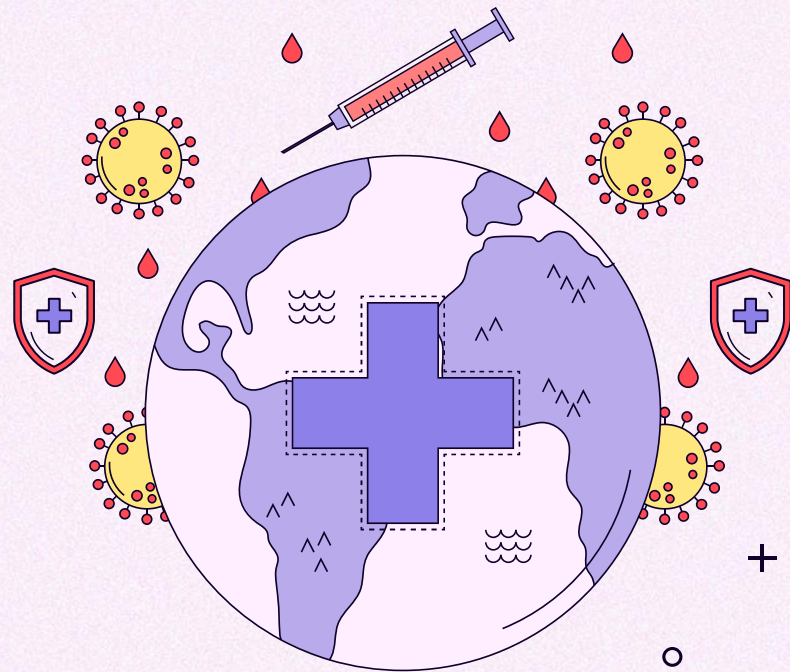
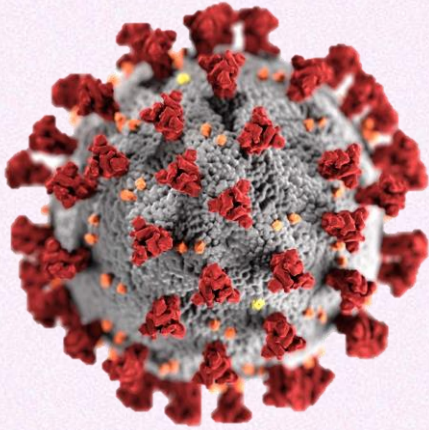


Knowledge and Attitudes of Junior High School Students on COVID-19 vaccines in a Private and Public High School in Tarlac City: A cross sectional Study

Maria Rosario L. Gaspar, MD
Expedito T. Yala, MD, FPPS, FPIDSP
Central Luzon Doctors Hospital,
Tarlac City



INTRODUCTION



- Wuhan, China
- 2020 Pandemic



- GDP to -9%
- Low production index and export activities

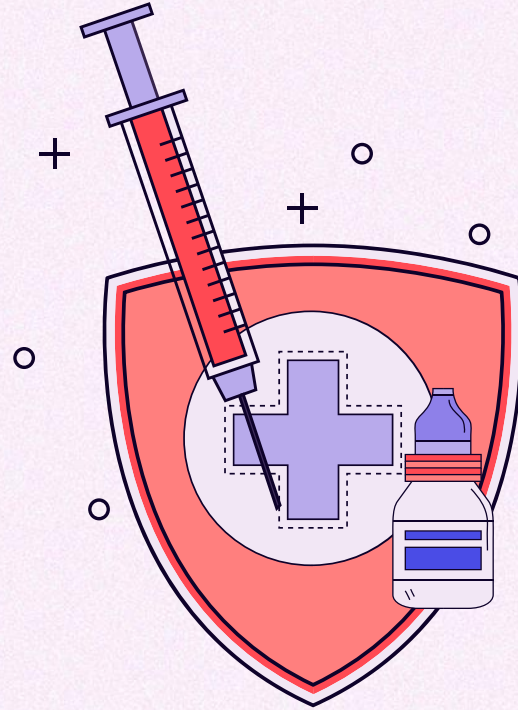
Given EUA to 9 vaccine manufacturers

160 million doses given
72 million with completed doses
18 million with booster doses

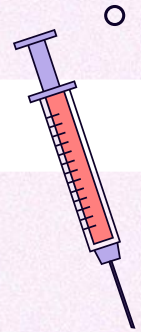
-DOH data, 2023

OBJECTIVES

To describe the association between vaccination compliance with the knowledge and attitudes towards COVID-19 vaccination of public and private Junior High School Students in Tarlac City for the school year 2022-2023



METHODOLOGY



Population



Grade 7-9 students

Male and Female

From Tarlac City enrolled
in the SY 2022-2023 in a
selected Private and
Public High school

Research Instrument



Kumari, A., Ranjan, P., Chopra, S., Kaur, D., Upadhyay, A. D., Kaur, T., Bhattacharyya, A., Arora, M., Gupta, H., Thrinath, A., Prakash, B., & Vikram, N. K. (2021). Development and validation of a questionnaire to assess knowledge, attitude, practices, and concerns regarding COVID-19 vaccination among the general population. *Diabetes & metabolic syndrome*, 15(3), 919–925. <https://doi.org/10.1016/j.dsx.2021.04.004>

Data Analysis

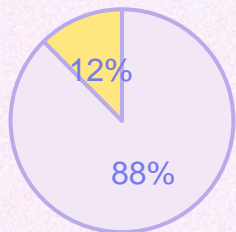
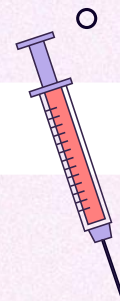


Descriptive

Independent /
Paired sample T-test

Binary regression
analysis

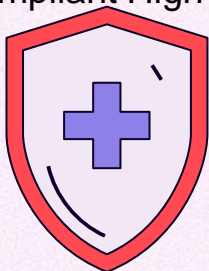
RESULTS



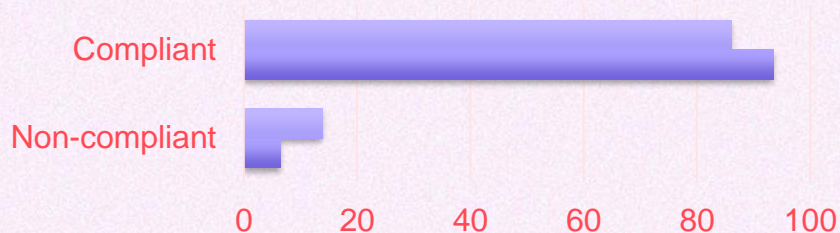
N= 750

Compliant Non-compliant

Proportion of Compliant and Non-compliant High School Students

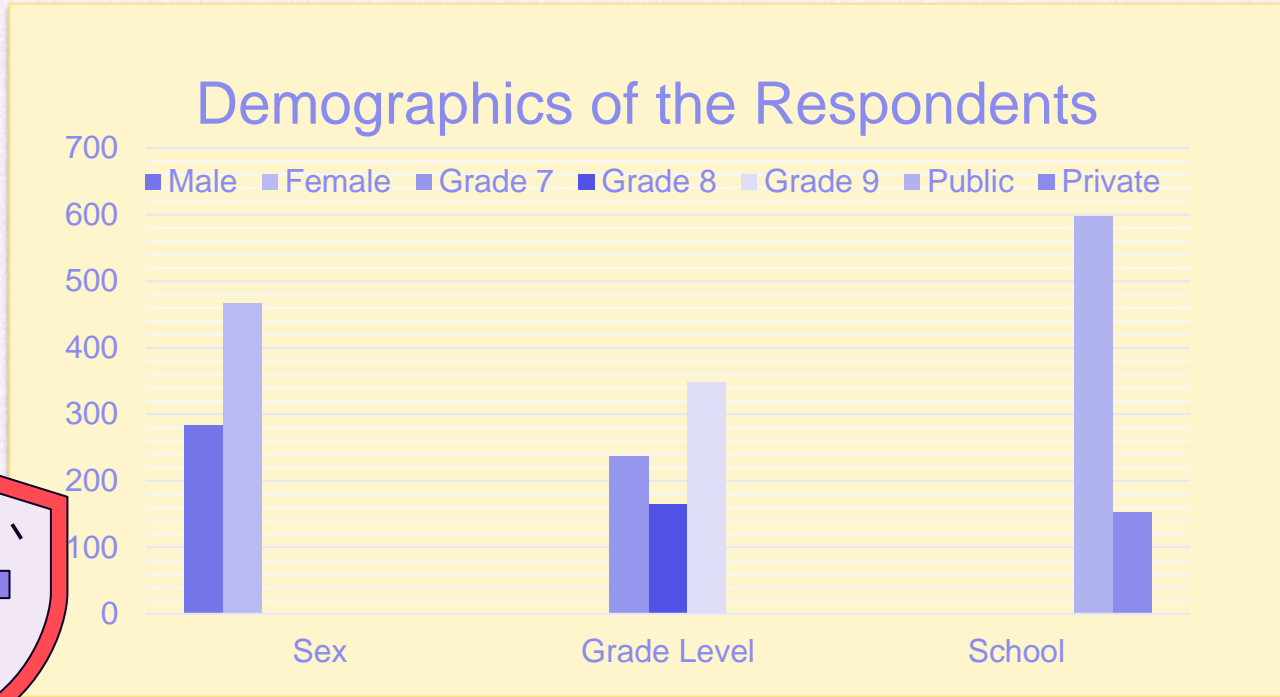
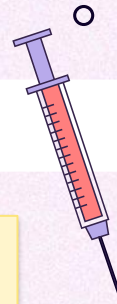


Public vs Private High School Students

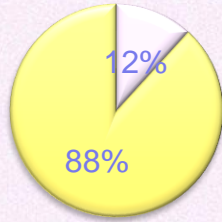
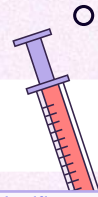


	Non-compliant	Compliant
Public High School	13.8	86
Private High School	6.5	93.4

RESULTS



RESULTS: KNOWLEDGE and ATTITUDES



- Knowledgeable
- Not knowledgeable

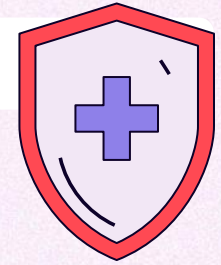
Operational definition:
adequate Knowledge: 60% and above
Not knowledgeable < 60%



	Insignificant effect	Somewhat significant effect	Very significant effect
	Frequency (%)		
News from national TV/radio	121 (16.13)	180 (24)	449 (59.87)
Government agencies	103 (13.73)	332 (44.27)	315 (42)
Social media (facebook, instagram, and whatsapp)	170 (22.67)	332 (44.27)	248 (33.07)
Discussion amongst friends and family	122 (16.27)	388 (51.73)	240 (32)
Healthcare provider	111 (14.80)	181 (24.13)	458 (61.07)
Others	135 (18)	217 (28.93)	398 (53.07)

Strongly Agree	I will recommend my family and friends to get vaccinated against COVID-19.
Neither agree nor disagree	I feel the benefit of taking the COVID-19 vaccine outweighs the risk involved
Strongly disagree	I will prefer to acquire immunity against COVID-19 naturally

DISCUSSION: PRIVATE VS PUBLIC HIGH SCHOOL



SCHOOL	VACCINE COMPLIANCE	KNOWLEDGE	ATTITUDES
PRIVATE	↑ 93.46 %	↑ 30.07%	↑
PUBLIC	↓ 86.10%	↓ 6.37%	↓

SIGNIFICANT
p=0.020

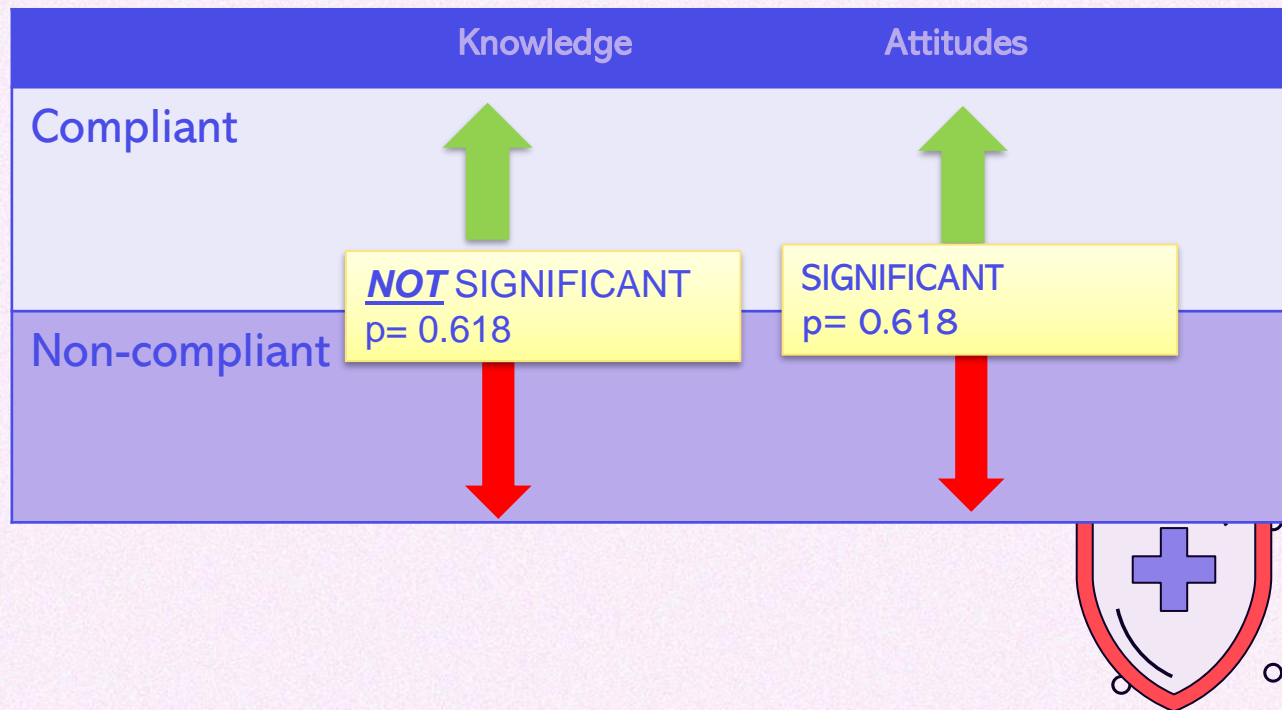
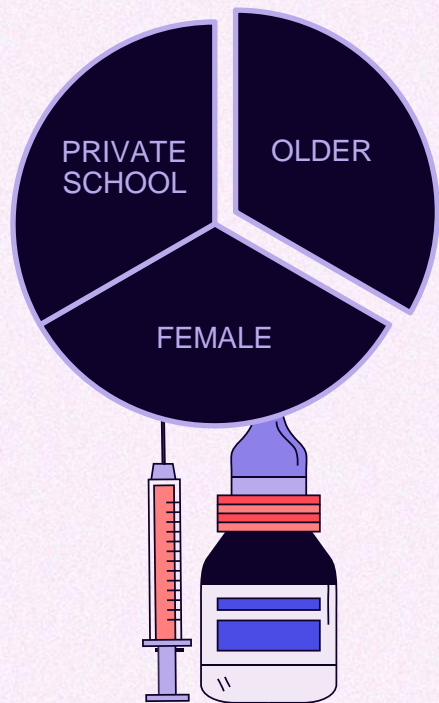
SIGNIFICANT
p<0.001

SIGNIFICANT



DISCUSSION:

COMPLIANT VS NON-COMPLIANT RESPONDENT



CONCLUSIONS

- Majority of adolescents in Tarlac City are vaccine compliant
- Low knowledge on COVID-19 vaccine
- Positive attitude = vaccine compliance
- Mobilize information dissemination