

# CPAP Initiation in the delivery room for preterm neonates

## BACKGROUND

Current evidence-based studies demonstrated the administration of continuous positive airway pressure (CPAP) in the delivery rooms significantly reduces the need for intubation, mechanical ventilation, and exogenous surfactant in preterm neonates

## PROJECT OVERVIEW

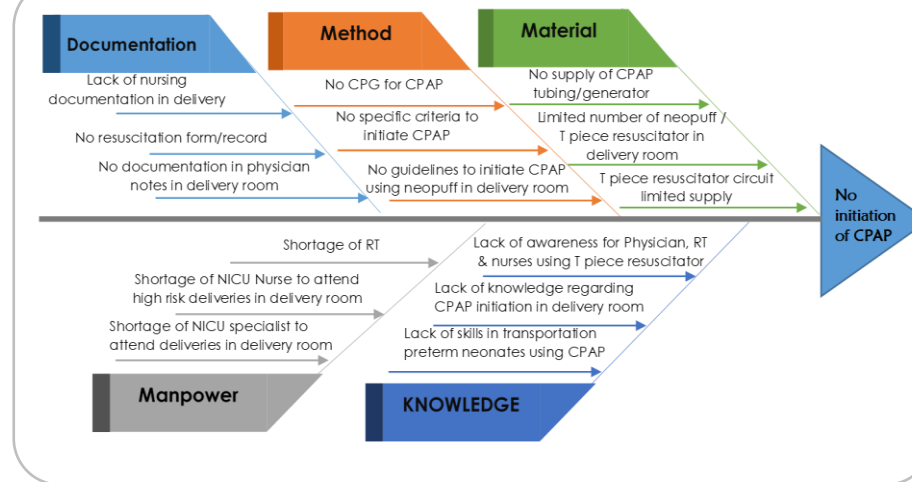
### Objectives

- To increase the use of CPAP as primary mode of respiratory support in delivery room.
- To reduce the need of intubation.

### Scope

- Gestational age 28 to 32 weeks.
- Good respiratory effort.
- Heart rate above 100bpm.
- No known contraindications for CPAP (Choanal atresia, diaphragmatic hernia).

## PROJECT ANALYSIS



## INTERVENTIONS

- Formulated criteria for administration CPAP during the initial stabilization period in the delivery room.
- Formulated CPAP clinical Practice Guidelines.
- Formulated the resuscitation form to monitor the compliance.
- Provided the Radiant warmer to DR ( built-in T-piece resuscitator).
- Provided the CPAP supplies & neopuff circuits.
- NICU Staff training on how to use the T – piece Resuscitator.
- Initiated CPAP Initiation campaign on 1st April 2021.

## OUTCOMES

