

HEALTHY ARIZONA WORKSITES PROGRAM (HAWP) PRESENTS:

HOW TO PROTECT EMPLOYEE HEALTH FROM CLIMATE SENSITIVE-HAZARDS FOUND IN ARIZONA

Presented by:

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WEBINAR HOUSEKEEPING

WELCOME

All lines have been muted.

Please type any questions into the chat or Questions panel and we will do our best to answer them all at the end.

All handouts and a copy of the presentation slides are available in the Handouts panel.

Please complete the survey that will be emailed out after the presentation

A recording will be added to the library of HAWP webinars on our website within 48 hours.

Special thanks to our supporting partner Arizona Department of Health Services for their generous support in making this webinar possible.





Learning Objectives

- Become familiar with the impacts of weather hazards on human health
- Recognize the problems associated with it
- Learn about interventions and local resources

Unique Extreme Weather Events

- Extreme Heat
- Flooding
- Drought
- Dust Storms
- Wildfires
- Winter Storms









Temperature Records As of 8/28/20



We did it! 50 days of 110 or greater this summer in Phoenix.





BRIDGING CLIMATE CHANGE AND HEALTH WORKGROUP

Starting in 2016, Maricopa County hosted several 'Bridging Climate Change and Public Health' meetings which convened representatives from a diverse array of local community organizations, private businesses, government agencies, and academic institutions. Facilitated discussion helped identify local activities in the fields of climate and health, as well as stakeholders' perceived needs of the community and barriers to successful collaboration.

A subset of meeting participants formed the Bridging Climate Change and Public Health Strategic Planning Workgroup, which developed five priority actions for addressing environmental concerns affecting the health and well-being of the community:

- 1. Increasing awareness of current climate and health related activities and successes across our community
- 2. Fostering environmental actions for a healthier community
- 3. Coordinating research and collaborative efforts to catalyze change
- 4. Building community awareness through reasonable and unified climate change and health messages
- 5. Promoting public education about climate and health

Workgroup partner agencies include:

Arizona Asthma Coalition Health Care Without Harm

Arizona Department of Health Services Institute for Sustainable Communities

Arizona Department of Water Resources Maricopa County Air Quality Department

Arizona Public Health Association Maricopa County Department of Public Health

Arizona State University Sierra Club

Chicanos Por La Causa The Nature Conservancy

Citizens' Climate Lobby Trees Matter

City of Phoenix, Heat Relief Network University of Arizona



MARICOPA COUNTY
2016-2021



Maricopa County Department of Public Health

Contact Us: climateandhealth@mail.maricopa.gov

Literature Review

- 3 Topics:
 - 1. Economical
 - 2. Environmental
 - 3. Health
- 21 Articles Included



The Challenge

- Environmental impacts
- Environmental regulations
- Not much focus on employees health



How Are Arizona Businesses Affected By Climate Change?

- Intensified hazards:
 - Heat
 - Air pollution
 - Extreme weather
 - Infectious diseases

How Are Workers Affected By Climate Change?



1 Infectious diseases



Mortality



Respiratory diseases from air pollution

Where Does It Lead?

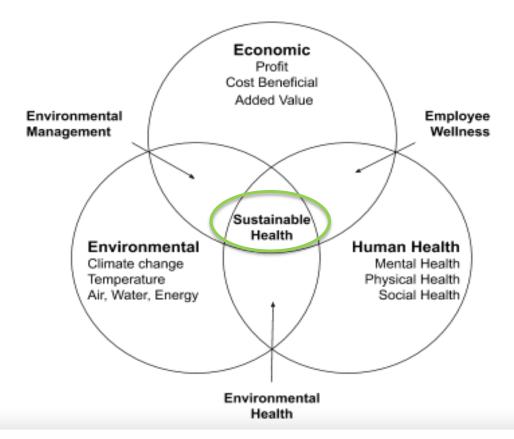
How People Are Affected: Effects:

- Physically
- Mentally
- Social Health

- Decreased productivity at work
- Absenteeism
- Climate Migration
- Increase in healthcare costs
 - Hospitalizations
 - Death

How To Address The Issue?

- Sustainable practices that improve:
 - Health of the employees
 - The environment they work in
 - Cost effectiveness
- Focus on prevention



Resource Issues

Small Businesses

- Cost of interventions
- High turnover rates
- Lack of resources
- Hiring outside contractors

Large Businesses

Wellness coach or wellness committee



Evidence -Based Strategies for Businesses

- Wellness Programs:
 - Different forms of active transportation
 - Wellness trainings
 - Wellness challenges
 - Wellness emails







Location Mapping For Businesses

Smart Tools for Smart Decisions:

- Community Profile

 Demographics
- Businesses
- **♀** Mapping
- Compare
- Find Properties

SELECT FROM THE MENU

Click the tabs at the top to select Clusters, Industries or Business Search.

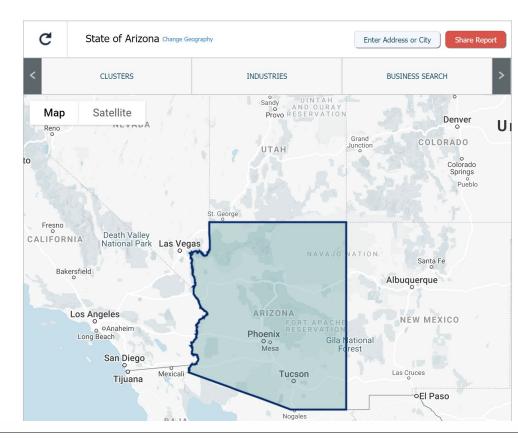


2 ANALYZE YOUR RESULTS

Click on the variables or

Businesses and Industries Clusters in State of Arizona

Search for businesses in State of Arizona. Explore industry clusters, find major employers and discover your competitors or customers.



arizonaprospector.com



Stakeholder Integration

- Third party consultants
- Lowering future healthcare costs



United States Environmental Protection

Office of Policy, Economics, and Innovation (1801) EPA-100-R-00-040 January 2001 www.epa.gov/stakeholders

PA ARCHIVE DOCUMENT

Stakeholder Involvement & Public Participation at the U.S. EPA

Lessons Learned, Barriers, & Innovative Approaches

Extreme Heat Resources

- Heat Trainings
- Heat First Aid Program
- Occupational Heat Monitoring





REST. SHADE.

The work can't get done without them.

A Guide for Employers to Carry Out Heat Safety Training for Workers









Heat Illness Prevention Training Guide: A Lesson Plan for Employers

OSHA 3437-04N 2011





Datos Sobre el Calor

Manténgase fresco. Manténgase hidratado. Manténgase informado.

¿Por qué importa el calor?



Más de 100 muertes son asociadas a la exposición al calor todos los años en el condado de Maricopa, y más de la mitad de éstas son directamente causadas por el calor.

¿Qué es una alerta de calor?

Hay dos tipos de alertas emitidas para ponerle al tanto sobre la temperatura:

Advertencia de calor extremo: una ola de calor extremo es prevista dentro de 36 horas. Este calor extremo amenaza la vida. Quédese en un edificio con aire acondicionado y evite la exposición directa al sol.

Aviso de calor extremo: el estado del tiempo favorece una ola de calor extremo dentro de 24 a 72 horas. Manténgase informado sobre el pronóstico del tiempo local para así planear sus actividades de manera segura.

> Para ver alertas actuales sobre el calor en su área, visite www.weather.com/phoenix

¿Cómo se ven las enfermedades causadas por el calor

Erupciones en la piel (sarpullido) por el calor

irritación de la piel, causando grupos de granos enrojecidos o ampollas pequeñas

raya a un lugar más fresco y menos húmedo, y

Calambres por el calor

(estos también pueden ser síntoma del agotamiento por el calor) Síntomas:

Calambres musculares, sobre todo en las piernas v el abdomen

detenga toda actividad, descanse en un lugar fresco, y tome jugos claros o bebidas deportivas

Agotamiento por el

calor

udoración excesiva, calambres musculares, ansancio, debilidad, dolor de cabeza, náuseas, alidez, mareos, o desmayos

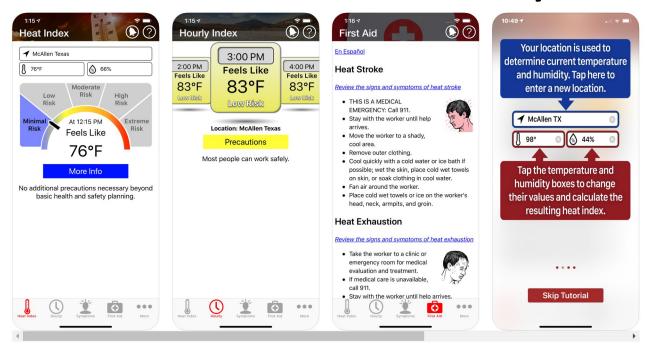
Tratamiento: aya a un lugar con aire acondicionado, tome pidas frescas sin alcohol, báñese o dúchese en ua tibia, use ropa ligera

Insolación (Golpe de Calor)

Para informarse sobre refugios con aire acondicionado y otros recursos, visite al HeatAZ.com o llame al 2-1-1



OSHA-NIOSH Heat Safety Tool





Air Quality Resources





RIDE PUBLIC TRANSIT

Utilize alternate modes of transportation. Consider taking the light rail, bus or vanpool.

CleanAirMakeMore.com

Infectious Diseases Resources

- Monitor Diseases
- Educate employees on benefits of sick days
- Don't spread diseases in the workplace



Request For Feedback

A Review on How Arizona Businesses Can Protect Employee Health from

Climate Sensitive Hazards

Bridging Climate Change and Public Health Workgroup

Facilitated by Maricopa County Department of Public Health



Health and Wellness for all Arizonans

Overall Climate Sensitive Hazards		
Location of Company ■ Before moving or even starting a business, it may be helpful to look at the population and environmental demographic of the state to find the best location for a certain price	Location Mapping for Businesses (arizonaprospector.com)	Allen, 2016
Stakeholder Integration Bring in third party consultants to help with things like risk assessment, technical/economic analysis, climate adaptation solutions, and GIS Mapping/modeling May give competitive advantage in lowering future healthcare costs	EPA Public Involvement Tools (epa.gov)	Sharma, 1998 Agrawala, 2011
Extreme Heat		
Heat Trainings • Address worker dismissiveness towards personal safety	OSHA trainings	Singh, 2015 OSHA
Heat First Aid Program Identify symptoms of heat illness and know how to treat them	OSHA trainings	Singh, 2015
Occupational Heat Monitoring Temperatures should be monitored so supervisors and managers know when is safe to plan outdoor work activities	OSHA-NIOSH heat safety tool app	OSHA
EED Certification	LEED Certification Guide	Allen, 2016 & Younger, 2008
Extreme Weather		
Preparation Guidelines • Have a plan prepared to minimize mortality in an emergency	National Disaster Preparedness Planning for Your Business	Schulte, 2016



THANK YOU

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Healthy Arizona Worksites Program



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THANK YOU FOR WATCHING!

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