

Improving follow up of anemia screening laboratory results at pediatrics visit

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Disclosures

All authors have nothing to disclose.

Introduction

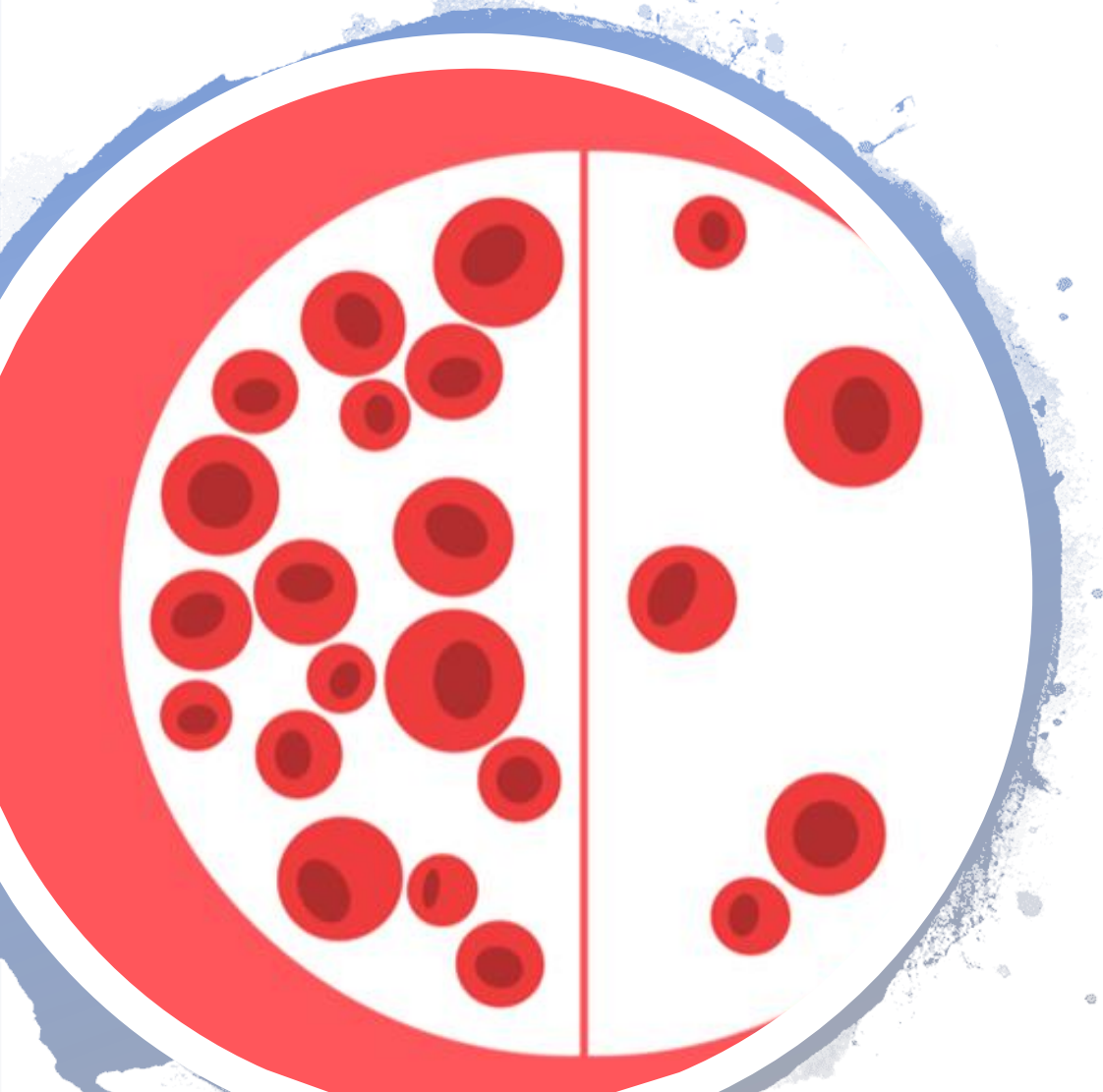
- Anemia screening is wide implementing at well-child visits.
- Little data is available regarding how the results of anemia screening are followed up.

Primary aim:

Increase documentation of laboratory results follow-up to **60%** for complete blood counts (CBC) drawn at 1-year-old well-child visits by 03/01/2020 at East Carolina University Pediatric Outpatient Clinic.

Secondary aim:

100% follow-up of abnormal CBC results and decrease the average length of time for documentation to **2 days**



Methods

- The quality improvement project was implemented via PDSA cycles (figure 1).
- Retrospective data collection was completed via chart review.
- A total of 179 test results were analyzed.

Primary outcome: The percentage of interpreted and documented results.

Secondary outcomes: The percentage of documented abnormal lab results, and the length of time until documentation.

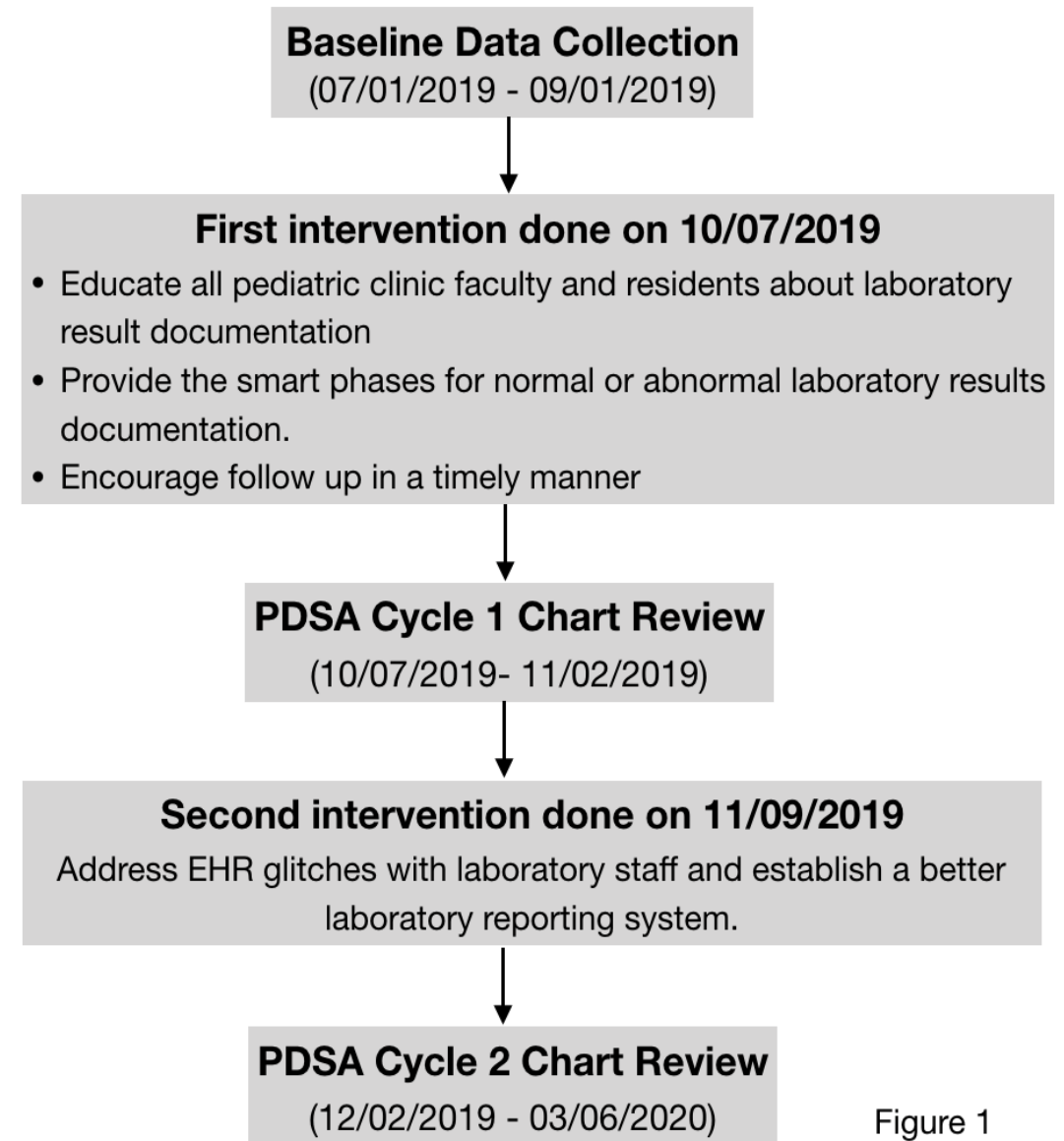


Figure 1

Results

	Baseline	PDSA Cycle 1	PDSA Cycle 2
The number of lab results	65	45	69
Labs followed up percentage	32.2%	66.7%	76.8%
The number of abnormal labs	14	2	8
Abnormal labs followed up percentage	85.7%	50%	75%
Average length of time until result note	3.45 days	2.92 days	1.93 days

Results

By March 1st 2020:

- The percentage of documented results follow-up increased from 32.2% to 76.8%.
- The average length of time of documentation decreased from 3.45 days to 1.93 days.
- Our interventions did not result in 100% follow up of abnormal CBC results.

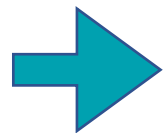
Conclusion

This QI project:

- Improved the percentage of anemia screening results interpretation and documentation.
- Decrease the average length of time between the result and the documentation.

For future research:

Implement changes to the EHR system



Notify physicians of outstanding lab results that do not have documentation