

Parental Perspectives on Pre-Operative Counseling Regarding Pediatric General Anesthesia Exposure

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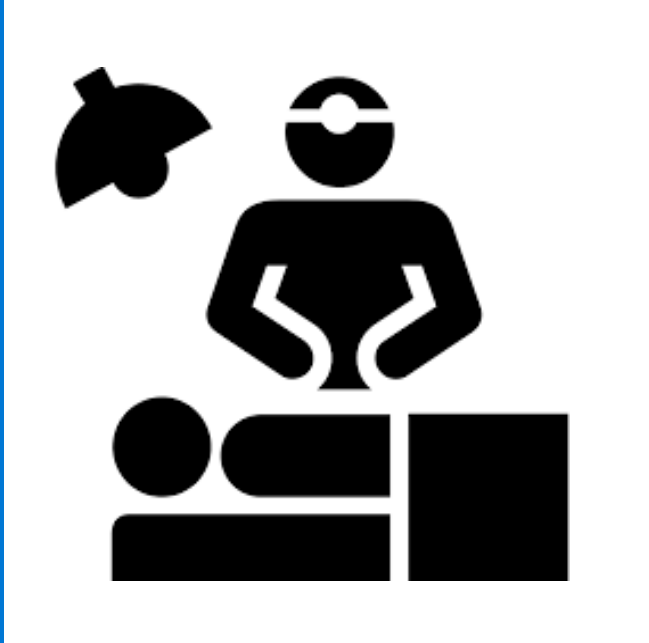
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Disclosures

- None

Parental Preferences on GA Counseling is Unknown



Surgical
interventions



General anesthesia
(GA)



Pre-op counseling

What are Parental Preferences with GA Counseling?

- Aims

- Understand which sources of information regarding GA were most helpful (especially **surgeon** vs **anesthesia**)
- How parental preferences varied based on demographics or child characteristics

Survey of Parents in the U.S.



Survey of parents

- Amazon Mechanical Turk
- Parents of children who had undergone GA prior to 6 years of age
- Invalid/incoherent responses excluded

Ranking Information Source About GA and Its Potential Effects



- **Surgeon**
- **Anesthesiologist**
- Nursing staff
- Friends/family
- Internet
- Social media
- Other

Parent/Child Demographics and Parental Health Literacy

- Parental education
- Child age at GA exposure
- Health literacy
 - High health literacy = Extremely comfortable/Very comfortable

Based on the information you receive at your doctor's office, how comfortable are you making medical decisions?

* must provide value

- ☐ Not comfortable
- ☐ Somewhat comfortable
- ☐ Moderately comfortable
- ☐ Very comfortable
- ☐ Extremely comfortable

Analysis

- Distribution of preferred source of information on GA
- Subgroup: **surgeon** versus **anesthesiologist**
- Logistic regression models assessed predictors of **surgeon** versus **anesthesiologist**

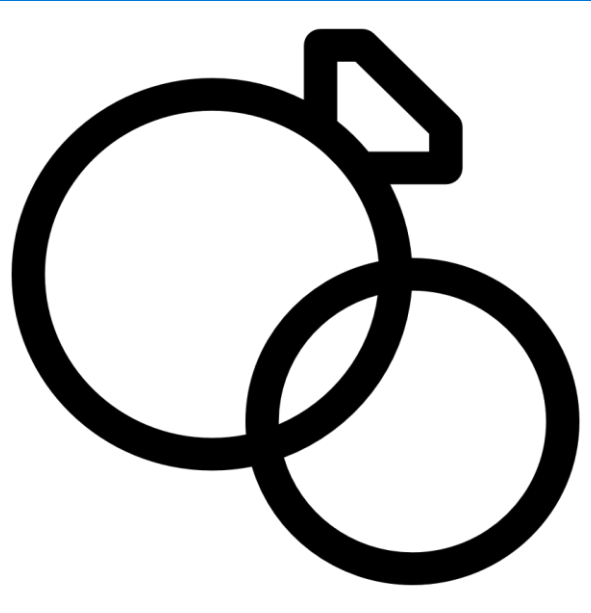
532/607 (88%)
chose surgeon or
anesthesiologist

12%

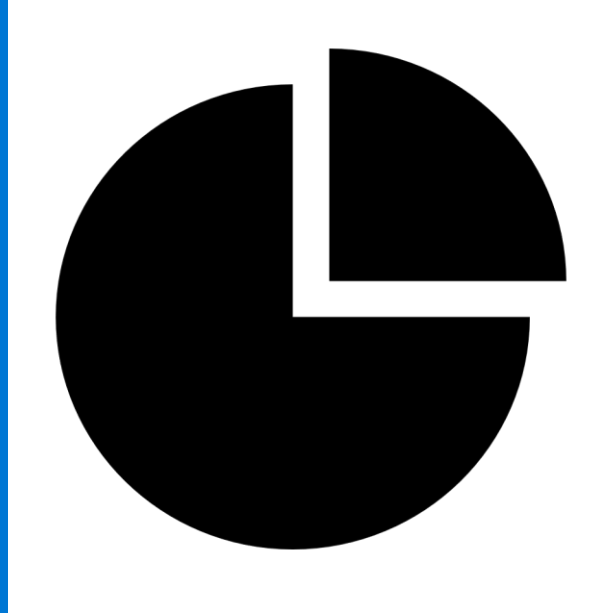
Other

88%

Surgeon/Anesthesiologist



73% married

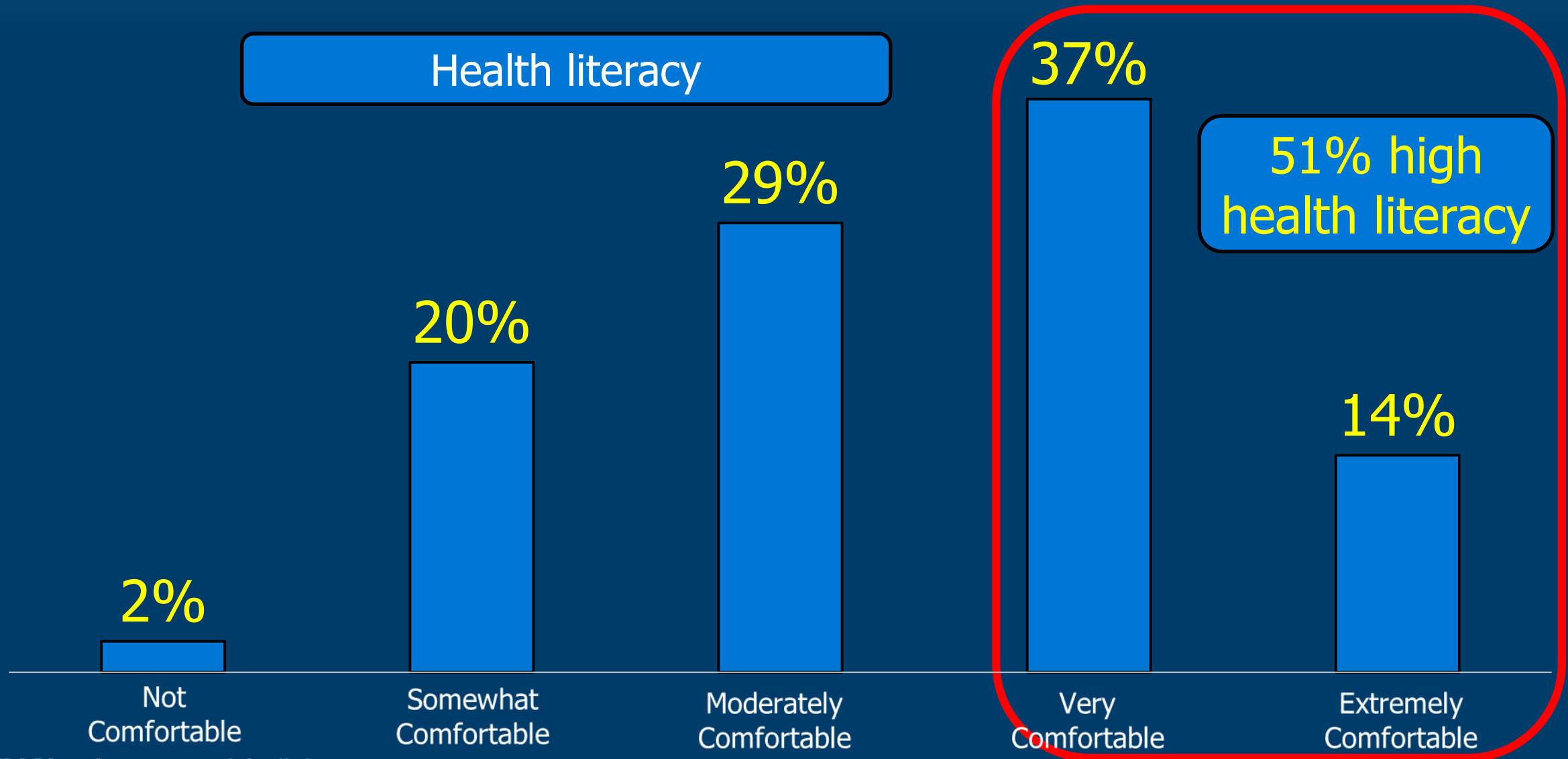


79% white

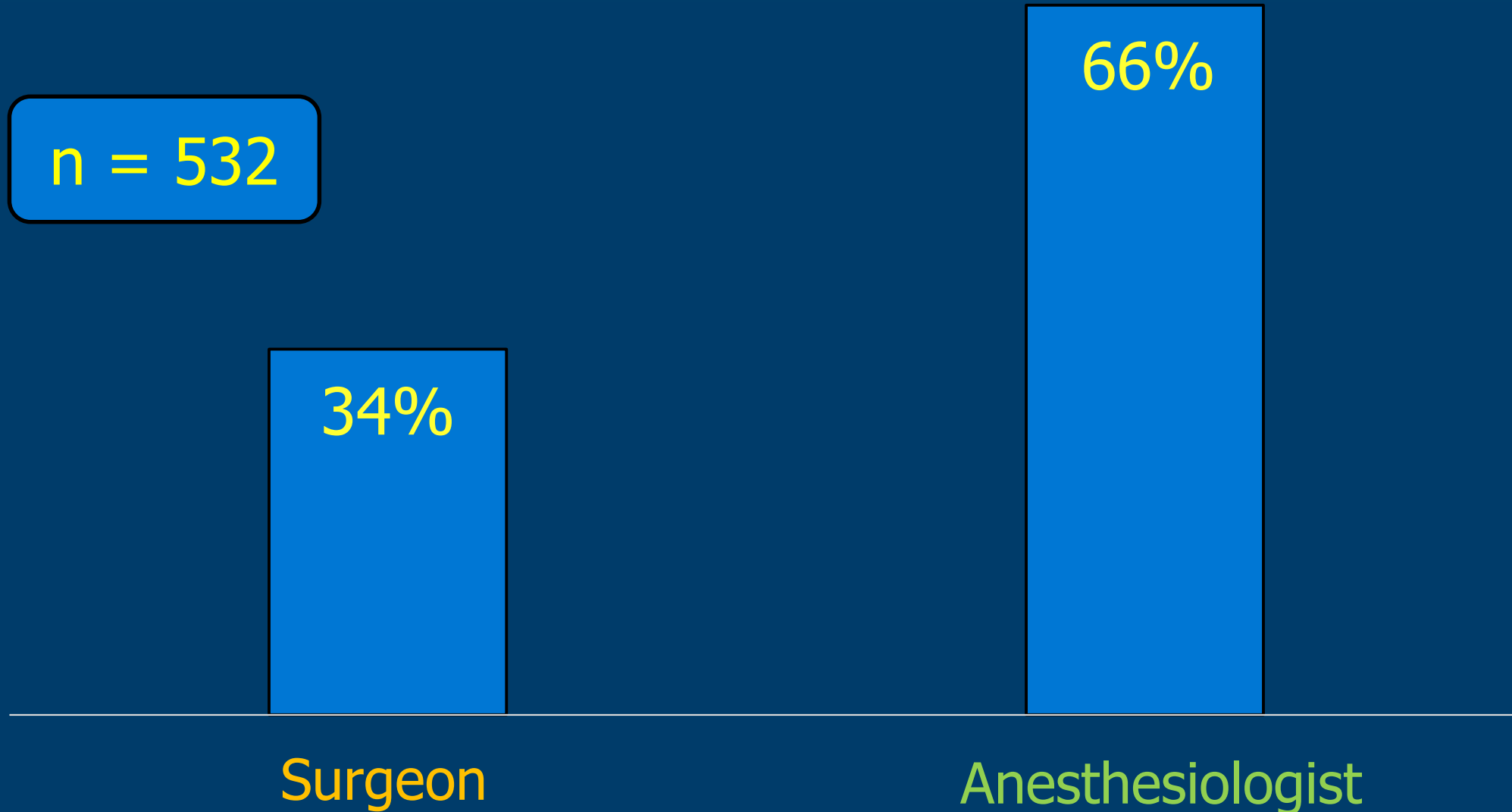


44% children less
than 2 years

Half of the Parents Reported High Health Literacy



Most Parents Preferred **Anesthesiologists**



No association was found between
surgeon/anesthesiologist preference and
parental education or child age

Lower Health Literacy Associated With Surgeon Preference

Multivariable Analysis for Counseling Source (Surgeon, vs Anesthesiologist)

Variable	Odds Ratio (95% CI) 95% CI	p-value
Health Literacy		0.02*
Extremely comfortable	Referent	
Very comfortable	0.72 (0.39-1.32)	0.29
Moderately comfortable	1.26 (0.68-2.3)	0.46
Somewhat comfortable	1.71 (0.89-3.27)	0.11
Not comfortable	1.27 (0.26-6.05)	0.77

Conclusion



2/3 **Anesthesiologist**
1/3 **Surgeon**



Lower health literacy
preferred **Surgeons**



GA counseling