



CleanMed

PITTSBURGH 2023

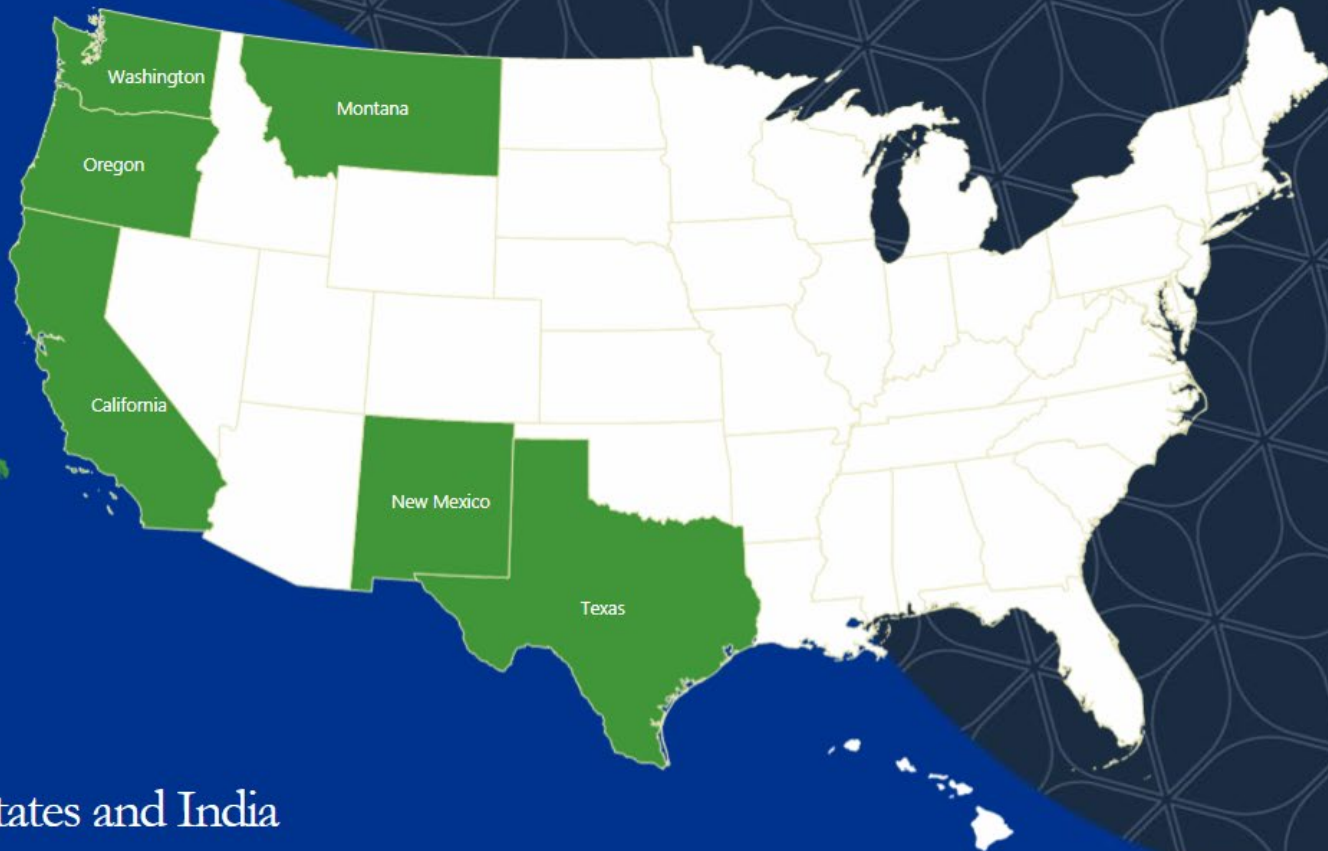
Creating climate resilience plans for unique community needs

Cassie Tinari, Providence

Geoff Glass, Providence

Presented by





Our presence in the western United States and India

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Providence by the numbers



117K
CAREGIVERS



36K
NURSES



34K
PHYSICIANS



\$2.1b
COMMUNITY
BENEFIT



52
HOSPITALS



1,000
CLINICS



28.5m
TOTAL PATIENT
VISITS



2.6m
COVERED
LIVES



1700+
PUBLISHED
RESEARCH
STUDIES



1
HEALTH PLAN



17
SUPPORTIVE
HOUSING
FACILITIES



HIGH SCHOOL,
NURSING
SCHOOLS &
UNIVERSITY



WASTE

Waste optimization
strategy



ENERGY & WATER

More efficient
use of energy &
water resources



AGRICULTURE & FOOD

Decrease carbon
intensity of food
served



CHEMICALS

Fewer, less toxic,
lower carbon
emissions

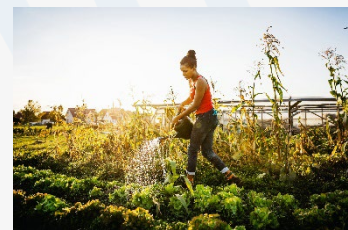


TRANSPORTATION

Less carbon
intensive forms
of travel

Advocacy, Communications, Data/Metrics, Accountability, Procurement, Community Health, Equity, Engagement

We



R

Resiliency

E

Equity

A

Adaptation

C

Climate

H

Health

We REACH Resilience Pillars

Infrastructure



Clinical Care & Ops



Community



Clinical Care and Operations

Clinical knowledge & care
delivery

Pharmacy practices

Mental health/well-being, eco
anxiety



Providence Health Plan
considerations

Clinical capacity & availability

Caregiver resources & support



Natural Disasters – Support for Caregivers

A Playbook for Human Resources & Core Leaders



Support for Caregivers

- In response to 2019 wildfires in Northern California
- HR playbook for caregiver support, benefits, and resources
- In process of updating with climate resilience lens

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Community

Regional environmental justice
scans

Commitment to health equity

Partnership with community
health investment



Advocacy & government
relations

Community Partnership Fund

Proactive outreach for high-risk
populations



Patient Outreach in Extreme Heat

- Lack of air conditioning was key driver in mortality in 2021 heat dome
- Climate risk score in care management tool
- Connect patients to Medicaid flex fund requests, social resources, provider visits



Patients At Risk During Extreme Weather Events

steadfast in serving all, especially those who are poor and vulnerable



See Refresh Details ↓



CPH
Providence

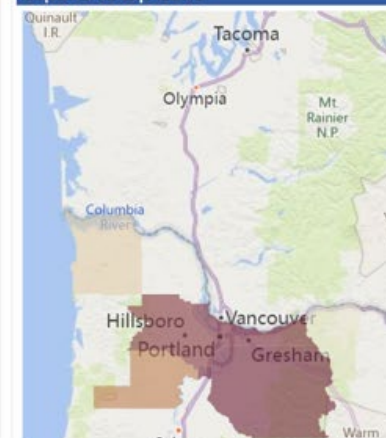
Risk Factor Count	County State	Zip Code	Patient Name	MRN	Cell Phone	Home Phone	PCP Department
9	Washington, County, OR	97223					PMG BRIDGEPORT FAMILY MEDICINE
9	Multnomah, County, OR	97233					PMG GATEWAY FAMILY MEDICINE
9	Multnomah, County, OR	97236					PMG AT HOME OR
9	Multnomah, County, OR	97213					PMG NORTHEAST INTERNAL MEDICINE
9	Multnomah, County, OR	97080					PMG GATEWAY INTERNAL MEDICINE
9	Clackamas, County, OR	97038					PMG CANBY FAMILY MEDICINE
9	Multnomah, County, OR	97213					PMG GATEWAY INTERNAL MEDICINE
9	Multnomah, County, OR	97236					PMG GATEWAY FAMILY MEDICINE
9	Washington, County, OR	97140					PMG SHERWOOD FAMILY MEDICINE
9	Clackamas, County, OR	97045					PMG SHERWOOD FAMILY MEDICINE
9	Multnomah, County, OR	97294					PMG GATEWAY FAMILY MEDICINE
9	Multnomah, County, OR	97233					PMG GATEWAY INTERNAL MEDICINE

Location filtered for:

Oregon

Patient Count: 43,325

Average Risk Factor Count by County -
Expand to Zip Code



65+
Serious Mental Illness
Cancer
Diabetes
Heart Failure
Dementia
Hemi/Paraplegia
Myocardial Infarction
Renal Disease
Cognitive BMH
Chronic Pulmonary
Disease
Substance Abuse

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Infrastructure

Resource use efficiency improves resiliency

Alignment with local public infrastructure and resources

Partnering with emergency managers for 52 acute care sites



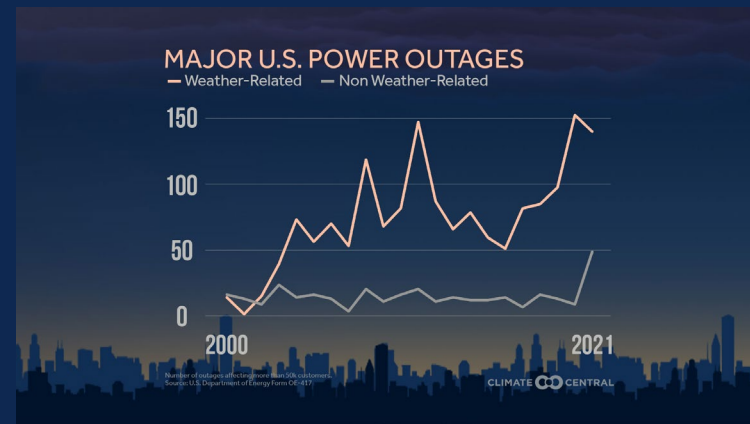
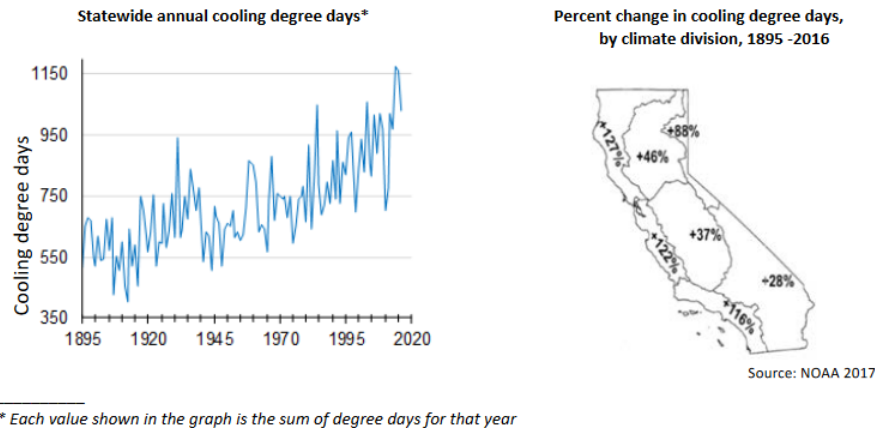
Heat & wildfire response plans

Resilience in face of supply chain disruptions

Planning and design for resiliency in new construction

Climate Stress on Infrastructure

- Increased demand for air conditioning
- Often not served by emergency power
- Hospitals sized for cooling in the 60's & 70's
- Results in chilled water rationing
- Require flexibility and wide range of control of % outside air
- Increased frequency of major power outages and need for emergency generator reliability



Resiliency Integration in Organizational Strategy

- Not a new initiative
- Know me, care for me, ease my way
- Leveraging HHS Climate Pledge to bring climate focus to ongoing work and priorities





Health for a Better World.