



NWS HeatRisk



A Prototype Service to Help Emergency Managers, Heat Health Decision Makers, First Responders, and the Community Quickly Identify the Potential For Impactful Heat

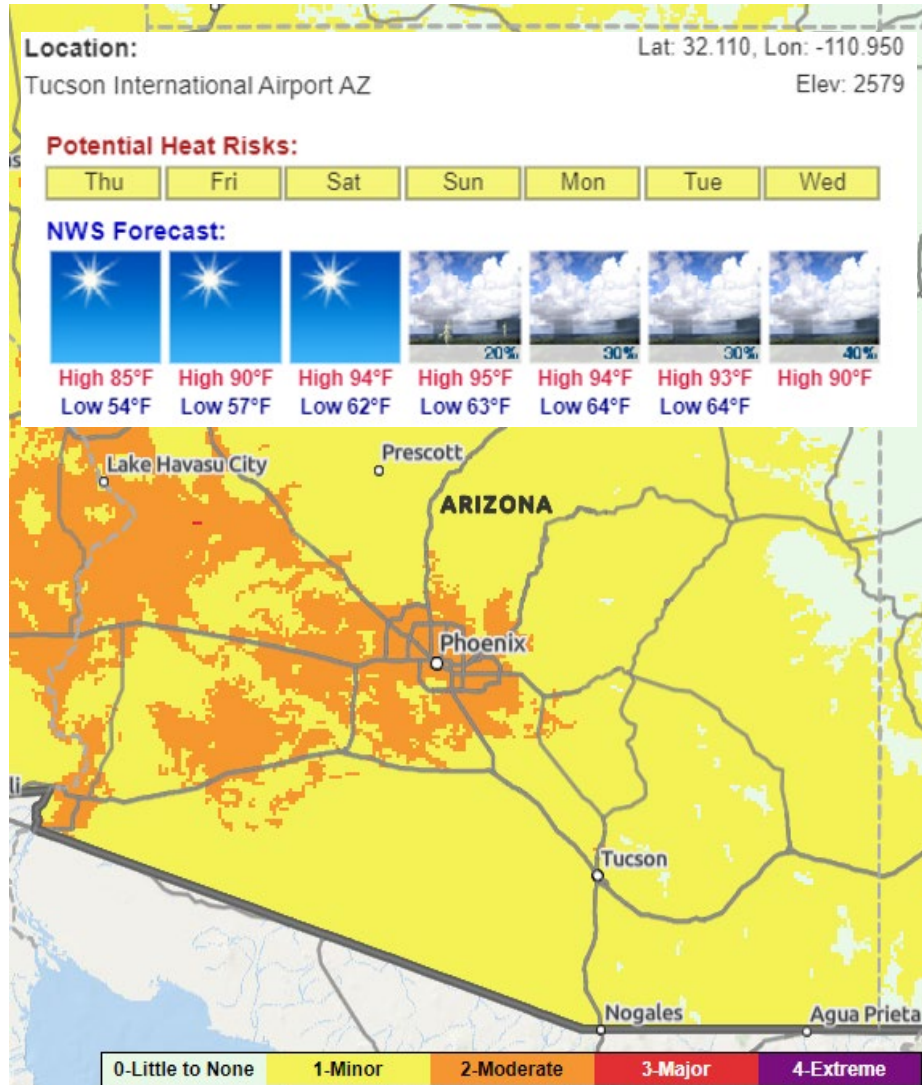
- **Extreme Heat Kills Hundreds of People Each Year**

- **NWS HeatRisk Provides a Simple Approach**

- **Compliments NWS's Traditional Excessive Heat Watches & Warnings**

- **Uses High-Resolution Weather, Climate, and Center of Disease Control Heat Health Data to Relate Forecast Temperatures for Any Location to Its Own Climate**

- **Provides Organizations & Decision Makers with Advanced Awareness of Extreme Heat**



HeatRisk	Meaning	Who/What is at Risk?	How Common?	What actions can be taken?
None	<ul style="list-style-type: none"> Level of heat poses little to no risk 	<ul style="list-style-type: none"> No elevated risk 	<ul style="list-style-type: none"> Very Common 	<ul style="list-style-type: none"> No additional preventative actions should be necessary.
Minor	<ul style="list-style-type: none"> Heat of this type is tolerated by most; but there is a minor risk for extremely heat-sensitive groups to experience negative health effects 	<ul style="list-style-type: none"> Primarily those who are extremely sensitive to heat, esp. when outdoors without effective cooling and/or hydration. 	<ul style="list-style-type: none"> Very Common 	<ul style="list-style-type: none"> Increase hydration Reduce time spent outdoors or stay in the shade when the sun is strongest Open windows at night and use fans to bring cooler air inside buildings
Moderate	<ul style="list-style-type: none"> Moderate risk for members of heat sensitive groups to experience health effects Some risk for the general population who are exposed to the sun for longer periods time For those without air conditioning, living spaces can become warm and uncomfortable during the day, but should cool below dangerous levels at night 	<ul style="list-style-type: none"> Primarily heat-sensitive or vulnerable groups, especially those without effective cooling and/or hydration Some transportation and utilities sectors and health systems will see some impacts due to heat 	<ul style="list-style-type: none"> Fairly common most locations Very common in southern regions of country 	<ul style="list-style-type: none"> Reduce time in the sun during the warmest parts of the day Stay hydrated Stay in a cool place during the heat of the day Move outdoor activities to cooler times of the day Open windows at night and use fans to bring cooler air inside buildings and circulate air
Major	<ul style="list-style-type: none"> Major Risk for much of the population who are 1) exposed to the sun and active or 2) are in a heat-sensitive group Dangerous to anyone without proper hydration or adequate cooling Poor air quality is possible Power interruptions may occur as electrical demands increase 	<ul style="list-style-type: none"> Much of the population, especially those who are heat-sensitive and anyone without effective cooling and/or hydration Most health, transportation and utilities sectors 	<ul style="list-style-type: none"> Uncommon most northern locations Fairly common in southern regions of country 	<ul style="list-style-type: none"> Try to avoid being outdoors sun during the warmest parts of the day Stay hydrated Stay in a cool place especially during the heat of the day If you have access to air conditioning, use it. Fans may not be adequate Consider canceling outdoor activities during the heat of the day, or move activities to cooler parts of the day
Extreme	<ul style="list-style-type: none"> Extreme Risk for entire population Very dangerous to anyone without proper hydration or adequate cooling This is a multi-day excessive heat event. Prolonged heat is dangerous to anyone not prepared Poor air quality is likely Power outages are increasingly likely as electrical demands may reach critical levels 	<ul style="list-style-type: none"> Entire population exposed to heat at risk For heat sensitive groups, especially people without effective cooling, this level of heat can be deadly Health systems highly likely to see increased demand Most utilities and transportation sectors 	<ul style="list-style-type: none"> Rare most locations Occurs up to a few times a year in southern regions of country, especially the Desert Southwest 	<ul style="list-style-type: none"> Avoid being outdoors during the heat of the day Stay hydrated Stay in a cool place, including overnight period Find access to air conditioning Fans will not be adequate Strongly consider canceling outdoor activities Check on others who may not be able to take these precautions