

Tracking Health Exposure Data:

Using ArcGIS Online to Coordinate Research on the 2025 Southern California Wildfires

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PROJECT TIMELINE (2025)



The Public Health Extreme Events Research Network (PHEER) includes 350+ public health disaster researchers with the following objectives:



Support the collection of perishable data after a catastrophic event



Jan-Feb Conceptuali- zed the map and began to build an online web application in ArcGIS Online.	March Partnered with RAPID and assisted in the collection of hyperspectral data.	April Collaborated with the Los Angeles County Department of Public Health to identify active researchers.	May-June Reached out to research teams to provide their data collection locations and assessment types.	June-Currer Populated th map with da locations an worked with teams to ma data availab to the research community.
Publicly availa	ble	DUTS AND C	DUTPUTS	sed and

exposure data

collection locations

aggregated

hyperspectral data

CONSIDERATIONS

Environmental health data has the potential to be very sensitive— even de-identified data may become identifiable if it overlaps with data that includes geographic location or demographic information. Thus, combining numerous datasets on a map creates a unique set of challenges in terms of data privacy.

To mitigate these risks, PHEER and our partners at DesignSafe identified a data privacy plan:

- The web application will only display the locations and types of data collected
- Data will link to the location that the data is stored (e.g. DesignSafe)
- Researchers will decide whether their data can be publicly available or if it requires an



Inform the science agenda for the public health disaster field

OVERVIEW

To address the need for coordination and data-sharing among researchers after the LA Wildfires, PHEER developed a wildfire health exposure web map application. The objective is to curate critical exposure data to ensure that efforts are not duplicated.

The map displays the locations and types of data collection related to environmental exposures including but not limited to:



additional layer of privacy

GET INVOLVED

Explore the map here:



If you are a researcher that collected data about the LA wildfires, we would love to include your project on the map!





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background data:

• Fire boundaries

CONTACT INFO

Please contact pheernetwork@gmail.com if you have any questions or feedback.