**Online Supplementary Figure S1:**

Theoretical Model of Pandemic Preparedness

Diagram

Description automatically generated

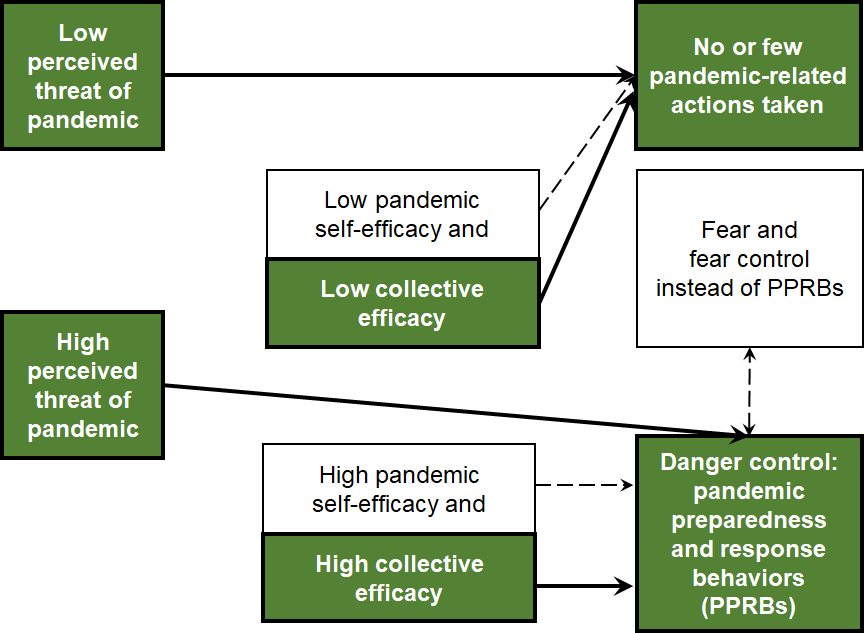
*Figure notes*. Adapted with permission, from Witte’s Extended Parallel Process Model1 to be pandemic-specific and to incorporate collective efficacy.

**SUPPLEMENTARY REFERENCE**

1 Witte K. Putting the fear back into fear appeals: The Extended Parallel Process Model. *Commun Monogr*. 1992;59(4):329-349. https://doi.org/10.1080/03637759209376276)

**Online Supplementary Figure S2:**

Components of the theoretical model supported in the present study



*Figure notes*. Adapted with permission, from Witte’s Extended Parallel Process Model1 to be pandemic-specific and to incorporate collective efficacy. Bolded paths and green boxes show aspects of model that were supported for *within-person* effects; no between-person effects were supported. White boxes and dashed lines show aspects of the model that were not supported.

**SUPPLEMENTARY REFERENCE**

1 Witte K. Putting the fear back into fear appeals: The Extended Parallel Process Model. *Commun Monogr*. 1992;59(4):329-349. https://doi.org/10.1080/03637759209376276)

**Online Supplementary Material S3:**

Questionnaire

These data were part of a larger study which included additional questionnaires in the survey. For more information on the questionnaire, please visit [redacted for blind review] or contact the corresponding author: [redacted].

**Perceived Pandemic Severity**

Compared to the “flu” (influenza) outbreaks each year, how severe do you think the COVID-19 outbreak is?

1 - Less serious than the yearly flu outbreak

2 - No more serious than the yearly flu outbreak

3 - A little more serious than the yearly flu outbreak

4 - Moderately more serious than the yearly flu outbreak

5 - Much more serious than the yearly flu outbreak

**Scoring:** this item should be scored on its own; do not combine with fear items. If used when a disaster or hazard is not ongoing, combination with perceived likelihood items is appropriate, such as those used in Tkachuck et al (2018) (as referenced for the self-efficacy questionnaire).

**Recommended Citation:** [redacted].

**Fear of the Pandemic**

How true have the following statements been about you over the past 7 days?

1. Thinking about the coronavirus (COVID-19) makes me feel threatened.
2. I am afraid of the coronavirus (COVID-19).
3. I am not worried about the coronavirus (COVID-19). (R)
4. I am worried that I or people I love will get sick from the coronavirus (COVID-19).
5. I am stressed around other people because I worry I’ll catch the coronavirus (COVID-19).

Response options for all fear items:

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| 1 - Not true of me at all | 2 - A little true | 3 - Somewhat true | 4 - True | 5 - Very true |

**Scoring:** Item 3 is reverse scored as indicated; do not include “(R)” in survey text. Items are then summed, with higher scores indicating greater fear of the pandemic.

**Recommended Citation for this version:** [redacted].

**Original citation:** Conway LG, Woodard SR, Zubrod A. *Social Psychological Measurements of COVID-19: Coronavirus Perceived Threat, Government Response, Impacts, and Experiences Questionnaires.* Published April 7, 2020 [preprint]. Accessed April 15, 2020. https://doi.org/10.31234/osf.io/z2x9a

**Pandemic Self-Efficacy Questionnaire**

1. I believe I can protect myself from the Coronavirus (COVID-19).
2. I believe I can protect others from the Coronavirus (COVID-19).
3. How confident are you that you know what to do in response to the Coronavirus (COVID-19) pandemic?

Response options for self-efficacy items 1-2 and collective efficacy items 1-4:

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| 1 - Strongly disagree | 2 - Disagree | 3 - Neither/neutral | 4 - Agree | 5 - Strongly agree |

Response options for self-efficacy item 3 and collective efficacy item 5:

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| 1 - Not at all confident | 2 - Mostly not confident | 3 - Somewhat confident | 4 - Mostly confident | 5 - Very confident |

**Scoring:** Items are summed. Higher scores indicate greater pandemic self-efficacy.

**Recommended Citation for this version:** [redacted].

**Original citation for items 1-2:** Krzyzanowski MC, Terry I, Williams D, West P, Gridley LN, Hamilton CM. The PhenX Toolkit: Establishing standard measures for COVID-19 research. *Current Protocols.* 2021;1:e111. https://doi.org/10.1002/cpz1.111/

**Original citation for item 3:** Tkachuck MA, Schulenberg SE, Lair EC. Natural disaster preparedness in college students: Implications for institutions of higher learning. *J Am College Health.* 2018;66(4):269-279. https://doi.org/10.1080/07448481.2018.1431897

**Pandemic Collective Efficacy Questionnaire**

*Directions:* Please respond to these questions about ***your community*** at [the University].

1. During the Coronavirus (COVID-19) outbreak, despite work and family obligations, we can commit ourselves to common community goals.
2. During the Coronavirus (COVID-19) outbreak, as a community, we can handle mistakes and setbacks without getting discouraged.
3. During the Coronavirus (COVID-19) outbreak, I am confident that we can be united in the community vision we present to outsiders.
4. During the Coronavirus (COVID-19) outbreak, the people of our community can continue to work together, even when it requires a great deal of effort.
5. How confident are you that your community can work together to prevent the spread of COVID-19?

Response options for self-efficacy items 1-2 and collective efficacy items 1-4:

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| 1 - Strongly disagree | 2 - Disagree | 3 - Neither/neutral | 4 - Agree | 5 - Strongly agree |

Response options for self-efficacy item 3 and collective efficacy item 5:

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| 1 - Not at all confident | 2 - Mostly not confident | 3 - Somewhat confident | 4 - Mostly confident | 5 - Very confident |

**Scoring:** Items are summed. Higher scores indicate greater pandemic collective efficacy.

**Recommended Citation for this version:** [redacted].

**Original citation for items 1-4:** 10. Carroll JM, Rosson MB, Zhou J. Collective efficacy as a measure of community. Proc SIGCHI Conf Hum Factor Comput Syst. April 2005:1-10. https://doi.org/10.1145/1054972.1054974

**Original citation for item 5:** Tkachuck MA, Schulenberg SE, Lair EC. Natural disaster preparedness in college students: Implications for institutions of higher learning. *J Am College Health.* 2018;66(4):269-279. https://doi.org/10.1080/07448481.2018.1431897

***Pandemic Preparedness and Response Behaviors (PPRBs) Checklist***

***Social Checklist***

In the past 7 days, have you...? (Check all that apply)

* 1. Gone to a friend, neighbor or relative’s house (that is not your own) (R)
* 2. Had more than 10 friends, neighbors or relatives over to your housing (R)
* 3. Gone to a gathering where there were more than 10 people (R)
* 4. Remained in your residence at all times, except for essential activities or exercise (4)
* 5. Shared items like towels or utensils with other people (R)
* 6. Had close contact (within 6 feet) with people who do not live in your dorm room or apartment (R)
* 7. Cancelled travel you were supposed to do this week
* 8. Been in complete isolation/quarantine, with no face-to-face contact with any people at all

***Sanitation Checklist***

In the past 7 days, have you...? (Check all that apply)

* 1. Cleaned high-touch surfaces in the home like door handles, faucets, and remote controls
* 2. Cleaned high-touch electronics like your smart phone, computer, tablet or laptop
* 3. Increased your use of alcohol-based hand sanitizer
* 4. Washed hands for 20 seconds or more after being in public

***Other Pandemic Behaviors Checklist***

In the past 7 days, have you...? (Check all that apply)

* 1. Worn a face mask around people you don’t live with
* 2. Tried to touch your face less
* 3. Stayed at home when you were sick
* 4. Read or watched guidelines for what to do to prevent COVID-19
* 5. Read or watched guidelines for what to do if you have COVID-19
* 6. Followed other government guidelines or rules to stay at home and limit contacts with other people

**Scoring:** Endorsed items are scored 1 and items can be summed. (R) indicates reverse-scored item in which endorsement of item = score of 0, no endorsement = score of 1. Do not include “(R)” in survey text.

**Recommended Citation:** [redacted].

**Items are based on CDC guidelines spring 2020:** Centers for Disease Control. *Coronavirus (COVID-19).* Published March 2020. Accessed March and April 2020. https://www.cdc.gov/coronavirus/2019-ncov/index.html