

Beyond Pain Relief: Satisfaction and Anesthetic care in Cesarean Deliveries

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Background

- 32.1% of all births in the United States are via Cesarean Delivery (CD)¹
- Factors associated with patient satisfaction are complex
- Studies have shown that analgesia is not the only goal when undergoing CD²⁻⁴
- Main Goal: Assess which factors impact satisfaction with obstetric anesthesia care for CD

Study Designs & Methods

- Cross-sectional single site survey
- 100 patients who underwent a CD and were proficient in either English or Spanish on postpartum day 1
- Outcomes: pain during labor, itching, leg weakness, pain after delivery, shivering, anxiety, sleepiness, nausea, vomiting, and excess pain medication
- Outcomes were ranked (1; least important - 10; most important) and allotted a weighted monetary value (totaling \$100)

Study Designs & Methods

Consent	Survey	Data Analysis
100 patients who underwent CS, who were proficient in either English or Spanish, were approached on postpartum day 1.	<p>Outcomes assessed: pain during labor, pain after delivery, shivering, anxiety, sleepiness, nausea, vomiting, and excess pain medication.</p> <p>Ranking: 1 (most important) - 10 (least important).</p> <p>Weighted monetary value (totaling \$100)</p>	<p>To contextualize these findings, self-reported demographic data and clinical data were collected.</p> <p>Data analysis was conducted with SPSS.</p>

Results

Demographics	
Category	N
Ethnicity/Race	
White	42
Black/African-American	31
American Indian/Alaska Native	3
Asian	14
Pacific Islander	0
Other/Prefer Not to Answer	17
Latinx/Hispanic/Spanish Origin	35
Cesarean Section Status	
Induction	25
Spontaneous labor	22
Planned C-section	53
Insurance Status	
Commercial	71
Medicaid/Uninsured	29

Outcomes Ranked	Average Ranking	Average Dollar Amount
1. Pain during surgery	2.19	\$31.31
2. Pain after surgery	3.93	\$12.60
3. Vomiting	4.18	\$10.00
4. Nausea	4.93	\$8.20
5. Shivering Uncontrollably	5.62	\$8.28
6. Itching all over your body	5.75	\$8.12
7. Nervousness and anxiety	6.44	\$6.22
8. Excess pain medication	6.71	\$5.47
9. Leg weakness	7.53	\$4.89
10. Sleepiness during surgery	7.71	\$4.76

Conclusions

- Overall satisfaction: 89.9% (38%-100%)
- A planned CD was significantly associated with satisfaction rates: (unplanned: 85.9%, planned: 93.4%; $p < 0.001$)
- Avoidance of pain was consistently ranked as a top priority
 - Even for those who did not experience pain
- **Future aim:** Apply methodology to self-reported demographic information and expand surveys to other sites

References

1. CDC. (4.9.24). FastStats - Births - method of delivery.
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3. Anim-Somuah M et al. Epidural versus non-epidural or no analgesia for pain management in labour. Cochrane Database Syst Rev. 2018
4. Kinsella SM. A prospective audit of regional anaesthesia failure in 5080 Caesarean sections. Anaesthesia. 2008