

MEDICAL EDUCATION

SPEAKERS NETWORK

ESTD **96** DATE

TRENDING MEDICAL EDUCATION TOPIC

Environmental Heat Illness

What is the problem?

Record-breaking heat waves are putting environmental heat illness front and center. Heat kills more Americans on average than any other weather-related disaster, and the climate crisis has been making these extreme events more deadly. Nearly 1,000 people die each year of heat stroke in the United States and countless others develop non-lethal forms of heat illness. This condition is preventable and requires an understanding of the pathophysiology of the condition as well as preventative measures that minimize the risk. This lecture will focus on the range of heat illnesses from heat cramps to heat exhaustion and heat stroke as well as the prevention and treatment for these disorders.

Learning Objectives:

- Explain the difference between heat exhaustion and heat stroke
- Discuss the treatment priorities in patients with severe heat illness
- Discuss how to prevent these illnesses

How do we know this is a problem?

<https://www.reuters.com/world/global-temperatures-near-record-highs-us-china-meet-climate-2023-07-17/>

www.capradio.org/articles/2023/07/26/this-cdc-data-shows-where-rates-of-heat-related-illness-are-highest/

<https://www.cdc.gov/disasters/extremeheat/warning.html>

<https://www.ncbi.nlm.nih.gov/books/NBK553117/#:~:text=Heat%20stress%20or%20heat%20exhaustion,setting%20of%20high%20body%20temperatures>

https://www.medscape.com/viewarticle/809931_1

<https://ephtracking.cdc.gov/Applications/heatTracker/>