

A Critique of the ICF With Recommendations for Environmental Factors

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Craig Hospital

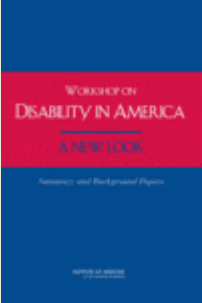


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**LIVING IN OUR ENVIRONMENT:
The Promise of ICF**

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Vancouver, British Columbia (Canada)

Based on Workshop Presentation and Institute of Medicine Publication



Conceptual Models Of Disability: Past, Present, & Future

Gale Whiteneck, PhD

Institute of Medicine
Workshop on
Disability in America:
A New Look

WORKSHOP ON
DISABILITY IN AMERICA

A NEW LOOK

Summary and Background Papers

Based on a Workshop of the Committee on Disability in America:
A New Look

Board on Health Sciences Policy

Marilyn J. Field, Alan M. Jette, and Linda Martin, editors

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A Brief History of Models of Disability

Model	Origin	Organ Level	Personal Level	Societal Level	Other Domains
Nagi	Pathology	Impairment	Functional Limitations	Disability	
WHO '80	Disease	Impairment	Disability	Handicap	
IOM '91	Pathology	Impairment	Functional Limitations	Disability	
NCMRR '92	Pathophysiology	Impairment	Functional Limitations	Disability	Societal Limitations
IOM '97	Pathology	Impairment	Functional Limitations	Disability	Environmental Factors Quality of Life
WHO '02	Health Condition	Body Structure & Function	Activity	Participation	Environmental Factors Personal Factors

Focus of this Presentation Is on the Revision of ICDH to ICF

- Both Cosmetic and Substantive Changes
- One Major Step Forward
- One Step Back
- And Seven Steps to a Complete Model
- Recommendations for Environmental Factors

The Original WHO ICIDH

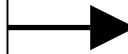
Model of Disablement

Disease

Impairment

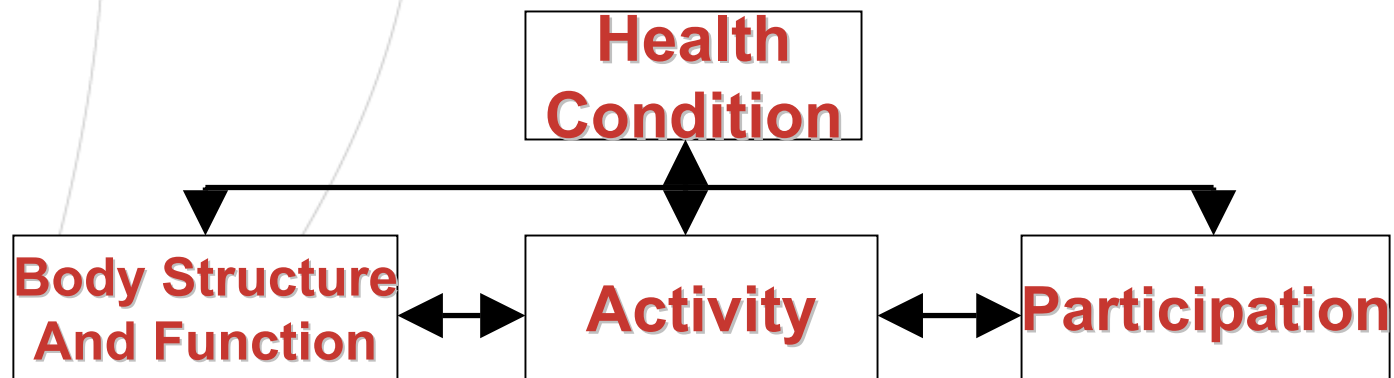
Disability

Handicap



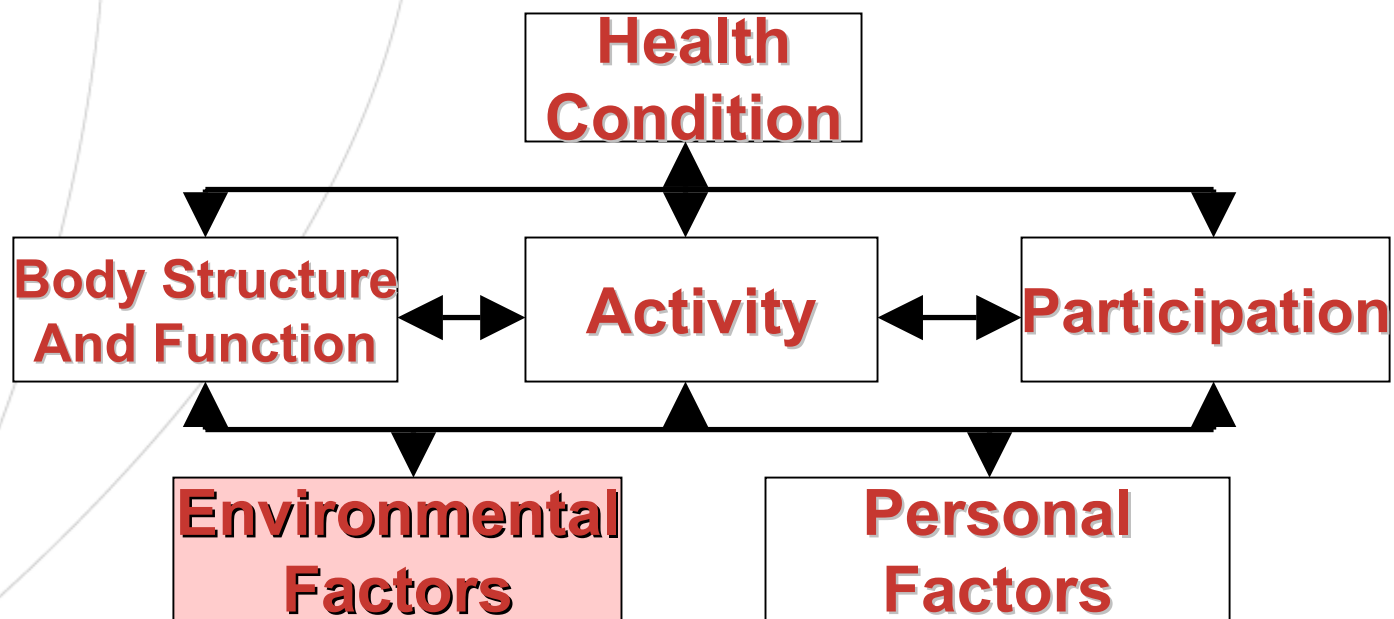
Cosmetic Changes to the ICF (Labels and Arrows)

Model of Functioning and Disability



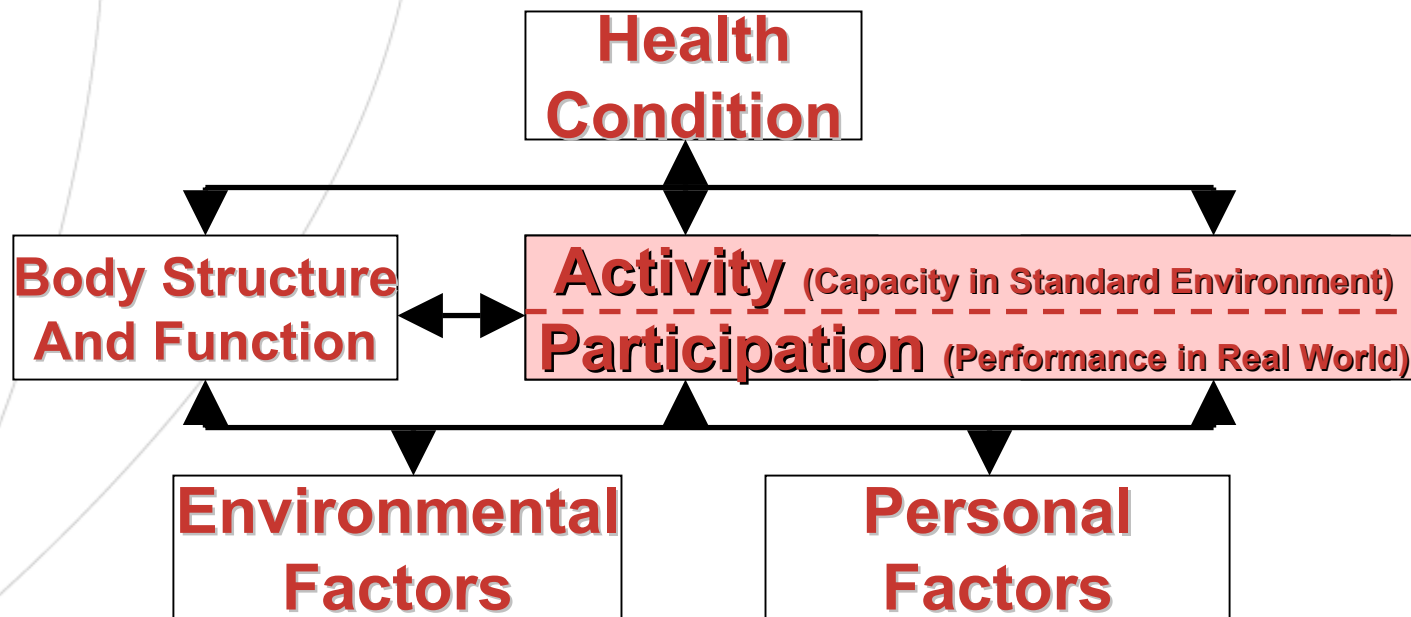
ICF Major Step Forward: Addition of Environmental Factors

Model of Functioning and Disability



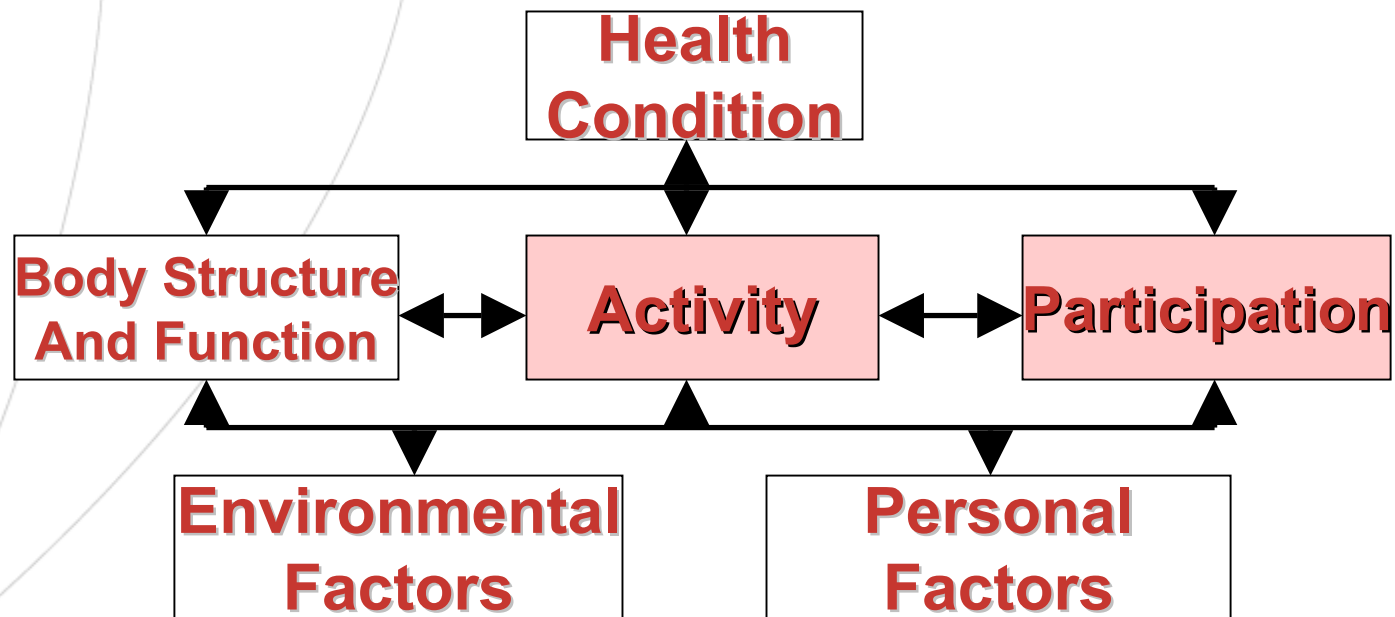
ICF Major Step Backward: Blurred Activity and Participation

Model of Functioning and Disability



1st Step Needed in ICF-2: Differentiate Activity & Participation

Model of Functioning and Disability



1st Step Needed in ICF-2: Differentiate Activity & Participation

Activity

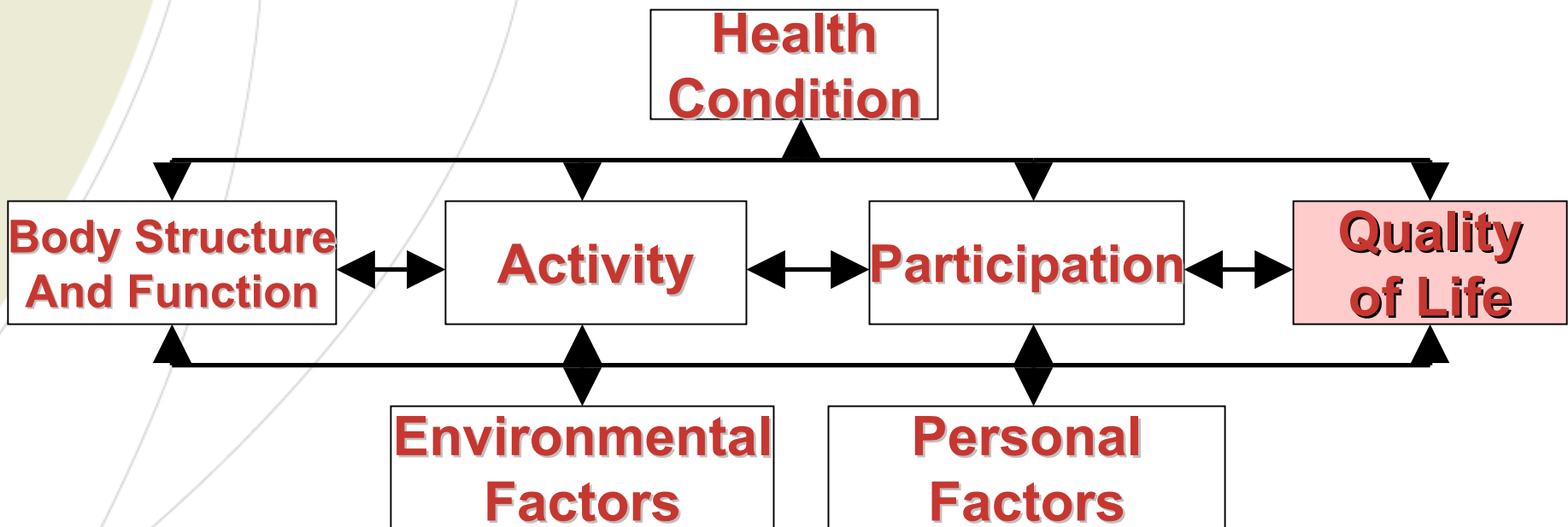
Individual Level
Performed Alone
Simple
Related to Impairment
Less Environment Dep.
Medical Model of Disability
Focus of Rehab
Assessed in Hospital
Clinician Assessment
Not Always at Possible
Task

Participation

Societal Level
Performed with Others
Complex
Related to Quality of Life
More Environment Dep.
Social Model of Disability
Focus of Consumers
Assessed in Community
Self or Proxy Report
Always Theoretically Possible
Social Role

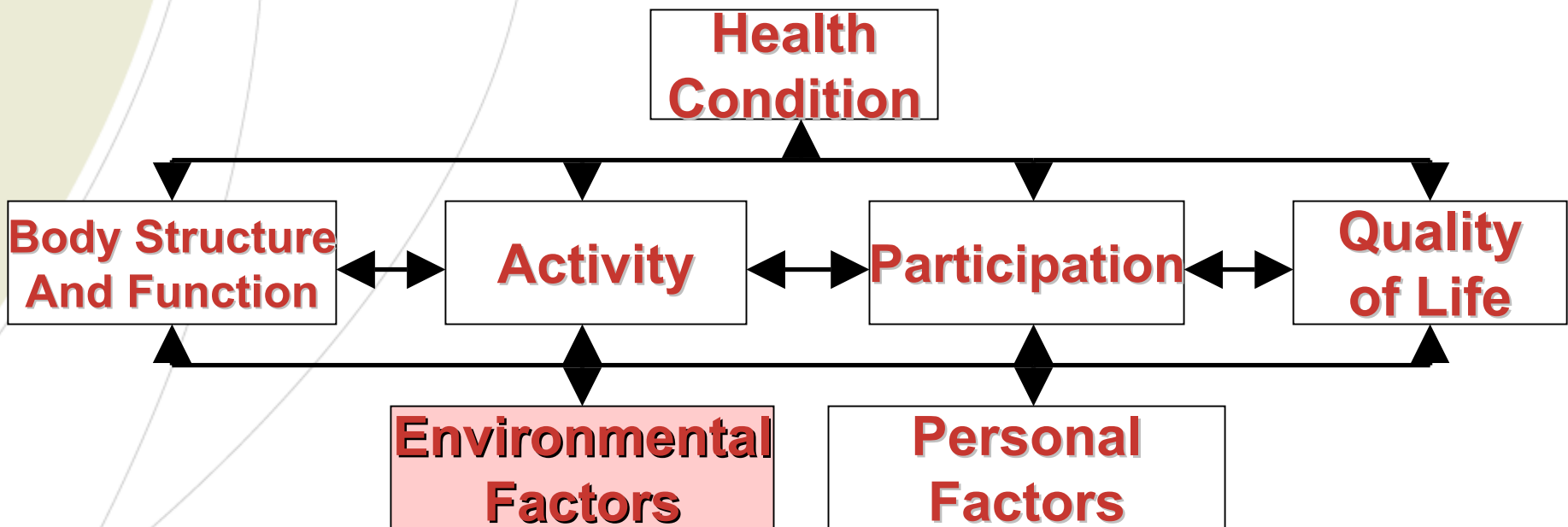
2nd Step Needed in ICF-2: Addition of Quality of Life

Model of Functioning and Disability

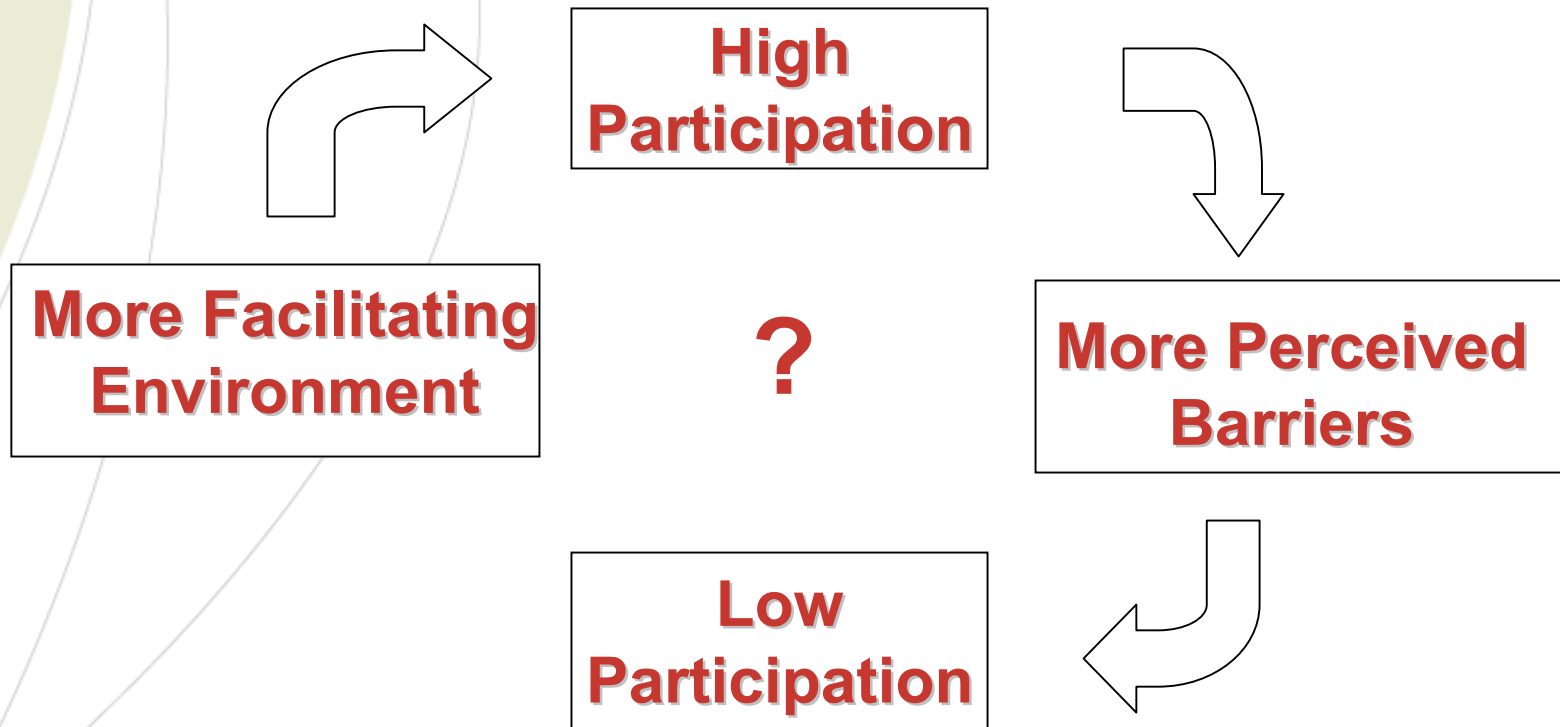


3rd Step Needed in ICF-2: Elaborate Environmental Factors

Model of Functioning and Disability

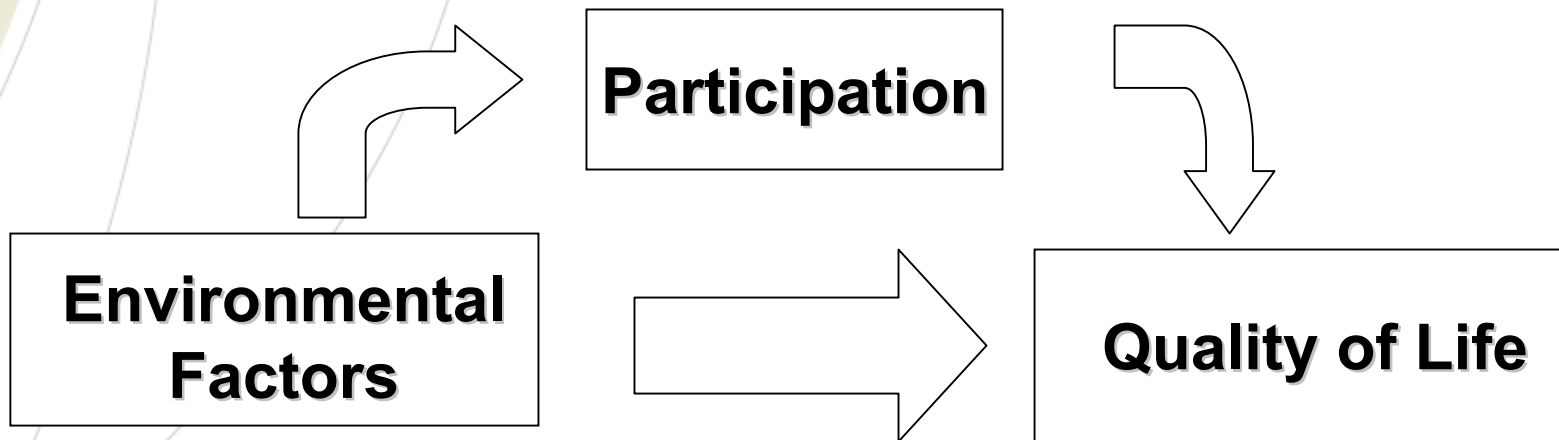


3rd Step Needed in ICF-2: Elaborate Environmental Factors



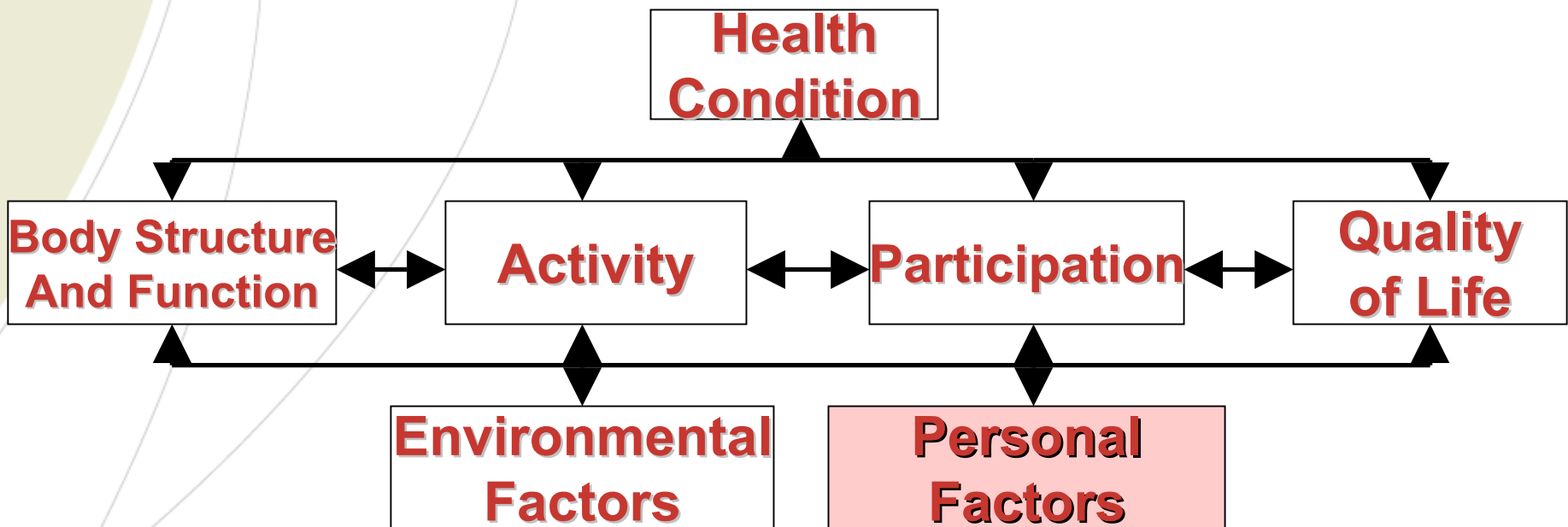
3rd Step Needed in ICF-2: Elaborate Environmental Factors

Refine our conceptual understanding of the role of environmental factors

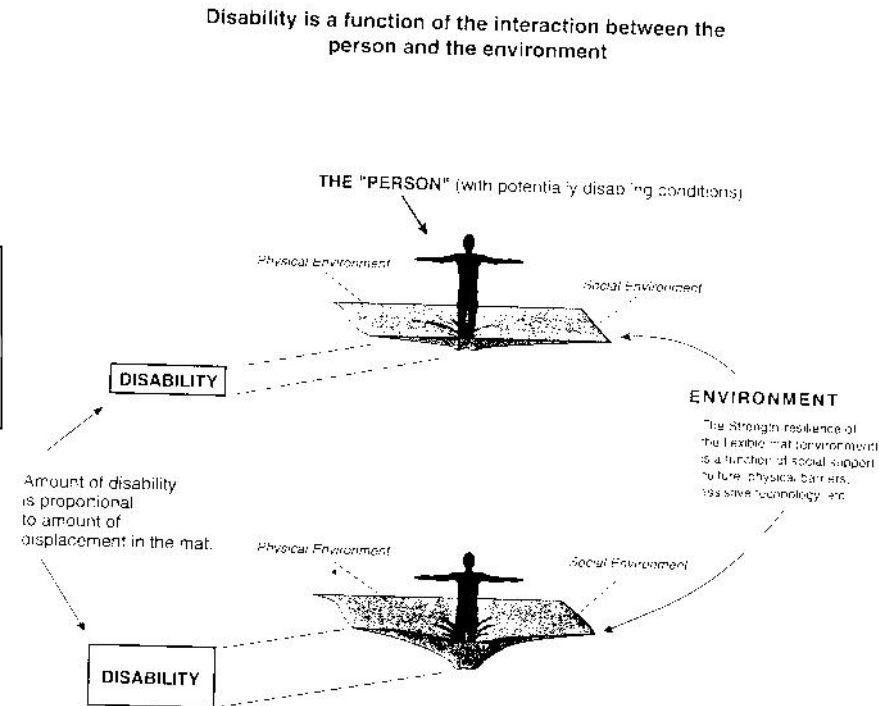
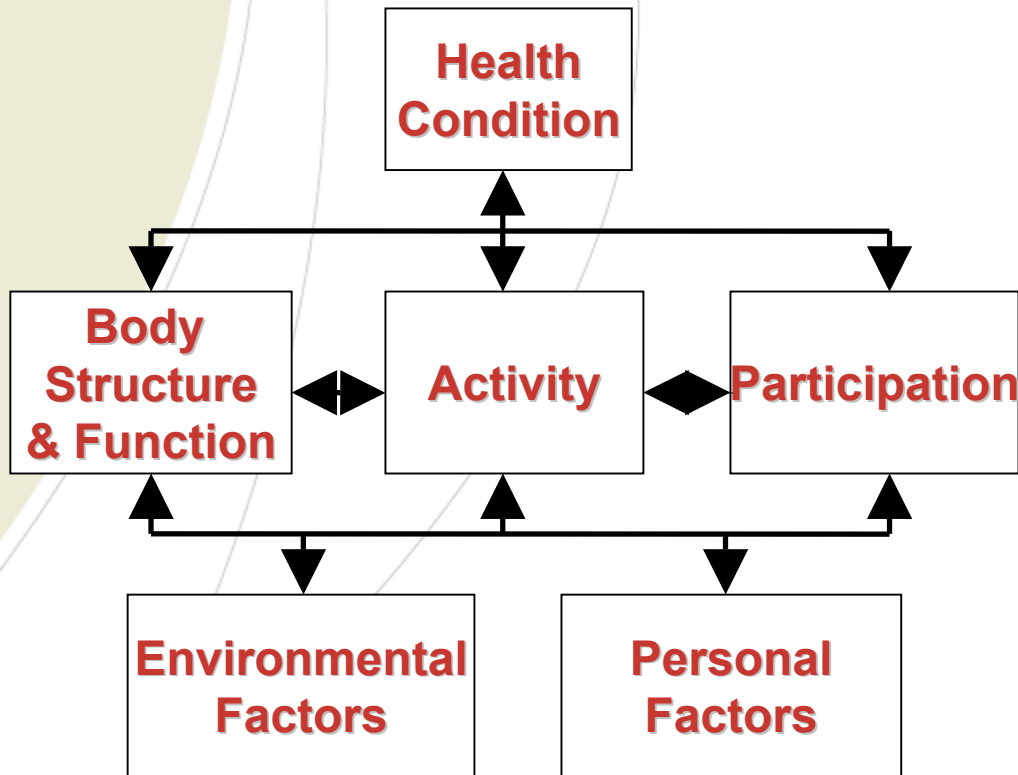


4th Step Needed in ICF-2: Develop Personal Factors

Model of Functioning and Disability



5th Step Needed in ICF-2: Refine the Graphic Model



6th Step Needed in ICF-2: Test the Model

- Little Empirical Evidence Supporting the Implied Relationships Among the ICF Domains
- Need Psychometrically Sound Measures of ICF Domains and Research Strategy
- Need Multiple Tests of the Model in Various Disability Populations

7th Step Needed in ICF-2: Design and Test Interventions

- The Purpose of a Model is to Guide Interventions to Improve the Lives of People with Disabilities
- Design, Implement, and Test Interventions Suggested by the Model of Disability

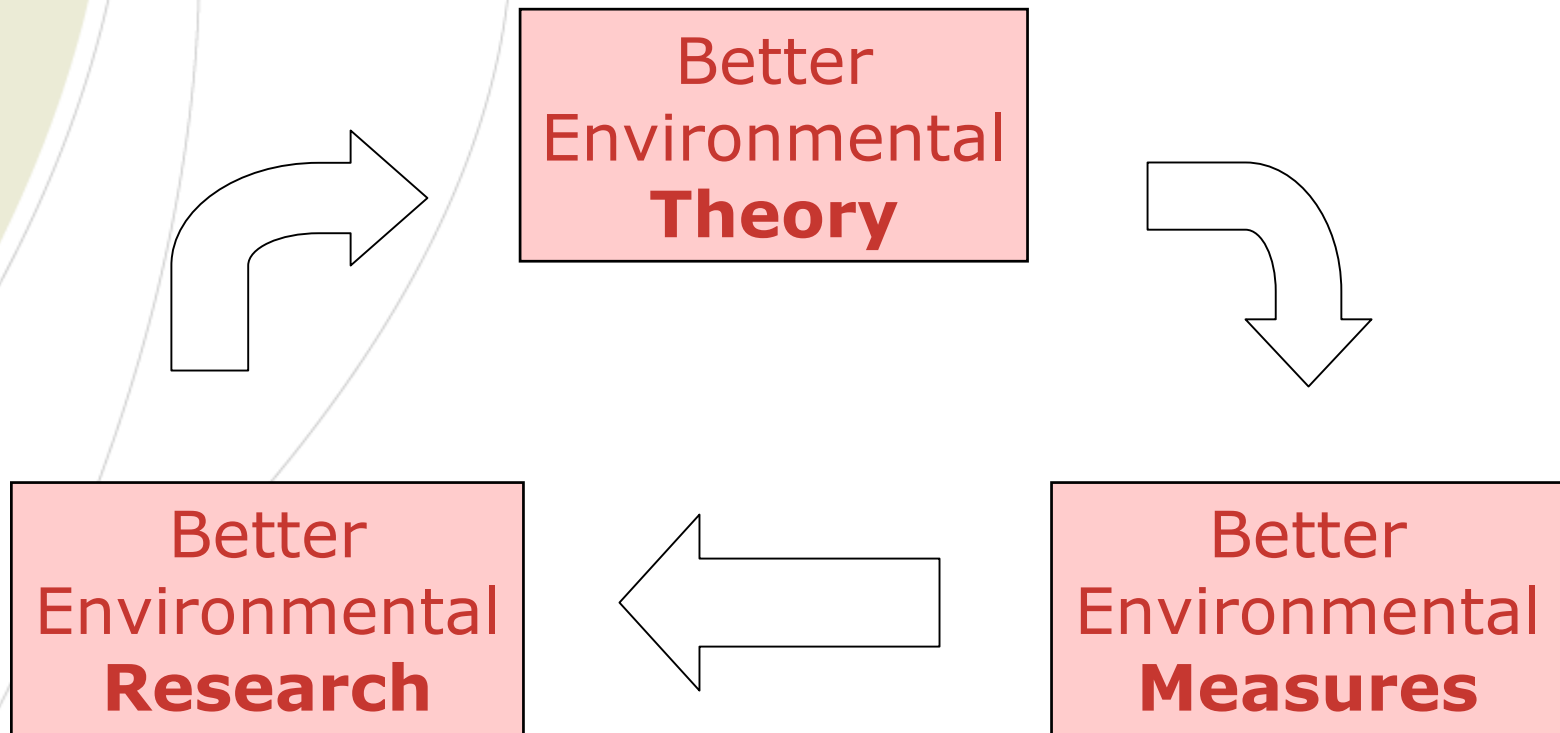
Conclusions About the ICF

- Cosmetic Changes in Domain Labels
- Major Step Forward Adding Environment
- A Step Back Blurring Activities & Participation
- Seven Steps Needed to a Complete Model
 1. Differentiate Activities and Participation
 2. Add Quality of Life
 3. Elaborate Environmental Factors
 4. Develop Personal Factors
 5. Refine the Graphic Model
 6. Test the Model
 7. Design and Test Interventions

Recommendations for Environmental Factors

- Remember that Adding Environmental Factors was the Most Significant Step Forward in ICF
- But Further Elaborating Environmental Factors is a Critical Next Step in Revising the ICF
 - There is much to learn about the role of environmental factors
 - Theory is needed to explain under what conditions environmental barriers actually stop participation, and under what conditions people move beyond barriers and participate
- Better Environmental Measures are Needed
- Better Environmental Research is Needed

The Environmental Trinity





Thank You

For More Information Contact:

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