

**2026 Davee Foundation Lecture
and Resident Research Day**

Abstract

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Title: Anemia and Lead Screening Rates Among Pediatric Patients at Erie Clinic

Background: Iron deficiency anemia and lead exposure are common and preventable health concerns in early childhood. Timely screening allows for early detection and intervention, yet screening adherence varies across clinical settings. Erie Clinic recently implemented a new pediatric screening protocol to improve compliance with recommended hemoglobin and lead testing at 9 months of age.

Objective: To evaluate the impact of the newly implemented screening protocol on hemoglobin and lead screening rates among pediatric patients at Erie Clinic and to identify barriers to timely screening for patients who did not receive testing at the recommended age.

Methods: A retrospective comparison of pediatric screening rates was conducted using the SlicerDicer data extraction program. Screening completion for hemoglobin and lead testing at 9 months of age was analyzed for patient cohorts from the current year and the previous year, representing post- and pre-implementation periods of the new screening protocol. Additional chart review and workflow evaluation were performed to assess potential reasons for missed screenings among patients who did not complete recommended testing.

Results: [Results pending.] Preliminary analysis focuses on changes in screening rates following protocol implementation and identification of common factors contributing to missed screening opportunities.

Conclusion: This study aims to determine whether implementation of a standardized screening protocol improves adherence to pediatric anemia and lead screening guidelines. Understanding the barriers to timely screening may inform targeted quality improvement interventions to further enhance preventive care delivery and health outcomes in this population.