# CDC's Approach to Disseminating Science: Moving From Data to Action

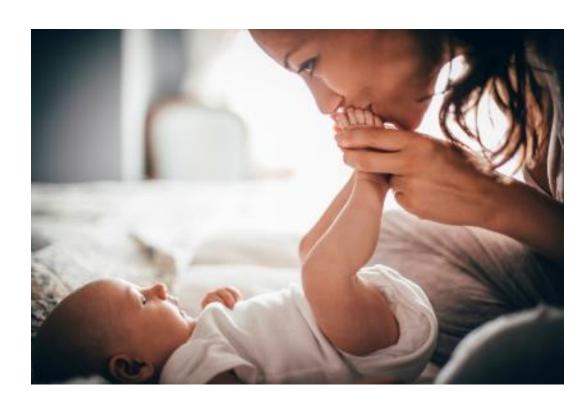


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## Overview

- CommunicationsScience at CDC
- Channels
- Strategies
- ☐ Goals of
  Communications
  through Science
  Framework



#### **Communications Science**

The study and use of communication strategies to inform and influence individual decisions that enhance health.

- Customer-centered
- Science-based
  - Draws on the work of scholars and practitioners in a wide range of sciences and disciplines
  - Use multiple behavioral and social learning theories and models to advance program planning and identifying steps to influence audience attitudes and behavior
- High-impact communication
- ➤ Use both social marketing and health communication approach to promoting or "marketing" health to the public

#### **Health Communication**

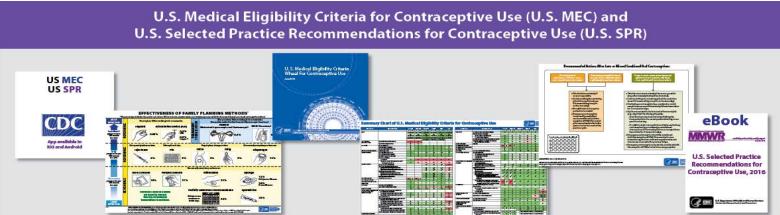
Communication strategies to inform and influence individual decisions that enhance health.

- Review background information to define the problem (What's out there?)
- Set communication objectives (What do we want to accomplish?)
- Analyze and segment target audiences (Who do we want to reach?)
- Develop and pretest message concepts (What do we want to say?)
- Select communication channels (Where do we want to say it?)
- Select, create and pretest messages and products (How do we want to say it?)
- Develop promotion plan/production (How do we get it used?)
- Implement communication strategies and conduct process evaluation (Getting it out there)
- Conduct outcome and impact evaluation (How well did we do?)

#### **Channels at CDC's Disposal**

- Website
- Scientific Publications (MMWR, journals, etc.)
- Social Media
- Educational Materials
- Presentations at Conferences
- Public Affairs Media Outreach

### **Samples of Materials**





 Heart defects: One study showed that overall hospital costs for people with a congenital heart defect were about \$1.4 billion in a single year



Workplace Safety & Health

Features Media

### **Samples of Materials**









Morbidity and Mortality Weekly Report (MMWR)

CDC > MMWR

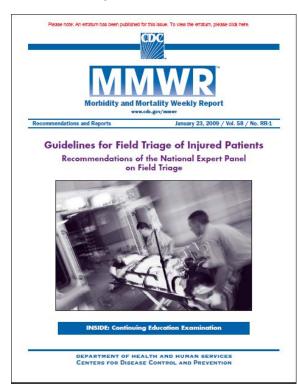
Update: Interim Guidance for Health Care Providers Caring for Pregnant Women with Possible Zika Virus Exposure — United States (Including U.S. Territories), July 2017

Weekly/ July 28, 2017 / 66(29):781-793

#### **Morbidity and Mortality Weekly Report**

- Morbidity and Mortality Weekly Report (MMWR)
  - "The Voice of CDC"
  - Viewed by app. 1 million persons/month
  - Widely cited in the scientific literature

New health threats, outbreak investigations

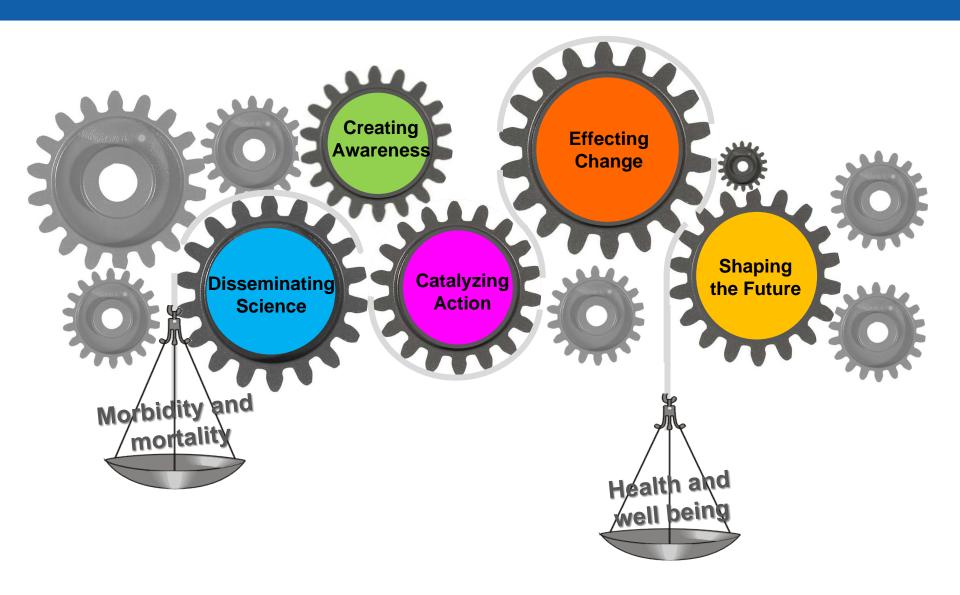


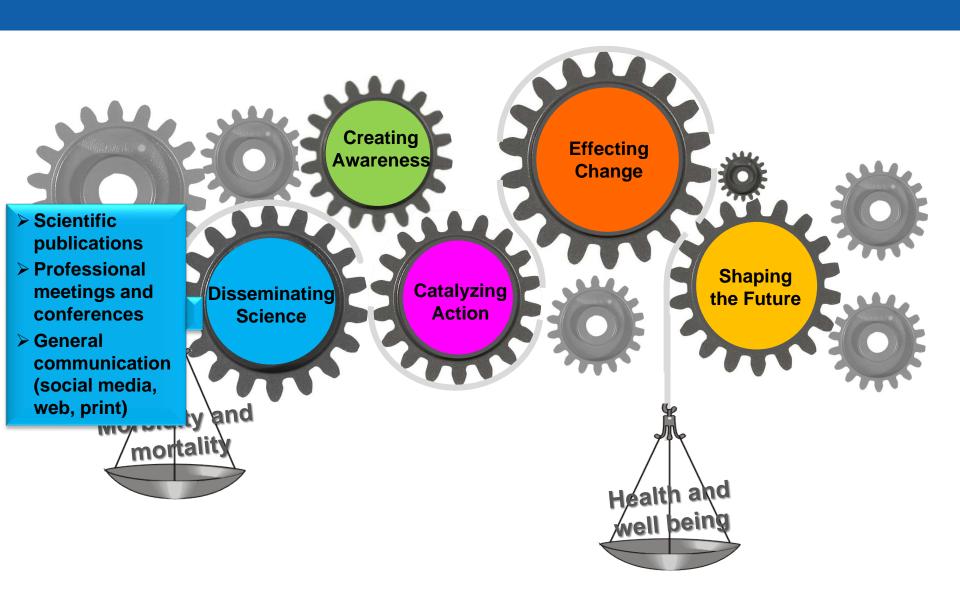
http://www.cdc.gov/mmwr/pdf/rr/rr5801.pdf

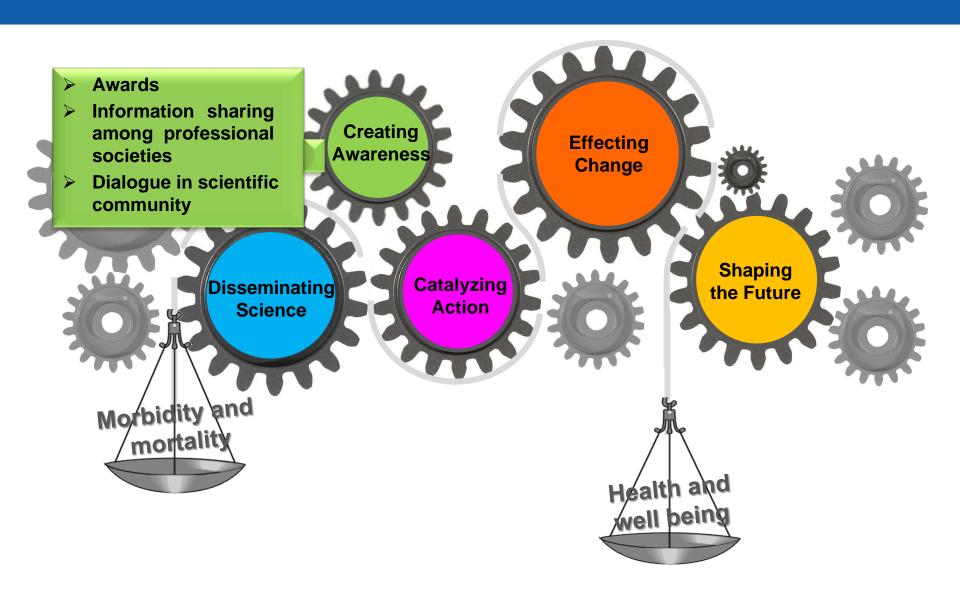
### **Strategies for communication**

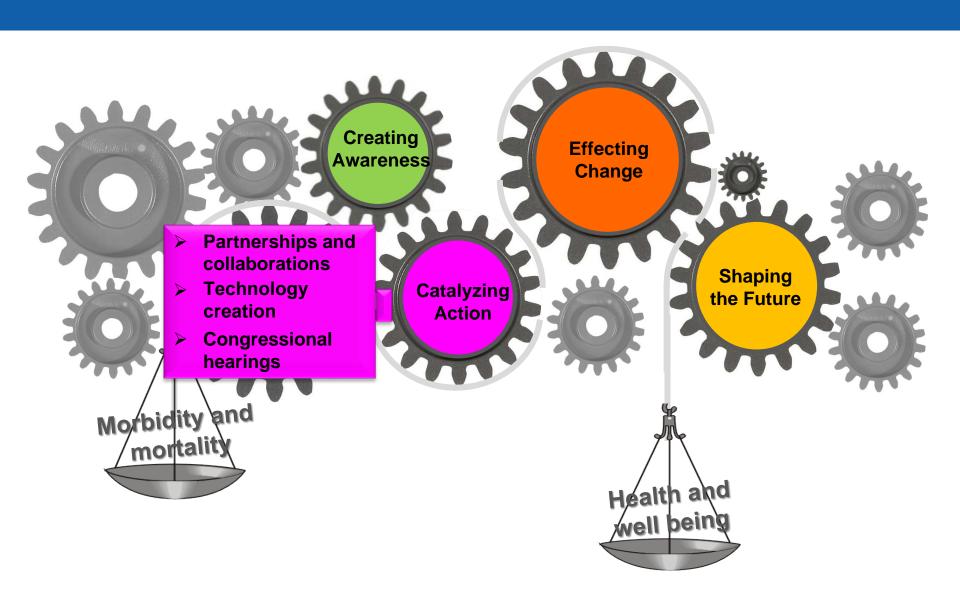
- Partnerships
- Collaborations
- Publications
- > Health Communications
- Health Marketing

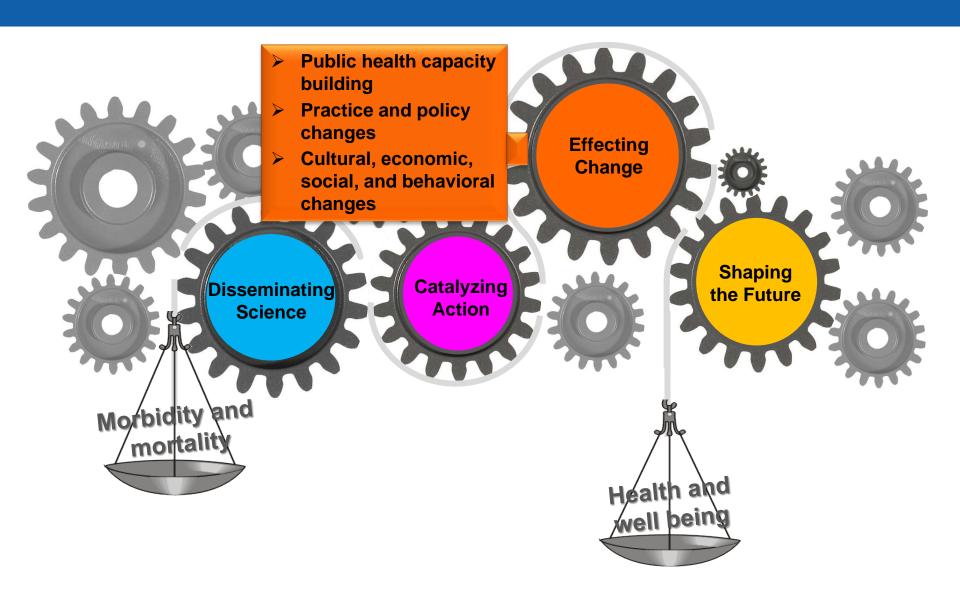
## **CDC Science Impact Framework 5 Levels of Scientific Influence**

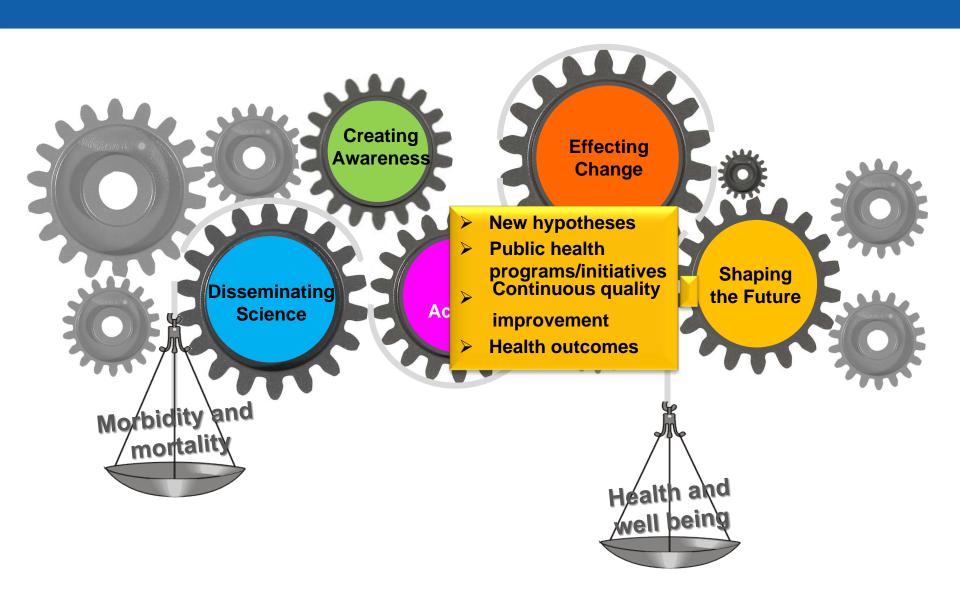


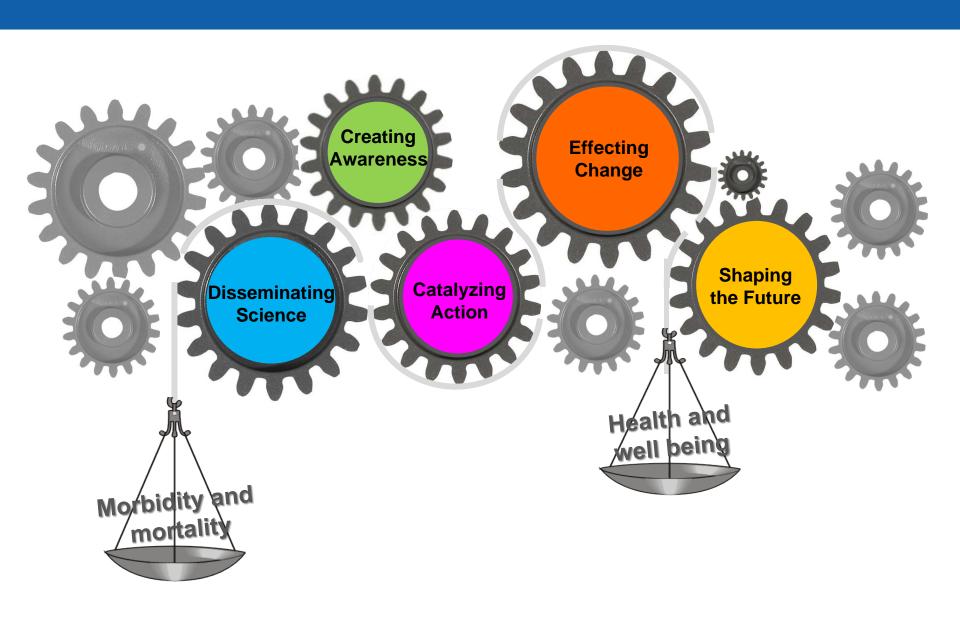












#### Scientific Impact – CDC Framework

#### CDC Science Making a Difference - Five Levels of Influence

**DISSEMINATING SCIENCE:** Disseminating science may include publication of findings in peer review journals or other venues, presentation at conferences, or through other media channels.

**CREATING AWARENESS:** Receiving recognition may include awards, general awareness, or acceptance of a concept or findings by scientific community or policy makers, generating new discussion.

**CATALYZING ACTION:** Catalyzing action may include partnerships and collaborations, technology creation, congressional hearings or bills, or introduction in practice.

**EFFECTING CHANGE:** Effecting change may include building public health capacity, legal/policy change, cultural/social/behavioral change, or economic change.

**SHAPING THE FUTURE:** Shaping the future may include new hypothesis or strategies, implementation of new programs/initiatives, or quality improvement.

## Thank you!

For more information, contact CDC

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TTY: 1-888-232-6348

www.cdc.gov

The findings and conclusions in this report are those of the authors and do not necessarily represent the official position of the Centers for Disease Control and Prevention.

