**Feasibility of MSE Nursing Students to Self Report COVID 19 Symptoms**

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### Background & Significance

- In March 2020, clinical placements closed to nursing students due to concerns around COVID-19.
- It was presumed students would need to demonstrate self-monitoring of symptoms of COVID-19 moving forward.
- Investigators evaluated the feasibility of nursing students’ ability to self-monitor and document COVID-19 symptoms.

### Study Design

- All 56 MSE nursing students were invited to participate in the feasibility study, 16 participated.
- On June 2, 2020 eligible participants received an email to consent to anonymous and voluntary participation in twice daily survey of COVID-19 symptoms for 14 days.
- Survey link was emailed twice daily and symptoms were based on recommendations from CDC.
- The purpose of the study was to evaluate the feasibility of nursing students’ ability to self-monitor and document COVID-19 symptoms in an online survey, twice daily.
- The study was reviewed and approved by the Boston College Institutional Review Board on May 11, 2020.

### Twice Daily Survey

- Feeling feverish
- Chills, repeated shaking with chills
- Sore throat
- Headache
- New nasal congestion (not related to seasonal allergies)
- New cough (not related to chronic condition)
- Shortness of breath
- Muscle aches/pain
- New loss of smell
- New loss of taste
- No symptoms

### Results

50% of the participants (8 out of 16) did not complete the twice daily survey.

Qualitative data, from the post survey found barriers were:

- Computer or technology issues
- Variable schedule of participants

### Limitations

- Small sample size.
- Technology issue on day 10 that made data collection unreliable for subsequent days.
- Survey was conducted during the historical even of George Floyds death and protest which could have effected participants ability to participate.

### Conclusion and Recommendation

This study found that 50% of MSE students did not monitor and document COVID 19 symptoms.

Recommendations to increase compliance:

- Symptom checking once daily, instead of twice daily.
- Not allowed to participate in CSON (education and clinical) without documentation COVID-19 symptom tracker.
- Real time IT support with survey issues.

### References

- [https://issuu.com/bcua/docs/voice_spring2020](https://issuu.com/bcua/docs/voice_spring2020)