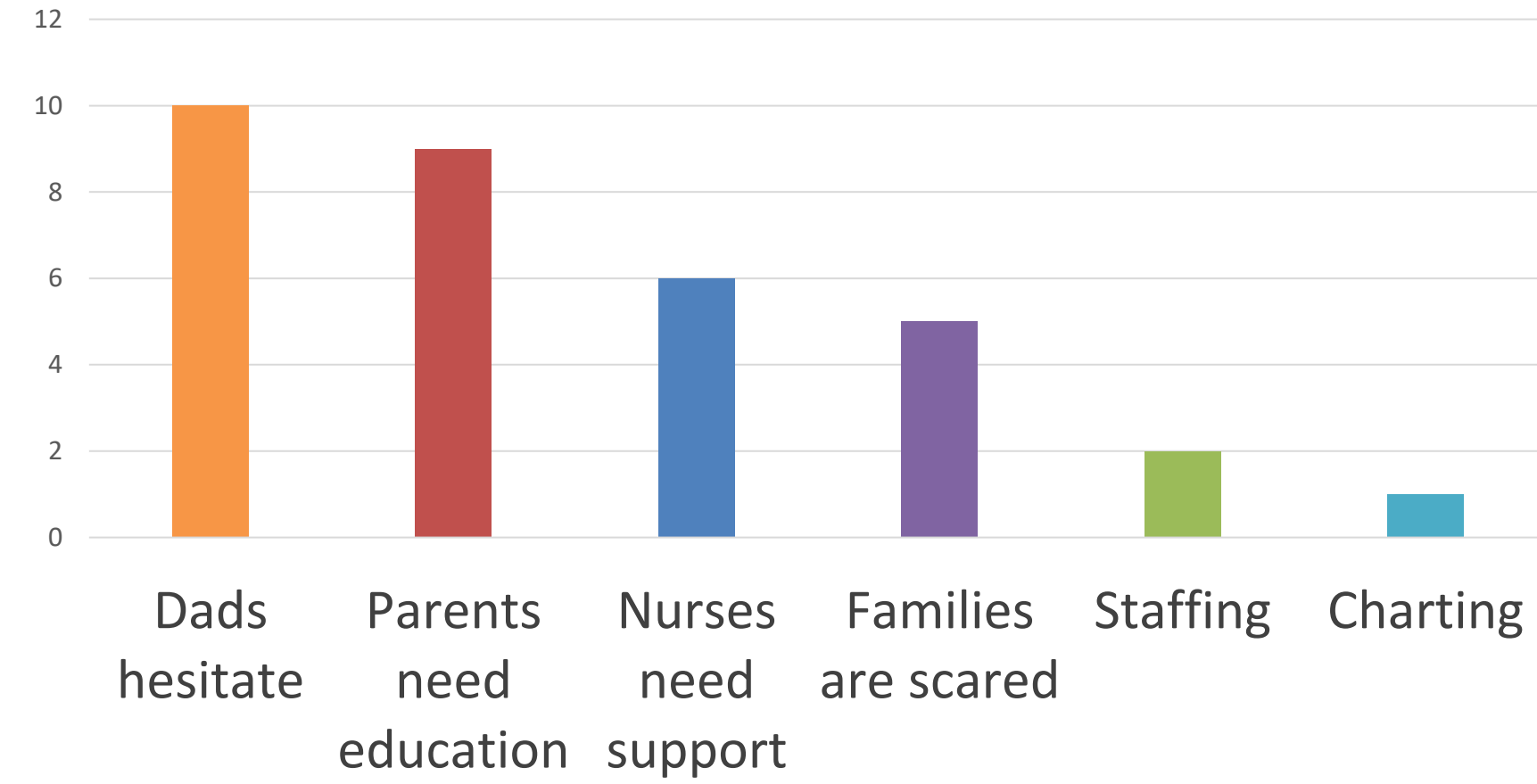
Parent Survey

Obstacles That Prevented Starting Skin-to-Skin Sooner

Told by the staff "baby not stable enough"	9 (36%)
Worry about the safety of my baby	7 (28%)
There was no delay	6 (24%)
Not able to be by my baby's side	3 (12%)
Not knowing it was possible	0
The staff was not available to help	0

Nurse Survey

Obstacles That Prevented Starting Skin-to-Skin Sooner



Other obstacles

Loss of SSC shirts

- 100% lost prior to new protocol
- 50% lost in 6 months
- New sign in/sign out process
- Suggest that parents buy their own

Data collection not reliable

- Patient being missed as documentation is inconsistent

Supportive Documents

- Medical equipment securement guideline
- Checklists
 - For SSC with intubated babies
 - For holding a baby on therapeutic hypothermia

Study

After 4 months

New populations being held

Medical Device	Babies for SSC/holding
HFJET ventilation	1
Umbilical Arterial Line	6
ELGA < 72 hours old	2
Therapeutic hypothermia	2



Nurses learning new skills

Medical Device / type of position	Nurses Participating in SSC/holding
HFJET ventilation (conventional or midline SSC)	9
Umbilical Arterial Line, ELGA < 72 hours old (midline SSC)	17
Therapeutic hypothermia	7
In bed SSC	2

Minimal adverse events

Event	Total	During SSC/holding
Accidental extubation	4	0

Future PDSAs

- **Creating champions:** Reinforce how to determine eligibility and always remember to offer alternative skin-to-skin/holding position
- **Documentation:** Modify nursing documentation to better keep track of SSC/holding time, duration, type, by whom

Future directions

Is 'Time to 1st SSC/holding' meaningful? Should we shift goals...?

- Total hrs of SSC/holding per baby per day
- Number of babies who were previously not being held, who are being held now

Ideas to help us?



BUT... Average time to 1st SSC/holding:

3.5 days