

Climate Change & Health Equity

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Alliance of Nurses for Healthy Environments



Mission: Promoting healthy people and healthy environments by educating and leading the nursing profession, advancing research, incorporating evidence-based practice, and influencing policy.

ANHE Workgroups



Practice



Policy &
Advocacy



Education



Research



National Climate Assessment

- Mandated by the Global Change Research Act of 1990
- Quadrennial assessment
 - Analyzes global changes & impacts on various sectors
 - Analyzes current trends and projections
- Volume I released November 2017
- Volume II released in draft form; final release late 2018.

Reference: USGCRP, 2017

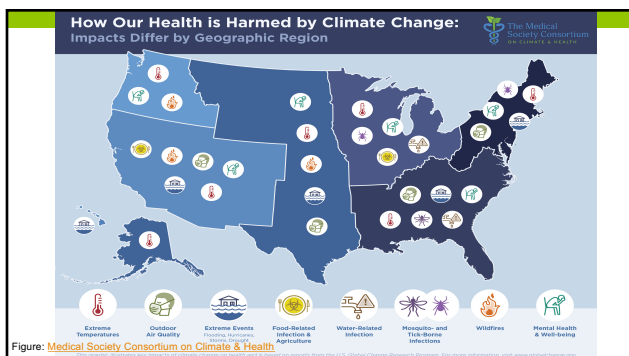
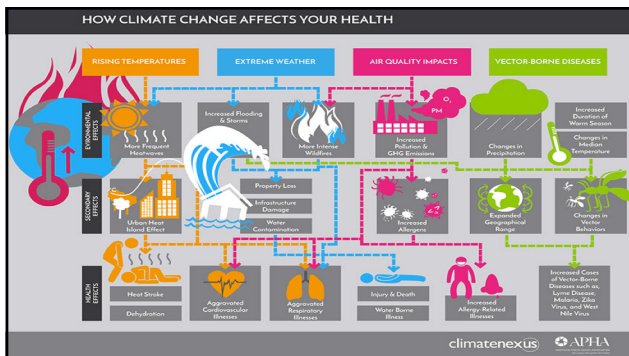
National Climate Assessment



NCA4: Volume II

- Strong regional focus
- Separate section with health content
- Health woven throughout several sections
- Economic analysis
- Case studies
- No evaluation of policy or policy recommendations

Reference: USGCRP, 2017



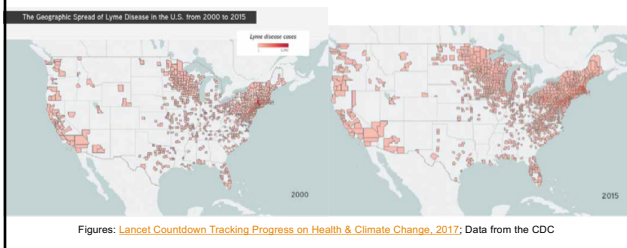
Lancet Countdown: Tracking Progress

Key Findings from 2017 Report

- Climate change is affecting health globally
- Delay in action has threatened human life and livelihoods
- Transition to less carbon intensive energy sources is increasing

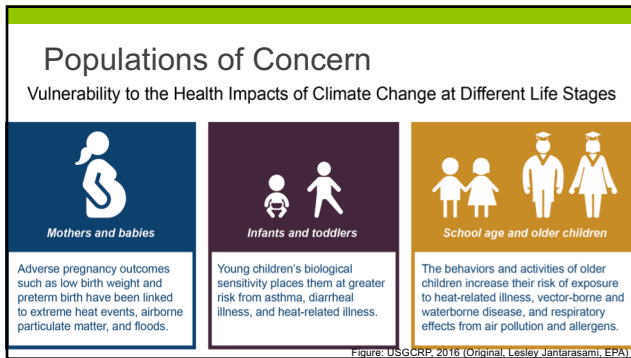
Reference: [Lancet Countdown Tracking Progress on Health & Climate Change, 2017](#)

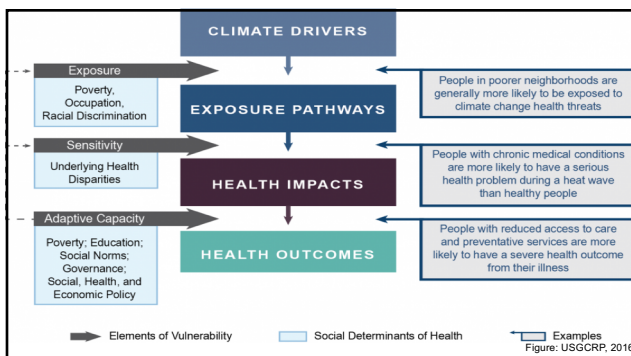
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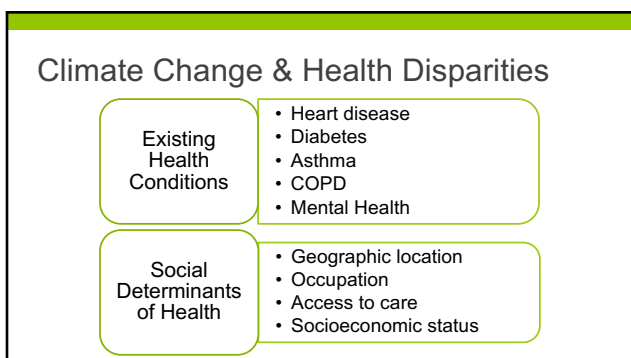


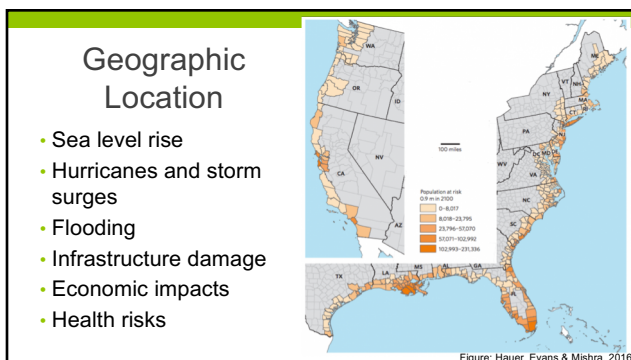
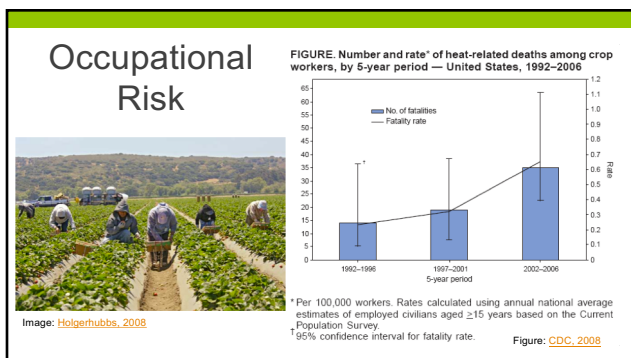
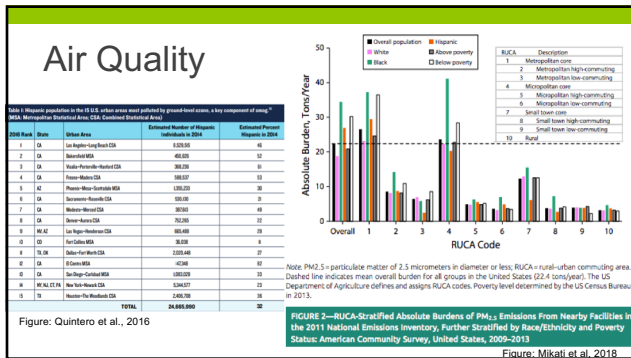
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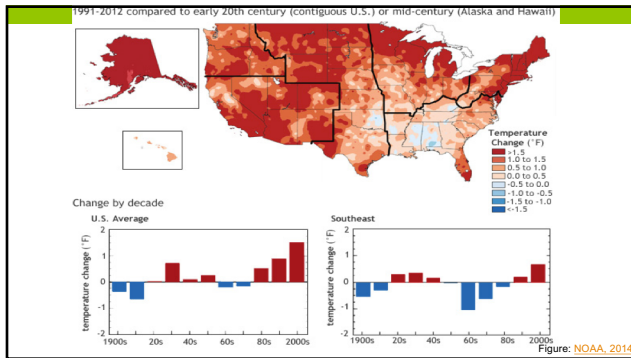


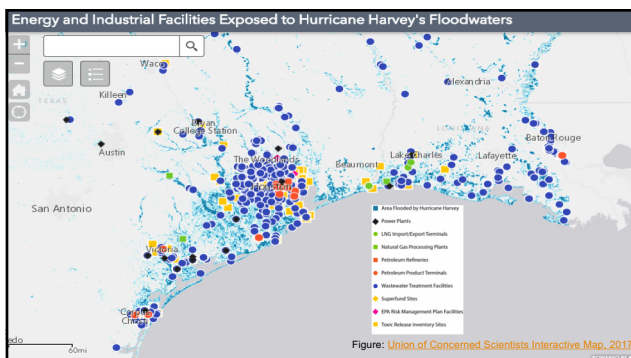












Nurses: Opportunity for Action

Why Nurses, Climate & Health?

U.S. Views on Honesty and Ethical Standards in Professions

Please tell me how you would rate the honesty and ethical standards of people in these different fields -- very high, high, average, low, or very low?

	% Very high or high	% Average	% Very low or low
Nurses	86	17	2
Medical doctors	65	29	7
Pharmacists	65	28	7
Police officers	48	31	20
Clergy	46	35	13
Bankers	23	49	26
Lawyers	21	45	34
Business executives	17	50	32
Advertising practitioners	10	44	42
Car salespeople	8	46	45
Members of Congress	7	30	61

Dec. 8-11, 2014
Rated in order of % Very high or high

GALLUP



ANA Code of Ethics: Provision 8

- “Nurses **must address the context of health**, including social determinants of health...”
- “Nurses **must lead collaborative partnerships** to develop effective public health legislation, policies, projects, and programs that promote and restore health...”
- “Nurses **advocate for public policy** that utilizes the precautionary approach that focuses on *prevention* of hazards to people and to the natural environment.”

Reference: ANA, 2015

Health professionals have a responsibility to learn about the health impacts of climate change, educate others about impacts, and advocate for solutions.

Nursing Collaborative on Climate Change & Health



Climate & Health Program: Goals

1. Put America on a path to a positive future that will **protect health and support healthy communities.**
2. **Create and support solutions** that improve health and build sustainable prosperity, resilience, and response of the health sector and communities.
3. **Lead the nursing profession** by furthering education and engaging colleagues, communities, health facilities, the public and policymakers.

Nursing Collaborative: Commitment into Action Collective Impact & Improved Health

Elevate Climate Change as a Visible Priority

Show leadership on climate action across nursing organizations as a health priority

Develop and Support Climate Literate Nurses

Provide resources and incorporate climate change into nursing education and communications

Build Collective Support and Action for Solutions

Bring together nurse leaders and host forums and events to engage nurses on collective action

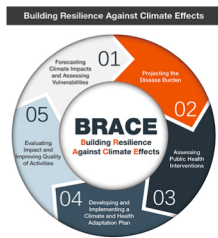
Engage Nurses, Communities & Policymakers

Connect climate change and human health to engage communities, patients, nurses, policy-makers, and the public

PUBLIC HEALTH NURSING 3.0: TIME FOR AN UPGRADE

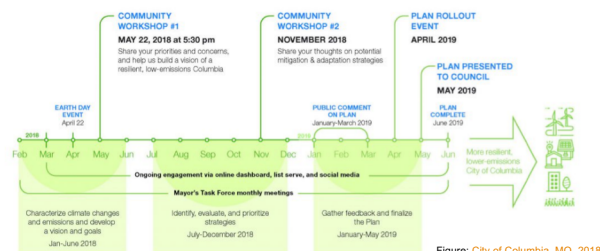
BRACE Framework

1. Anticipate Climate Impacts & Assessing Vulnerabilities
2. Project the Disease Burden
3. Assess Public Health Interventions
4. Develop & Implement a Climate & Health Adaptation Plan
5. Evaluate Impact & Improve Quality of Activities



Climate Action Plan: Columbia, MO

Climate Action & Adaptation Plan development timeline



Nurses for Cool & Healthy Homes



Image: Jim Johnson, 2017

- Fresno County Department of Public Health
- Home Heat Vulnerability Assessment
- Leadership buy-in
- Training of PHNs

Extreme Heat: Green Roofs

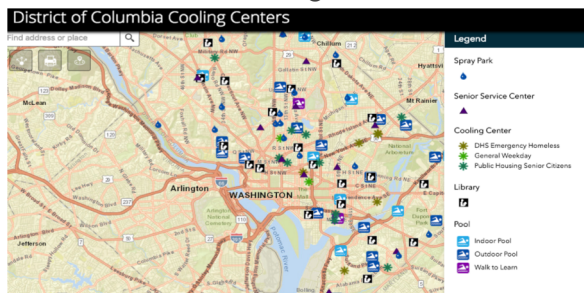


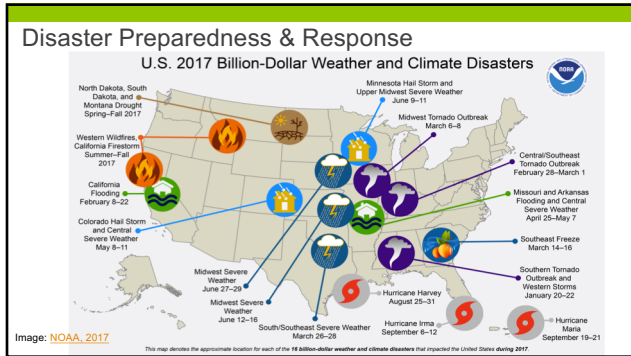
Image: TonyTheTiger, 2008



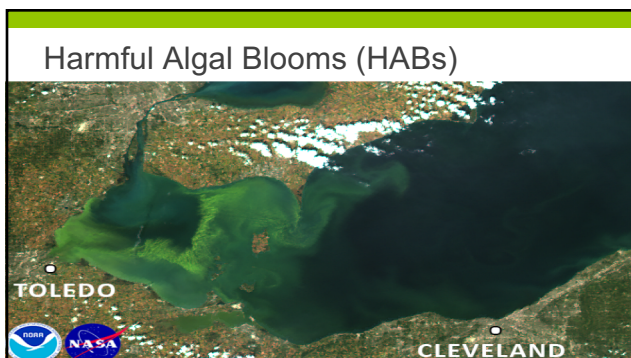
Image: Conservation Design Forum, 2015

Extreme Heat: Cooling Centers









Climate Change & Education

- *Environmental Health in Nursing*
 - AJN 2017 BOTY Award
 - 2nd Ed. in progress
- Integration into curriculum
 - Publications
 - Recommendations



Strategies for Incorporating Climate Change into Nursing Curricula

Specific Classes/General Content Areas in Nursing Curricula	Appropriate Climate related Content	Teaching Strategies, Resources, and Competencies (ex. readings, questions, assessments, case studies, research articles, PowerPoints, webinars, simulations)	Nursing Concepts Related to Climate Related Climate Related Competencies (ANA & ICN)
Fundamentals in Nursing (Introductory course)	Environment in Nursing Introduce a social determinants of health approach to nursing assessment and practice	Nurse as a role model: What is the student's carbon footprint? Does the facility they are working in have a green team? Does the facility consider climate change/sustainability as part of its mission? Does the clinical agency examine its carbon footprint? Lifecycle of supplies: Where do supplies come from and where they end up? Incorporate safety issues related to disaster preparedness into practice. National Climate Change Assessment: http://www.globalchange.gov/climate-change Carbon Footprint Calculator: http://www.nature.org/greenliving/carboncalculator/index.htm	Assesses the environment to identify risk factors. Promotes a safe and healthy workplace and professional practice environment. Participates in strategies to promote healthy communities and practice environments.

Website: <https://envim.org/strategies-for-incorporating-climate-change-into-nursing-curricula/>

Climate and Health Toolkit

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[Climate Solutions](#)
[Nursing Collaborative](#)
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ANHE Climate and Health Toolkit

www.climateandhealthtoolkit.org

Political Action: Advocacy

- Social and political advocacy is just another form of caring. (Morrell, D. 2005)
- Nurses need to speak out on issues related to nursing and the health of the public. (Aboud, 2007)



Climate & Health Nursing Advocacy

- Meetings with legislators
- Phone calls
- Individualized emails/letters
- Letter to the editors
- Opinion Editorials
- Postcards and petitions
- Blogs
- Social media
- Testimony at hearings



Image: [Working Nurse](#)

Nurses Caring for Climate and Health

ecoAmerica
building climate leadership

CLIMATE
for HEALTH

Alliance of Nurses for
Healthy Environments

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Questions?

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