

## DEFINE

### BACKGROUND

The Department of Gynecology observed an upward trend in specimen errors reported by Laboratory personnel. The Gynecology department attempted several PDSA (Plan-Do-Study-Act) cycles to address reported lab quality events, but these efforts were unsuccessful. Consequently, a quality improvement project was initiated in collaboration with Quality and Education Laboratory leadership.

### GAP IN QUALITY

During the period from May 2022 to April 2023, 21 patient safety errors were reported and reviewed. These errors constitute the sample size for this project.

### AIM STATEMENT

The aim was to identify the top two types of errors reported and reduce these errors by 50% in the post-improvement window without impacting the length of clinic appointment times.

## MEASURE

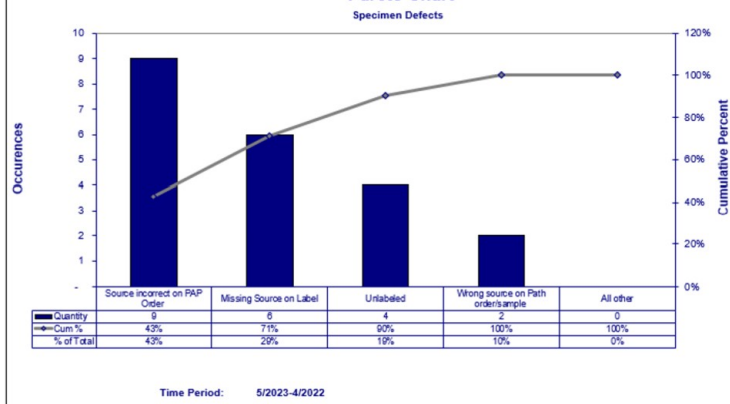
### IMPROVEMENT MEASURE BASELINE AND SAMPLE SIZE

Patient safety errors were reported and reviewed in GYN.

#### Specimen Defects

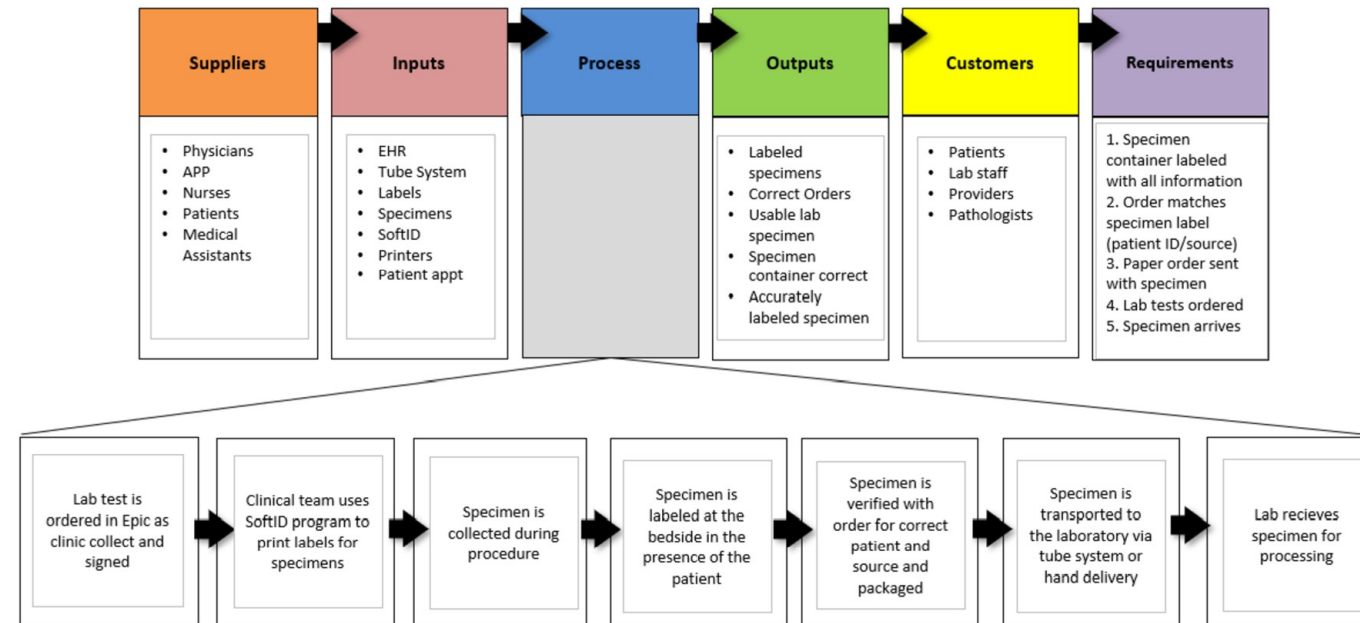
Category	Quantity
Missing Source on Label	6
Source incorrect on PAP Order	9
Unlabeled	4
Wrong source on Path order/sample	2

#### Pareto Chart



## ANALYZE

### POTENTIAL CAUSES



## IMPROVE

### INTERVENTIONS SELECTED AND TESTED

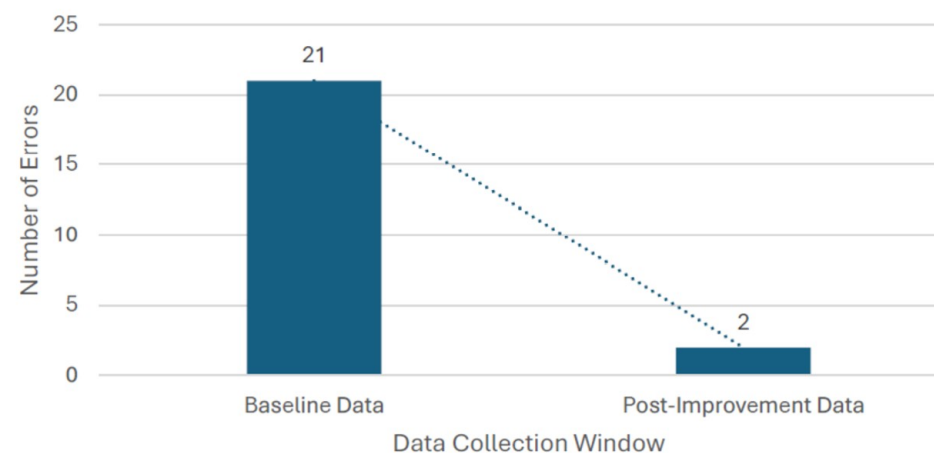
Interventions were selected based on the greatest impact at the lowest cost.

- Creation of standardized pre-saved orders in the EHR for all providers and staff.
- Creation of larger, pre-printed labels with the most common sources utilized in the department.

### POST-IMPROVEMENT

		Standardized Pre-Saved Orders	
		Yes	Maybe
Impact	Major		
	Minor	Maybe	No
		Effort	
		Easy to Do	Difficult to Do

### GYN Specimen Labeling Errors



## CONTROL

### LESSONS LEARNED

Employees expressed great satisfaction in no longer searching for lost specimens, decreased phone calls, and decreased order entry time.

Financial benefits included decreased non-billable patient care as well reduced re-work and overall improved interdepartmental communication.

Ancillary benefit was a decrease in incorrect diagnostic vs screening pap smear orders with standardized orders.

### COMMUNICATION AND HANDOFF

Continue with provider education for efficacious use of EHR and guidance of pre-saved orders.

Continue with nursing bi-annual refresher, in-service regarding the new labeling system.

Continue to document patient safety errors for review and reporting to quality.

Plan for an annual audit to ensure there has not been a relapse.

## ACKNOWLEDGEMENTS

Thank you to our Gynecology team for collaborating and adopting the recommended changes to workflow.

## REFERENCES

- Bell, S. K., Harcourt, K., Dong, J., DesRoches, C. M., Hart, N., Liu, S. K., ... Bourgeois, F. (2023). Patient and family contributions to improve the diagnostic process through the OurDX electronic health record tool: a mixed method analysis. *BMJ Quality & Safety*, 33, 597–608. <https://doi.org/10.1136/bmjqs-2022-015793>
- Da Rin, G. (2009). Pre-analytical workstations: A tool for reducing laboratory errors. *Clinica Chimica Acta*, 404(1), 68–74. <https://doi.org/10.1016/j.cca.2009.03.024>
- DesRoches, DrPH, C., Bell, MD, S., Thomas, MD, E. J., & Delbanco, MD, T. (2024). The clinician-patient relationship in the era of information transparency. *UpToDate*.