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Perceptions of Pediatricians on the SARs-CoV2 Vaccine

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Introduction

The novel SARs-CoV2 coronavirus has infected approximately 30,000,000 people in the USA. To date, at least 146 million doses of SARs-CoV2 vaccines have been administered.¹

Rapid vaccine development has led to increased vaccine hesitancy.²

Parental perceptions of vaccines largely determine pediatric vaccination rates.³

Pediatric provider recommendations play an important role in parental vaccine perceptions.⁴

Vaccine Information Sources

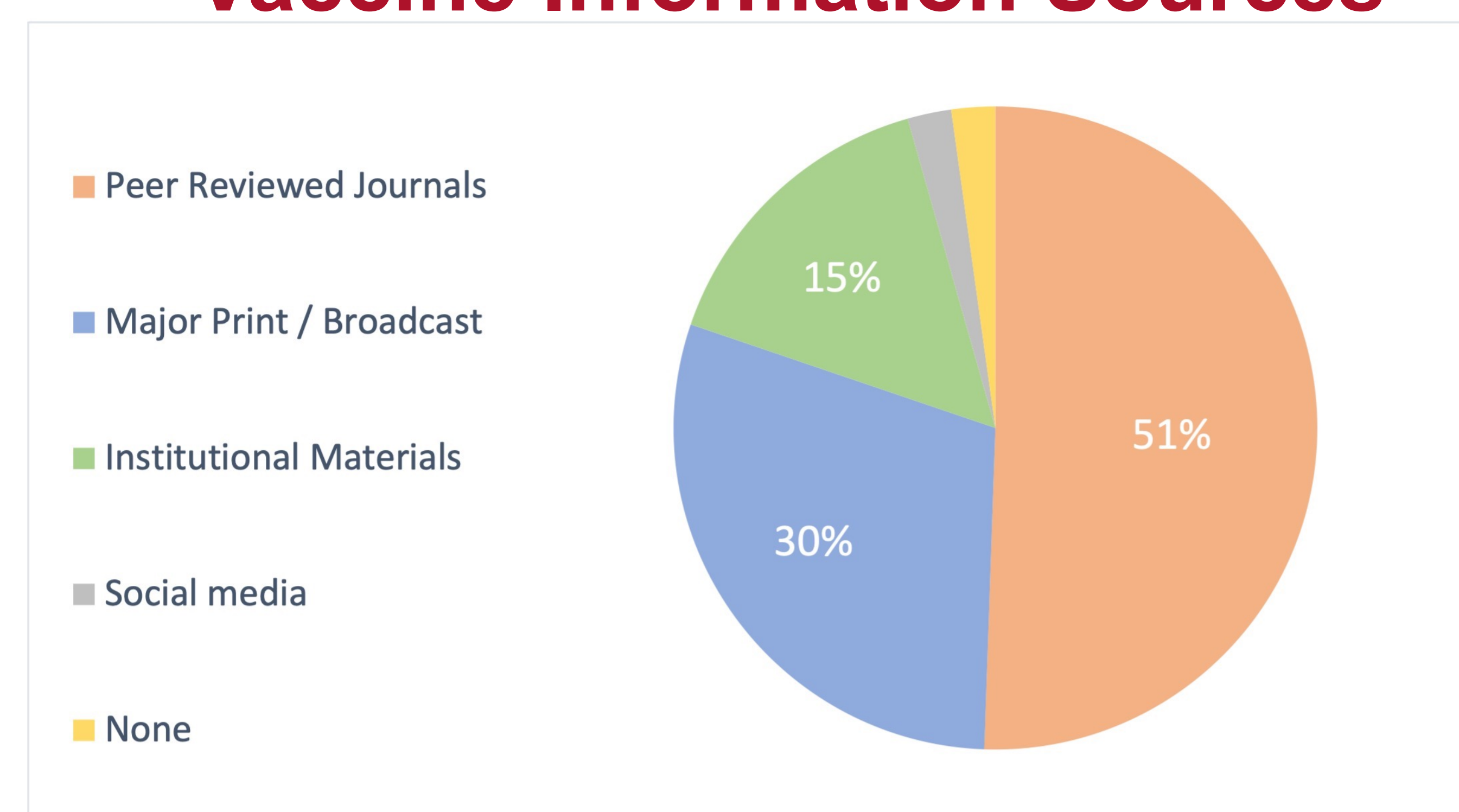


Figure 2: Information sources cited by pediatricians: peer reviewed journals (51%), major print / broadcast media (30%), institutional materials (15%), Social media (2%), None (2%). (N=90)

Thematic Analysis

1. Why recommend SARs-CoV2 Vaccination? (n=71 responses)
 - 42% - To facilitate herd immunity
 - 41% - To protect vulnerable patients
 - 37% - Favorable vaccine safety profile
2. Why recommend against SARs-CoV2 vaccination? (n=28 responses)
 - 61% - Lack of data in pediatric patients
 - 14% - History of allergic reactions

Study Population Demographics

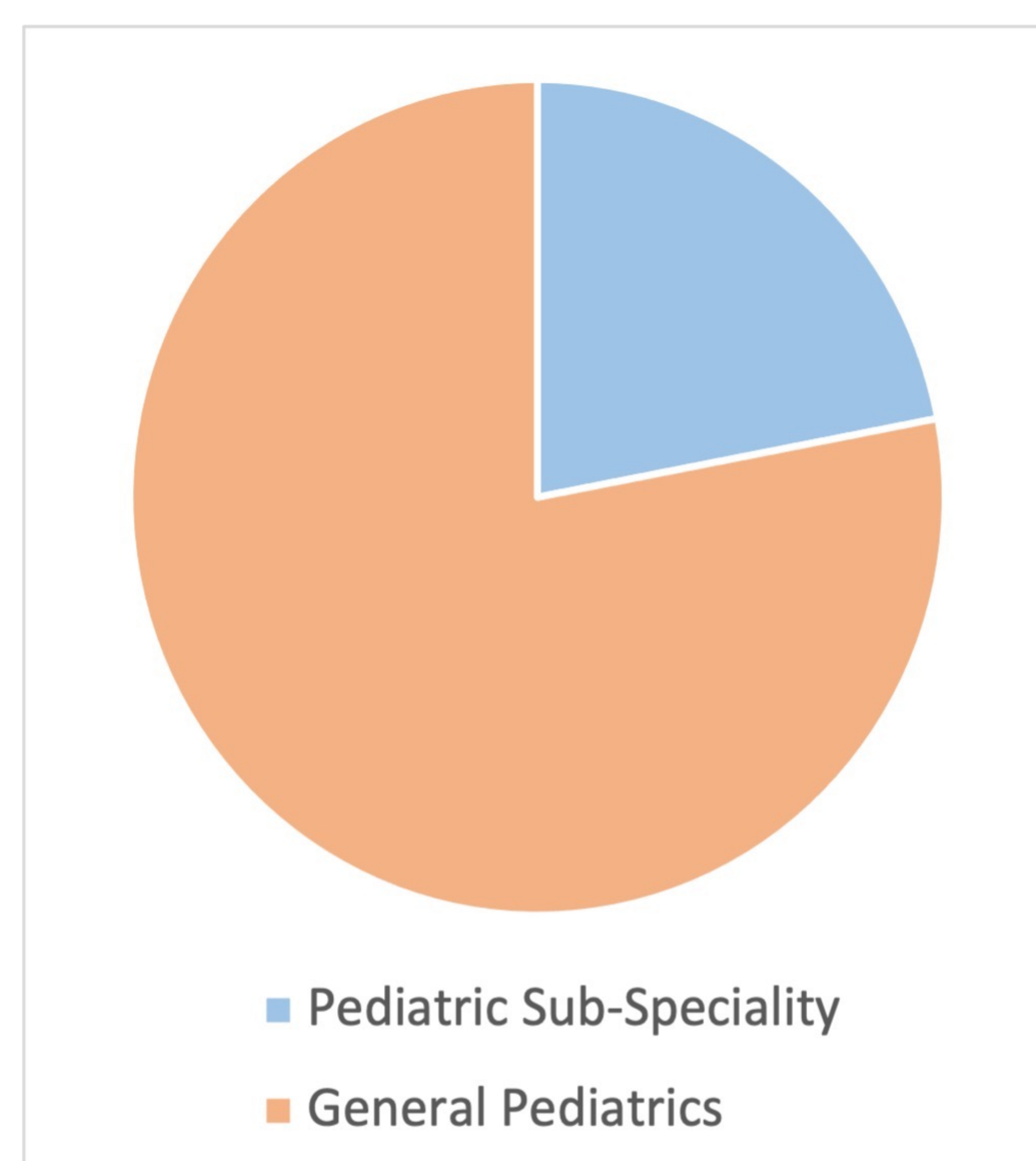


Figure 1: Physician Type 78% of respondents worked in pediatric subspecialties, with 22% working in general pediatrics. (N=90)

Vaccine Recommendations

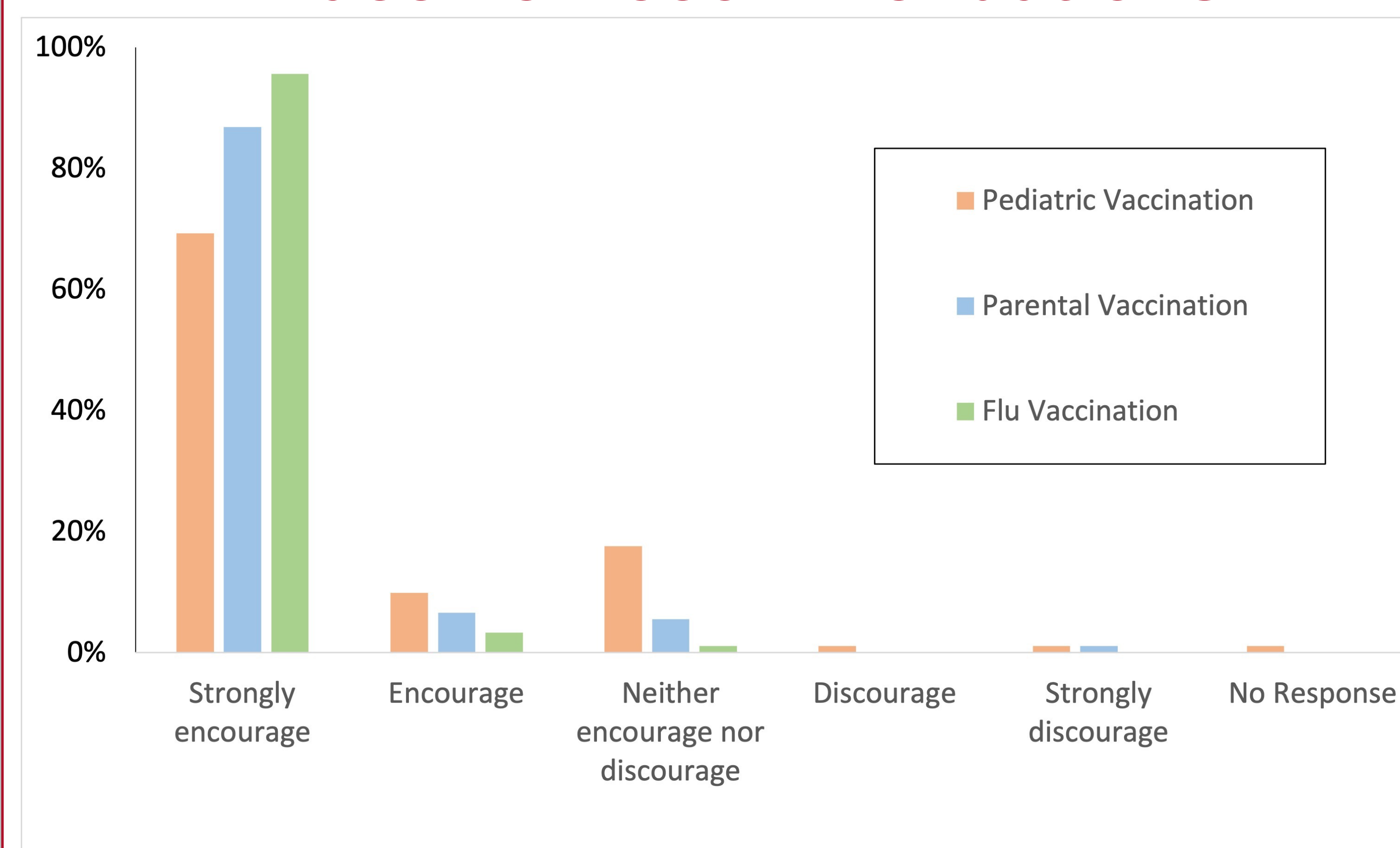


Figure 3: Physician vaccine recommendations for SARs-CoV2 vaccination in pediatric patients, pediatric patients' parents, and influenza vaccination in all patients. 67% strongly encourage pediatric SARS-CoV2 vaccination, 87% strongly encourage adult SARS-CoV2 vaccination, and 96% strongly encourage influenza vaccination. (N=90)

Conclusion

Most pediatricians strongly recommend SARs-CoV2 vaccination for pediatric patients, though not as strongly as in adults, nor as strongly as they recommend influenza vaccination.

Most pediatricians receive information regarding SARs-CoV2 vaccines from either peer-reviewed journals or major broadcast/print media.

Pediatricians recommend vaccination to facilitate herd immunity and to protect vulnerable patients. Pediatricians recommend against vaccination due to lack of data in pediatric populations.

References

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