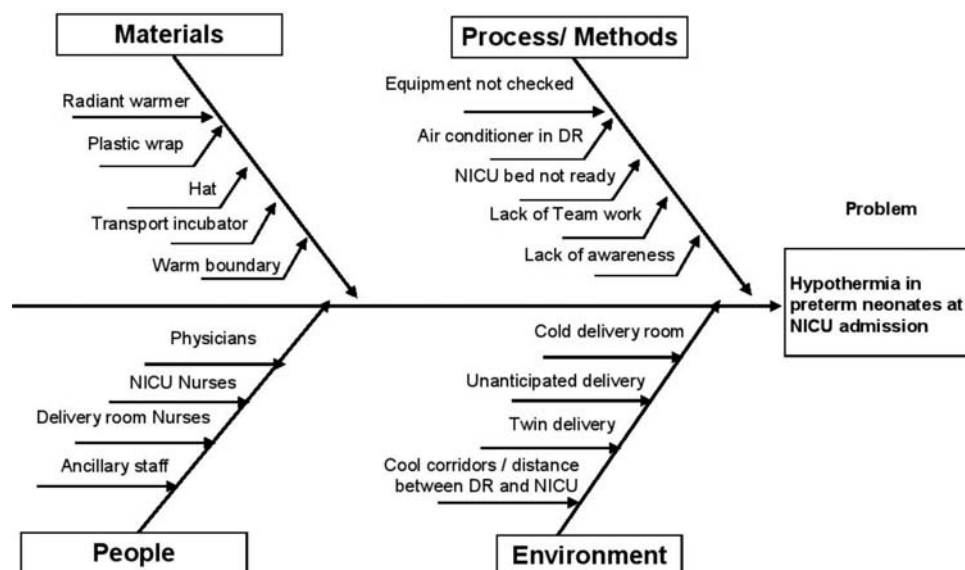
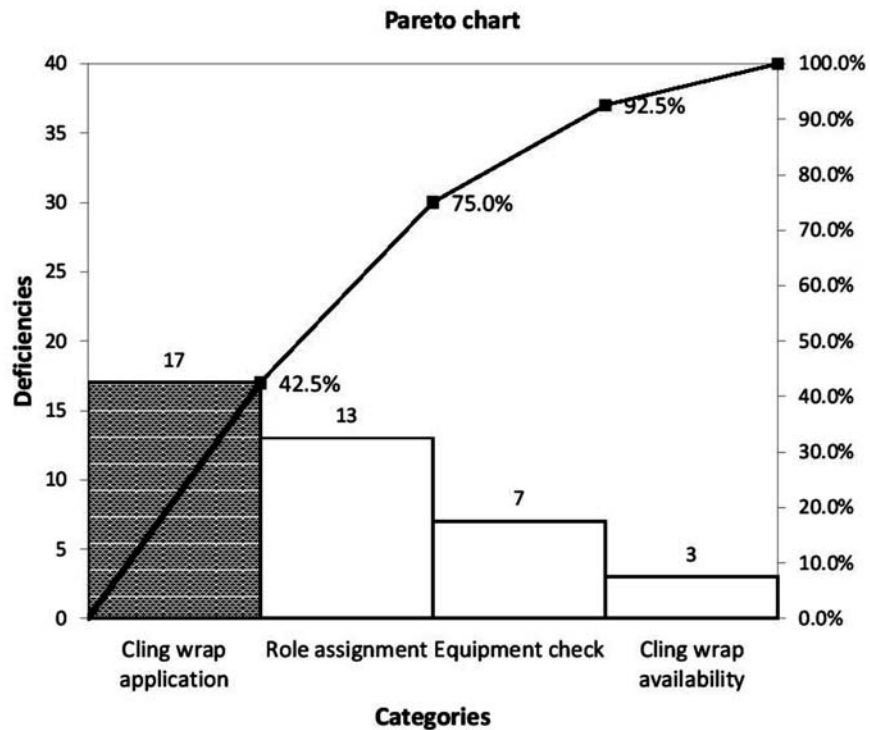


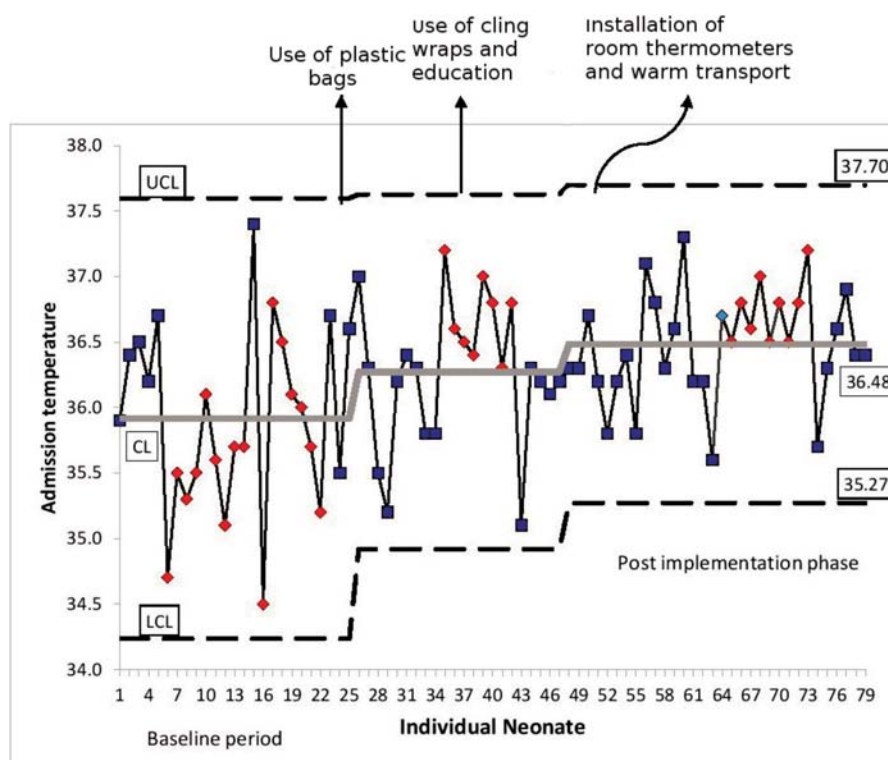
WEB TABLE 1 LIST OF VARIOUS QI PROJECTS UNDERTAKEN AT AIIMS NEONATAL INTENSIVE CARE UNIT

<i>Quality improvement project</i>	<i>QI tools used</i>	<i>Key learning points</i>
Improving the rate of hand-hygiene in the unit	Simple before after study where interventions were implemented in steps	<ul style="list-style-type: none"> • Did not use QI methodology but motivated staff to strive for improvement
Improving exclusive mother's milk feeding rates among preterm neonates	Fish bone analysis Interventions done in PDSA cycles Run charts to study improvement	<ul style="list-style-type: none"> • Entire QI could be done with available resources • Front line workers can drive the change movement themselves if empowered
Improving life of radiant warmer probes in NICU	5 whys PDSA cycles Run charts	<ul style="list-style-type: none"> • Involve all members who influence an improvement as partners in QI • Front line workers not only can contribute change ideas but initiate and drive QI
Prevention of admission hypothermia among preterm neonates	Fish bone analysis Pareto chart PDSA cycle Run charts Statistical process control charts	<ul style="list-style-type: none"> • Where problems need a multi-pronged approach or a bundle of interventions, one can simultaneous test 2 or 3 change ideas in a PDSA • To sustain an improvement, changes in the system need to be implemented
Reducing breastfeeding problems at discharge	Fish bone analysis PDSA cycle p-chart	<ul style="list-style-type: none"> • Tracking process measures is as important as studying outcomes.

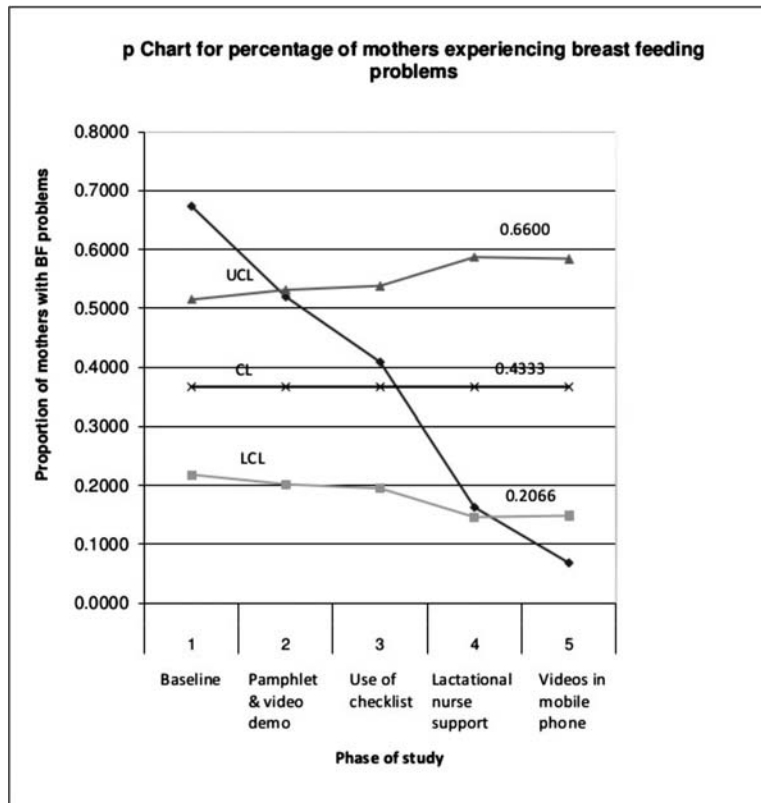
**WEB FIG. 1** Fish bone diagram showing possible contributors to admission hypothermia in a preterm neonate.



WEB FIG. 2 The Pareto chart shows the few defects causing most of the problems. The Y-axis shows the frequency of deficiency identified in each of the categories.



WEB FIG. 3 Statistical process control chart of admission temperatures of all neonates enrolled in the study. UCL: Upper control line (+ 3 SD), LCL: lower control line (-3 SD), CL: Control line (mean).



WEB FIG. 4 *p*-chart showing the proportion of mothers with breastfeeding problems at discharge during various phases of *QI*. *UCL*: Upper control line (+ 3 *SD*), *LCL*: lower control line (-3 *SD*), *CL*: Control line (mean).