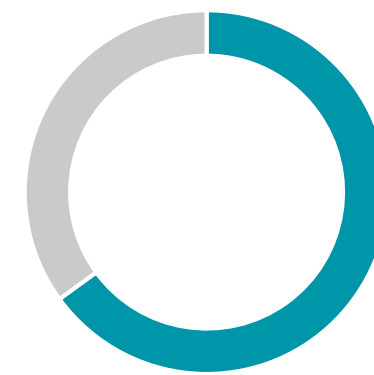


Standardizing Patient Handoffs between Anesthesia Trainees on Labor & Delivery

Christine Chen, MD, Aileen Pan, MD
Department of Anesthesiology, Cedars Sinai Medical Center

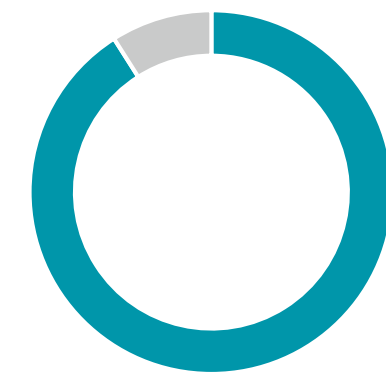
BACKGROUND

- There is no standardized sign-out method in obstetric anesthesia between trainees
- Nearly 7000 deliveries occur annually at our tertiary care hospital
- Structured handoff tools increase the rate of handing over sick patients by nearly threefold
- Busy service requires efficient handoff method without missing crucial information, but learners (with varying experience levels) have trouble identifying pertinent positives



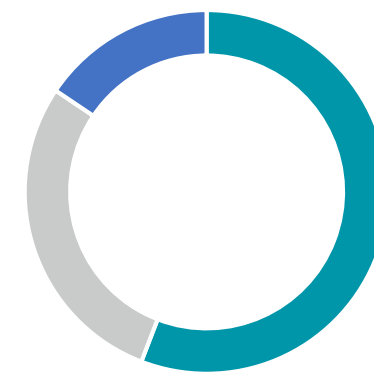
65%

Vaginal deliveries



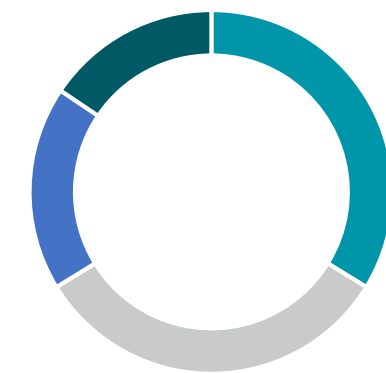
91%

Epidural utilization rate



3

Training programs



76

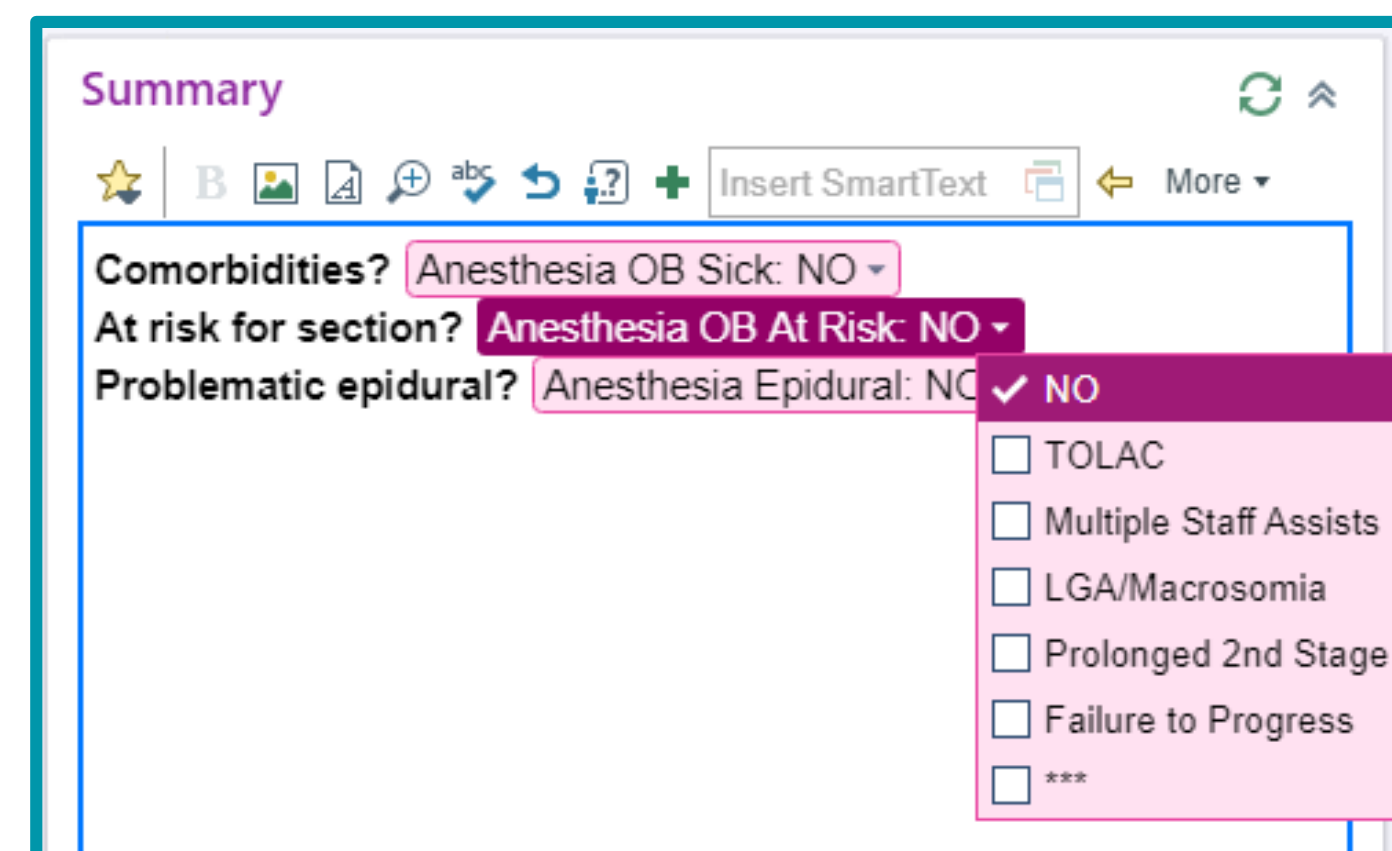
Rotators per year

Standardizing Patient Handoffs between Anesthesia Trainees on Labor & Delivery

Christine Chen, MD, Aileen Pan, MD
Department of Anesthesiology, Cedars Sinai Medical Center

METHODS

- Pre-test survey distributed to residents who had completed at least one OB anesthesia rotation
- List of pertinent positives was integrated into the EMR using charting shortcut (“SmartPhrase” in Epic)
- Shared patient list auto-updated the current census
- At the end of the month, a post-test was administered



The screenshot shows a dropdown menu for the 'Problematic epidural?' field in an Epic SmartPhrase. The menu is open, showing the following options:

- ☒ NO
- ☐ TOLAC
- ☐ Multiple Staff Assists
- ☐ LGA/Macrosomia
- ☐ Prolonged 2nd Stage
- ☐ Failure to Progress
- ☐ ***

The background text in the form includes:

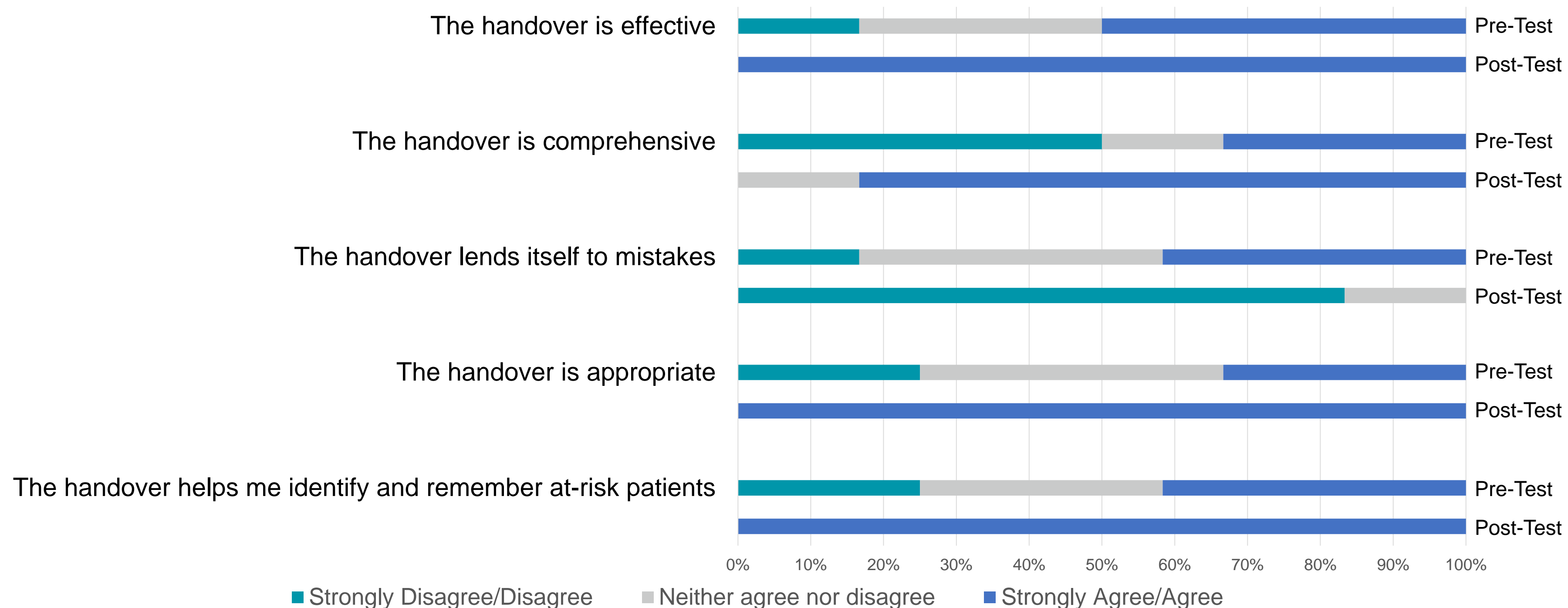
- Comorbidities? Anesthesia OB Sick: NO
- At risk for section? Anesthesia OB At Risk: NO
- Problematic epidural? Anesthesia Epidural: NO

Bed ▲	Patient Name	Age/Gender	GTPAL	GA	Cervical Exam	Membranes	Allergies	PPH Score	Epidural	Summary - Handoff
3LDR-01		34 year old / F	G3P0010	38w6d	3.5 / 60 / -2	Artificial	No Known Allergies	●	Yes	Comorbidities? HTN At risk for section? NO Problematic epidural? NO
3LDR-23		36 year old / F	G2P1001	35w1d	2 / 70 / -3	Intact	Adhesive Tape, Shrimp [Shellfish]	●	Yes	Comorbidities? Pre-Eclampsia At risk for section? TOLAC Problematic epidural? Unblocked

Standardizing Patient Handoffs between Anesthesia Trainees on Labor & Delivery

Christine Chen, MD, Aileen Pan, MD
Department of Anesthesiology, Cedars Sinai Medical Center

Figure 1. Pretest and Posttest Survey of Handoff Tool



Standardizing Patient Handoffs between Anesthesia Trainees on Labor & Delivery

Christine Chen, MD, Aileen Pan, MD
Department of Anesthesiology, Cedars Sinai Medical Center

DISCUSSION

- The intervention assists with:
 - Critical thinking skills in triaging several patients
 - Efficient communication between trainees of various experience levels, especially during an emergency
 - Providing a framework for structured handoff
- Future directions will improve user interface with additional EMR features, such as color coding

REFERENCES

1. Dharmadasa A. Int J Obstet Anesth 2014. PMID: 24656527.
2. Gabot M. AANA J 2022. PMID: 35076379.

S**Sick Patients****A****At-Risk****F****Follow-Ups****E****Epidurals**