

## Vaccine Confidence and Intention to

# Vaccinate Children against COVID-19 among Parents in Mysore, India

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## Background

- Government of India rolled out its COVID-19 vaccination program for adults in January 2021, fully vaccinating ≈70% of eligible adults in the two years¹
- A study from India in 2021 found 63.1% of parents willing to vaccinate their children<sup>2</sup> before the COVID-19 vaccine was available for their age group (12-18 years)

## **Objectives**

 Examine parents' or caregivers' intentions-to-vaccinate their children against COVID-19 and factors influencing their decision in Mysore District, India

### Methods

- From November '21 to May '22, 506 parents/guardians of children below 18 years of age, living in Mysore district, India were consented and interviewed by phone or face-to-face about:
- Their COVID-19 vaccination status,
  vaccine confidence, intention-to vaccinate their child against COVID 19, and who would influence this decision
- Multivariable logistic regression analysis examined association of influencing factors and intention-tovaccinate and was presented as odds ratios (OR) with 95% confidence intervals (95%CI)

## Methods (Contd.)

• For vaccine confidence, response to four statements<sup>3</sup> was measured, and not agreeing with even one meant having low confidence:

"Vaccines are important for children to have"

"Overall, I think vaccines are safe"

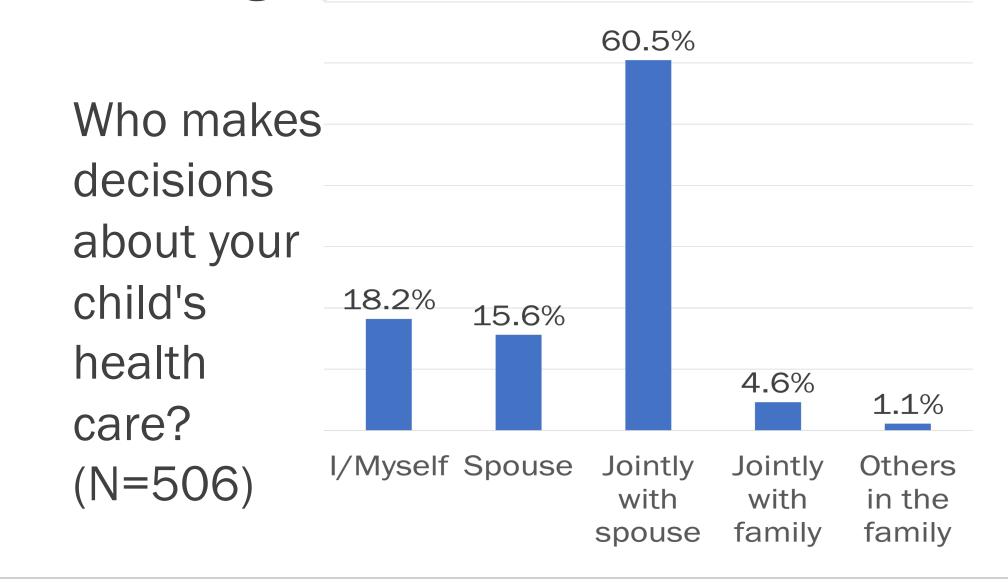
"Overall, I think vaccines are effective"

"Vaccines are compatible with my religious beliefs"

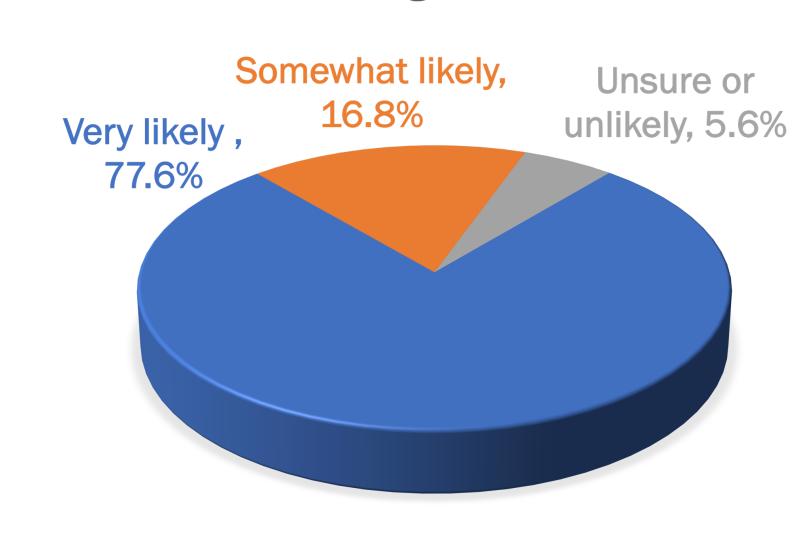
Strongly agree Strongly disagree

### Results

- Socio-demographics N(%) Relationship with child: 497 (98.3) Parent 9 (1.7) Guardian **Education level:** 458 (90.5) High school or higher Less than high school 48 (9.5) Religion: 490 (96.8) Hindu 16 (3.2) Muslim/ Christian/ Jain **Employment status:** 353 (69.8) Homemaker 149 (29.4) **Employed** Student/Retired/ 4 (0.8)
- 90.9% parents fully trusted COVID-19 vaccines for their children; 91.3% were themselves fully vaccinated; 91.5% were confident about the COVID-19 vaccine
  - Vaccine hesitant and vaccine confident groups were not significantly different in sociodemographics



Intention-to-vaccinate their children against COVID-19



- Doctors (71.2%), community health workers and teachers were most influential in vaccination decision-making
- Older parents and urban residents had higher odds of intention-to-vaccinate their child (OR: 1.04, 95% CI: 1.01-1.08 and OR: 0.53, 95% CI: 0.35-0.82)

### Conclusions

- Most parents expressed vaccine confidence and intention-to-vaccinate their child against COVID-19
- Doctors, community health workers and teachers were cited as trusted influencers
- Exploring decision-making processes among parents is key in implementing vaccination programs

#### Acknowledgements

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#### References

- 1. Pettersson et al. CNN. Aug 2022
- 2. Kishore et al. J Family Med Prim Care. Aug 2021
- 3. Larson et al. PLoS Curr. Feb 2015



Unemployed





