

# **ICF: Measuring participation for disability and health practitioners**

Gale Whiteneck, PhD, FACRM  
Craig Hospital  
Englewood, Colorado

# Presentation Outline

---

---

- What is participation
- How does it differ from activity
- Objective measurement of participation
- Objective vs. subjective measurement
- Subjective measurement of participation
- Take home summary

# What is Participation

---

---

- ICF: involvement in life situations
- Being an active, productive member of society, well integrated into family and community life
- Fulfilling social roles
- The goal of the ADA

# Activity vs. Participation

---

---

- The difference between what rehabilitationists say they do and what they measure
- ICF fails to differentiate activity and participation and creates one list of activity and participation categories
- ICF-2 needs to fix that problem

# Activity vs. Participation

---

---

- Activity is performance at the individual level
- Participation is performance at the societal level

# Activity vs. Participation

---

---

- Activities can be performed alone
- Participation is performed with others

# Activity vs. Participation

---

---

- Activities are relatively simple
- Participation is more complex

# Activity vs. Participation

---

---

- Activities are more strongly related to impairment
- Participation is more strongly related to quality of life



# Activity vs. Participation

---

---

- Activities are less dependent on the environment
- Participation is more dependent on the environment

# Activity vs. Participation

---

---

- Activity is the focus of the medical model of disability
- Participation is the focus of the social model of disability

# Activity vs. Participation

---

---

- Activity is the focus of rehabilitation
- Participation is the focus of people with disability, their family, and society

# Activity vs. Participation

---

---

- Activity is usually assessed in the hospital, clinic, or medical setting
- Participation is usually assessed in the community

# Activity vs. Participation

---

---

- Activity is typically assessed by clinicians
- Participation is typically assessed by self or proxy report

# Activity vs. Participation

---

---

- Current science can not always solve activity limitations
- Society can, at least theoretically, solve participation restrictions

# Activity vs. Participation

---

---

- Activity limitations and medical complications may be what you often document
- Participation is what you should consider documenting because it is closer to your goals

# Objective Measurement of Participation

---

---

- Ask relatively objective questions that can be answered in quantifiable terms reflecting counts or frequencies, or can be answered with a yes or no
- The content of the questions reflect relatively common methods of demonstrating participation



# PART-O

---

---

- Participation Assessed with Recombined Tools – Objective
- Derived from three objective measures of participation
  - CHART
  - CIQ-2
  - POPS

# PART-0

---

---

- Three dimensions of participation
  - Productivity
  - Social Integration
  - Community Engagement

# PART-O Productivity Items

---

---

- In a typical week, how many hours do you spend working for money, whether in a job or self-employed?
- (0) None, (1) 1-4 hours, (2) 5-9 hours, (3) 10-19 hours, (4) 20-34 hours, (5) 35 or more hours

# PART-O Productivity Items

---

---

- In a typical week, how many hours do you spend in school working toward a degree or in an accredited technical training program, including hours in class and studying?
- (0) None, (1) 1-4 hours, (2) 5-9 hours, (3) 10-19 hours, (4) 20-34 hours, (5) 35 or more hours

# PART-O Productivity Items

---

---

- In a typical week, how many hours do you spend in active homemaking, including cleaning, cooking and raising children?
- (0) None, (1) 1-4 hours, (2) 5-9 hours, (3) 10-19 hours, (4) 20-34 hours, (5) 35 or more hours

# PART-O Social Items

---

---

- In a typical week, how many times do you socialize with family and relatives, in person or by phone?
- (0) None, (1) 1-4 times, (2) 5-9 times, (3) 10-19 times, (4) 20-34 times, (5) 35 or more times

# PART-O Social Items

---

---

- In a typical week, how many times do you socialize with friends, in person or by phone?
- (0) None, (1) 1-4 times, (2) 5-9 times, (3) 10-19 times, (4) 20-34 times, (5) 35 or more times

# PART-O Social Items

---

---

- In a typical week, how many times do you give emotional support to other people, that is, listen to their problems or help them with their troubles?
- (0) None, (1) 1-4 times, (2) 5-9 times, (3) 10-19 times, (4) 20-34 times, (5) 35 or more times



# PART-O Social Items

---

---

- In a typical week, how many times do you use the Internet for communication, such as for e-mail, visiting chat rooms or instant messaging?
- (0) None, (1) 1-4 times, (2) 5-9 times, (3) 10-19 times, (4) 20-34 times, (5) 35 or more times

# PART-Social Items

---

---

- Do you live with your spouse or significant other?
- (0) No
- (5) Yes

# PART-Social Items

---

---

- Not including your spouse or significant other, do you have a close friend in whom you confide?
- (0) No
- (5) Yes

# PART-Social Items

---

---

- Are you currently involved in an ongoing intimate, that is, romantic or sexual, relationship?
- (0) No
- (5) Yes

# PART-O Community Items

---

---

- In a typical week, how many days do you get out of your house and go somewhere?
- (0.00) None, (1.25) 1-2 Days, (2.50) 3-4 Days, (3.75) 5-6 Days, (5.00) 7 Days

# PART-O Community Items

---

---

- In a typical month, how many times do you eat in a restaurant?
- (0) None, (1) 1-4 times, (2) 5-9 times, (3) 10-19 times, (4) 20-34 times, (5) 35 or more times

# PART-O Community Items

---

---

- In a typical month, how many times do you go shopping?
- (0) None, (1) 1-4 times, (2) 5-9 times, (3) 10-19 times, (4) 20-34 times, (5) 35 or more times

# PART-O Community Items

---

---

- In a typical month, how many times do you engage in sports or exercise outside your home?
- (0) None, (1) 1-4 times, (2) 5-9 times, (3) 10-19 times, (4) 20-34 times, (5) 35 or more times



# PART-O Community Items

---

---

- In a typical month, how many times do you go to the movies?
- (0) None, (1) 1 time, (2) 2 times, (3) 3 times, (4) 4 times, (5) 5 or more times

# PART-O Community Items

---

---

- In a typical month, how many times do you attend sports events in person, as a spectator?
- (0) None, (1) 1 time, (2) 2 times, (3) 3 times, (4) 4 times, (5) 5 or more times

# PART-O Community Items

---

---

- In a typical month, how many times do you attend religious or spiritual services?
- (0) None, (1) 1 time, (2) 2 times, (3) 3 times, (4) 4 times, (5) 5 or more times

# Objective vs. Subjective Measurement of Participation

---

---

- Objective measurement criticized:
  - Because people with disability may not want to do the same things as people without disability
  - Because scoring is based on the norms of people without disability

# Objective vs. Subjective Measurement of Participation

---

---

- Subjective measurement assesses the internal perceptions of people
- Rather than assessing frequency of performance, subjective measurement assesses:
  - Personal importance of each item
  - Satisfaction with each item

# Objective vs. Subjective Measurement of Participation

---

---

- Subjective measurement assesses the internal perceptions of people
- Rather than assessing frequency of performance, subjective measurement assesses:
  - Personal importance of each item
  - Satisfaction with each item

# CPI Enfranchisement Scale

---

---

- Community Participation Indicators
- Based on focus groups of people with disability saying what participation means to them
- Dimension identified assessing the degree to which people have choices and feel valued as members of society

# CPI Enfranchisement Items

---

---

- I get out of my house to do the activities that I choose.
- Would you say that statement is: true, mostly true, mostly false, or false



# CPI Enfranchisement Items

---

---

- I have choices about the activities I want to do.
- Would you say that statement is: true, mostly true, mostly false, or false

# CPI Enfranchisement Items

---

---

- I can go out and have fun.
- Would you say that statement is: true, mostly true, mostly false, or false

# CPI Enfranchisement Items

---

---

- I am able to pursue my dreams and desires.
- Would you say that statement is: true, mostly true, mostly false, or false

# CPI Enfranchisement Items

---

---

- I can get out and about whenever I choose.
- Would you say that statement is: true, mostly true, mostly false, or false

# CPI Enfranchisement Items

---

---

- I feel that I am a part of my community.
- Would you say that statement is: true, mostly true, mostly false, or false

# CPI Enfranchisement Items

---

---

- I contribute to the general well-being of my community.
- Would you say that statement is: true, mostly true, mostly false, or false

# CPI Enfranchisement Items

---

---

- I have control over what I do and how I spend my time.
- Would you say that statement is: true, mostly true, mostly false, or false

# CPI Enfranchisement Items

---

---

- I do things that improve my community.
- Would you say that statement is: true, mostly true, mostly false, or false



# CPI Enfranchisement Items

---

---

- I can get together with people when and where I want.
- Would you say that statement is: true, mostly true, mostly false, or false

# CPI Enfranchisement Items

---

---

- I spend time helping others.
- Would you say that statement is: true, mostly true, mostly false, or false

# CPI Enfranchisement Items

---

---

- I have the freedom to make my own decisions.
- Would you say that statement is: true, mostly true, mostly false, or false

# CPI Enfranchisement Items

---

---

- I have a say on decisions in my community.
- Would you say that statement is: true, mostly true, mostly false, or false

# CPI Enfranchisement Items

---

---

- Other people count on me.
- Would you say that statement is: true, mostly true, mostly false, or false

# CPI Enfranchisement Items

---

---

- My community respects me the way that I am.
- Would you say that statement is: true, mostly true, mostly false, or false

# CPI Enfranchisement Items

---

---

- I feel valued as a member of society.
- Would you say that statement is: true, mostly true, mostly false, or false

# CPI Enfranchisement Items

---

---

- I am treated equally.
- Would you say that statement is: true, mostly true, mostly false, or false



# CPI Enfranchisement Items

---

---

- I count as a person in society.
- Would you say that statement is: true, mostly true, mostly false, or false

# CPI Enfranchisement Items

---

---

- I take responsibility for my own life.
- Would you say that statement is: true, mostly true, mostly false, or false

# Take Home Summary

---

---

- Participation is an important outcome that is relevant to your programs
- Participation is conceptually quite different from activity
- Participation can be measured both objectively and subjectively
- Consider measuring participation

# Thank you

---

---

- For further information:

Contact: [gale@craig-hospital.org](mailto:gale@craig-hospital.org)

Read: Whiteneck and Dijkers,  
“Difficult to measure constructs:  
conceptual and methodological  
issues concerning participation  
and environmental factors”

*Archives of PM&R, 2009, S22-35*