

*Reconsidering  
“Shaping a Health Statistics  
Vision for the 21<sup>st</sup> Century”*

National Committee on Vital and Health Statistics  
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# Topics

## *Shaping a Health Statistics Vision for the 21<sup>st</sup> Century* (NCVHS, 2002)

- Process
- Definitions
- Conceptual frameworks
- Findings
- Principles
- Recommendations

## Reconsidering *Shaping a Health Statistics Vision for the 21<sup>st</sup> Century*

- Purpose
- Process
- Products and timeframe

## NCVHS ratings of recommendations

Final Report  
November 2002

# Shaping a Health Statistics Vision for the 21st Century



Centers for Disease Control  
and Prevention  
National Center for Health Services

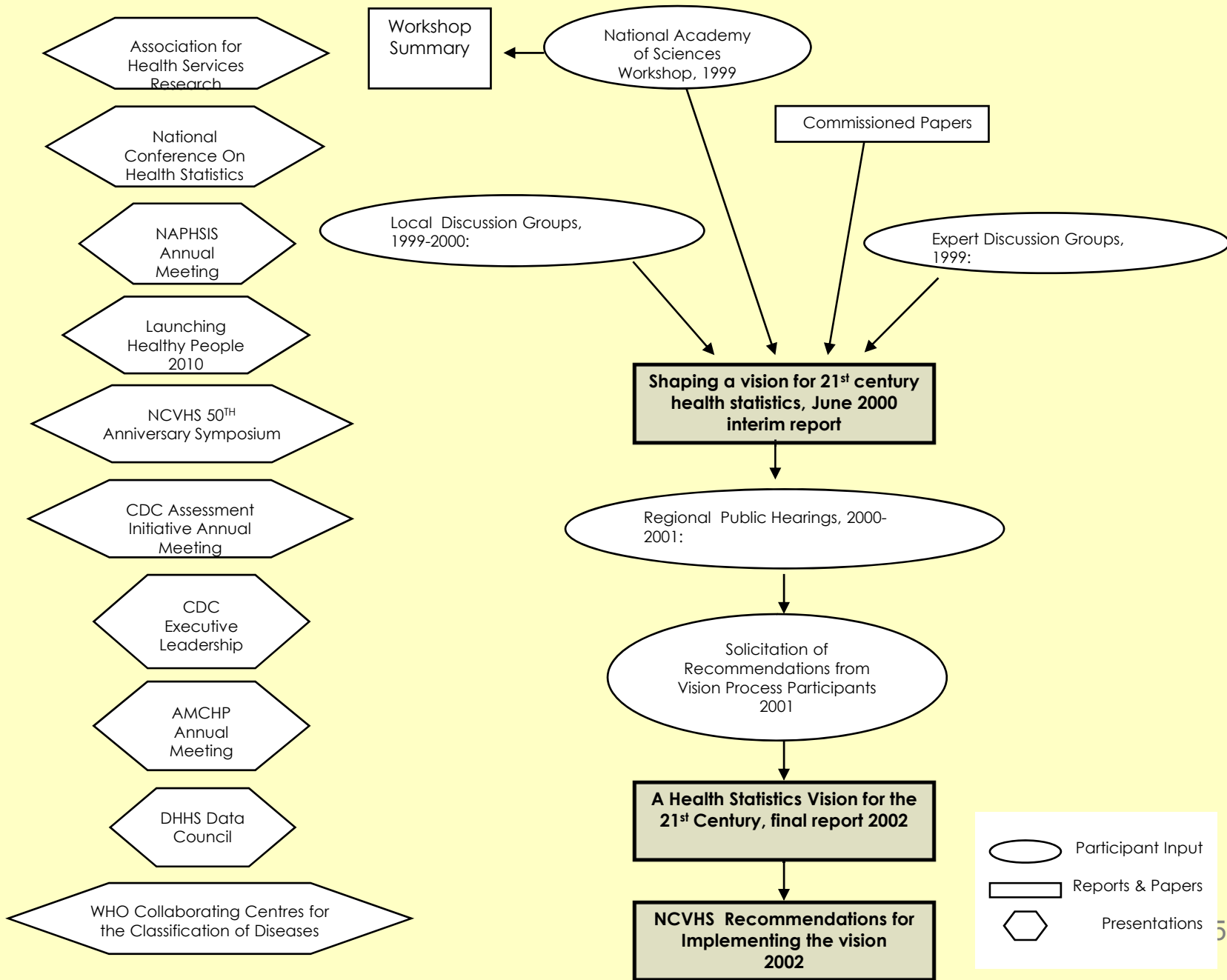


National Committee on  
Data and Health Statistics

## *Partners*

- National Committee on Vital and Health Statistics
- National Center for Health Statistics
- DHHS Data Council

# Joint NCVHS, NCHS, and DHHS Data Council process for developing the 21<sup>st</sup> century for health statistics



# *Defining Health Statistics*

Numerical data that characterize the health of a population and the influences and actions that affect the health of a population

## *The Health Statistics Enterprise*

. . . is the infrastructure and activities necessary to produce health statistics.

## *The Mission of the Health Statistics Enterprise*

. . . is to efficiently provide timely, accurate, and relevant information that can be used to improve the nation's health.

# *The Health Statistics Enterprise*

- Collects, analyzes, and disseminates data on the health of populations and the factors that influence health
- Includes public and private organizations and individuals at all geopolitical levels that perform the processes of health statistics
- Is highly decentralized

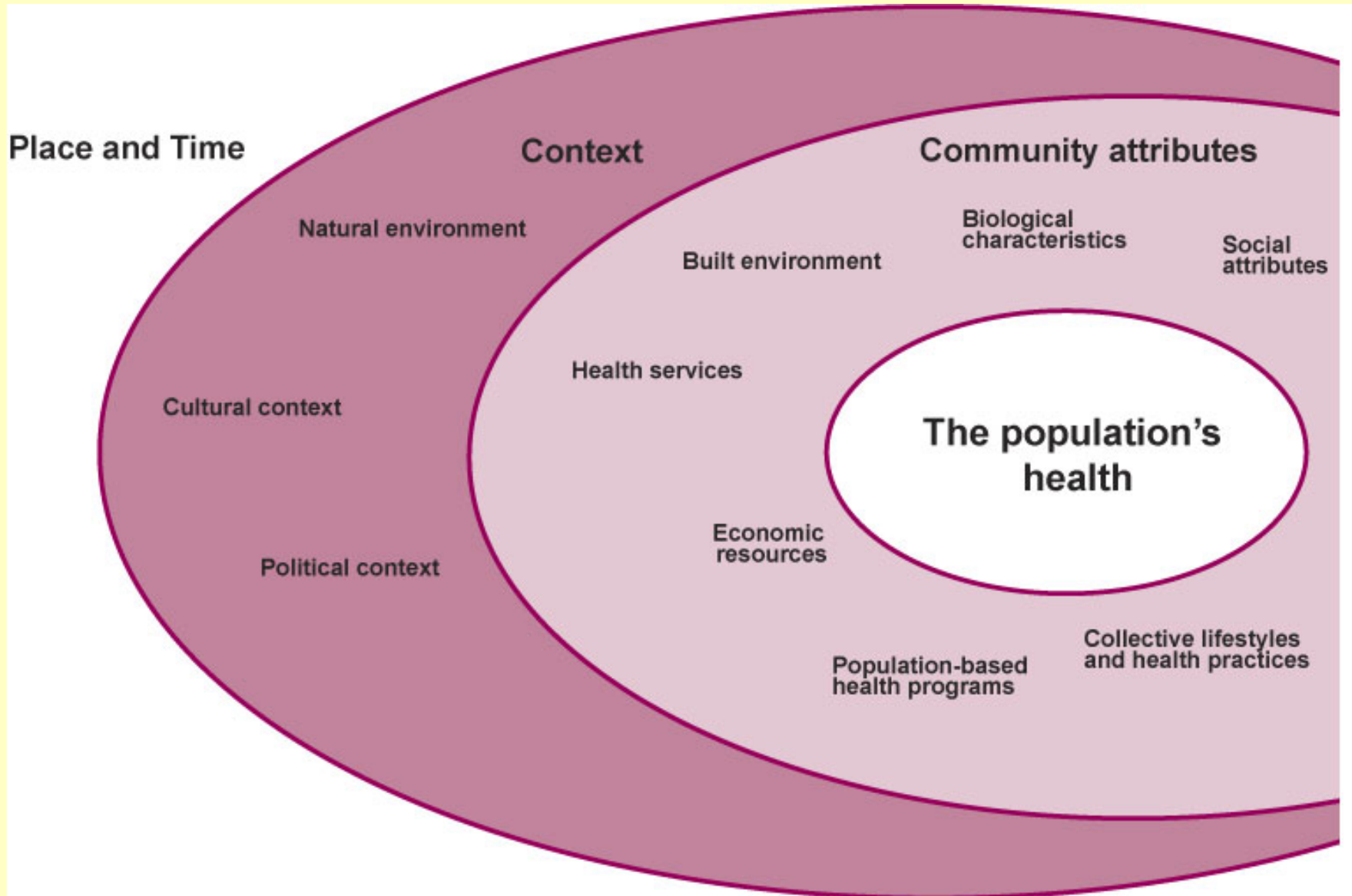


## *Conceptual Framework: Influences on a Population's Health*

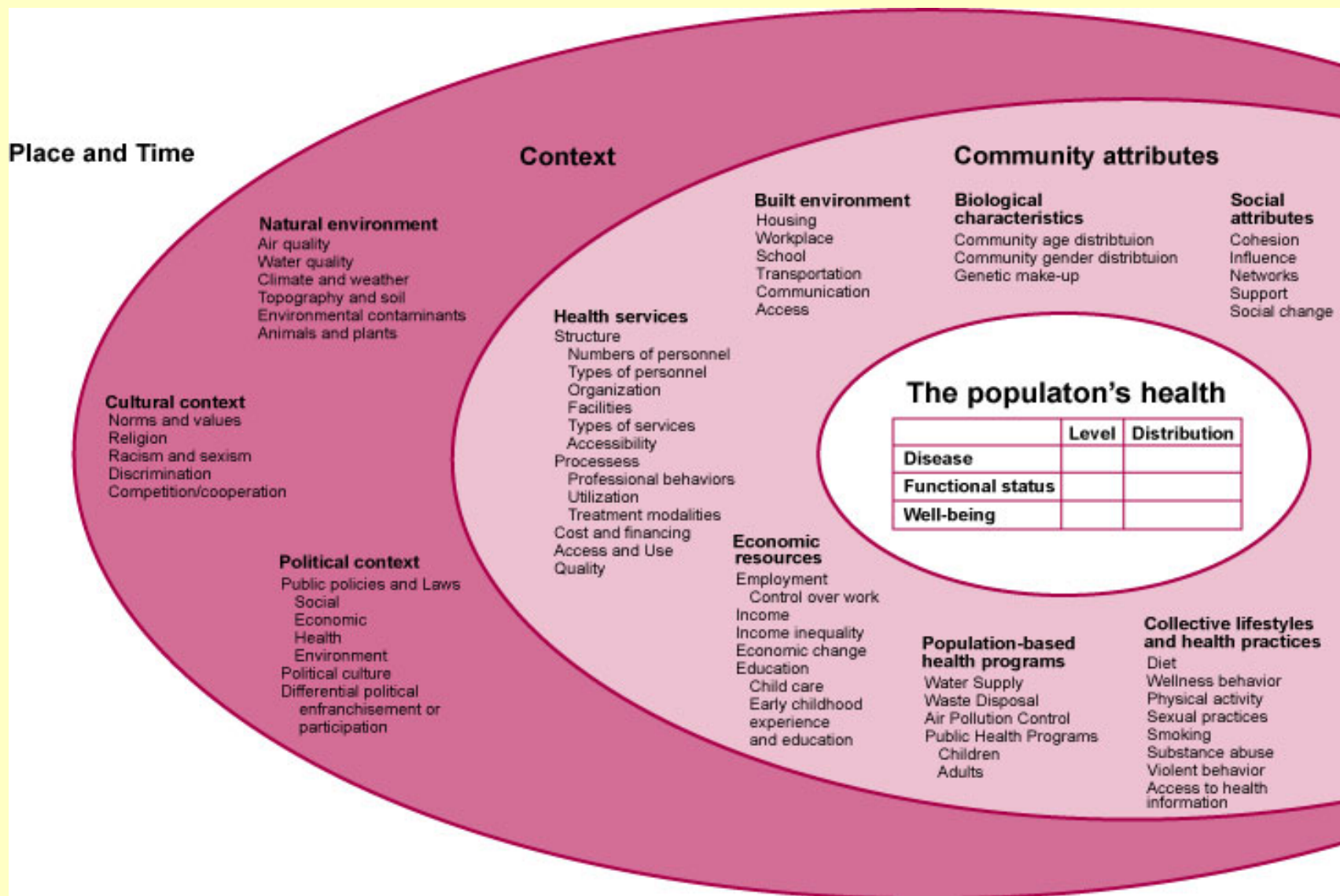
...helps to maintain a focus on needed data and guides the health statistics enterprise.

- Focuses on communities and their context
- Delineates major influences on health
- Emphasizes the level and distribution of health
- Defines a research agenda for improving a population's health

# *Influences on a Population's Health*



# Influences on a Population's Health



## *Unrealized Potential: Causes*

- Narrow definition of population health
- Focus on individual rather than community
- Limited vertical and horizontal integration of data
  - State and local
  - Vulnerable populations
- Insufficient longitudinal and life cycle data
- Disparity between data availability and data use

## *Unrealized Potential: Results*

### Abundant data, too little information

- Cultural and political contexts
- Community attributes
- Appropriate measures of health
  - Individual disease?
  - Life cycle?
  - Functional status?
  - Well-being?
- Geographic and subpopulation detail

# *Conceptual Framework: Health Statistics Cycle*

...helps to maintain a focus on needed components of a rational health statistics process

- Focuses on defining user data needs, identifying data sources, translating data into useful statistics for users, and evaluating the extent to which user needs are met
- Central role of integrating hub

# Health Statistics Cycle





# *Unrealized Potential*

Existing enterprise-wide coordinating and integrating efforts largely ineffective

- Insufficient
  - Connections between data sources, data collectors, and data users
  - Attention to developing consensus approaches and standards to simplify collection, protection, and access
  - Resources
    - investment in new methods
    - training
      - » producers
      - » Users
    - places at risk performance and usefulness of data collection systems
  - Collaboration with decision-makers
- Lacks
  - Overall confidentiality and data-sharing framework
  - Flexibility and adaptability
  - Enterprise-wide planning forum
- Undue burden on data sources



# *Vision for Health Statistics Enterprise: Ten Guiding Principles*

1. Enterprise-wide planning and coordination
2. Broad collaboration among data users, producers, and suppliers at local, state, and national levels
3. Rigorous policies and procedures for protecting privacy, confidentiality, and security
4. Flexibility to identify and address emergent health issues and needs
5. Use of data standards

# *Vision for Health Statistics Enterprise: Ten Guiding Principles*

6. Sufficient detail at different levels of aggregation
7. Integrated, streamlined data collection for multiple purposes
8. Timely production of valid and reliable health statistics
9. Appropriate access to and ease of use of health statistics
10. Continuous evaluation of the completeness, accuracy, and timeliness of health statistics and the ability of the health statistics enterprise to support their production

# *NCVHS Recommendations*

## Developing the recommendations

- Suggestions throughout vision process
- Iterative process with vision participants
  - Recommendations solicited during regional public hearings
  - Structured solicitation of recommendations
  - Draft recommendations circulated
  - Revised draft of recommendations circulated

# *NCVHS Recommendations*

## Overview of recommendations

- Detailed recommendations for achieving the ten guiding principles (30 recommendations)
- Recommendations for moving toward adoption of the overarching conceptual framework (6 recommendations)
- Recommendations relate to:
  - Health statistics enterprise structure
  - Data set development
  - Data standards
  - Privacy policy
  - Data access and use
  - Training
  - Evaluation
  - Research agenda

## *Purpose--Reconsidering “Shaping a Health Statistics Vision”*

- Assess progress on *Vision* recommendations
- Update, reconsider, and revise *Vision* in light of national and international developments
  - Models of population health and new research on influences on population health
  - Ubiquitous presence of the World Wide Web
  - Standards for EHRs and PHRs
  - NCVHS and other reports
  - Impacts on organization of health statistics in 2010’s

# *Process--Reconsidering “Shaping a Health Statistics Vision”*

- Literature review
  - “Shaping a Health Statistics Vision”
  - “Information for Health”
  - Other relevant NCVHS, NCHS, Markle Foundation, Commonwealth Fund, RWJF, NAS, and other reports, Web sites, and grey literature
  - International developments in health statistics
- Expert interviews
- Iterative reviews of findings with NCVHS and NCVHS staff

# *Products and Timeframe--Reconsidering “Shaping a Health Statistics Vision”*

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Suggestions on updates to “Vision”	May 2009
Assess progress since 2002 on <i>Vision</i> recommendations	June 2009
Discuss with NCVHS possible changes to <i>Vision</i>	
Draft working paper on expected changes to “Vision”	September 2009
Recommendations on future workshops or public hearings	September 2009

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# *NCVHS Ratings of Recommendations*

- Considerations
  - Current relevance
  - Intersection with e-health
  - Long-term importance
- Summary judgment
  - High
  - Medium
  - Low



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