

BACKGROUND

- Impact of COVID-19 on student's mental health is currently being studied
- Evaluating the impacts of COVID-19 can help programs and universities prepare and adapt for future scenarios in which educational environments must be changed.

OBJECTIVES

- Evaluate the impact COVID-19 on mental health of pharmacy students during the pandemic
- Determine changes in productivity and educational habits caused by the pandemic

METHODS

Study Design

- Observational, cross-section study including 47 individual responses

Inclusion Criteria

- Must be enrolled at SIUE
- Must be in the class of 2022(P4) or class of 2023 (P3)

Survey

- Included 21 questions total
- Focused on assessing the impact of changing environments on mental health during the pandemic
- Secondary outcomes include interpretation of preparedness for licensure exams

Statistical Analysis

- Microsoft algorithms including, but not limited to mean, median, mode, and IQR were used to interpret the data produced by the applicants participating on the survey

RESULTS

Figure 1. Demographic Information of Race (left) and Gender (right)

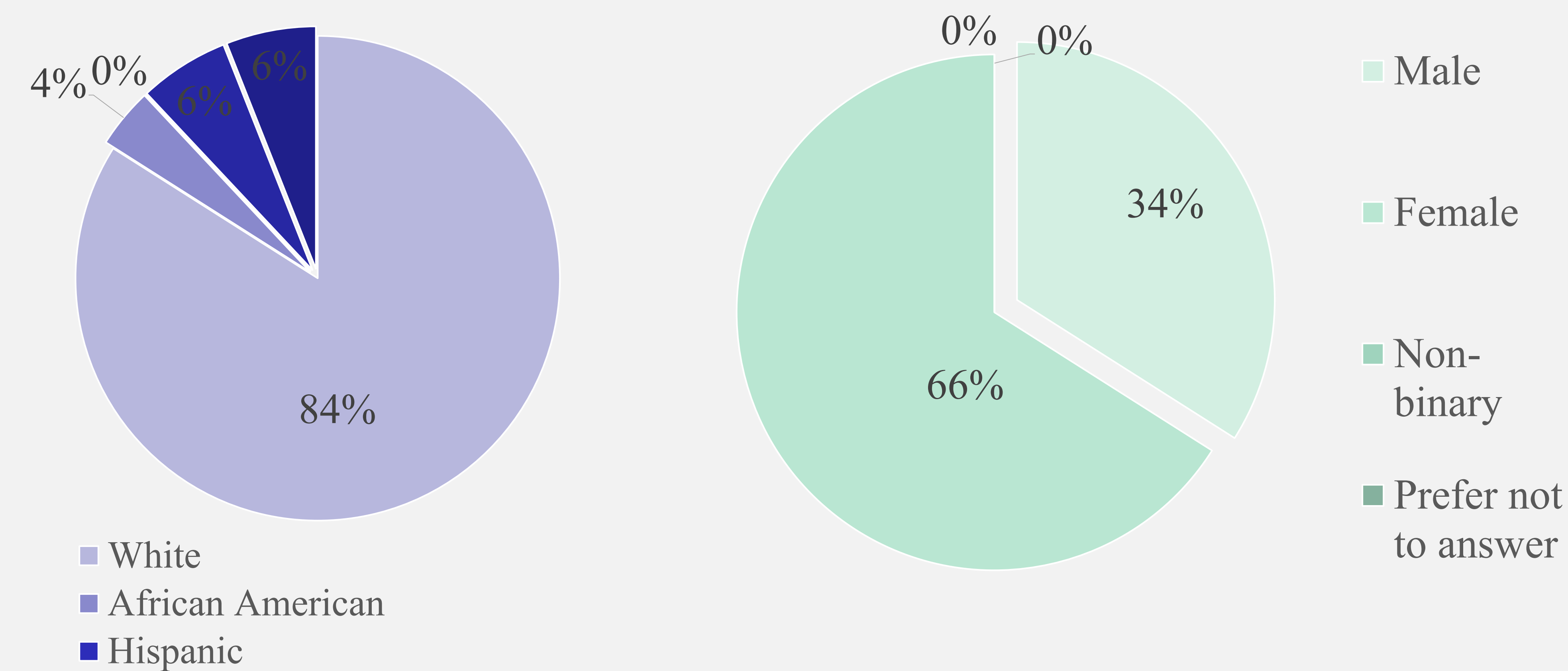


Figure 2. Survey Data for Questions 2,8 and 12

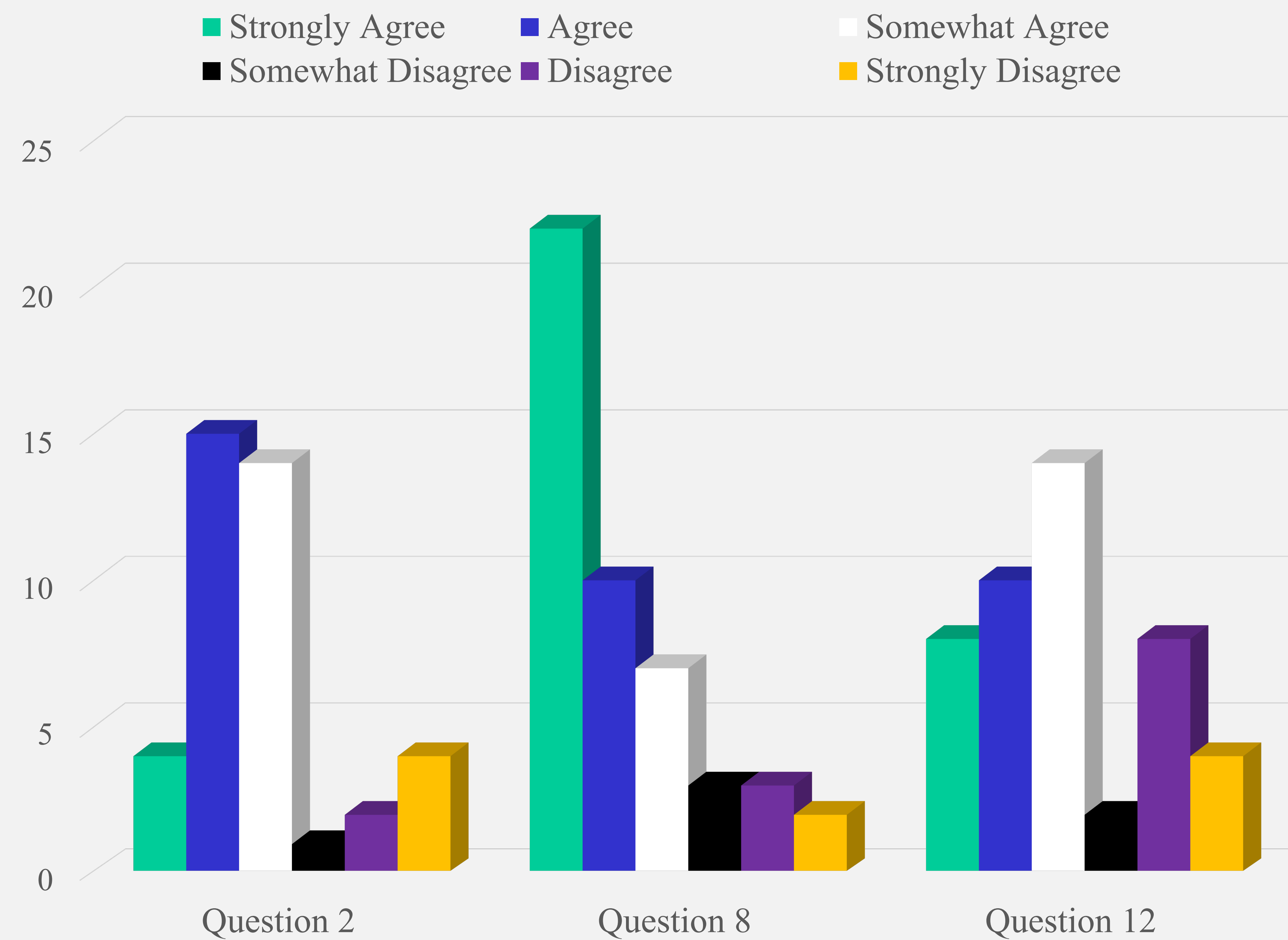


Table 1. Survey Question Prompt

Question #	Question Asked
2	Changing from in-person classes to an online environment negatively impacted my mental health.
8	I found it more difficult to pay attention in an online environment
12	Online learning negatively affected my social wellbeing and social

Table 2. Survey Question Data

Question #	Agree No. (%)	Disagree No. (%)	Mode*
1	33 (70)	14 (30)	5
2	33 (70)	14 (30)	5
3	22 (47)	25 (53)	2
4	21 (45)	26 (55)	3
5	21 (45)	26 (55)	3
6	21 (45)	26 (55)	2
7	31 (66)	16 (34)	6
8	38 (81)	9 (19)	6
9	28 (60)	19 (40)	5
10	25 (53)	22 (47)	6
11	38 (81)	9 (19)	4
12	32 (68)	15 (32)	5
13	15 (32)	32 (68)	3
14	35 (74)	12 (26)	4
15	31 (66)	16 (34)	5
16†	16 (35)	30 (65)	2
17	41 (87)	6 (13)	4
18	38 (81)	9 (19)	5
19	30 (64)	30 (36)	4
20	40 (85)	40 (15)	4
21	27 (57)	20 (43)	6

*Numbers based on 6 point Likert scale 6-strongly agree, 5-agree, 4-somewhat agree, 3-somewhat disagree, 2-disagree, and 1-strongly disagree.

†One participant left this question blank and therefore its percentage is calculated out of 46.

CONCLUSION

- Overall, majority of the students' mental health was impacted by the transition of educational environments due to the COVID-19 pandemic
- Online learning environments led to increased rates of burnout and frustration experienced by the students
- Additional studies will be required to understand the entire impact of COVID-19 on education and other systems