

### Long-Term Disaster Resilience: A Research Gap

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**Introduction:** This research identified a gap in understanding the lived experience of long-term disaster resilience (LTDR). Increasing disasters could influence more people. Therefore, understanding LTDR becomes imperative. Little research documents men and women's reflections following disasters. Current research highlights survivors' mental health, particularly clinical diagnoses like PTSD. Research remains limited on the social impacts long after disasters.

**Aim:** Research aimed to identify a gendered perspective of the lived experience about what contributes to LTDR three years after Ash Wednesday in 1983, the Victorian floods in 1993 and 2010-11, and the 2009 Black Saturday fires.

**Methods:** A comprehensive, systematized search was conducted of peer-reviewed, grey, and secondary literature for a narrative review and thematic analysis.

**Results:** 106 references were identified. After removing duplicates and papers not fitting the inclusion criteria, two papers met the criteria. However, two borderline papers were included due to the closeness of the timeframe and brevity of research available.

**Discussion:** Most research is related to the immediate aftermath or short-term resilience. Papers provided no specific attributes to enhance the lived experience of LTDR as it related to gender. However, factors that could enhance the lived experience of LTDR were drawn from six themes in sociological studies. Presumptive interpretations were made about what factors may provide insight into the social and contextual issues of LTDR. The literature dearth identified the need for long-term disaster resilience research. The most striking conclusion drawn from themes tells how people perceived the way a disaster and the ensuing period affected their personal relationships and circumstances. Overall, positive experiences strengthened their resilience while negative experiences hindered their resilience. While the review resulted in a disappointing outcome, the dearth of LTDR research lacked any reference to gender but confirmed research opportunities for innovative research that could influence policy and practice.

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### Overcoming Ambiguity: Conflict Between Emergency Warning Messages and Socio-Environmental Cues

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**Introduction:** Emergency services are not the only source of information that the public uses when considering taking action during an event. There are also environmental cues, information from the media, or actions by peers that can influence perceptions and actions. When cues from different information sources are

in conflict, it can cause uncertainty about the right protective action to take.

**Aim:** Our research responds to concerns that conflicting cues exacerbate community non-compliance with emergency warnings.

**Methods:** The sample consisted of 2,649 participants who completed one of 32 surveys.

**Results:** The findings from this project confirmed emergency services agencies' suspicions that conflicting cues can affect information processing and risk perceptions, and therefore prevent people from taking appropriate protective action. The results were reasonably consistent across fire and flood scenarios, suggesting the problem of conflicting cues is not hazard-specific. When presented with consistent cues, participants were more likely to evacuate, perceive risk about the event, share information with friends, family, and peers, find emergency warnings to be effective, and comprehend information. When faced with conflicting cues, participants were more likely to seek out additional information. It affected their information processing and self-efficacy. The results did not change for people of different ages, native language, country of birth, or post-hazard experience. This is contrary to most emergency literature research findings, which show that individual differences play a role in impacting propensity to take protective action. However, there does appear to be a significant gender effect. These results require further exploration.

**Discussion:** These findings may be used to assist emergency services agencies to tailor community warnings during time-critical situations, and develop ways to mitigate ambiguity caused by conflicting cues to encourage protective action in order to save lives and properties.

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### Practice, Experience, and Prospect of Disaster Medicine in China

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**Introduction:** In recent years, the development of disaster medicine has made rapid progress in China after the Wenchuan earthquake in 2008. China formed a more systematic and specialized health emergency force. In addition, the Ministry of Emergency Management was established in 2018, which demonstrated that the Chinese government is paying more attention to the disaster rescue work. In this report, the practice, experience, and prospect of disaster medicine in China was reviewed.

**Aim:** To explore the current status and prospects of disaster medicine development in China.

**Methods:** The literature research method was used to analyze literature at home and abroad. It was used to retrospectively analyze the rescue experience of Chinese medical rescue teams, sort out the current situation of disaster medical disciplines and rescue teams, and propose disaster medical development recommendations suitable for China's national conditions.

**Results:** After years of construction, China has formed a more systematic and specialized health emergency force, but the personnel, equipment, plans, and training of the professional