

HUB AND SPOKE MODEL PAPER: SUPPLEMENTARY FIGURES

1. Time-series graphs of facility quality improvement projects

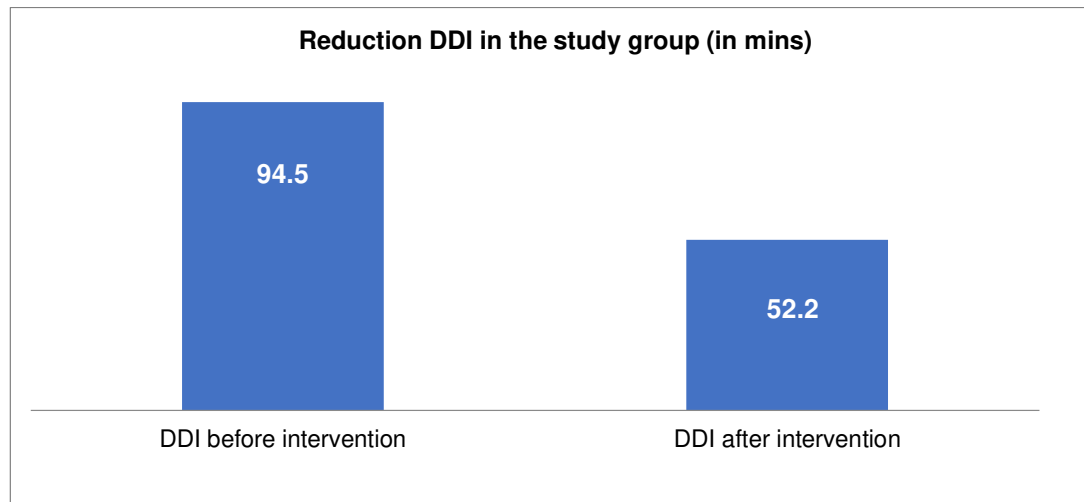


Figure1A: Reduction in decision-to-delivery interval in LSCS cases in Obstetrics OT of rural RMC.

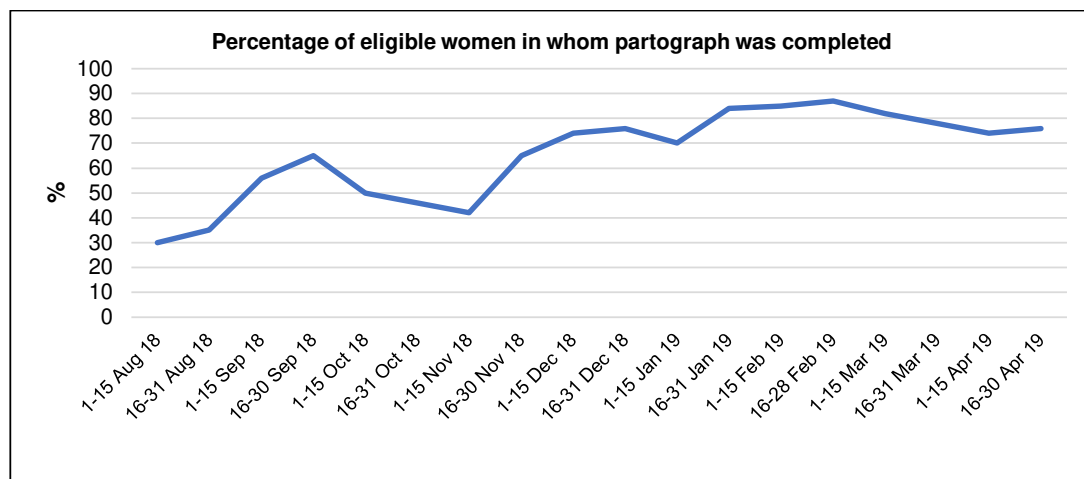


Figure 1B: Percentage of eligible pregnant women in whom e-partograph was completed in labor room of rural RMC.

Figure 1D: Percentage of sick babies being breastfed in NICU of rural RMC.

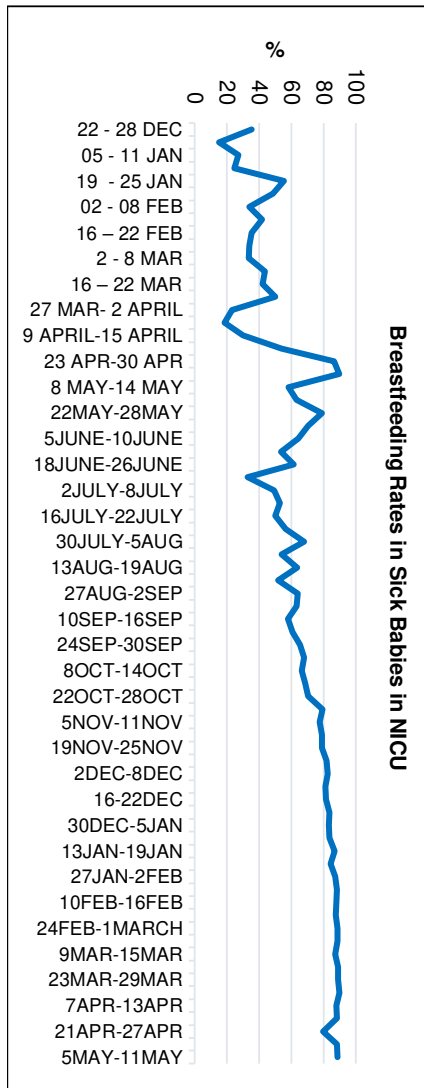
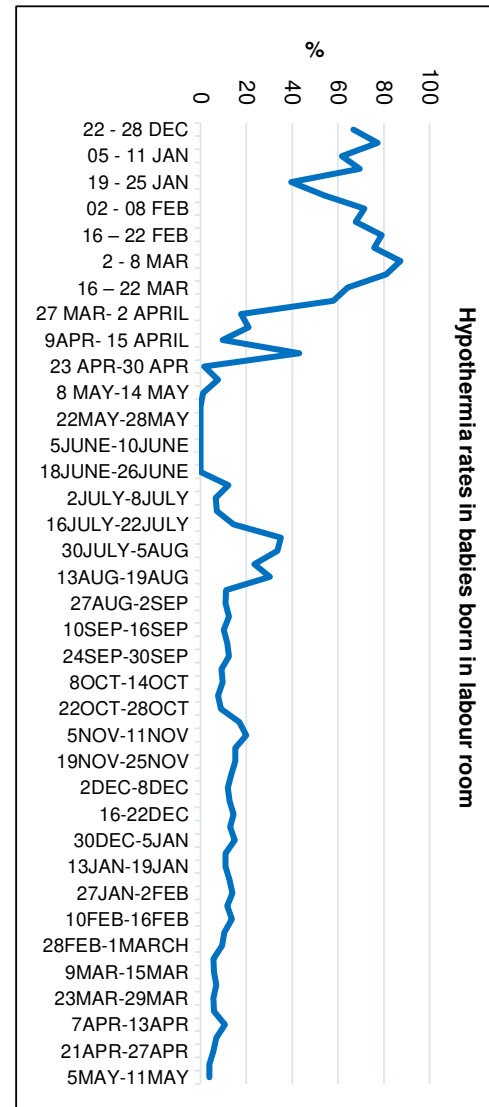


Figure 1C: Percentage of babies experiencing hyperthermia in labor room of rural RMC.



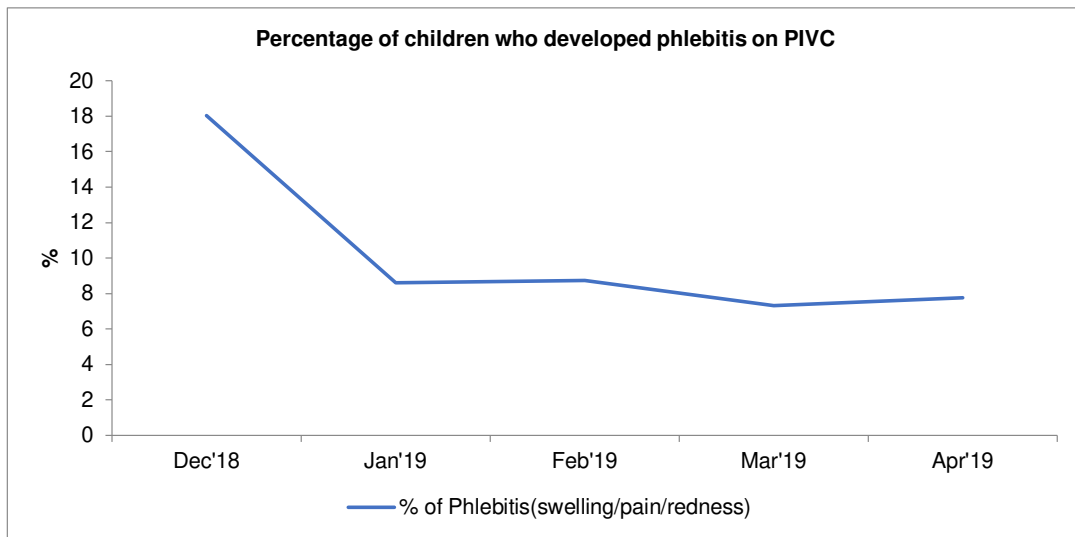


Figure 1E: Percentage of children who developed phlebitis on Peripheral IV Catheterization (PIVC) in PICU of rural RMC.

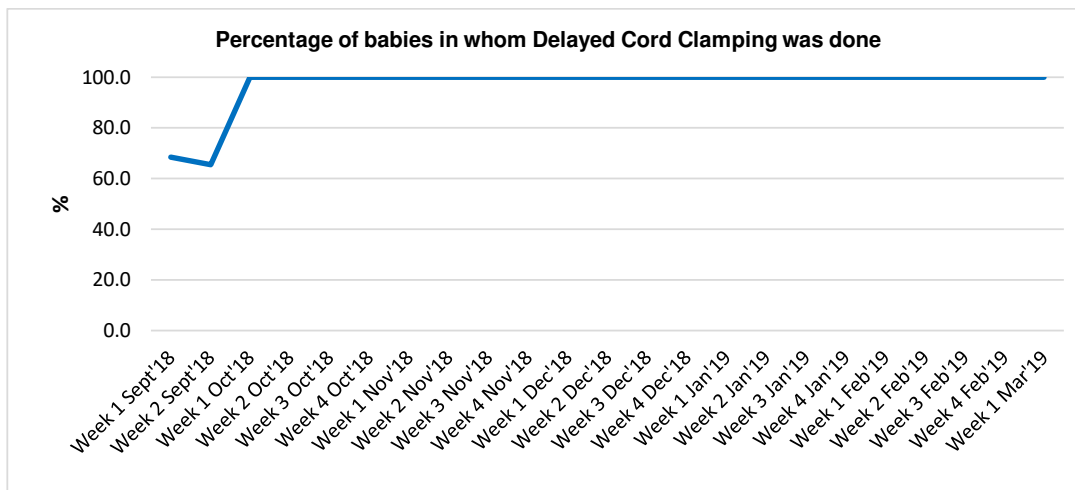


Figure 1F: Percentage of babies who had delayed cord clamping at labor room of rural facility R1.

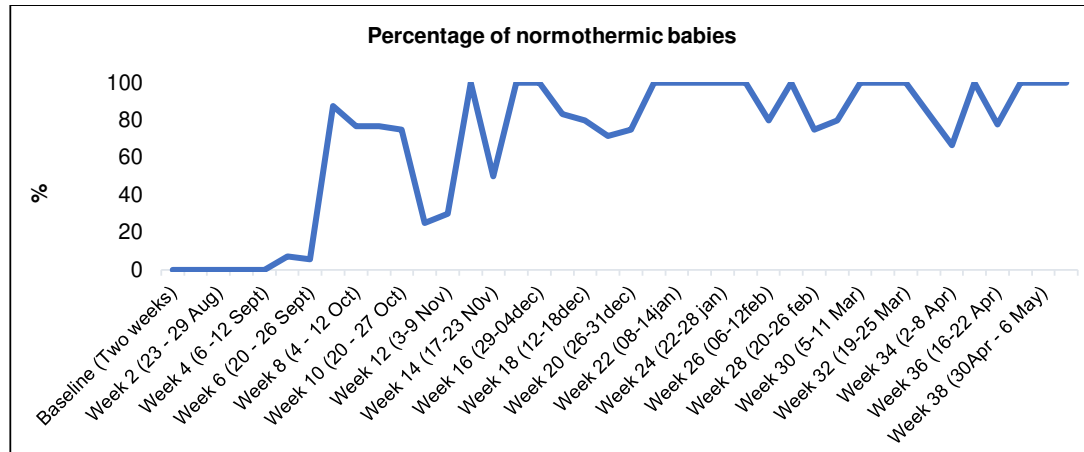


Figure 1G: Percent babies who were normothermic at rural facility R2.

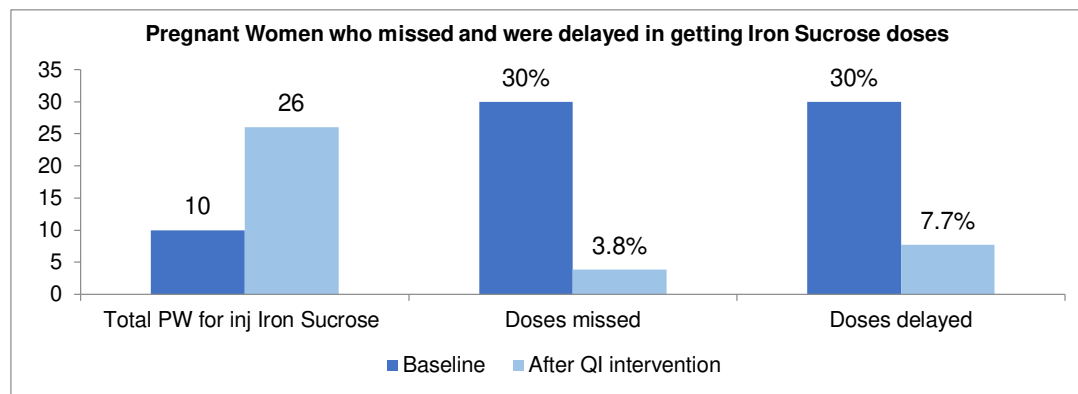


Figure 1H: Reduction in rates of missing/delaying in Iron Sucrose injections to Pregnant Women (PW) at rural facility R3.

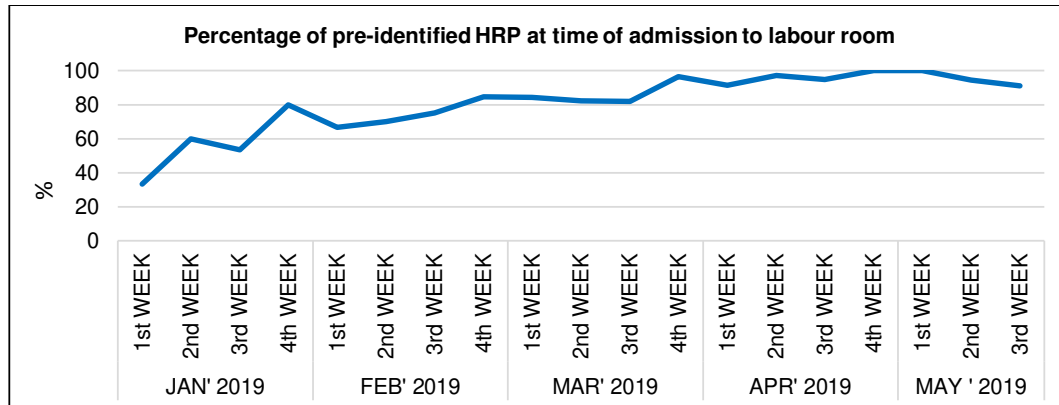


Figure 1I: Percentage of pre-identified HRP at time of admission to labor room of urban facility U1.

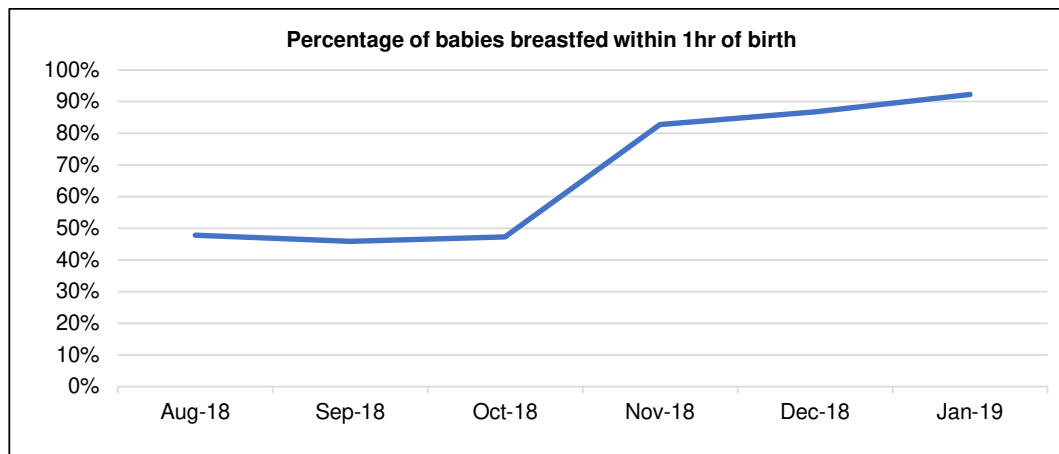


Figure 1J: Percentage of babies receiving breastfeeding within 1-hour of birth at urban facility U2.

2. Figure showing comparison of mortality statistics (maternal deaths, infant deaths and still births) of rural and urban districts implementing the hub and spoke model for years 2017-18 and 2018-19. The graph shows the data from a year (2017-18) prior to the start of implementation of this model (2018-19). As can be seen from this graph, there seems to be no direct correlation between the QI interventions undertaken by the facilities and their impact on these indicators. This could possibly be due to the fact that this exercise was primarily focussed on building QI skills of facility teams, establishing a QI linkage between facilities in a district and identifying factors that affect these.

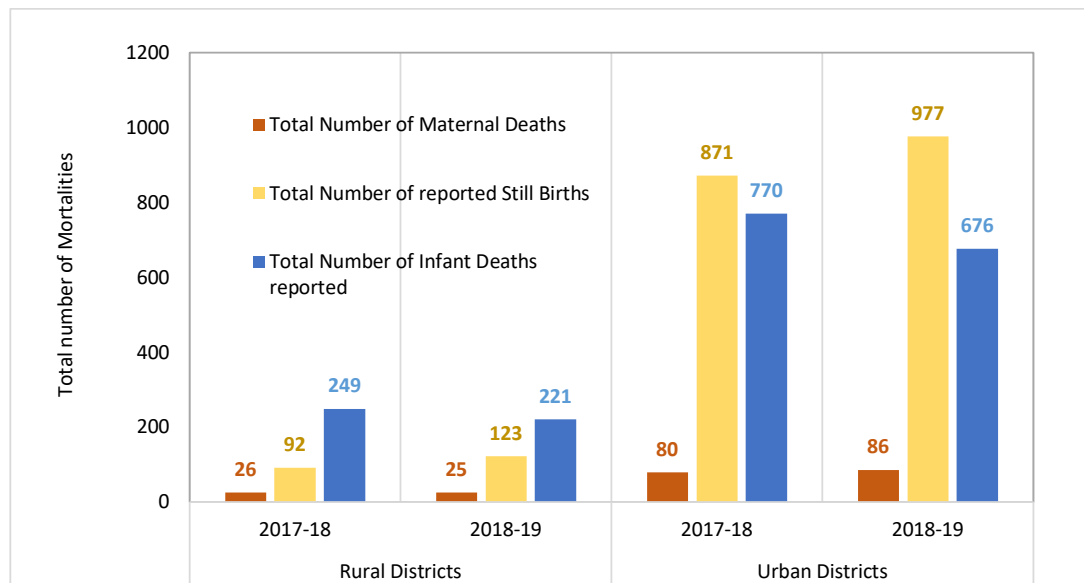


Figure 2: Comparison of indicators in Rural and Urban districts (2017-18 & 2018-19)