

IMPACT OF COVID-19 AMONG DENTAL STUDENTS IN MALAYSIA

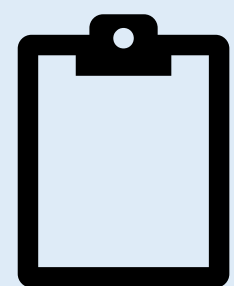
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INTRODUCTION



Dental students' performances may indirectly be affected following the preventive measures in containing spread of COVID-19 disease.

OBJECTIVES

To evaluate the impact of COVID-19 pandemic on physical, mental, financial health and academic concern among dental students in Malaysia.



MATERIALS AND METHODS

SURVEY POPULATION

Cross sectional study using Google form circulated to student s representatives.

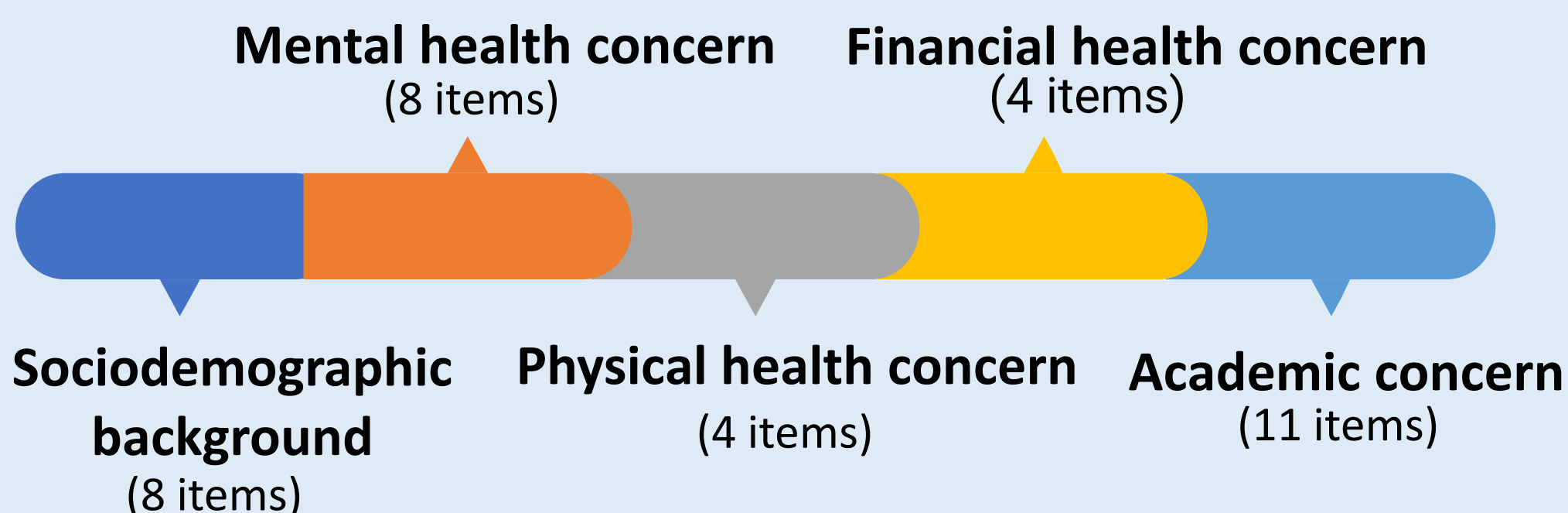
Carried out from March to April 2021



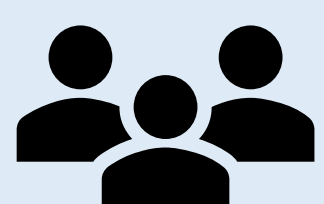
Sample size was **347 samples**.

SURVEY INSTRUMENT

Questionnaires adapted from a study from Hung et al. Consists of **5 parts**:

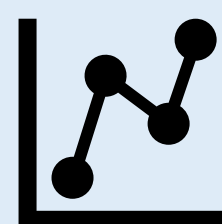


VALIDITY AND RELIABILITY OF QUESTIONNAIRES



- Face to face validation on **5** students from IIUM
- Pilot study on **40** dental students
- Reliability test using Cronbach's Alpha
- Final set of questionnaires had Cronbach's Alpha value >0.8

DATA ANALYSIS



- Descriptive statistic to determine item distribution
- Mann-Whitney U test and Kruskal Wallis test using SPSS

ETHICAL APPROVAL

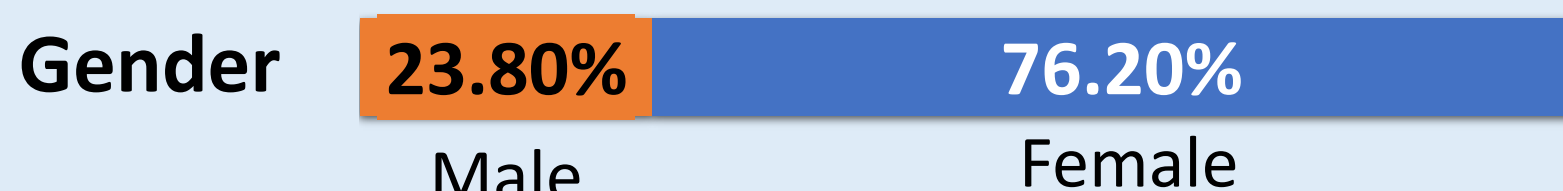
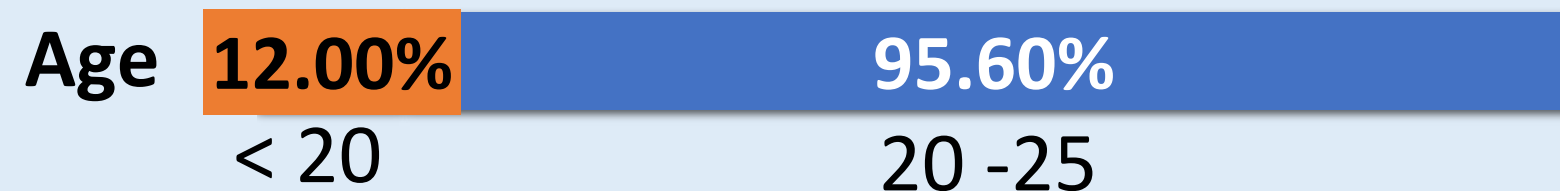
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ACKNOWLEDGEMENT

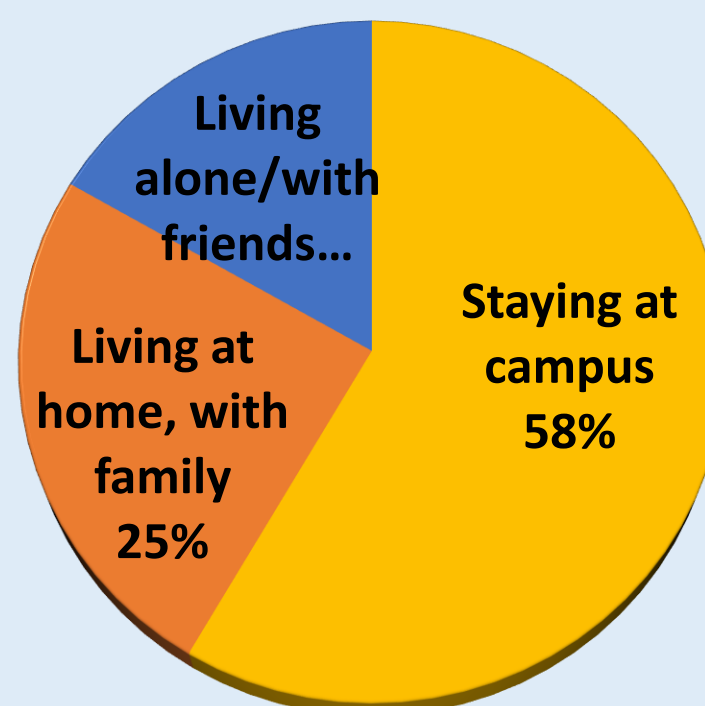
We are thankful to all respondents from each university who have contributed in the survey.

RESULTS AND DISCUSSION

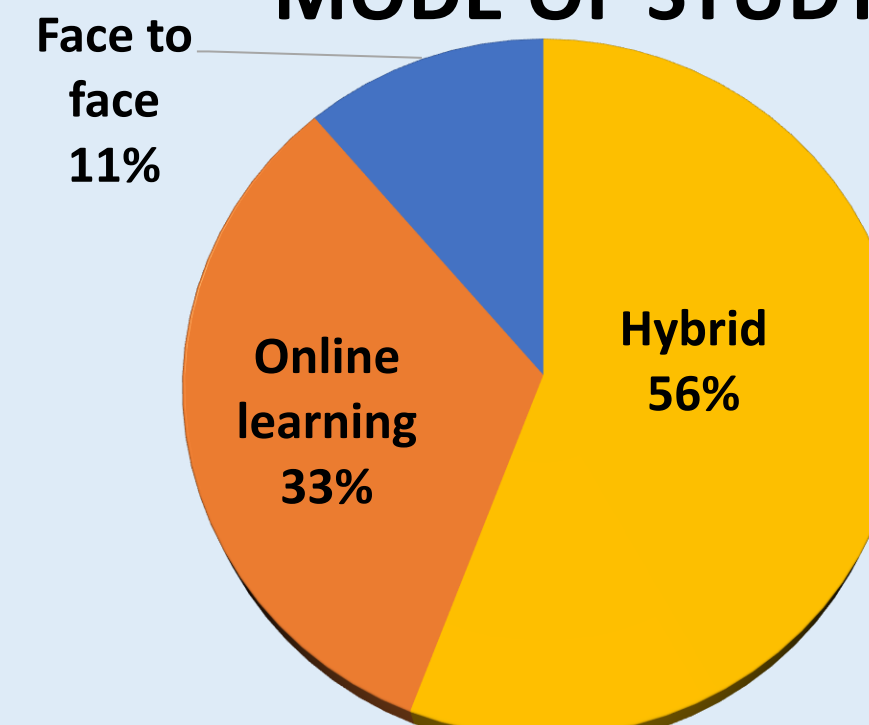
PART 1: SOCIODEMOGRAPHIC BACKGROUND



LIVING CONDITION

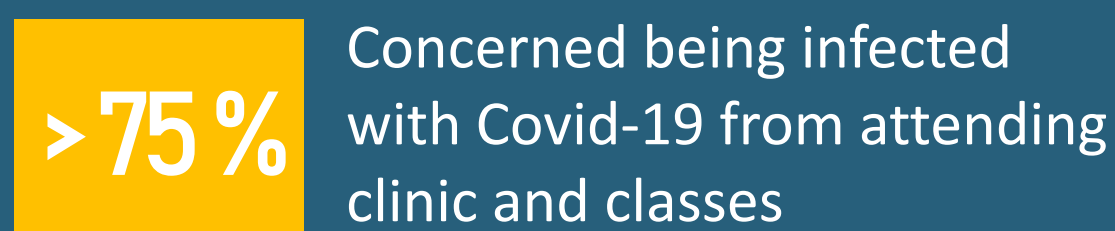


MODE OF STUDY



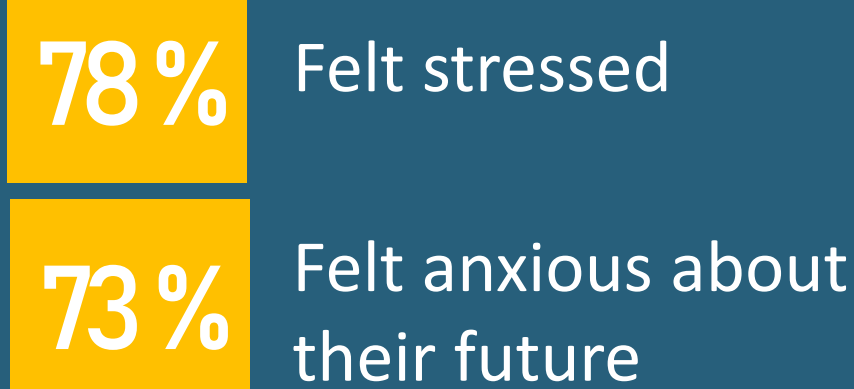
PART 2: IMPACT OF COVID -19 ON DENTAL STUDENTS

DOMAIN 1: PHYSICAL HEALTH CONCERN



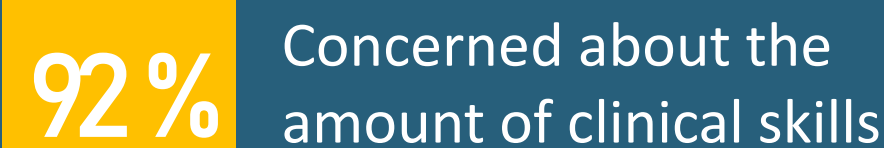
Ahmad et. al, 2020 reported that dental practitioners get exposed to saliva, blood and other bodily fluids

DOMAIN 2: MENTAL HEALTH CONCERN

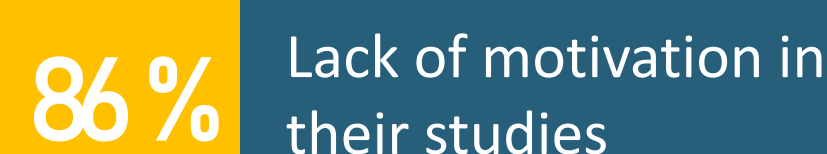


Sundarasan et al. reported predominant feelings of stress and anger in female. Lower uncertainty tolerance, less coping strategies

DOMAIN 3: ACADEMIC PERFORMANCE CONCERN

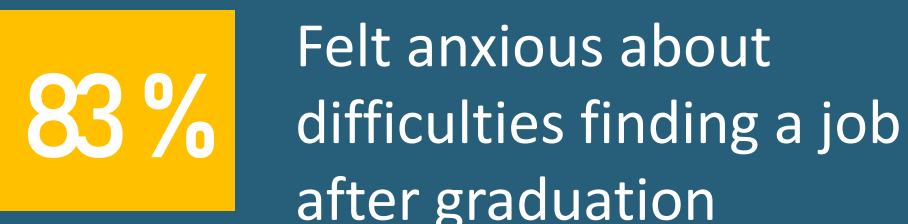


Mukhtar et al. reported online learning to be ineffective at honing the students' necessary psychomotor skills



Ahmad et al. stated virtual learning to less engaging and prevented from asking questions during lectures

DOMAIN 4: FINANCIAL HEALTH CONCERN



Sundarasan et al. reported concerned with their ability to manage educational financial commitments due to family loss of income, loss of work opportunities

The mental, financial and academic concern significantly differ according to their year of study. **Year 3** students shows the highest concern in these three domains.

CONCLUSION

COVID-19 pandemic had indeed significantly affected Malaysian dental students. It is important to identify dental stressors and lessen the impact of COVID-19 to dental students.

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