

Presenter



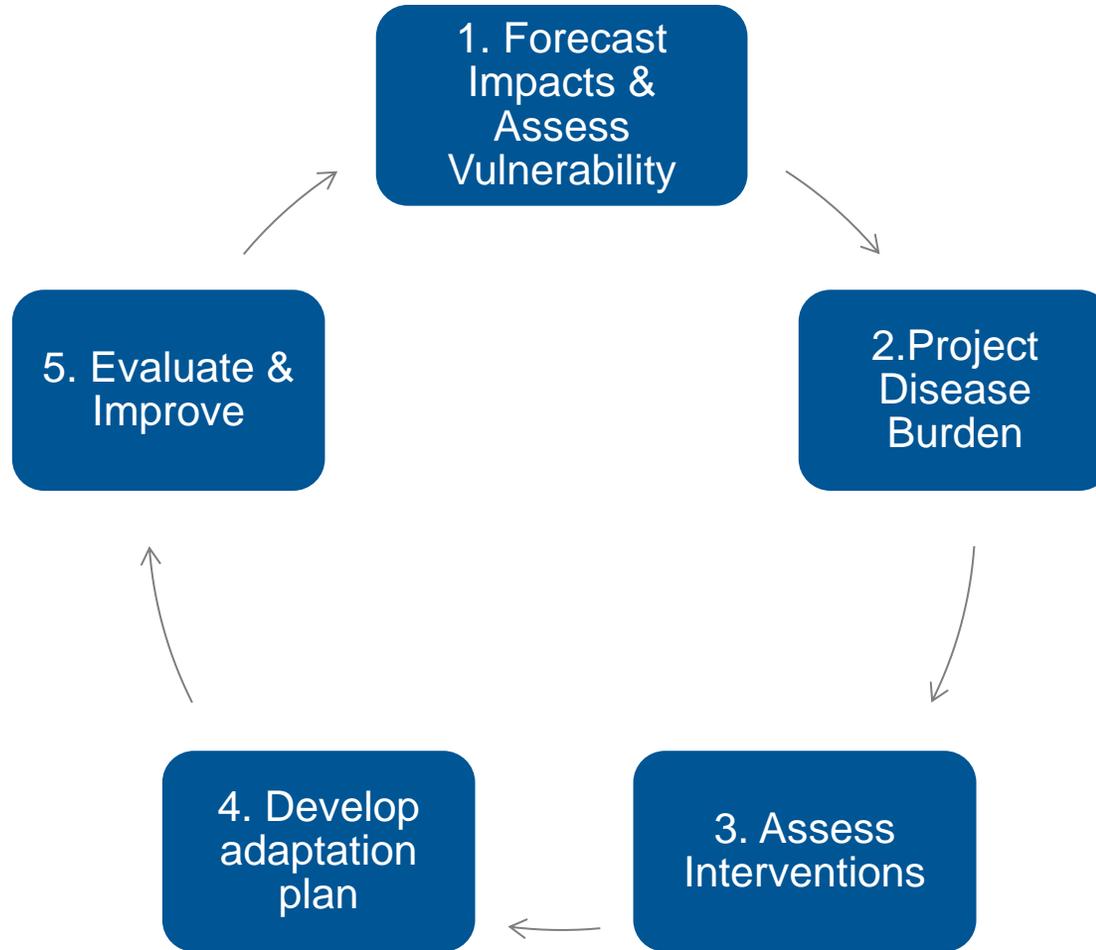
Brendon Haggerty, MURP
Environmental Epidemiologist
Climate and Health Program
Oregon Health Authority

Oregon Climate and Health Program

The background of the title banner features a silhouette of a family walking from left to right against a sunset sky. The family consists of a man, a woman, another woman, and a small child. The sun is a bright orange circle on the right side of the horizon.

Brendon Haggerty
Environmental Epidemiologist
Oregon Health Authority, Public Health Division

BRACE Framework



The logo features a large, thin arc on the left side, transitioning from light green at the top to light blue at the bottom. The text is centered within this arc. At the top, the word "OREGON" is written in white, bold, uppercase letters inside an orange speech bubble pointing downwards. Below this, the word "Climate" is in a large, blue, sans-serif font. To its right, the word "and" is in a smaller, orange, sans-serif font. Below "Climate and", the word "HEALTH" is written in a large, bold, blue, sans-serif font. At the bottom, the words "Profile Report" are written in white, bold, sans-serif letters inside an orange speech bubble pointing upwards.

OREGON
Climate and
HEALTH
Profile Report

Climate change
is happening in
Oregon

Our health
and safety
are at risk

Some
communities will
be affected more
than others

We can work
together to protect
our families and
communities

Greenhouse gases

TEMPERATURE



ACIDIFICATION



PRECIPITATION

HEAT



DROUGHT



WILDFIRE



FLOODS,
STORMS



SEA LEVEL



INDIRECT
IMPACTS



INFECTIOUS
DISEASE



ALLERGENS



HEAT

HEAT RELATED
ILLNESS

DEATH

VIOLENCE

AIR
POLLUTION

HARMFUL ALGAL
BLOOMS

RECREATIONAL
RISK

DROUGHT

FOOD
INSECURITY

WATER
INSECURITY

MENTAL
HEALTH

INCOME
LOSS

WILDFIRE

AIR
QUALITY

WATER
QUALITY

OCCUPATIONAL
RISK

INCOME
LOSS

DISPLACEMENT

**FLOODS,
STORMS**

WIND
LANDSLIDES

FLOODING

DISPLACEMENT

MENTAL
HEALTH

SEA LEVEL

INCOME
LOSS

DISPLACEMENT

MENTAL
HEALTH

ALLERGENS

ALLERGIC
REACTIONS

**INFECTIOUS
DISEASE**

VECTOR-BORNE
DISEASE

FOOD-BORNE
DISEASE

FUNGAL
DISEASE

**INDIRECT
IMPACTS**

ECONOMIC
INSTABILITY

OCEAN
ACIDIFICATION

CHRONIC
STRESS

MIGRATION

RISK

INJURY + ILLNESS + DEATH



Climate change is a reality we all must face. Yet, **the most impacted communities are those who are least responsible.**

Faduma Ali
Groundwork Portland

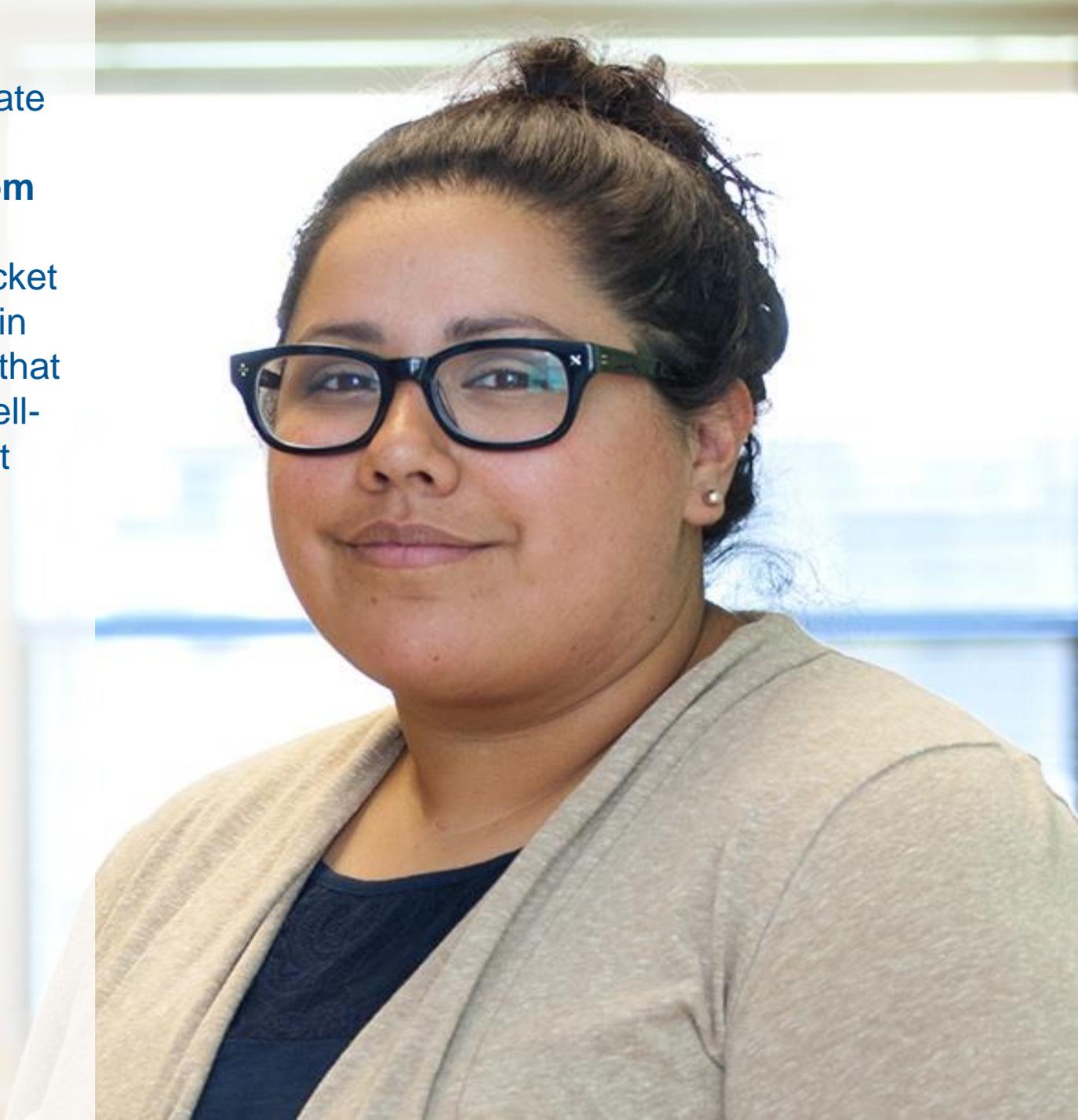


We are changing and evolving as we learn more. Every year there is more to know and more opportunity to participate in sustainable practices. **The opportunities will lie in the hands of those who figure out how to navigate the changes.**

Lyf Gildersleeve
Flying Fish Seafood

Migrant families have to acclimate to changing climates. **We commonly see kids suffer from bloody noses, fevers and dehydration.** We provide a packet for each of the growers to post in the migrant farmworker camps that includes tips for how to keep well-hydrated, especially during heat waves.

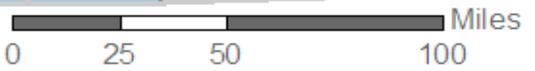
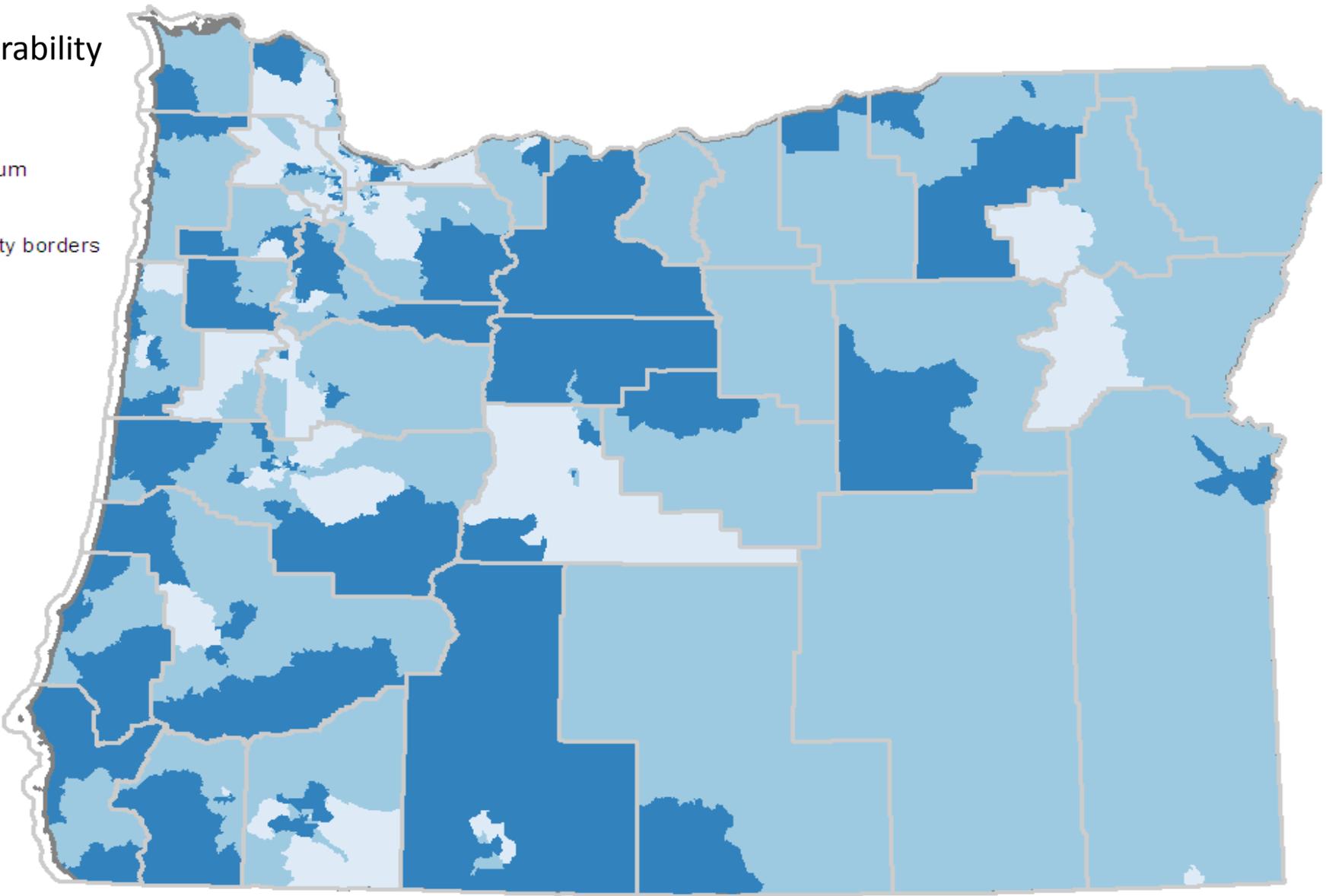
Armida Ramirez
Oregon Child Development
Coalition



Social Vulnerability

Census tracts

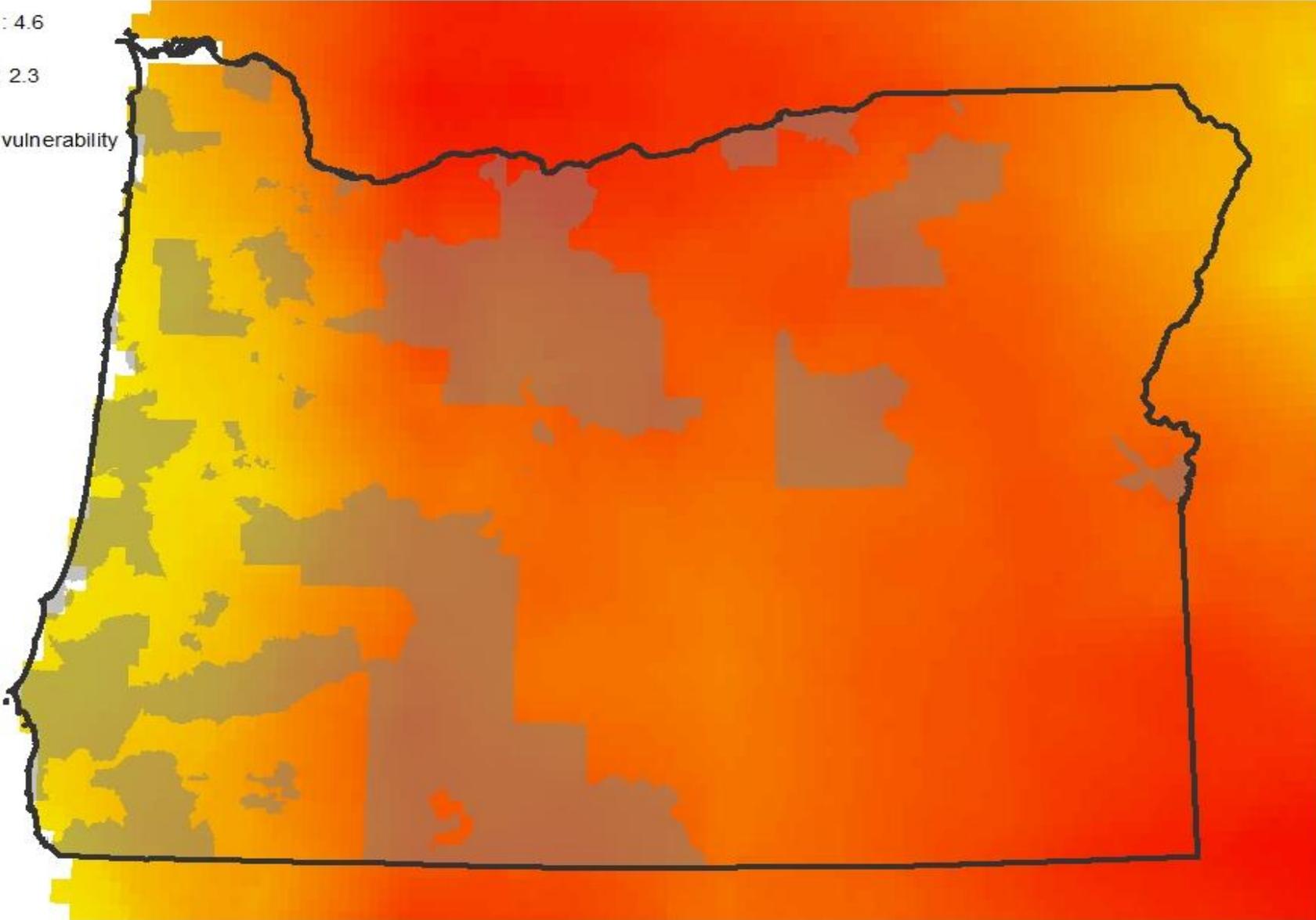
- Low
- Medium
- High
- County borders



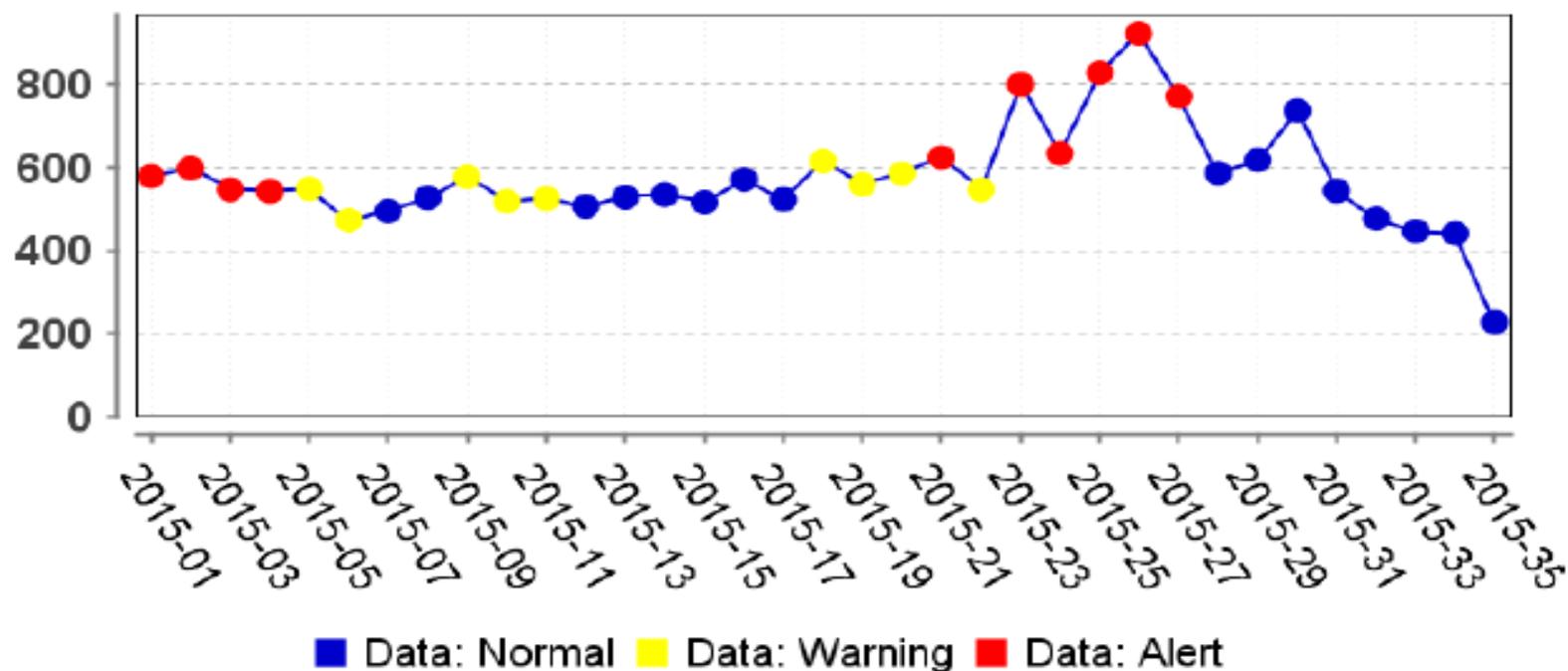
Temperature Change 2040-2069

Deg K
High : 4.6
Low : 2.3

High vulnerability



WEEKLY HEAT SYNDROME QUERY (v2) - JANUARY 2015



FINDINGS

This chart provides perspective to the 90-day heat-related illness chart shown above. Throughout the winter and spring, Oregon EDs saw 450-600 visits/week for this query (mostly dehydration). Beginning week 23 (June 7th) and peaking week 26 (June 28th), ED's saw an additional 200-300 visitors per week for this syndrome.

Collaborative efforts

- Public Health climate change work group
- Drought work group
- Syndromic surveillance
- Resilience speaker series
- Statewide climate & health network



Oregon Climate and Health Resilience Plan

Scope

Oregon's Public Health System

Timeline

Completion Summer 2016

Advisors

Local Health Jurisdictions, environmental justice organizations, climate scientists, emergency preparedness, health care professionals, state agencies



Set parameters and priorities

Vulnerability assessment

Project burden of disease

Collaborative analysis

Populate a pool of interventions

Literature review

Plan review

Public feedback

Integrate stakeholder perspectives

Technical advisors

Advisory group

Story project

HB 2348 (2013): Task Force Report
Future of Public Health Services

Modernizing Oregon's Public Health System

September 2014

Oregon
Health
Authority

1. Assessment & epidemiology
2. Emergency preparedness & response
3. Communications
4. Policy & Planning
5. Leadership & organizational competencies
6. Health equity & cultural responsiveness
7. Community partnership development

Oregon Climate and Health Program

The background of the title banner features a silhouette of a family (a man, a woman, and a child) walking towards the right against a sunset sky. The sun is a bright orange circle on the right side, and the sky transitions from orange near the horizon to a pale blue at the top.

Contact information

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www.healthoregon.org/climatechange