Agency Update: Climate Change and Health

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AMS Policy Forum
Washington, DC
April 2, 2014

Overview

- Interagency Workgroup on Climate Change and Human Health (under Global Change Research Program)
  - Membership
  - MATCH
  - Interim Assessment Report
- Department of Health and Human Services and the President's Climate Action Plan
  - CDC Climate Ready Cities and States Initiative
  - Sustainable and Climate Resilient Healthcare Facilities

Climate Change and Human Health Workgroup (CCHHG) Membership

Co-chairs:

- National Institute of Environmental Health Sciences (NIEHS)
- Centers for Disease Control and Prevention (CDC)
- National Oceanographic and Atmospheric Administration (NOAA)

Representatives:

- Department of Defense (DOD)
- Department of State (DOS)
- Environmental Protection Agency (EPA)
- Homeland Security (DHS)
- National Aeronautics & Space Administration (NASA)
- U.S. Agency for International Development (USAID)
- U.S. Department of Agriculture (USDA)
- U.S. Geological Survey (USGS)

CCHHG Workstreams

- **Adaptation** – support for the Interagency Climate Change Adaptation Task Force
- **Assessment and Indicators** – technical input, stakeholder engagement, and sustained assessment activities for the National Climate Assessment
- **Communication, Education, and Engagement** – coordination with USGCRP on outreach to public health stakeholders
- **Data Integration** – development of Metadata Access Tool for Climate and Health (MATCH)
- **International** – review of international adaptation plans and assessments, and engagement with global health community
- **Joint Research and Application** – development of a climate change & human health research application community

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United States Global Change Research Program

Human Health

Login Register Feedback

MATCH Metadata Access Tool for Climate and Health

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What Is MATCH?

MATCH stands for Metadata Access Tool for Climate and Health. MATCH is a gateway

Search MATCH

Search

Match.globalchange.gov

National Institutes of Health
U.S. Department of Health and Human Services

Interim Assessment Report on Human Health

- **An Interagency Product**
  coordinated by the Interagency Workgroup on Climate Change and Human Health (CCHHG) and written by federal experts (NIH, CDC, NOAA, EPA, USDA, DOE, and others)

- **A Scientific Assessment**
  of existing research on the impacts of observed and projected climate change on human health in the United States, with a strong focus on impact quantification

- **An Interim Report**
  with an estimated publication date in late 2015 – after the Third NCA and before the Fourth NCA. It will build upon current draft NCA and 2008 US CCSP climate and health-focused Synthesis and Assessment Product (SAP 4.6).

- **A Product with High Visibility**
  Climate impacts on human health was identified as a high priority topic for a Special Report. The report is featured in the President's Climate Action Plan.

Draft timeline

MILESTONE	PROPOSED TIMEFRAME
Federal Register Notice	February 7, 2014
Public Forum	March 13, 2014
End of first Public Comment Period	March 31, 2014
Develop Final Author Teams	April 2014
Drafting the Special Report	April - October
Deadline for Scientific Literature to be submitted to peer review for inclusion in the assessment	October 31, 2014
1st Draft Complete	January 2015
Peer Review	February 2015
Public Review	May 2015
Internal Agency Reviews	Fall 2015
Projected Completion of Special Report	Late 2015

The President's Climate Action Plan- June 2013

THE PRESIDENT'S PLAN WILL

PREPARE THE U.S. FOR THE IMPACTS OF CLIMATE CHANGE

WE'VE MADE GREAT PROGRESS

The Administration and partners developed national strategies to help decision makers address the impacts of climate change on freshwater resources — fish, wildlife, and plants — and oceans.

PROGRESS:
In 2013, federal agencies released Climate Change Adaptation plans for the first time, outlining strategies to protect their operations, missions, and programs from the effects of climate change.

PROGRESS:
The US Global Change Research Program, NOAA, USACE, and FEMA developed and released interactive sea-level rise maps and a calculator to aid rebuilding efforts in NY and NJ after Superstorm Sandy.

THERE'S MORE WORK TO DO

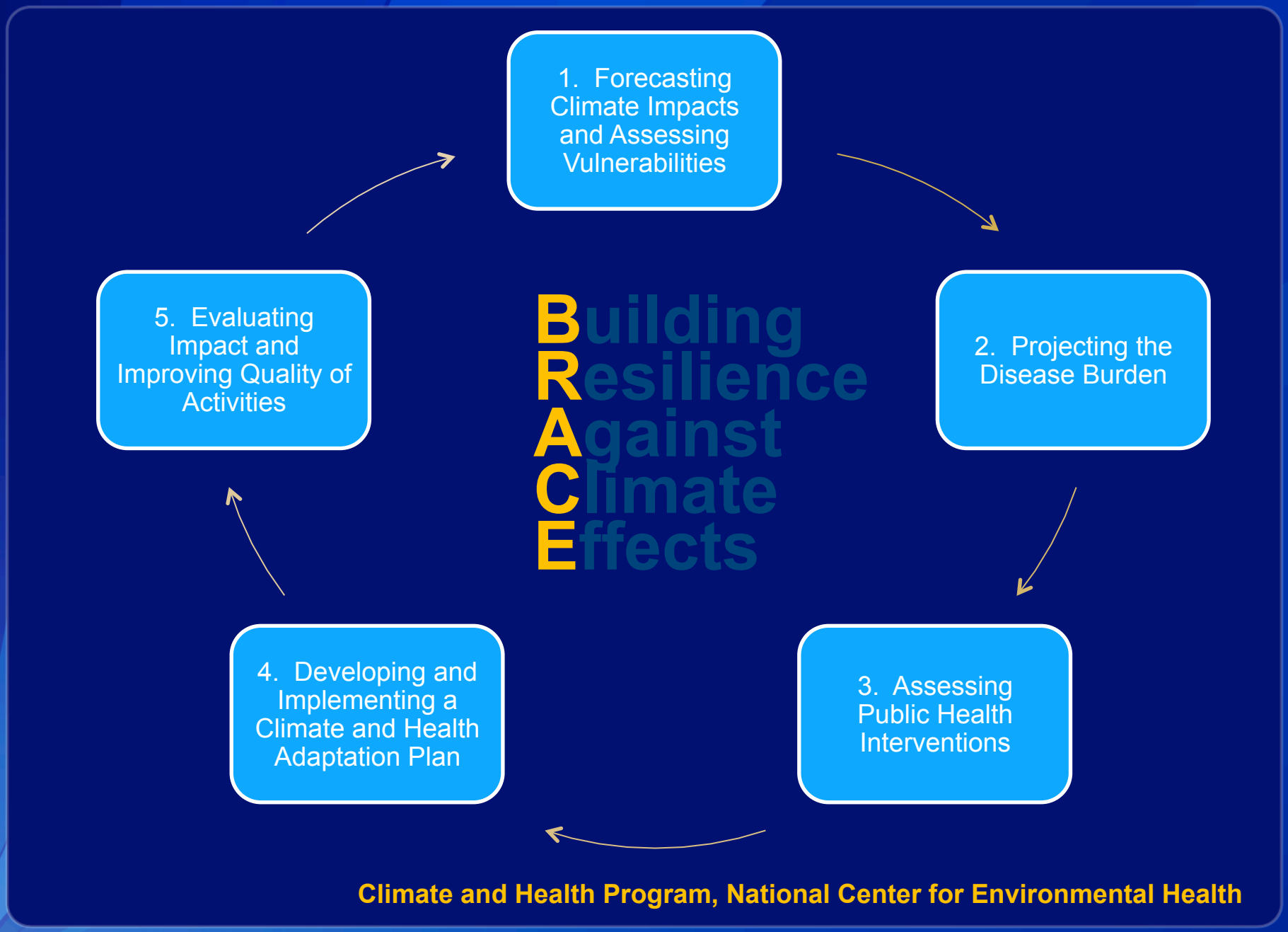
Moving forward, the Obama Administration will help states, cities, and towns build stronger communities and infrastructure, protect critical sectors of our economy as well as our natural resources, and use sound science to better understand and manage climate impacts.

SUPPORT CLIMATE-RESILIENT INVESTMENTS
at the community level by removing policy barriers, modernizing programs, and establishing a short-term task force of state, local, and tribal officials to advise on key actions the federal government can take to support local and state efforts to prepare for climate change.

REBUILD AND LEARN FROM SUPERSTORM SANDY
by piloting innovative strategies in the Superstorm Sandy-affected region to strengthen communities against future extreme weather and other climate impacts and building on a new, consistent flood risk reduction standard established for the Sandy-affected region, agencies will update their flood-risk reduction standards for all federally-funded projects.

LAUNCH AN EFFORT TO CREATE SUSTAINABLE AND RESILIENT HOSPITALS
in the face of climate change through a public-private partnership with the healthcare industry.

PROVIDE TOOLS FOR CLIMATE RESILIENCE
including existing and newly developed climate preparedness tools and information that state, local, and private-sector leaders need to make smart decisions.


1. Forecasting Climate Impacts and Assessing Vulnerabilities
2. Projecting the Disease Burden
3. Assessing Public Health Interventions
4. Developing and Implementing a Climate and Health Adaptation Plan
5. Evaluating Impact and Improving Quality of Activities
BRACE
Building Resilience Against Climate Effects
Climate and Health Program, National Center for Environmental Health

Focal Points of Healthcare Facility Resilience

- Building site- within coastal or riverine flood zone
- Building envelope- existing infrastructure built to outdated standards
- Placement of energy, IT, water infrastructure- old practice to place below grade or flood elevations
- Back-up power supplies- on-site diesel generators= issues of maintenance and quantity of fuel reserves
- Reliance upon community flood protection and/or thermal energy infrastructure

Contents of the Resource Packet

- 3 Part Background "Guide"
  - Case statement and definitions
  - Current understanding of risks and state of resilience
  - Ideas and case studies of how to move forward
- 5 Part Framework for Healthcare Facility Resilience
  - Best practices for assessment, resilience planning across domains- building, infrastructure, staff and vital resources, etc.
- Guide to Developing and Implementing a Plan
- Guide to Additional Resources
- Bibliography

Draft timeline for vetting and distribution

- First Quarter, CY2014:
  - Development of Resource Packet
  - Sharing with HHS-ASPR Critical Infrastructure Protection Program's Coordinating Councils
  - Identification of workgroups to review, revise, finalize
- Second Quarter, CY2014
  - Review, sharing with stakeholder groups
- Third Quarter, CY 2014
  - Finalization of contents
- Fourth Quarter, CY 2014
  - Web Publication of first version of Resource Packet

SCR Exemplars

Spaulding Rehab Hospital, Boston

- LEED Gold level facility
- Resilience measures
- Rooftop electrical and backup systems
- “Protective reef”
- Operable windows
- Drought-tolerant landscaping

Thank you!

National Institute of Environmental Health Sciences
Your Environment. Your Health.

National Toxicology Program
U.S. Department of Health and Human Services

Superfund Research Program

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