Survey Methods. The survey instrument\textsuperscript{1} asked respondents how COVID-19 impacted their small- and medium-sized enterprise (SME) and how the SME has adapted; about the SME’s experience with natural disasters and resilience planning; and elicited beliefs about the future. The survey was conducted online through direct emails, at the invitation of partner networks, and through social media posts.

Descriptive Statistics. There were 1374 survey responses; Fig. 1 gives the breakdown by Census region.\textsuperscript{2} Moreover, 1123 businesses self-identified as either essential or non-essential. Of note, 13\% of these respondents identify that only a segment of their business is essential, while 6\% indicate that they are unsure about their SME’s classification. Figure 2 reports businesses by size and classification as essential or not. 55\% of SMEs are microbusiness, 31\% are small, and 14\% are medium-sized businesses.

930 businesses reported industry type. 24\% of SMEs are classified under construction, 17\% in medical services, 16\% in retail and wholesale, and 8\% in manufacturing, among others. The median value of SME length of time in business is 51 years.


\textsuperscript{2} N=1357 provided location information
Past SME experience with natural disasters. A large majority of survey respondents in each region indicate that their SME has been affected by some natural hazard in the past. See Fig. 3. The division between those with chronic (13%) versus acute (18%) natural hazards experience indicates a slightly higher concern with acute risks; 57% report having experienced both types in the past (pre-COVID-19).3

SME experience with natural disasters during the COVID-19 Pandemic. The survey asked respondents if their SME experienced a natural disaster since March 13th, 2020.4 A natural disaster had affected 29% of SMEs during the pandemic.5 See Fig. 4, which indicates the percent of respondents whose response to the natural disaster experienced was affected by COVID-19 circumstances.

Current and future plans to address complex events: concurrent COVID-19 and natural disaster risks. 98.6% of respondents expressed concern over one or more complex events occurring during COVID-19.6 Fig. 5 presents the fraction of respondents by region that expressed concern over complex events arising specifically from concurrent natural disasters and COVID-19. Fig. 6 summarizes categories of expressed needs by to help their SMEs address future complex risks.

Future Activities/Research. This data collection is the first in a longitudinal effort to address SME Complex Event Resilience. Fig. 7 provides the four objectives of this effort. Feedback and collaboration are welcome.

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3 Chronic natural disaster risks: drought, extreme cold, heat waves, winter storms, flooding. Acute natural disaster risks: hurricanes, storm surge, earthquakes, tsunamis, tornados, and wildfires.

4 Date of the Federal Emergency Declaration.

5 Specifically, the period between March 13 and August 8, 2020.

6 n=1006.