

Health-Related Quality of Life - 2006

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**Introduction to the Principles and Practice of
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Health Assessment Issues

- **Conceptual issues**
- **Standardizing metrics across applications**
- **Computerized dynamic health assessment**
- **Matching assessment methods to applications**

Quality of Life

Community	Marriage
Education	Nation
Family Life	Neighborhood
Friendships	Self
Health	Standard of Living
Housing	Work

Source: Campbell, 1981

What is Your Health?

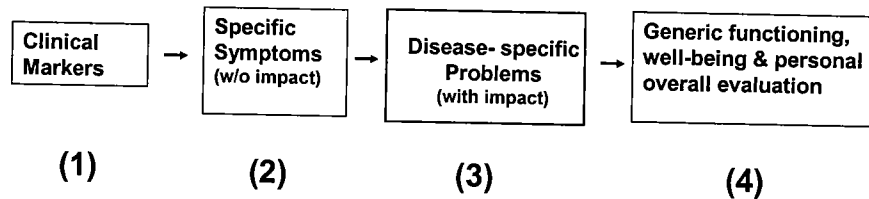
- Bodily structure & function
- What you are able to do – functioning
- How you feel – distress & well-being
- What you say it is – personal evaluation

Sources: Understanding Health Outcomes Educational Series

Background

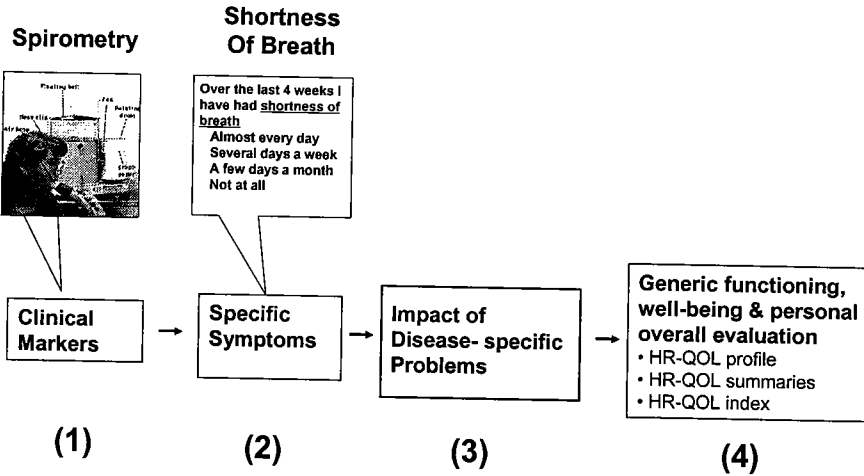
- Patient-reported outcomes (PROs) are very useful
- Standardization of concepts & metrics is enabling comparisons & interpretation
- Widespread use proves that more practical short forms will be adopted
- Traditional “static” short forms rarely meet clinical standards of precision
- Advances in assessment methods, item response theory (IRT) & computerized adaptive testing (CAT), may provide a solution

Continuum of Disease-Specific and Generic Health Measures



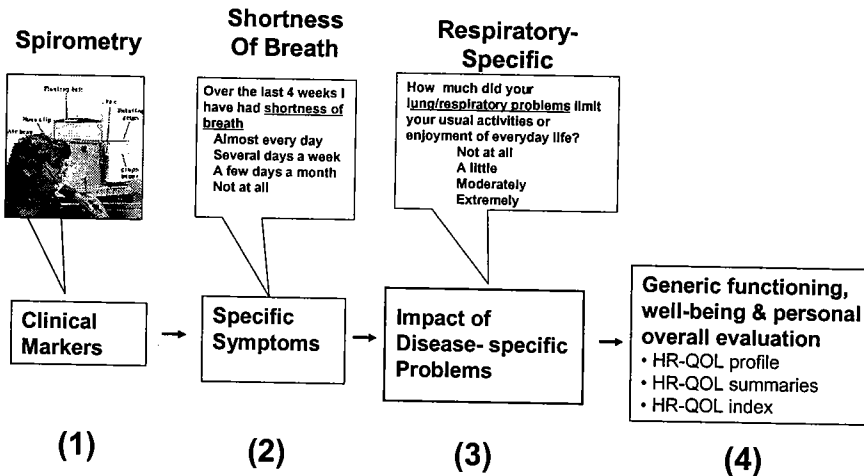
Adapted from: Wilson and Cleary, *JAMA*, 1995
Ware, *Annual Rev. Pub. Health*, 1995

Continuum of Disease-Specific and Generic Measures



References: Money et al., *J. Vasc Surg* 1998, 27(2):267-74
 Hiatt WR, *New Eng J Med*, 2001, 344(21), 160801621
 Regensteiner et al, *J Amer Geriat Soc*, 2002, 50, 1939-1946

Continuum of Disease-Specific and Generic Measures



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Which is Most Valid for Purposes of Measuring HR-QOL?

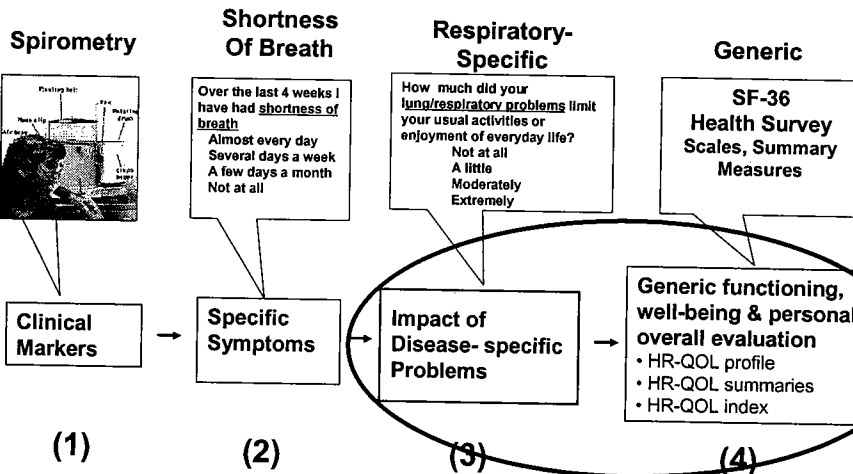
Over the last 4 weeks I have had shortness of breath
 Almost every day
 Several days a week
 A few days a month
 Only with lung/respiratory infections
 Not at all

(1) Frequency of breathlessness

In the past 4 weeks, how much did your lung/respiratory problems limit your usual activities or enjoyment of everyday life?
 Not at all
 A little
 Moderately
 Quite a lot
 Extremely

(2) Limitations in activities and enjoyment

Continuum of Disease-Specific and Generic Measures



Health-related QOL

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