



NTP
National Toxicology Program

Report of the NTP Director

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NIEHS Strategic Planning – Update

Planning for Institute direction for next 5 years

- New Mission and Vision statements
- Development of Supporting Themes
- Strategic Goals and implementation

Three phase process

- I. **Done!** Broad-based stakeholder input
 - Visionary Ideas solicited on the Web
 - Stakeholder Community Workshop July 2011
- II. **Done!** Draft Mission, Vision, and Supporting Themes
 - Strategic Planning Workshop October 2011
- III. **Done!** Develop Strategic Goals

Strategic Planning Process



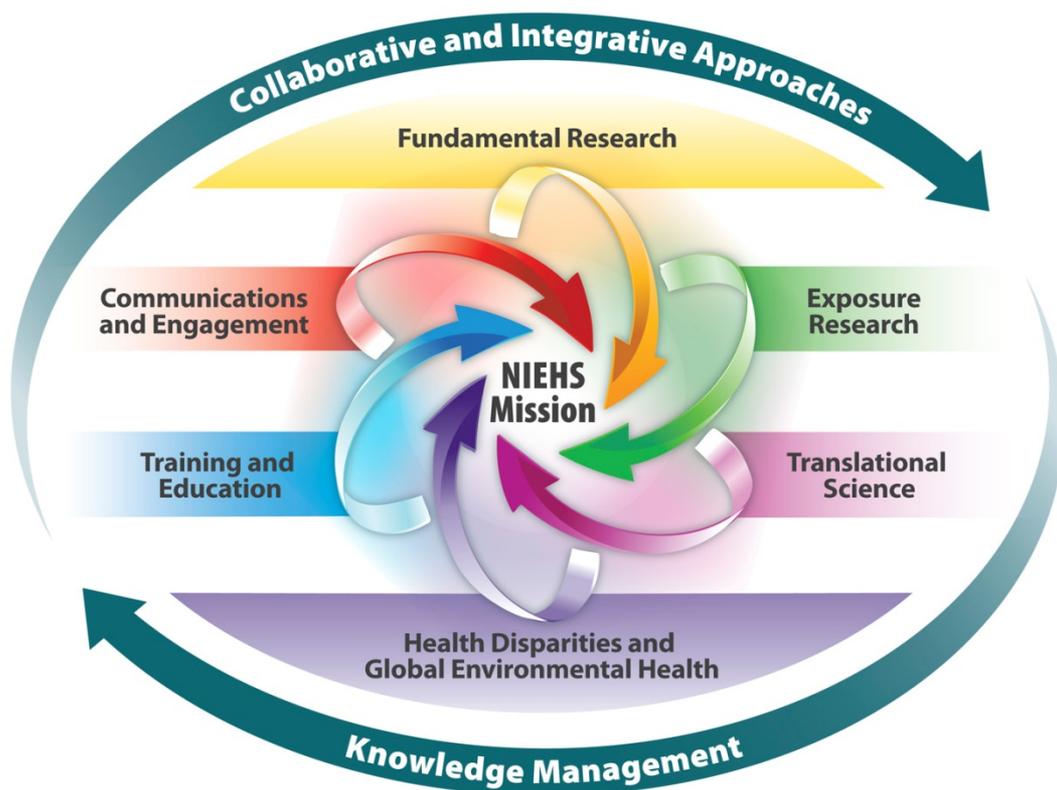
NIEHS Strategic Plan

Mission Statement

The mission of the National Institute of Environmental Health Sciences is to discover how the environment affects people in order to promote healthier lives.

Vision Statement

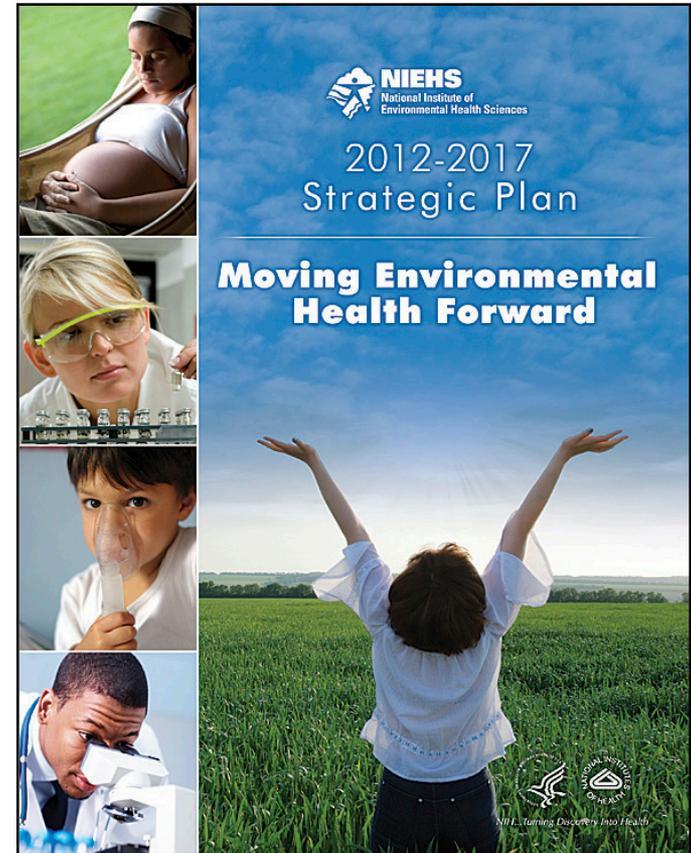
The vision of the National Institute of Environmental Health Sciences is to provide global leadership for innovative research that improves public health by preventing disease and disability from our environment.





Strategic Themes and Goals

- Themes give context;
Goals are more specific
- Addressing Goals will include both ongoing activities and new directions or capabilities
- The Plan is a blueprint for the entire Environmental Health Sciences, not for NIEHS alone; must be a partnership





Strategic Goals

1. Identify and understand fundamental shared **mechanisms** or common biological **pathways** (e.g., inflammation, epigenetic changes, oxidative stress, mutagenesis) underlying a broad range of complex diseases, in order to enable the development of broadly applicable **prevention** and intervention strategies.
2. Understand individual **susceptibility** across the **life span** to chronic, complex diseases resulting from environmental factors, in basic and population-based studies, to facilitate **prevention** and decrease public health burden.



Strategic Goals

3. Transform **exposure science** by enabling consideration of the totality of human exposures and links to biological pathways and create a blueprint for incorporating exposure science into human health studies.
4. Understand how **combined environmental exposures** affect disease pathogenesis.
5. Identify and respond to **emerging environmental threats** to human health on both a local and global scale.
6. Establish an **environmental health disparities** research agenda to understand the disproportionate risks of disease and to define and support **public health** and prevention solutions in affected populations.



Strategic Goals

7. Use **knowledge management** techniques to create a collaborative environment for the EHS community to encourage an **interdisciplinary** approach to investigate, analyze, and disseminate findings.
8. Enhance the **teaching of EHS** at all levels of education and training (K-professional) to increase scientific literacy and generate awareness of the health consequences of environmental exposures.
9. **Inspire** a diverse and well-trained cadre of scientists to move our transformative environmental health science forward; **train** the next generation of EHS leaders from a wider range of scientific disciplines and diverse backgrounds.



Strategic Goals

10. Evaluate the **economic impact** of policies, practices, and behaviors that reduce exposure to environmental toxicants through **prevention** of disease and disabilities; **invest** in research programs to test how prevention improves public health and minimizes economic burden.
11. Promote **bidirectional communication** and collaboration between researchers and stakeholders (policy makers, clinicians, intervention/prevention practitioners, and the public) in order **to advance research translation** in the environmental health sciences.

Developing Implementation Strategies

- Implementation strategies will cover "what will we do, when will we do it, how much will it cost"
- NIEHS Divisions are reviewing the goals and developing implementation strategies to advance the goals
- Leadership will ultimately consider all the implementation strategies, identify areas of collaboration, and set Institute priorities
- Implementation strategies will provide a framework for budget allocations by Leadership





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Thank you!



**NIEHS
Strategic
Plan**

NIEHS Strategic Plan Website

<http://www.niehs.nih.gov/strategicplan>

