Panel data captured important dynamics in the precautionary behavior of flood-affected residents.

The dynamics of individual precautionary behavior and intentions in response to experiencing a flood event

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BACKGROUND
- Current predominance of the use of cross-sectional surveys in studies on precautionary behavior
- Cross-sectional surveys provide limited temporal snapshots of the variables of interest
- Panel data could show temporal dynamics

PANEL DATA
Longitudinal survey after flood event
May/June 2013 in Germany with 227 respondents for 4 years (3 survey waves: 9, 18, 45 months after flood).

RESULTS
- Precautionary measures are differently implemented regarding their cost categories:
  - Low-cost measures are the most commonly implemented measures
  - High-cost measures are the least commonly implemented measures
  - Motivation does not necessarily lead to implementation of measures
  - High-cost measures have the highest implementation ratio

REFERENCES