The New Back-to-School Basics: COVID-19 Hygiene Education for Elementary Students

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2020 Community Engagement Symposium: Strategies for Community Resiliency and Recovery in 2021 and Bevond

BACKGROUND

- Objective:
 - Educate elementary school children health and safety precautions
- Context:
 - Children returning to school during pandemic
 - Education mostly geared to adults
 - Prepare for new normal
 - Promote hygiene with peers¹
 - Address mental health changes²
 - Maintain physical health despite environmental change





- Setting:
 - 1st 5th grade children at Raindrop Foundation San Antonio, Texas

of Quarantine in Children and Adolescents: A Rapid Systematic Review and Proposed Solutions. US National Library of Medicine National Institutes of Health. https://www.ncbi.nlm.nih.gov/pmc/articles/PMC7372688/pdf/PJMS-36-1106.pdf.

METHODS

• Virtual sessions

- 20 minutes long, once a month
- 3 sessions
 - Hygiene
 - Coping mechanisms
 - Physical activity
- Electronic surveys
 - Quantitative (pre and post knowledge assessment quizzes)
 - Qualitative (free text, drawings)
 - Parent and Volunteer surveys

Where should your mask sit on your face? *





O On your nose and your mouth

O Under your nose



Figure 1. Question from knowledge assessment quiz using Google survey.

| How confident are you in your basic knowledge about COVID-19? | Not at all confident | Somewhat confident | Very confident | |
|---|-------------------------|-----------------------|----------------|-----|
| * must provide value | | | | 100 |
| How confident are you in your ability to teach others about COVID- 19? | Not at all confident | Somewhat confident | Very confident | |
| * must provide value | | | | 95 |
| How confident are you in your ability to teach to elementary school-aged children? | Not at all confident | Somewhat confident | Very confident | |
| * must provide value | | | | 100 |
| How confident are you in your ability to work on an interprofessional team? | Not at all confident | Somewhat confident | Very confident | |
| * must provide value | | | | 96 |

RESULTS

• Parents

- 6 out of 10 responses
- Challenges faced since COVID
 - Stress and anxiety
 - Decreased physical activity
 - Wanting COVID to pass
- Topics to be discussed

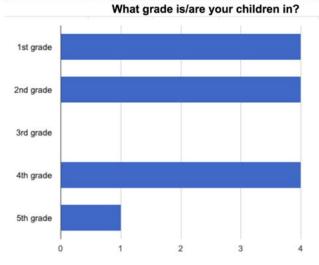
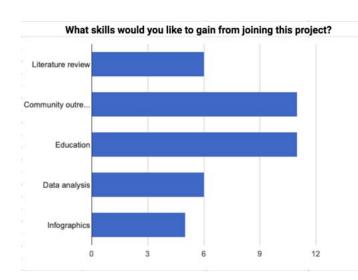


Figure 1. Grade school distribution of children of responding parents



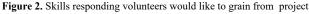
| Table 1 | | | | |
|--|--------------------------------|--|--|--|
| What would you want your children to know about: | % of Parents Who Voted Yes: | | | |
| COVID Hygiene - Handwashing, Wearing Masks | 100% | | | |
| General facts about COVID | 70% | | | |
| What to do if a family member gets sick with COVID | 80% | | | |
| COVID Symptoms | 70% | | | |

Table 1. Topics that responding parents wanted children to know about COVID.

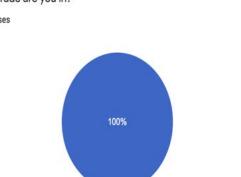


Volunteers

- 7 responses
- Teaching experience
- COVID knowledge
- Goals of volunteering



RESULTS



1st grade

2nd grade

Figure 3. Grade level demographics for 'My Feelings' session.

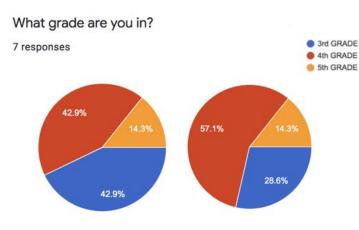
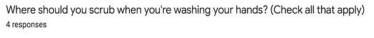
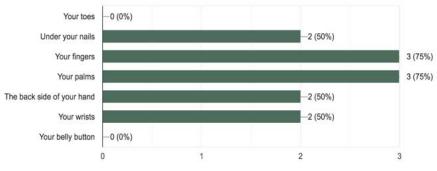


Figure 6. Demographics for "Hygiene" (L) and "My Feelings" (R) sessions





When should you use hand sanitizer? (Choose all that apply) 4 responses

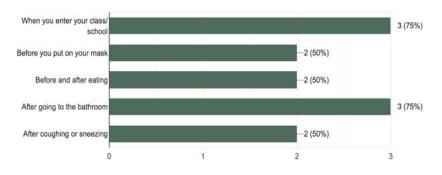


Figure 5. 1st - 2nd grader responses to use of hand sanitizer

How much alcohol is recommended in a hand sanitizer for it to be effective?

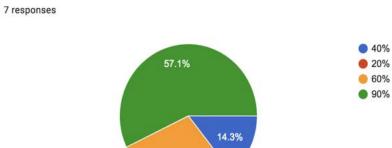
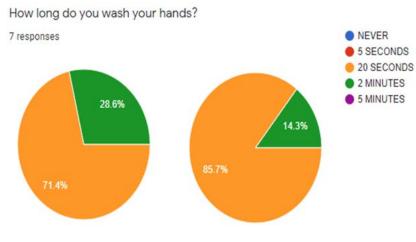


Figure 7. 3rd - 5th grade responses for pre-(L) and post-(R)"Hygiene" sessions

Figure 8. "My Feelings" Pre-session survey of the 3rd - 5th graders

Figure 4. 1st - 2nd grader responses to handwashing



What grade are you in?

4 responses

CONCLUSIONS

• Sessions

- The project is still ongoing.
 - Good fund of basic COVID-19 hygiene knowledge.
 - Parental concern about sadness and boredom.
 - Parental concern about decreased activity.
- Challenges:
 - Virtual format less engaging
 - Limited class participation
 - Limited class time
- Future goals:
 - Implement more effective methods of virtual education.
 - Brief training for parents
 - Expand virtual COVID-19 training with sister locations of the Raindrop Foundation.



CONTACT INFORMATION

Collaborators: Raindrop Foundation Sumeyra Tek

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Nursing Student Leaders: Marisa Williams Rebecca Rodriguez



Student Volunteers:

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