All babies < 30 days should be fed with Mother's Own Milk (MOM) during their

hospitalisation in Ward 56

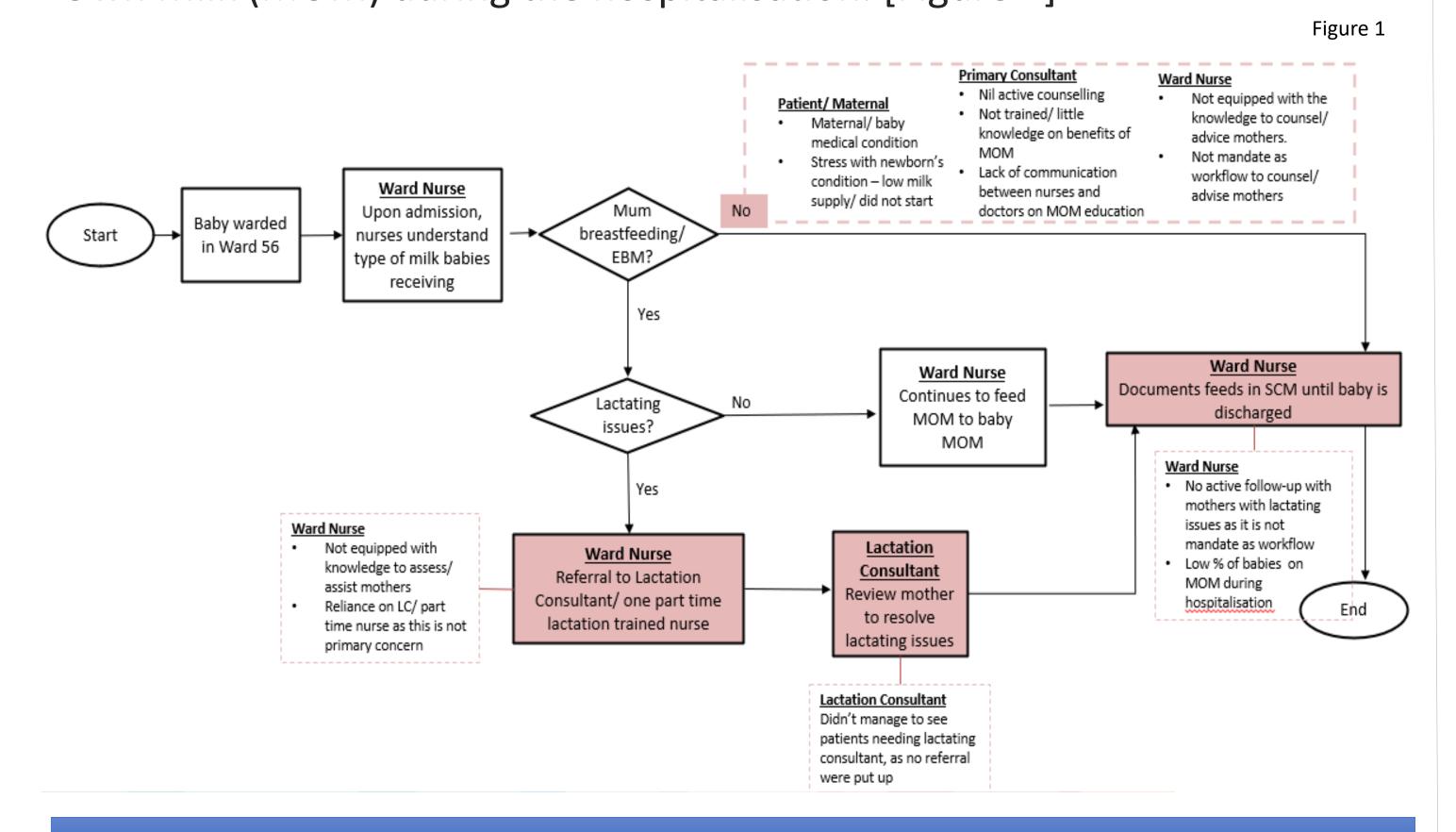




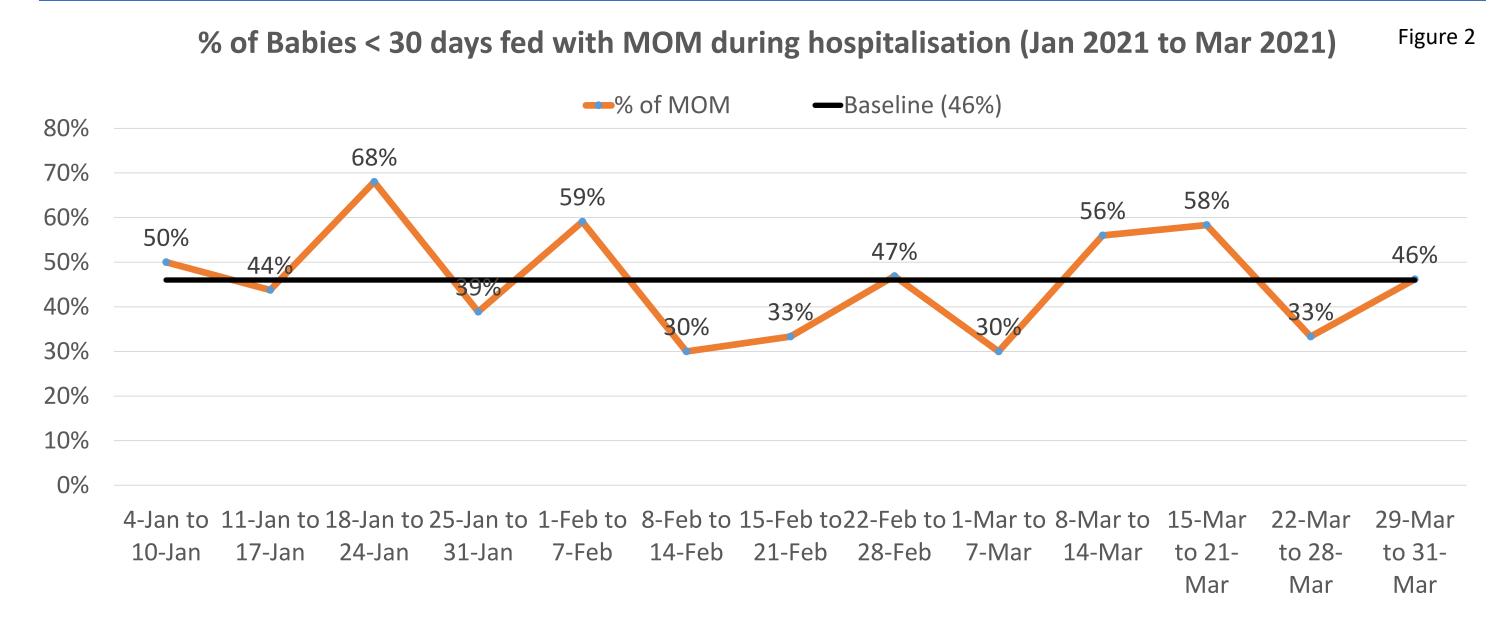
Leads: Dr Carolin Joseph Jeyanthi¹, Department of General Paediatric Medicine, Ms Thenmoli Shanmugam², Ward 56 Dr Chow Wen Hann³, Department of General Paediatric Medicine Ms Olivine Tan⁴, Nursing Clinical Service, Ms Sun Kuixian⁵, Ward 56 Ms Chai Lai Heng⁶, Ms Hasnizah Hassim Khan⁶, Ms Estella Goh⁶, Ms Tarvender Kaur⁷ (All Ward 56) Ms Tan Jin Ting⁵, Ms Shamini D/O Krishnan⁵ (both Lactation Service) Sponsors: Ms Cynthia Pang⁸, Ms Vannaja⁸ (both from Division of Nursing), A/Prof Oh Jean Yin¹, General Paediatric Medicine Jeslyn Neo⁹, Bernard Wong ¹⁰ (both from Quality, Safety and Risk Management)

Background

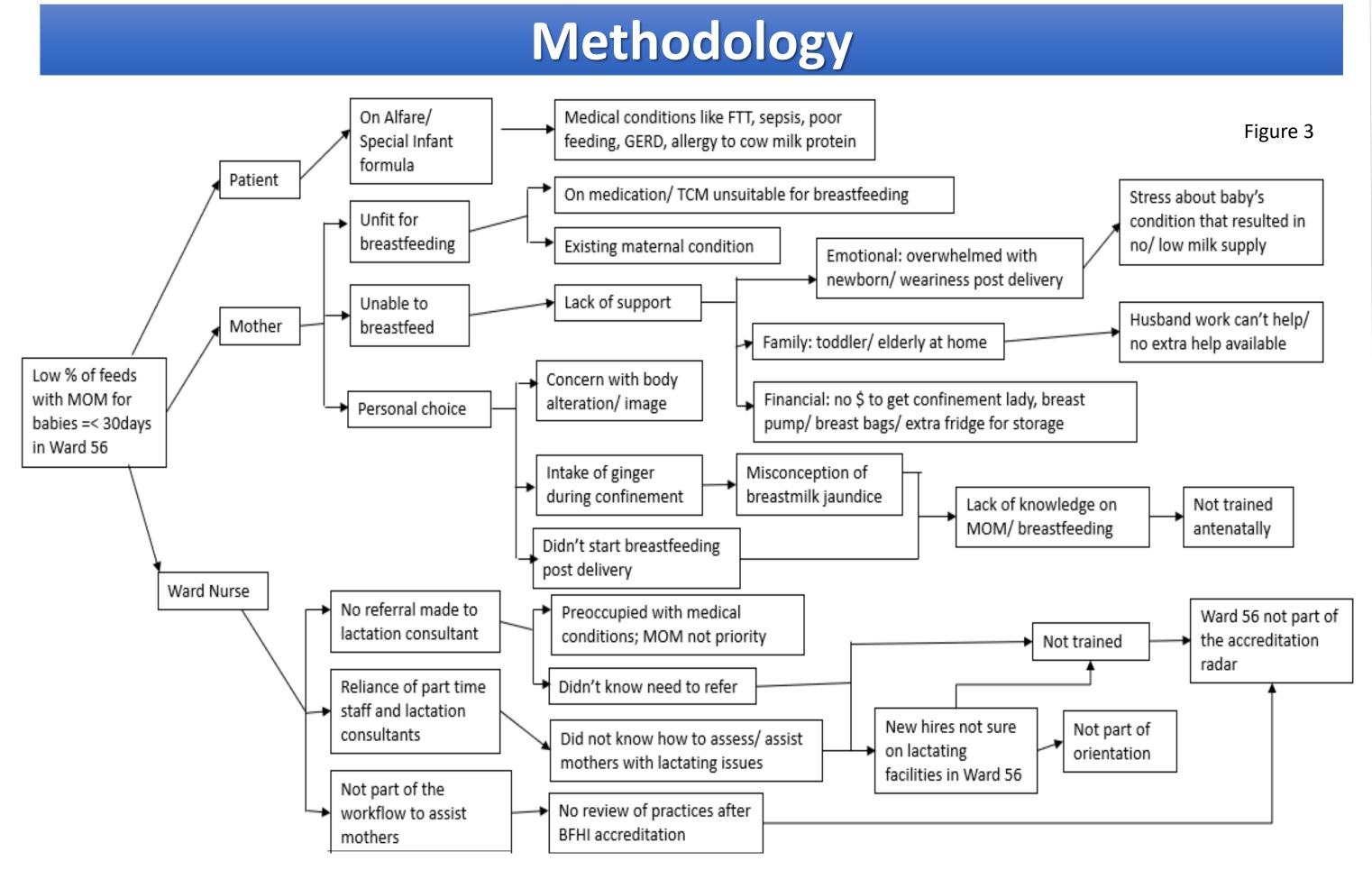
As a baby friendly hospital, mothers are encouraged to breastfeed their babies throughout their hospitalisation at KK women's and Children Hospital due to its numerous health benefits. However, the team observed that only 46% of babies under 30 days old received Mother's Own Milk (MOM) during the hospitalisation. [Figure 1]



Problem & Aim



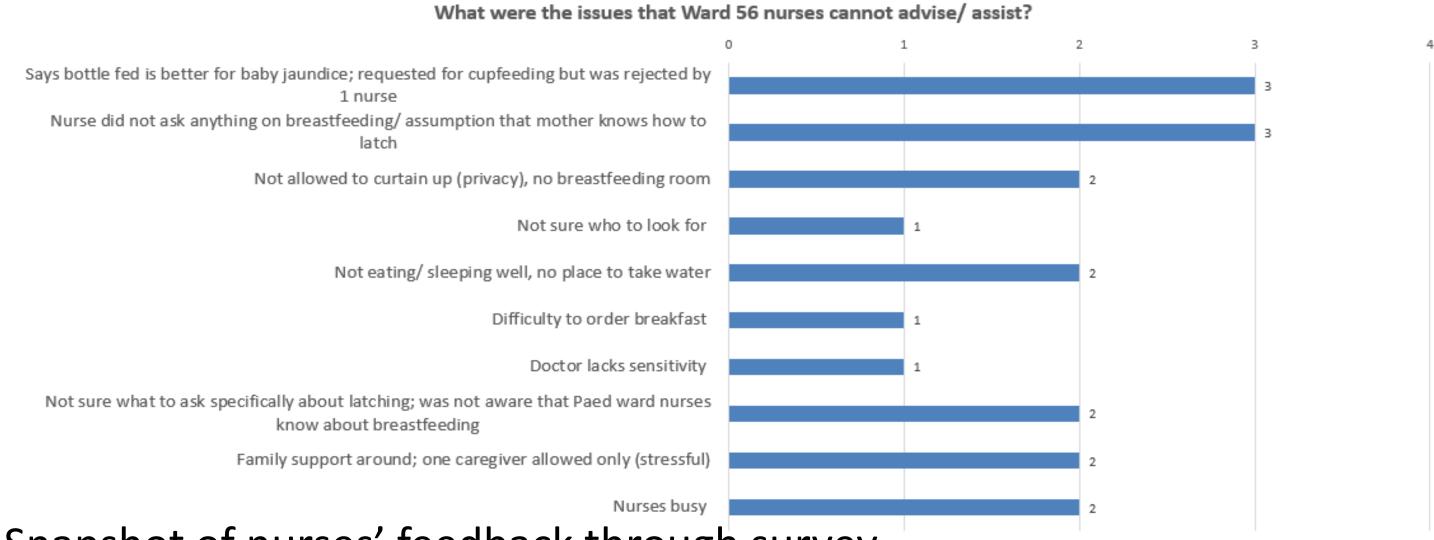
A 3-months data for the total number of feeds in Ward 56 is extracted from Jan to Mar 2021 and presented weekly. The median % of babies < 30 days fed with MOM during hospitalization was 46% [Figure 2]. The aim was to improve MOM feeding rate in babies under 30 days old during their hospitalisation in Ward 56 from 46% to 70% within 12 months (project was halted due to COVID-19 for a year).



Team used the tree diagram[Figure 3] to illustrate the root causes in which they were verified by conducting surveys among mothers (n=32) and nurses (n=40) to further understand their challenges and needs.

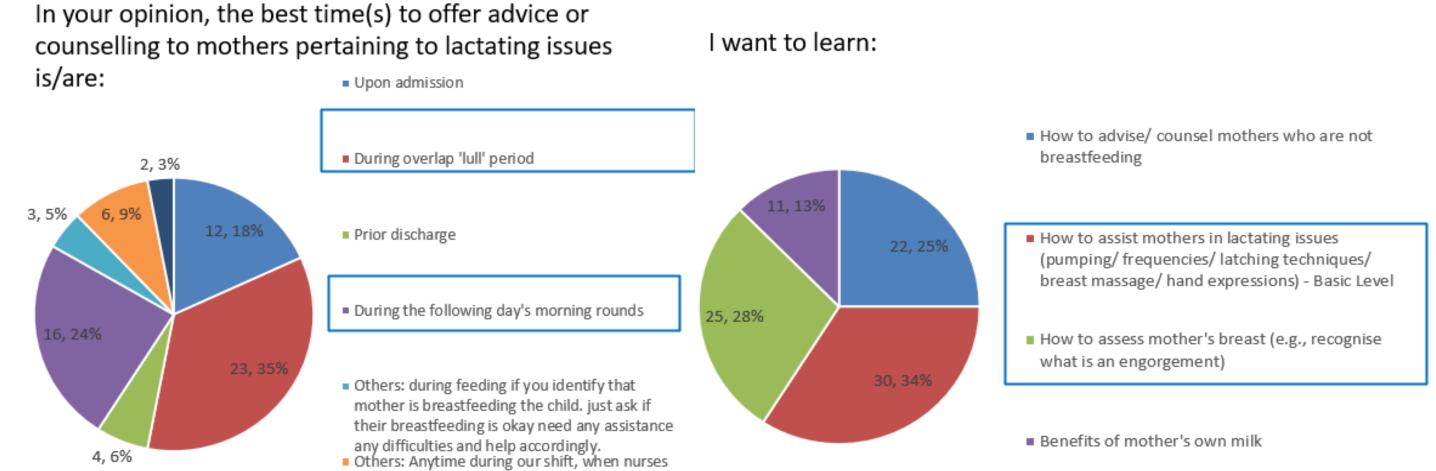
Methodology

Snapshot of mothers' feedback through survey

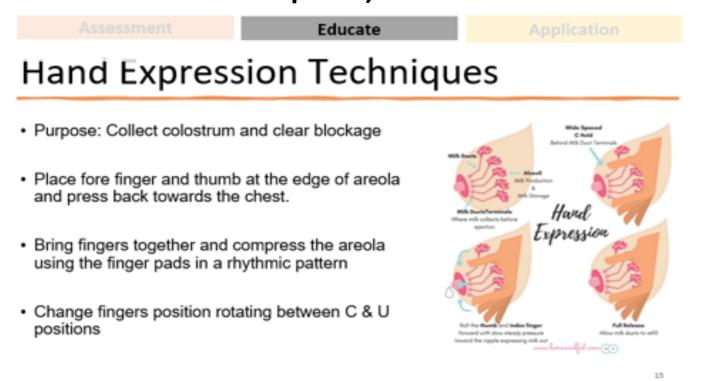


Snapshot of nurses' feedback through survey

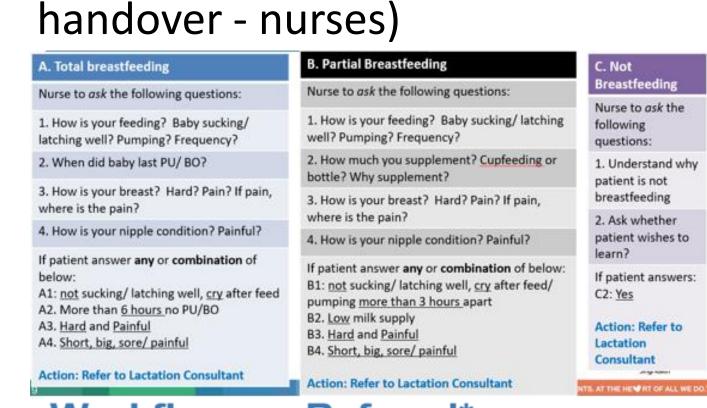
are free or during nursing rounds

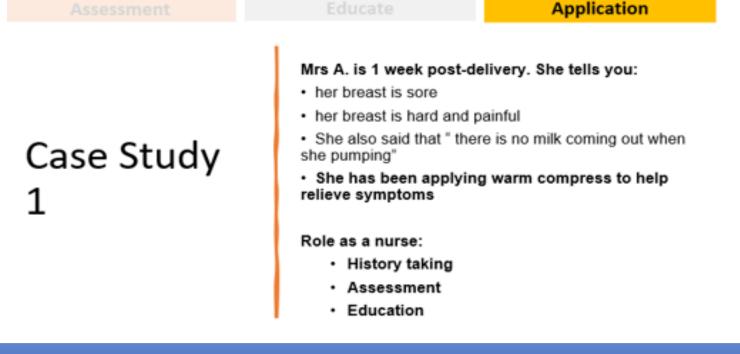


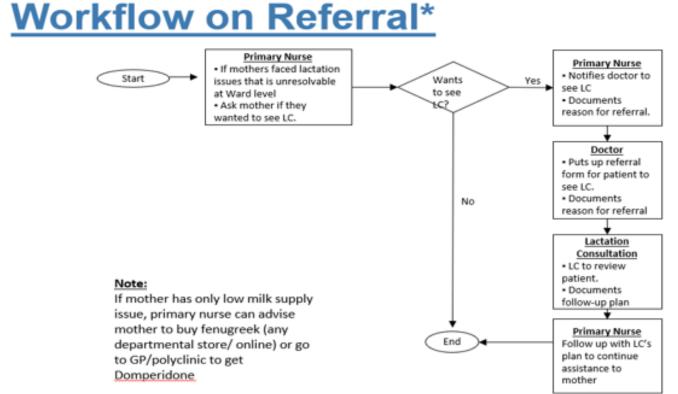
PDSA cycle 1 - (Revised workflow for healthcare providers, training for nurses, new workflow for referral developed)



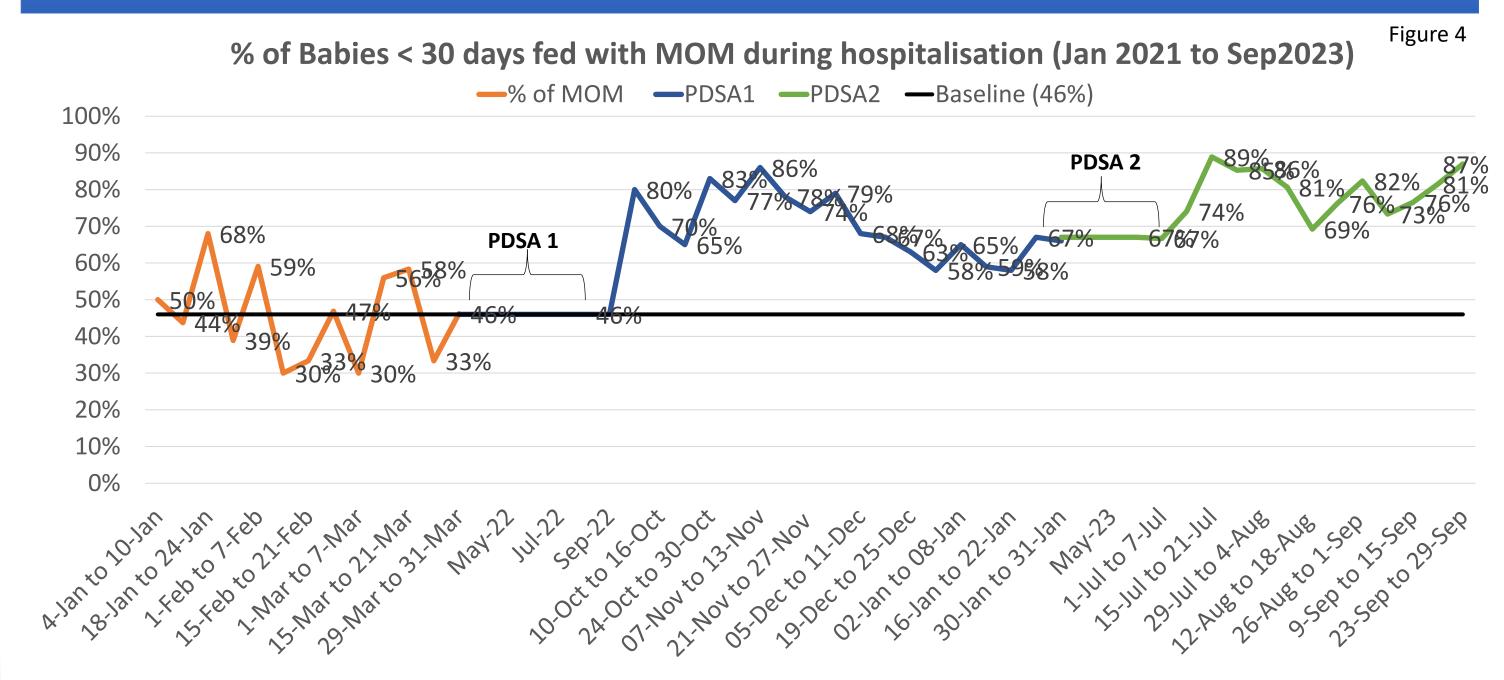
PDSA cycle 2 - (Refinement of training content and referral workflow; documentation for







Results and Conclusion



Data analysed from 1 Oct 2022 to 31 Jan 2023 illustrated an improvement of the median % of babies < 30 days fed with MOM during hospitalization improved from 48% to <u>68%.</u> From 1 Jul 2023 to 29 Sep 2023; this % improved further to 76%. The overall improvement was 74%.

QI interventions including breast milk feeding education/training and early referral to lactation consultants could significantly improve MOM feeding rate in sick young babies during hospitalization.