

# NCVHS and International Classification of Functioning, Disability and Health

## Report from:

15th North American Collaborating Center Conference on  
ICF: *“Enhancing our Understanding of the ICF”*

June 23-24, 2010

National Institutes of Health, Bethesda, MD

Justine Carr, MD

Chair, National Committee on Vital and Health Statistics

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Executive Secretary, NCVHS

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# Conference Objectives

- To review and accentuate current debates about the degree to which ICF can be applied in specific disciplines, such as Gerontology and the Rehabilitation Sciences;
- To raise awareness about the alignment of ICF coding with current health informatics initiatives;

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# Conference Objectives

- To provide an educational opportunity to learn about basic and applied ICF coding, in addition to but distinct from the familiar ICF conceptual framework; and
- To enable enhanced sharing of resources regarding ICF applications between and among American and Canadian scientists and government agencies.

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# NCVHS Chair Overview

- Reviewed July 2001 NCVHS Report on Classifying Functional Status

*“Alignment of stars”* for ICF a decade later

- Update on NCVHS recommendations
- Electronic health records
- Health Care Reform– Affordable Care Act
- Challenges

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# NCVHS July 2001

## “Classifying and Reporting Functional Status”

*The Committee believes that the ICF should be evaluated for use in coding functional status information in both electronic patient records and administrative data. This research should begin as soon as possible, under the leadership of HHS, with the intention of readying a code set for use when broader agreement has been reached that it is needed.*

The following NCVHS recommendations are intended to help bring about three basic and necessary steps, which are likely to take several years:

1. broad agreement on the importance of collecting functional status information;
2. selection of a code set for functional status data in standardized records, including electronic patient records and claims and encounter records;
3. selection and testing of a code set for these purposes.

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# 2002 NCVHS Report

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

### Recommendations

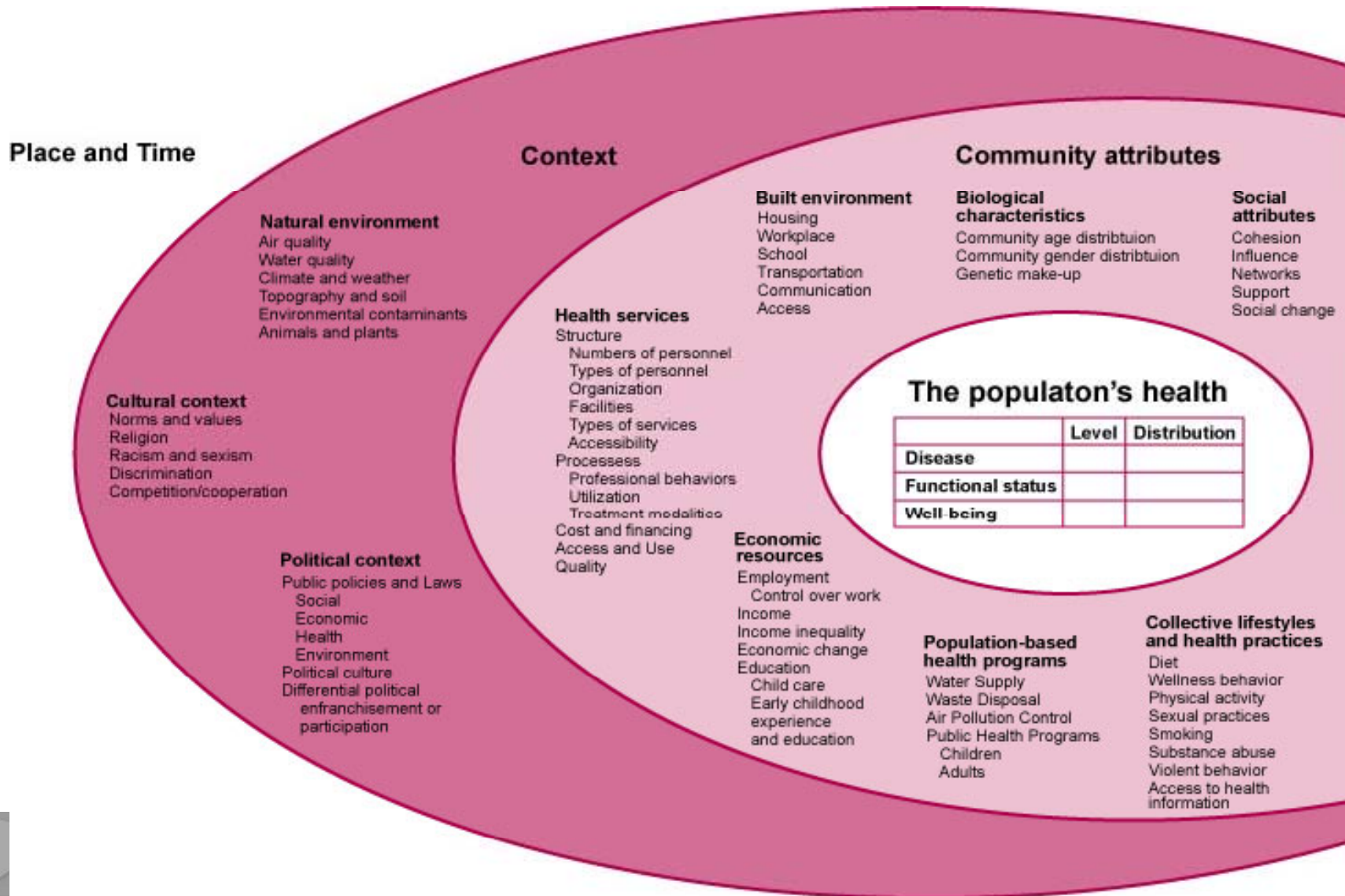
- Assure that appropriate measures of functional status and well-being are included in ongoing systems that are part of the health statistics enterprise
- The ICF presents a framework for assessing function that takes into account the social aspects of functional status and provides a mechanism to document the impact of the social and physical environment on a person's functioning.

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# Influences on a Population's Health



# A Decade Later– Status Update

2006, the Federal Consolidated Health Informatics (CHI) Initiative endorsed both International Classification of Functioning, Disability and Health (ICF) and SNOMED CT as standards for vocabulary content in the functioning and disability domains.

2007, the Institute of Medicine Committee on Disability in America report “Future of Disability in America,” advocated for adoption and refinement of ICF as the conceptual framework for disability monitoring and research.

Currently,

- Functional status is not reported as part of a standard HIPAA transaction.
- HL7 EHR-S Functional Model includes functional status within the problem list information.

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# PPACA and Functional Status

**Sec. 3023. National Pilot Program on Payment Bundling.** Amends title XVIII of the SSA and adds:

“National Pilot Program on Payment Bundling  
Sec. 1866D. (a) Implementation—“

The Secretary shall establish a pilot program for integrated care during an episode of care provided to an applicable beneficiary around a hospitalization in order to improve coordination, quality, and efficiency healthcare services.

...

Secretary shall establish quality measures related to care provided by entities participating in the pilot program.  
They shall include:

- Functional status improvement**

....

# PPACA and Functional Status

- Sec. 2013 Quality Measure Development

.....

Secretary can award grants, contracts or intergovernmental agreements to eligible entities for the purposes of developing, improving, updating or expanding quality measures identified. Priority will be given to measures that assess targeted areas, including--

- Health outcomes and functional status of patients

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# Functional Status Enhancing Inpatient Care

- Quality
  - Example of how functional status impacts quality assessment: NYHA Classification
- Safety
  - Examples of how functional status impacts understanding and prevention of harm

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# NYHA Class Impact

- 2001 Effectiveness of early ACE –inhibitor medication stratified by NYHA Class
- 2009 Resynchronization therapy cuts heart-failure risk in patients with only mild disease (NYHA Class 1 and 2)
  - Targeting use of high cost technology
- 2010 Patients' self-assessed functional status in heart failure by NYHA Class: a prognostic predictor of hospitalizations, quality of life and death.

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# Topics for Continued Research

(identified in 2001 and still relevant)

- Feasibility of extracting functional status information from patient records in different settings
- Training required for personnel
- Time required to ascertain and code functional status information
- Cost of extracting functional status information
- Appropriate interval at which to collect the information in medical records
- Value of the resulting information
- Reliability and validity of the information

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# Electronic Health Record Challenges

- Structured data collection
- Patient-centered care
- Electronic capture
  - Source: clinician or individual?
  - EHR and/or PHR
- Integration into efficient workflow
- Data standards

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# Going Forward

- NCVHS will continue to monitor this topic through Subcommittees
  - Populations
  - Quality
  - Standards
  - Privacy
- NCVHS will receive a report on the conference at Sept. or Dec. meeting

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# Going Forward

- NIH Videocast available on NIH website (<http://videocast.nih.gov/>)
- Conference report was presented at WHO-FIC Network 2010 Meeting (Oct.)
  - Network is developing database on ICF applications
- Additional webinars may be scheduled
- ICF educational webinars will continue
- NACC welcomes the opportunity to explore next steps with NCVHS

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