

30–60–90 Day Action Plan: Implementing a Streamlined AAP Hypoglycemia Algorithm Using Glucose Gel

ABP MOC Part 4 Alignment: This project is structured as a Quality Improvement activity that meets the American Board of Pediatrics (ABP) Maintenance of Certification (MOC) Part 4 requirements through systematic data collection, iterative testing, and outcome measurement.

Overall Aim Statement

To implement glucose gel-based management for neonatal hypoglycemia in the well newborn setting in order to reduce avoidable NICU admissions and increase exclusive breastfeeding rates, aligned with AAP guidance and CDC ChAmps Cheer goals.

SMART Aim Example (ABP MOC Part 4)

Within 90 days, our institution will reduce NICU admissions for hypoglycemia among at-risk term and late-preterm infants by 25% and increase exclusive breastfeeding at discharge by 10%, without increasing readmissions or delayed treatment requiring IV glucose.

Days 0–30: PLAN & ALIGN

- Identify a project lead and multidisciplinary QI team (physician, nursing, pharmacy, lactation, QI).
- Review baseline data on NICU admissions for hypoglycemia and breastfeeding outcomes.
- Define target population and pilot location (e.g., well newborn nursery).
- Review and adapt the standardized AAP hypoglycemia algorithm with glucose gel.

Days 31–60: BUILD & PREPARE

- Finalize protocol approval and pharmacy logistics for glucose gel availability.
- Integrate protocol into EMR order sets and documentation workflows.
- Educate nursing, providers, and lactation staff; validate competencies.
- Identify and train local clinical champions.

Days 61–90: IMPLEMENT, STUDY & ADJUST

- Launch pilot and perform Plan–Do–Study–Act (PDSA) cycles.
- Measure process, outcome, and balancing metrics.
- Review data regularly with frontline staff and leadership.

- Refine workflow and prepare for spread or scale.

ABP MOC Part 4 Required Measures

- **Outcome Measures:** NICU admissions for hypoglycemia; exclusive breastfeeding at discharge.
- **Process Measures:** Appropriate glucose gel use; protocol adherence.
- **Balancing Measures:** Readmissions; length of stay; escalation to IV glucose.

This document may be used as supporting documentation for institutional or collaborative ABP MOC Part 4 quality improvement projects.