

Toolkit to Address Extreme Heat On School Campuses for Education Professionals

Los Angeles County Department of Public Health April 2025







WELCOME!!



Please share your name,

role at the school, and school name in the chat





Who is presenting? LA County Public Health

Office of Environmental Justice & Climate Health

Office of Education Programs & Partnerships



http://publichealth.lacounty.gov/eh/about/environmental-justice-climate-health.htm





1. Board Motion & Toolkit Development Process

- 2. About Extreme Heat
 - Context & Risk Factors
- 3. Summaries of Highlighted Toolkit Recommendations by Content Area with Interactive Group Activities
 - Tools for Decision-Making
- 4. Next Steps & Resources
- 5. Q&A

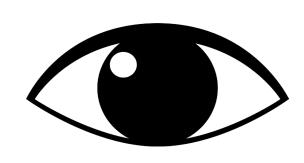


- 1. Provide **awareness** of LA County Board Motion on Extreme Heat and the increasing rates of extreme heat in LA County.
- 2. Provide overview of LA County Heat Toolkit & Resources. Participants will learn how to use the Heat Toolkit as a resource.
- 3. Understand the **risks of heat** exposure and heat illness and how it impacts the health, learning and wellbeing of students.
- 4. Promote **best practices for communicating** about heat.
- **5.** Improve capacity of schools to prevent heat illness and other negative impacts of heat.

Takeaways on Heat









Plan Ahead.

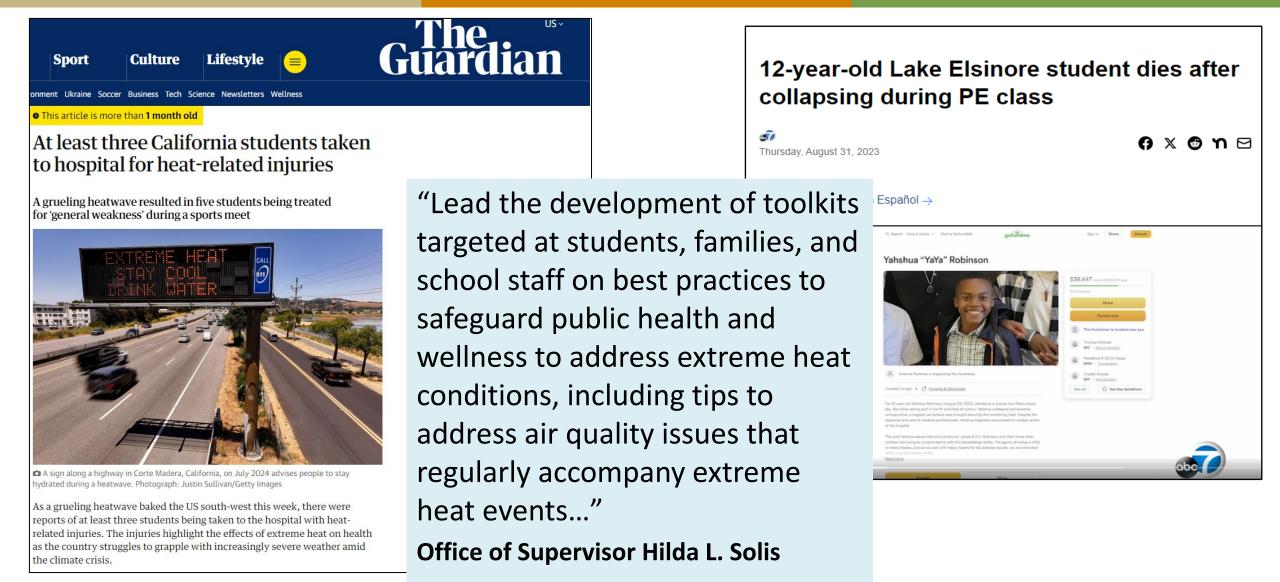
Set a plan and roles using the forecast tools and prepare your campus environment. Recognize the signs.

Remember what to look out for and how to act. Spread the word!

Educate others with messaging and materials.

Board Motion 9/12/23: Protecting Vulnerable Students from Extreme Heat on School Campuses









Please share in the chat....

What brings you here today?



How has heat affected your work on campus?

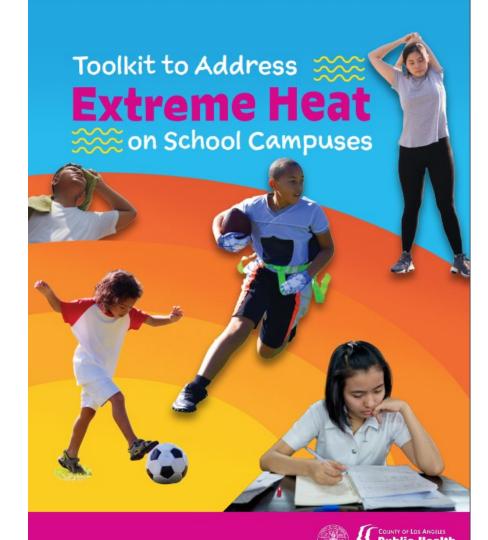






Toolkit Research & Development Process





- Gathered and reviewed existing resources and guidance
- Met with school district representatives and other partners
 - Department of Public Health, LA County Office of Education & LA Unified School District
- Affirmed a need for a heat toolkit including:
 - Weather surveillance and notifications
 - Preventative tips and guidance on temperatures, heat illness, hydration, physical activity, sports
 - Education, training and materials/resources for staff, teachers-coaches, students, and families



Focus of Toolkit

Provide resources and guidance on how to protect students from heat at school.

>> consider potential impacts >> provide prevention activities

Desired Results

□ All students and staff at school are **safe** from heat-related illness and death.

□ Students learning and engagement continues, without disruption, on hot days at school.

What Works

- ✓ **Teach** and reinforce awareness of the heat exposure and illness risks
- ✓ Promote using best practices for effective communication related to hot weather
- Provide & promote existing guidance and resources for managing activities on hot days, using your location's "HeatRisk" forecast level
- ✓ Improve school capacity to prevent heat illness and other impacts of hot weather

Education | Guidance | Weather Forecast Tools | Reports & Data

http://publichealth.lacounty.gov/eh/safety/extreme-heat.htm

How to Use Toolkit

A. About Extreme Heat





C. Air Quality



D. Impacts of Extreme Heat on Learning, Well Being, Mental and Emotional Health



E. Hydration and Diet



F. Clothing and Sun Protection, Cooling and Shade



G. Physical Education and Extra Curricular Activities



H. Athletics



I. Preparing for the Heat Season

Every Section Contains:

- Key Content Areas
- Resources
- ✓ Highlighted Recommendations

http://publichealth.lacounty.gov/eh/safety/extreme-heat.htm





About Extreme Heat

Background: context & risk factors



"There is hot, and then there is hot!

Extreme heat is a period of high heat and humidity with temperatures above 90 degrees for at least 2 to 3 days. In extreme heat, your body works extra hard to maintain a normal temperature, which can lead to death. Extreme heat is responsible for the highest number of annual deaths among all weatherrelated hazards."

Ready.gov





Extreme heat is a period of high heat and humidity with temperatures above 90 degrees for at least 2-3 days.

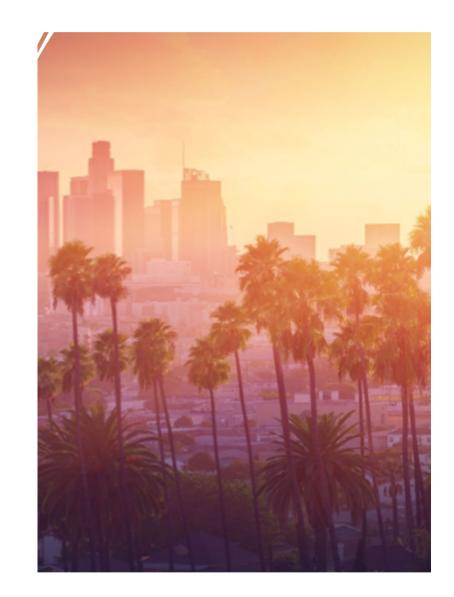
(defined by Federal government)

- Los Angeles County is having more extreme heat waves that **last longer.**
- Hot days are happening later into the summer.
- Scientists predict there will be even more extreme hot days in the future.



Recent Temperature Records

- The hottest years in history have all been in the last 11 years (2014-2024).
- 2024 was the warmest year globally since records began in 1850.
- 2024 surpassed 2023 as the warmest year globally on record (extreme heat is getting worse!)





What Weather Occurrences Are The Most Deadly Each Year? *Please put your answer in the chat.*

- Flooding?
- Heat?
- Cold?
- Tornadoes?
- Hurricanes?







Extreme Heat Can be Deadly

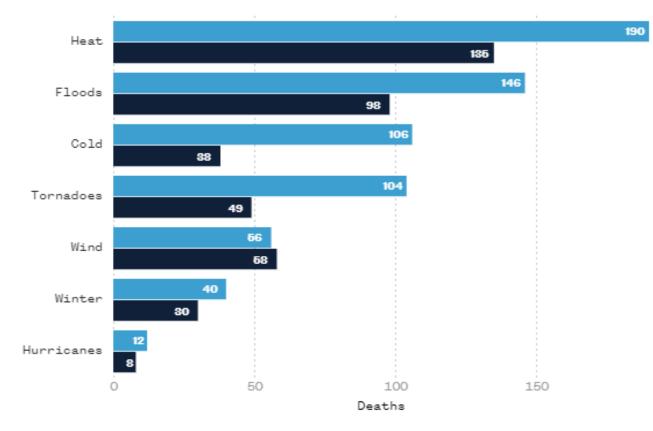
Extreme heat is the deadliest weather-related hazard.

It is also a leading cause of death among student athletes.

Heat's hidden toll

Extreme heat, which is projected to become more severe as the world warms, is already responsible for more deaths in the U.S. than any other weather hazard.

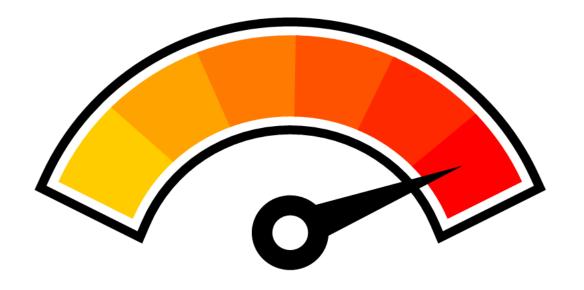
2021 deaths 📕 Yearly average, 2012-2021





In hot weather, the body works hard to stay cool.

- If the body can't cool down, it can lead to heat-related illnesses or even death.
- Extreme heat causes the **most deaths** from all weather-related dangers.
- Certain groups are at greater risk, including people who:
 - Do not have permanent housing
 - Work or exercise outdoor
 - Are taking certain medications
 - Have disabilities
 - Live in low-income communities
 - Are older adults or infants





Areas within a city that are significantly warmer than surrounding areas due to human activities and structures that absorb and retain heat.

Urban Heat Islands include:

- Areas with few trees or green spaces and many roads and buildings.
- Cities often replace natural land with roads, pavement, and buildings.
- Surfaces like concrete and asphalt absorb and hold onto heat.
- Unshaded concrete and asphalt radiate heat, making temperatures 15 - 20 degrees Fahrenheit warmer.

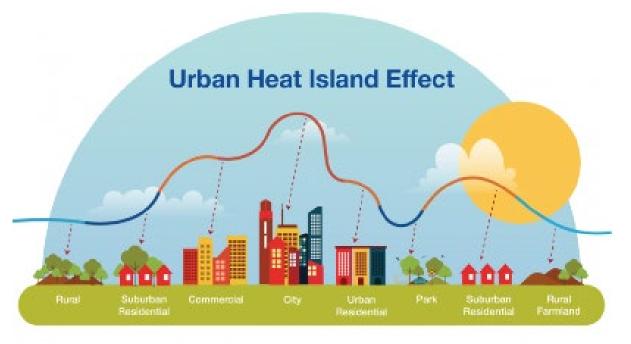
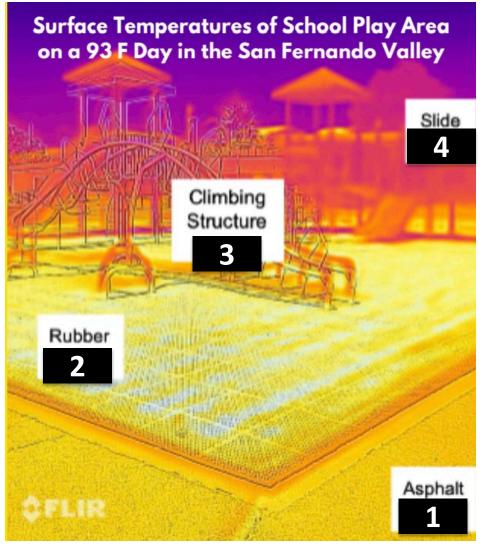


Image: City of Little Rock Arkansas

For more information on heat islands: <u>https://www.epa.gov/heatislands/learn-about-heat-islands#heat-islands</u>





Source: Luskin Center for Innovation Protecting-Californians-with-Heat-Resilient-Schools.pdf

Let's take a test. Guess how hot...

- 1. Asphalt 3. Climbing structure
- 2. Rubber 4. Slide

Paved Surfaces:

 Playgrounds that are covered with asphalt or concrete absorb and retain heat from the sun.

Lack of Greenery:

- Often, playgrounds have limited vegetation or trees for shade.
- Without cooling through shade, the playground can heat up significantly.

Extreme Heat at Schools





Extreme heat especially affects students in schools.

- Youth are usually outside during the hottest part of the day.
- Many schoolyards do not have enough shade and have dark surfaces that get very hot.
- Sports are played on artificial turf, which gets hotter than other surfaces.



There are wide disparities across schools.

- Available AC resources or cooling rooms
- Access to shade and tree coverage
- Inconsistent Physical Education (PE) guidance
- Varying understanding of the risks and how to respond to extreme heat
- Amount of people who experience heat versus those that are adjusted to it



Extreme Heat Risk Factors



Many factors can affect how well someone can cool down in very hot weather.

Personal/Individual Factors:

- Age
- Being overweight
- Not drinking enough water (dehydration)
- Heart problems
- Mental health issues
- Having asthma
- Poor blood circulation
- Having a sunburn
- Being pregnant
- Using certain medications
- Consuming caffeine or alcohol

Exertion Levels:

- Even young and healthy people can get sick if they do strenuous activities during hot weather.
 (example: intense exercise classes)
 - (example: intense exercise classes)
- Getting used to heat gradually happens over 1-2 weeks.

High Humidity:

 Sweat drying off is the main way our bodies cool down. When it is very humid, sweat does not dry off the skin quickly.

Takeaways on Heat





Set a plan and roles using the forecast tools and prepare your campus environment.



Remember what to look out for and how to act.



Spread the word!

Educate others with messaging and materials.

Types of Heat Illness





- 1. Heat rash
- 2. Sunburn
- 3. Heat cramps
- 4. Heat exhaustion
- 5. Heat stroke

Heat Rash



SYMPTOMS:

 Red clusters of small blisters that look like pimples on the skin (usually on the neck, chest, groin, or in elbow creases)

WHAT TO DO:

- 1. Stay in a cool, dry place
- 2. Keep the rash dry
- 3. Use powder (like baby powder) to soothe the rash



Image: Canva.com

Sunburn





Image: Canva.com

SYMPTOMS:

- Painful, red, and warm skin
- Blisters on the skin

WHAT TO DO:

- 1. Stay out of the sun until sunburn heals
- 2. Put cool cloths on sunburned areas or take a cool bath
- 3. Put moisturizing lotion on sunburned

areas

4. Do not break blisters

Heat Cramps



SYMPTOMS:

- Heavy sweating during intense exercise
- Muscle pain or spasms

WHAT TO DO:

- 1. Stop physical activity and move to a cool place
- 2. Drink water or a sports drink
- 3. Wait for cramps to go away before doing any more physical activity

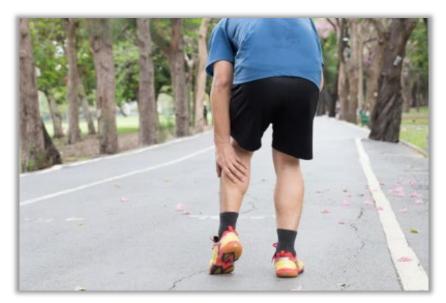


Image: Canva.com

Get medical help right away if:

- Cramps last longer than 1 hour
- On a low-sodium diet
- Have heart problems

Heat Exhaustion



- When the body gets too hot and loses a lot of water and salt from sweating too much.
- SYMPTOMS: heavy sweating; cold, pale and clammy skin; fast, weak pulse; nausea or vomiting; muscle cramps; feeling tired or weak; dizziness; headache; and fainting.
- WHAT TO DO: move to a cool place, loosen clothes, put cool wet cloths on body (or take a cool bath), and sip water to prevent something more serious, heat stroke.

Source: https://www.cdc.gov/disasters/extremeheat/pdf/Heat_Related_Illness.pdf



Image: Canva.com

Get medical help right away if:

- Throwing up
- Symptoms get worse
- Symptoms last longer than 1 hour

Heat Stroke



- Serious and life-threatening condition where the body gets too hot and can't cool down by itself anymore.
- High body temperature can get very high, 103°F or over (39.4°C).
- **SYMPTOMS**: hot, red, dry or damp skin; fast, strong pulse; headache; dizziness, nausea; confusion; and losing consciousness (passing out).

Source: https://www.cdc.gov/disasters/extremeheat/pdf/Heat Related Illness.pdf

WHAT TO DO: Call 911 right away!

- Heat stroke is a medical emergency
- Move person to a cooler place
- Help lower the person's temperature with cool cloths or a cool bath
- Do not give the person anything to drink



Image: Canva.com





Please stretch and take a break



Summaries of Highlighted Toolkit Recommendations by Content Area

Putting what you've learned into action!

Takeaways on Heat

campus environment,





Part A: Extreme Heat



Our Dry Heat is Getting Drier & Hotter



Know the weather and air quality forecast in your area

- Subscribe to advisories, use HeatRisk, Air Now and other forecast tools.
- □ Be aware of ongoing days of high temperatures.
- Develop a plan for your campus to protect people during the heat
 - Assess the need to reschedule, cancel activities, or move to alternative or cooled indoor spaces.
 - □ If a circumstance is unclear or uncertain, cancel.

Notify your school community about the HeatRisk level and actions to take

Use the CDPH Heat Risk Grid and HeatReadyCA assets (talking points, social media) to frame your messaging to parents, other faculty and students.

HeatRisk Forecast Tool



Plan for hot weather with the National Weather Service's tool, called *HeatRisk*

- Daily forecast of how risky the heat is for the next week
- Looks at:
 - How unusual the heat is for that time of year
 - How long it will last
 - CDC data to estimate the risk
- Different colors and numbers show heat risk with tips for staying safe
 https://www.wpc.ncep.noaa.gov/heatrisk/

NWS HeatRisk

Identifying Potential Heat Risks in the Seven Day Forecast

ſ	Mon	Tue	Wed	Thu	Fri	Sat	Sun
	7/15	7/16	7/17	7/18	7/19	7/20	7/21

Click map for potential heat risks and NWS forecast for a location.

The NWS HeatRisk is an experimental color-numeric-based index that provides a forecast risk of heat-related impacts to occur over a 24-hour period. HeatRisk takes into consideration:

- How unusual the heat is for the time of the year
- The duration of the heat including both daytime and nighttime temperatures
- If those temperatures pose an elevated risk of heat-related impacts based on data from the CDC

This index is supplementary to official NWS heat products and is meant to provide risk guidance for those decision makers and heat-sensitive populations () who need to take actions at levels that may be below current NWS heat product levels.

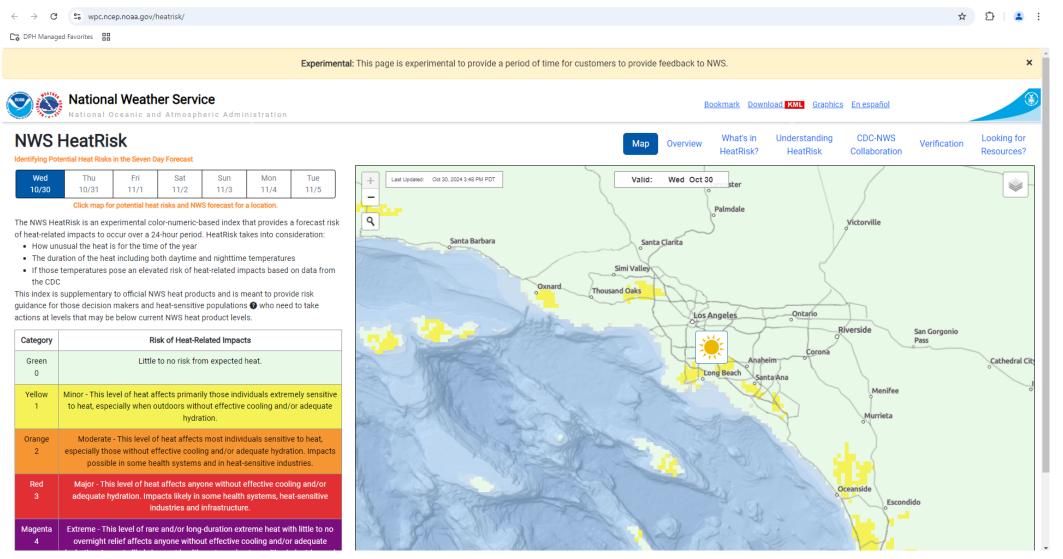
Category	Risk of Heat-Related Impacts				
Green 0	Little to no risk from expected heat.				
Yellow 1	Minor - This level of heat affects primarily those individuals extremely sensitive to heat, especially when outdoors without effective cooling and/or adequate hydration.				
Orange 2	Moderate - This level of heat affects most individuals sensitive to heat, especially those without effective cooling and/or adequate hydration. Impacts possible in some health systems and in heat-sensitive industries.				
Red 3	Major - This level of heat affects anyone without effective cooling and/or adequate hydration. Impacts likely in some health systems, heat-sensitive industries and infrastructure.				
Magenta 4	Extreme - This level of rare and/or long-duration extreme heat with little to no overnight relief affects anyone without effective cooling and/or adequate hydration. Impacts likely in most health systems, heat sensitive industries and infrastructure.				

Comments? Questions? Please Contact Us



NWS HeatRisk Forecast Tool

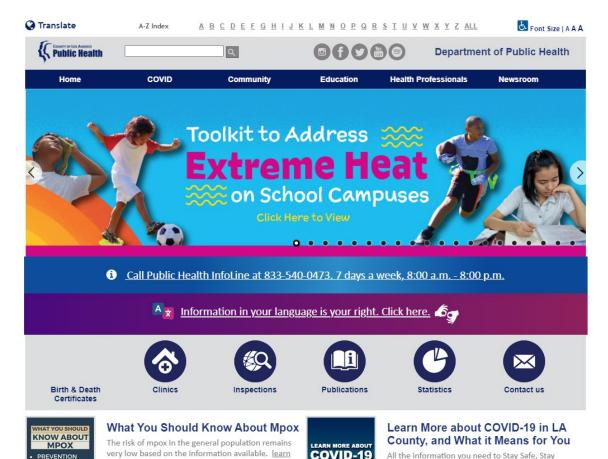




https://www.wpc.ncep.noaa.gov/heatrisk/



Heat-related illnesses and deaths are **preventable** with awareness and preparation.



Healthy, & Get Vaccinated! Learn more.

REVENTION

more

Department of Public Health (DPH) -Weather Advisories Subscribers of DPH - Weather Advisories

Messaging based on National Weather Service & LA County Office of Emergency Management announcements

Value Risk What does this mean? Who / What is at risk? What actions can be taken? 0 Little to · This level of heat poses little to no risk from No elevated risk No preventative actions necessary (Green) None expected heat · Heat of this type is tolerated by most; however, Primarily those who are extremely sensitive to Increase hydration 1 there is a minor risk for extremely heatheat,* especially when outdoors without effective Reduce time spent outdoors or stay in Minor (Yellow) sensitive groups* to experience negative heatcooling and/or adequate hydration the shade when the sun is strongest related health effects Open windows at night and use fans Heat of this type is tolerated by many; however, Primarily heat-sensitive or heat-vulnerable Reduce time in the sun during the there is a moderate risk for members of heatgroups,* especially those without effective cooling warmest part of the day sensitive groups* to experience negative heator hydration Stay hydrated related health effects, including heat illness Those not acclimatized to this level of heat (i.e., Stay in a cool place during the heat of Some risk for the general population who are visitors) the day (usually 10 a.m. to 5 p.m.) 2 Moderate exposed to the sun for longer periods of time Otherwise healthy individuals exposed to longer Move outdoor activities to cooler times (Orange) Living spaces without air conditioning can duration heat, without effective cooling or of the day become uncomfortable during the afternoon hydration, such as in the sun at an outdoor venue For those without air conditioning, use and evening, but fans and leaving windows Some transportation and utilities sectors fans to keep air moving and open open at night will help Some health systems will see increased demand, windows at night to bring cooler air with increases in emergency room visits inside buildings Heat of this type represents a major risk to all Much of the population, especially anyone Cancel outdoor activities during the individuals who are 1) exposed to the sun and heat of the day** (usually 10 a.m. to 5 without effective cooling or hydration p.m.), and move activities to the coolest active or 2) are in a heat-sensitive group Those exposed to the heat/sun at outdoor venues Dangerous to anyone without proper parts of the day Health systems likely to see increased demand with hydration or adequate cooling significant increases in emergency room visits Stay hydrated 3 Major Stay in a cool place especially during the Living spaces without air conditioning can Most transportation and utilities sectors (Red) become deadly during the afternoon and heat of the day and evening evening. Fans and open windows will not be as If you have access to air conditioning, effective. use it, or find a location that does. Even • Poor air quality is possible a few hours in a cool location can lower risk. Fans may not be adequate. Power interruptions may occur · This is a rare level of heat leading to an extreme • Entire population exposed to the heat is at risk Cancel outdoor activities** risk for the entire population For people without effective cooling, especially Stay hydrated Very dangerous to anyone without proper heat-sensitive groups, this level of heat can be Stay in a cool place, including overnight hydration or adequate cooling deadly If you have access to air conditioning, 4 This is a multi-day excessive heat event. A Health systems highly likely to see increased use it, or find a location that does. Even Extreme (Magenta) prolonged period of heat is dangerous for demand with significant increases in emergency a few hours in a cool location can lower everyone not prepared room visits risk. Fans will not be adequate. • Poor air quality is likely Most transportation and utilities sectors Check on your neighbors Power outages are increasingly likely as electrical demands may reach critical levels

Revised July 27, 2023. Adapted from the National Weather Service (NWS) HeatRisk tool. Learn more about how to stay safe during extreme heat at CDPH Extreme Heat.

CDPH Heat Risk Grid: Understanding "HeatRisk" Level, Who is At Risk, and What Actions to Take

COUNTY OF LOS ANGELES Public Health

Use the **CDPH Heat**

Risk Grid to guide

actions for your

school's staff,

students and

parents.

https://www.cdph.ca.gov/Prog rams/EPO/Pages/Extreme%20 Heat%20Pages/extreme-heatguidance-for-schools.aspx

*Populations at higher risk of heat-related health impacts include older adults, young children, unhoused residents, those with chronic health conditions, outdoor workers, those exercising or doing strenuous activities outdoors during the heat of the day, pregnant individuals, those living in low-income communities, and more. ** For Extreme (Magenta/4) and Major (Red/3) risk levels, CDPH recommends more caution and therefore guides canceling outdoor activities based on these scenarios.



- Provide information/messaging on the signs & symptoms and how to respond.
 - Train school nurses to respond and treat
 - **Train** student heat ambassadors
 - Encourage everyone to watch for signs and symptoms in themselves and others
 - Provide your school community (incl. families), heat-related health education, guidance, cooling center locations, in multiple languages.

- Install or improve cooling equipment and/or spaces, hydration and shading where possible.
 - Maintain good working condition of hydration stations
 - Avoid use of fans alone in extreme heat (high 90s and up).
 - □ Identify alternative cooling spaces if AC is not available (gym, cafeteria, library)
 - Review School Cooling Funding
 Opportunities to modernize and
 become resilient against extreme heat.



□ Closely monitor the health and well-being of students, especially those who are less aware of and unable to recognize heat symptoms and dehydration

□ When it's going to be hot or the *HeatRisk* forecast level is elevated:

□ Assess each day's campus conditions and planned activities

Provide guidance/direction on moving locations, modifying or canceling activities, athletics, and extracurricular activities to reduce risk

Create a heat plan with trigger points including:

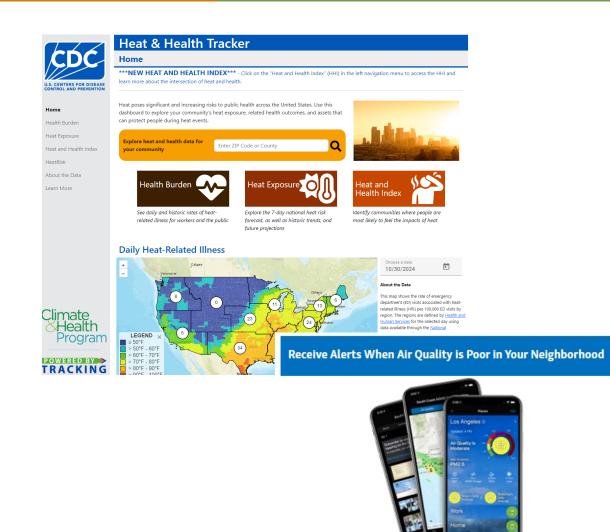
- Decreased activity
- Increased attention and messaging on hydration and monitoring symptoms
- Communication to staff, teachers, coaches and families



Hotter temperatures contribute to more air pollution and poorer air quality.

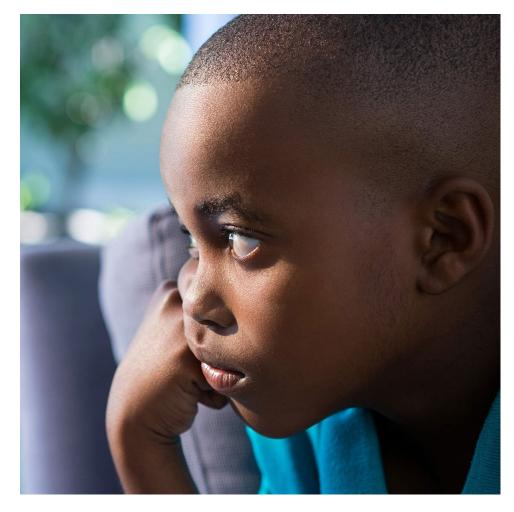
Daily extreme heat and air quality can be tracked using:

- 1. National Weather Service (NWS) <u>HeatRisk forecast tool</u>
- 2. CDC Heat & Health Tracker
- 3. U.S. Environmental Protection Agency's Air Quality Index, <u>AirNow</u>
- 4. <u>South Coast AQMD's app</u>, which provides real-time and forecasted air quality



Highlighted Recommendations: Impacts of Extreme Heat on Learning, Well Being, Mental & Emotional Health





This Photo by Unknown Author is licensed under CC BY-NC-ND

Observe how heat is impacting students' ability to focus, learn and interact.

Prepare indoor activities

- Have grade-appropriate activities that address students' experience, feelings and distress to heat (eco-anxiety).
- Provide students and families resources, cooling center locations and information on how to keep homes-units cool, in case air conditioning is not available.

Be aware of students taking medications

(incl. for mental or behavioral health)

 It may impair their ability to stay cool and worsen their conditions.

http://publichealth.lacounty.gov/eh/docs/safety/Extreme_Heat_Toolkit.pdf

What are your campuses currently doing to address extreme heat?



REFLECTION ACTIVITY

Think about the following:

- 1. What are some current strengths (successes) of your campus's ability to address heat?
- 2. What are areas that need improvement (key challenges/barriers or needs)?
 - Who needs to be trained?
 - What needs to be fixed?
 - When would this need to take place?
- 3. Ideas or draft of a heat alert plan for your campus.
- 4. What are grade appropriate indoor activities students can do indoors during periods of heat?

✓ **Draft a checklist of to-dos** on what supplies or resources are needed to implement this.

Takeaways on Heat





Plan Ahead.

Set a plan and roles using the forecast tools and prepare your campus environment.



Remember what to look out for and how to act.

Spread the word!

Educate others with messaging and materials.

Part E: Hydration & Diet



About half of school-aged children are under-hydrated.

1 in 5 children & adolescents do not drink any plain water during the day.

Signs of Dehydration (4)

Dehydration occurs when you use or lose more water than you take in, and your body doesn't have enough water and other fluids to carry out its normal functions including keeping the body cool when it's hot. Dehydration can be mild and can be severe enough to be life-threatening.

- Feeling thirsty
- Dry tongue or mouth
- Urinating and sweating less than usual
- Dark-colored urine
- Dry skin
- Feeling tired

- Nausea
- Headache
- Dizziness-Confusion
- Irritable and anxious
- Unusually sleepy



Ensure easy access to drinking water for all!

- **Provide** regular hydration breaks
- □ Maintain campus-wide hydration stations
- **Create guidance** for water bottle usage
- **Regularly remind** students to hydrate using posters, text messages and other messaging
 - During periods of extreme heat or elevated HeatRisk
 - After PE and/or direct sun exposure
- **Educate** students & families on:
 - The benefits of hydration
 - Food and fluids/beverages that support hydration and what to avoid
 - How to assess hydration levels and prevent dehydration

Highlighted Recommendations: Clothing & Sun Protection





Encourage students to wear protective clothing, hats, sunglasses, and sunscreen, with a minimum of SPF 15

Implement <u>CDC guidelines</u> to create sun-safe places that reduce exposure to UV radiation <u>https://www.cdc.gov/mmwr/PDF/rr/rr5104.pdf</u>

Provide education and messaging to staff, students and families on:

- Sun safety and the risks of heat-related illness and skin damage from UV radiation and sun exposure
- Appropriate clothing and use of sunscreen



Prepare your campus before the next heat season:

- Provide information and education to students, teachers, and staff on heat-related risks, signs and symptoms, with tips for prevention.
- **Delegate** responsibilities for monitoring weather and air quality.
- Identify temperature thresholds of when physical and/or outdoor activities should be modified or cancelled.
- □ Assess cooling equipment (incl. fans and air conditioners) is working.
- □ Assess locations where people spend time, to be modified during extreme heat.
- **Establish** effective communication strategies to reach teachers, staff and students.
 - Include heat as a topic in assemblies, staff meetings, and communications to families before and during high heat season.
 - Encourage students to be preventative staying hydrated, etc.
- Focus on the vulnerability of students closely monitoring health & well-being of students who may not exert control over their own physical environments.



OPTIONAL REFLECTION ACTIVITY

Think about the following:

- 1. What are 3-5 key messages for your campus? Regarding...
 - Hydration & diet
 - Sun protection & clothing
- 2. How would these messages be disseminated to...

	Students? Staff?	Key Message	Audience	When (+how often)
-	Parents & Caregivers?			

3. Where, when and how often would this take place?

✓ Draft a checklist of to-dos on what supplies or resources are needed to implement this.

Highlighted Recommendations: Physical Education & Athletics



Identify areas of shade outside during physical activity.
 Make sure water is available during outdoor activities.
 Train coaches and school nurses to recognize, respond and treat.

- Determine and provide guidance on changing locations, rescheduling, deferment or canceling during periods of heat or elevated HeatRisk.
- Allow for creative and alternative movement, (i.e. stretching, putting on a play, or dancing).
- Assess uniforms, costumes and other equipment required for their comfort and safety.

Highlighted Recommendations: Athletics



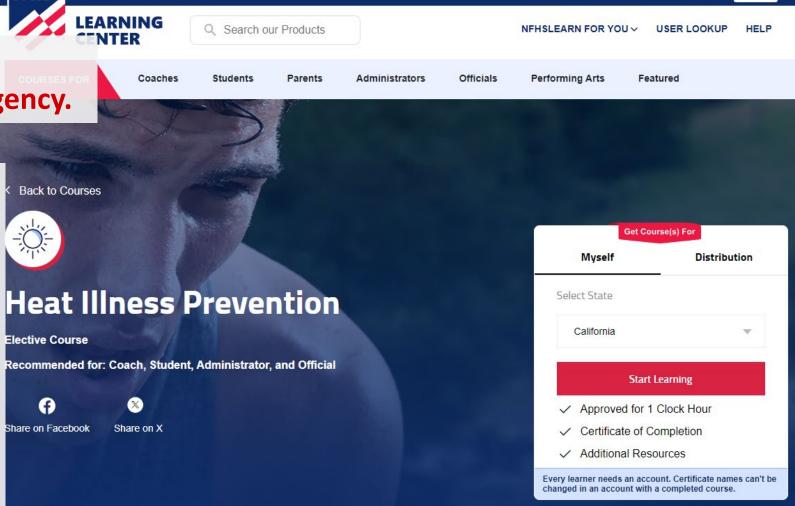
Sign In

Register

Heat stroke in athletes is considered a medical emergency.

Assembly Bill 2800, California High School Coaching Education and Training Program: High school coaches are required to be trained with a basic understanding of

a basic understanding of heat-related illness with free, online trainings.



NFHSLearn.com

https://nfhslearn.com/courses/heat-illness-prevention-2



Next Steps & Resources

What you can do as Education Leaders





- >Consider your role in protecting students from extreme heat
- Sign up for DPH heat advisories: https://bit.ly/DPHPartners
- Check out DPH Stay Healthy in the Heat website: <u>http://publichealth.lacounty.gov/eh/safety/extreme-heat.htm</u>
- Learn more about who is at risk for heat illness: <u>https://heatready.ca.gov/</u>
- Find out about shading and cooling funding opportunities: <u>http://ph.lacounty.gov/place/docs/SchoolCoolingGrantOpportunities_web.pdf</u>

As a group: What are other actions you plan to take?

For more resources, trainings and guidance, use <u>the Extreme Heat Toolkit</u>

Resources: General Information



For more resources, trainings and guidance, refer to <u>the Extreme Heat Toolkit</u>

Contact	Call:	WEATHER FORECAST TOOLS			
General	911		Link	Description	
Emergency Number	911		Heat Risk Forecast Tool National Weather Service (NWS)	Heat Risk Forecast Tool Use the National Weather Service (NWS) HeatRisk Forecast Tool to monitor your location's heat risk level and determine your school community's risk of heat impacts.	
			Heat Risk Grid California Department of Public Health (CDPH)	CDPH Heat Risk Grid: Understanding HeatRisk Level, Who is At Risk, and What Actions to Take Once your school determines the HeatRisk level based on	
Non- Emergency	211			the National Weather Service (NWS) HeatRisk forecast tool, use the CDPH Heat Risk Grid to understand what each risk level means, who is at risk and what general actions can be taken to protect those in your school community.	
Essential Local Services				WetBulb Globe Temperature According to the National Weather Service, a WetBulb Globe Temperature (WBGT) is a measure of the heat stress in direct sunlight, which takes into account: temperature, humidity, wind speed, sun angle, and cloud	
Public Health InfoLine	833-540-0473		Wet Bulb Globe Temperature Overview California Interscholastic Federation (CIF)	cover (solar radiation). This differs from the heat index, which takes into consideration temperature and humidity and is calculated for shady areas. Using a WBGT monitor on-site provides more accurate data than that from the National Weather Service and can help athletic programs to dictate modifications in activity (work/rest ratios, hydration breaks, equipment work, length of practice) that make sports safer for all participants.	

http://publichealth.lacounty.gov/eh/docs/safety/Extreme Heat Toolkit.pdf



Resources and services provided over the phone to Los Angeles County residents for public health issues:

- COVID-19 related inquiries
- Women's health
- Maternal health
- Nutrition
- Tobacco cessation
- Many more!



Call Us for Reliable Health Information!



Find out how to get your updated COVID-19 vaccine & treatment



Get access to clinics for childhood immunizations



Learn more about reproductive health



Get mental health resources



Discover community resources to boost your health and wellness!

DPH needs your comments & suggestions!





We are particularly interested in feedback on the following areas:

Clarity and Usability: Are the content areas easy to understand and provide enough information?

Relevance: Do highlighted recommendations address the specific challenges your school faces due to extreme heat?

Effectiveness: Have you tried any of the highlighted recommendations, and if so, what was your experience?

Additional Resources: Are there any other tools, resources, or strategies you believe should be included?

General Feedback: Any other comments or suggestions to improve the overall quality and utility of the toolkit.

Your input will help ensure that the guidance provided is relevant, actionable, and beneficial for schools.

PLEASE SEND YOUR FEEDBACK TO DPH-OEJCH@PH.LACOUNTY.GOV.



Thank You! Any questions, comments, suggestions?

Contact:

DPH-OEJCH@PH.LACOUNTY.GOV (Office of Environmental Justice & Climate Health)

DPH-EDUCATION@PH.LACOUNTY.GOV (Office of Education Programs & Partnerships)