

# SHOTS , SCIENCE AND SKEPTICISM: DETERMINANTS OF COVID-19 VACCINE HESITANCY AMONG COLLEGE STUDENTS

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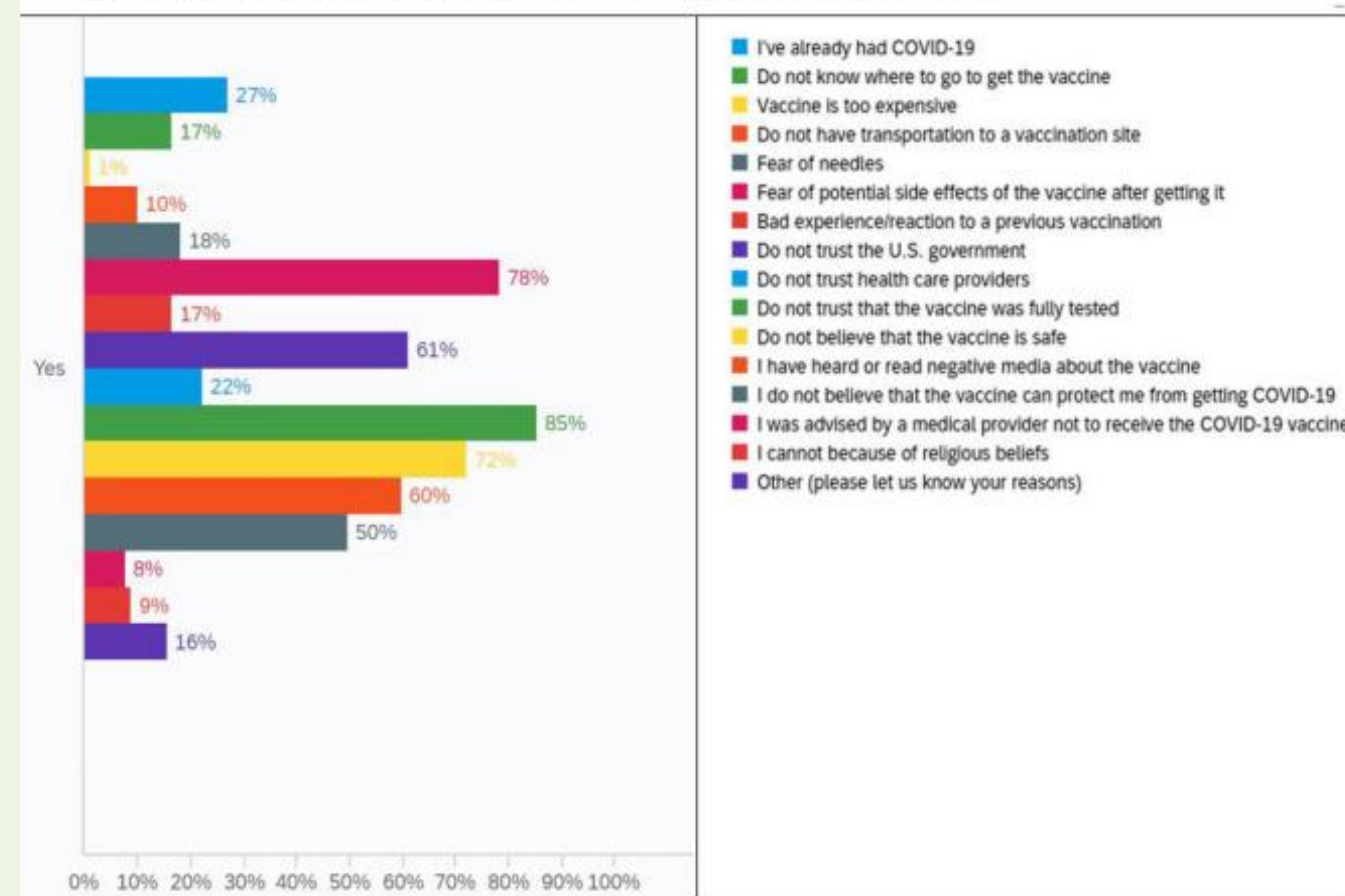
COLLEGE OF WOOSTER

ADVISED BY: DR. SHARON LYNN

## BACKGROUND

- Vaccine hesitancy remains a key public health concern after COVID-19.
- College campuses are at higher risk due to close social contact.
- Hesitancy is influenced by vaccine literacy, trust and perceived risk.

Summary of Reported Factors That May Increase Vaccine Hesitancy (n = 561)



## METHODS

Anonymous cross-sectional survey

Wooster Students (18+) | n=212

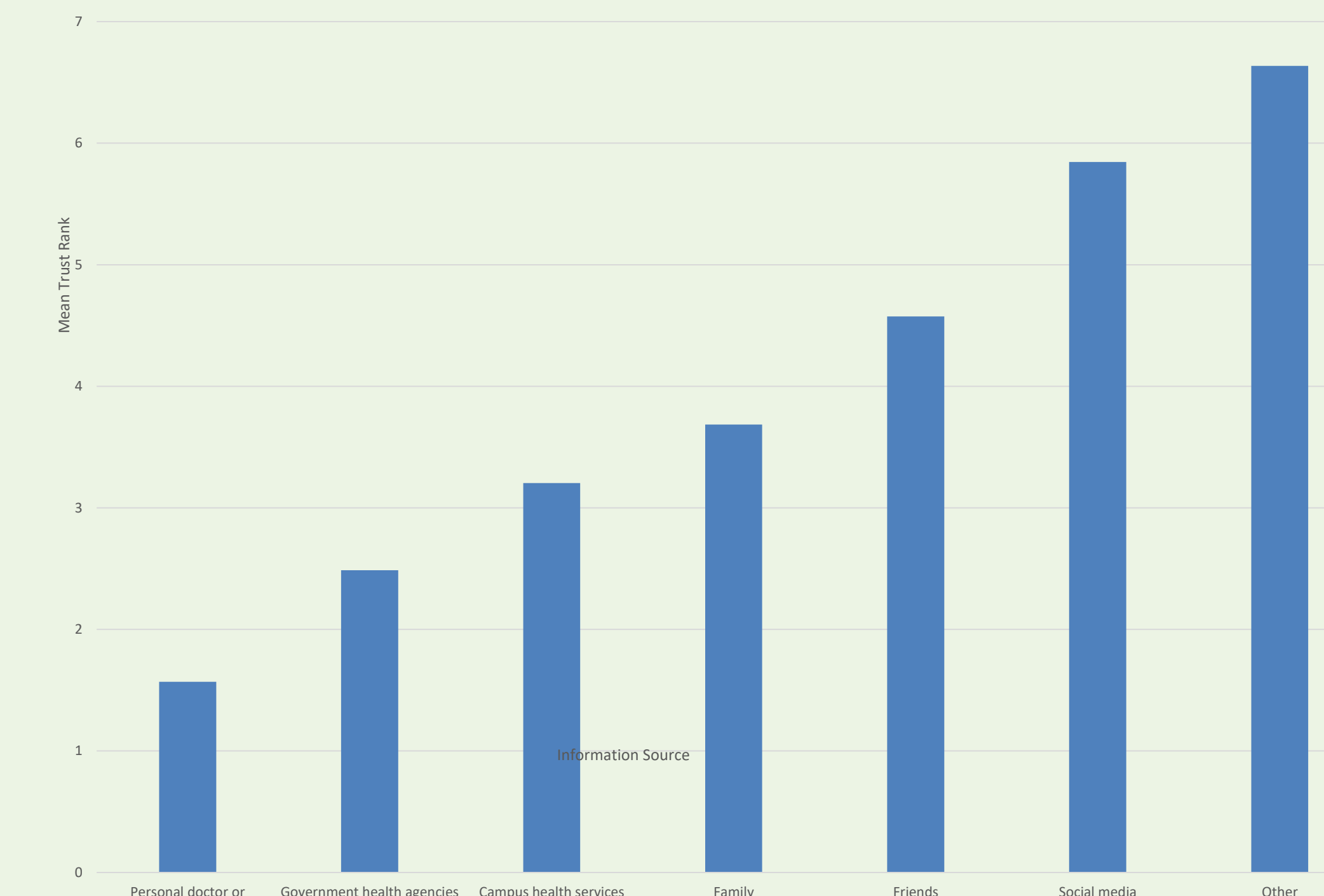
Qualtrics | Nov-Dec 2025

Key Variables: Biological knowledge, Perceived risk, Trust, Vaccine safety perceptions

Analysis: Descriptive, Bivariate, Logistic regression

## RESULTS

Mean Trust Ranking of COVID-19 Vaccine Information Sources among College Students

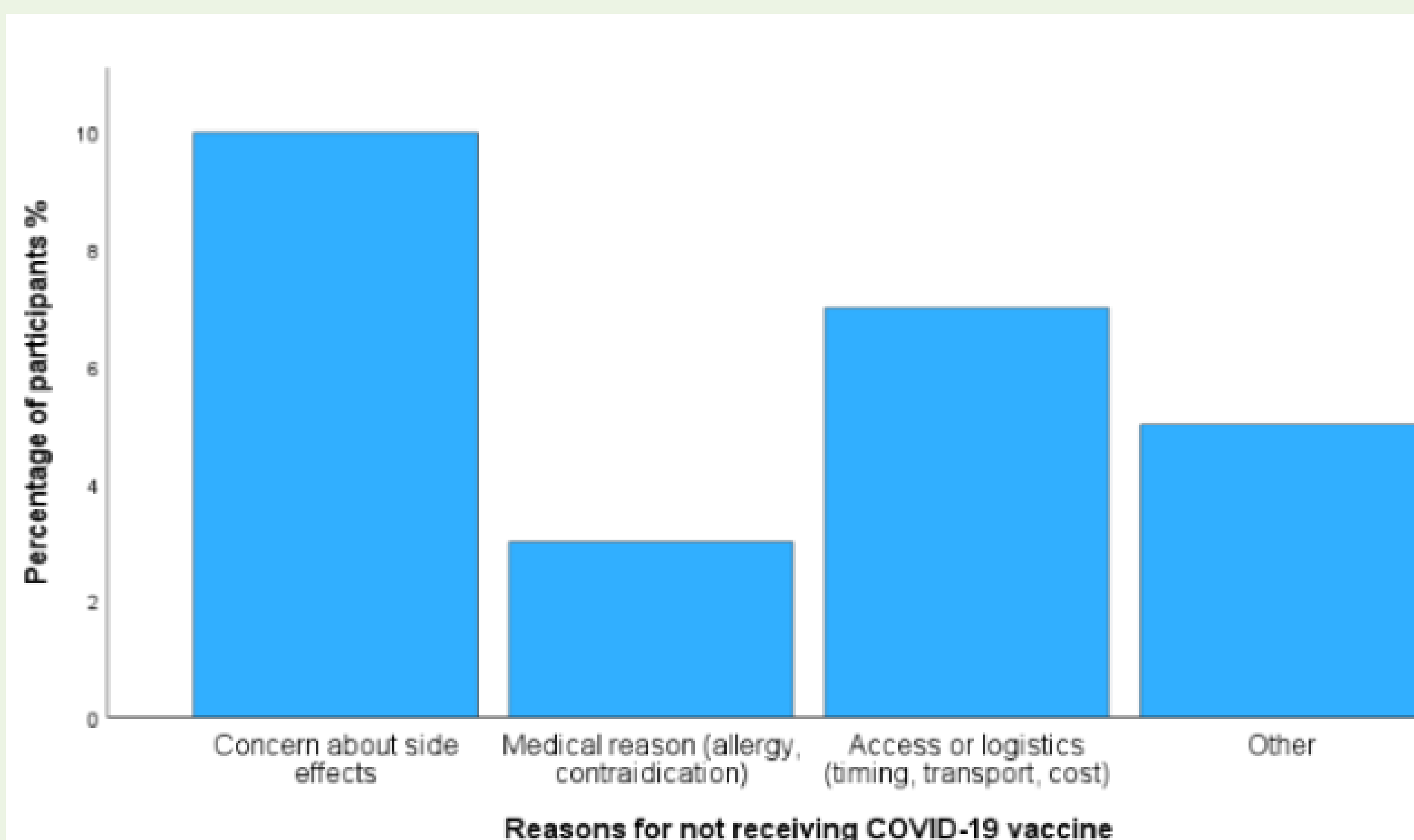


Confidence in vaccine safety	Not hesitant n (%)	Hesitant n (%)	Total	P value
Disagree	6 (3.7)	6 (31.6)	12	<0.001
Neutral	11 (6.7)	4 (21.1)	15	
Agree	146 (89.6)	9 (47.4)	155	

Tested positive for COVID-19	Not hesitant n (%)	Hesitant n (%)	Total	P value
Yes	115 (96.6)	4 (3.4)	119	<0.001
No	48 (76.2)	15 (23.8)	63	

## RESEARCH QUESTION

To what extent do biological understanding, perceived risk, trust, and social influences predict COVID-19 vaccine hesitancy among college students?



Hesitancy status	n (%)
Not hesitant	120 (65.9)
Hesitant	62 (34.1)
<b>Total</b>	<b>182 (100.0)</b>