



RISK REDUCTION GUIDANCE

GENERAL GUIDANCE

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Introduction

The CHaRT Heat Health Risk model combines data from three categories to determine risk:

- **Vulnerability:** factors that make the effects of a hazard more or less damaging, such as social, economic, environmental, or biophysical characteristics of a community.
- **Hazard:** the factor that does damage, such as extreme heat or flooding.
- **Exposure:** the assets at risk from the hazard, such as human lives, infrastructure, or natural resources.

Within these categories, there can be many different driving factors. The factors that drive risk vary locally (for example one location may have a high percentage of outdoor workers while another may have a high rate of diabetes). The CHaRT model explorer allows the user to explore the causal pathway of factors that contribute to local risk. The causal pathway and the maps associated with it help decision makers understand the local drivers of heat health risk. To get specific guidance on risk reduction, a user clicks on the information icon associated with a node (i). The resulting information provides specific information about the factor as well as links to guidance on how to reduce risk resulting from that factor. Many nodes in the model are calculated from finer-grained risk drivers and do not have specific risk reduction information. These nodes direct a user to nodes further down in the model.

Links to guidance documents

Guidance varies by risk driver, and some guidance is pertinent to multiple risks. Some guidance is more appropriate for individuals or households and some for communities or government. The following lists provide links to all the current guidance documentation, grouped by who can best apply it:

Individuals and households

- [Air conditioning](#)
- [Behavioral interventions](#)
- [Fans](#)



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Communities and governments

- [Changing albedo](#)
- [Cooling centers](#)
- [Heat early warning systems](#)
- [Heat planning and surveillance](#)
- [Increased tree cover](#)
- [Indigenous adaptation](#)
- [Worker protections](#)