Measuring Patient Centred Health Outcomes

Health-related Quality of Life, Functional Status, and Patient Satisfaction

Two Day workshop

Monday 25 February (9.00am – 4.30pm)
Tuesday 26 February (9.00am – 4.00pm)

Seminar Room (3 & 4) Clifton Street Building,
University of Western Australia, Nedlands campus

The aim of this workshop is to provide the skills necessary to select and evaluate measures of patient-centred outcomes

Workshop Leader

A/Prof. Rod O'Connor PhD

Director Rod O'Connor and Associates P/L,
Consultants in Health Care Measurement and Planning
Also Conjoint Associate Professor, School of Public Health
and Community Medicine, University of NSW

Author of ‘Measuring Quality of Life in Health’,
Elsevier/Churchill Livingstone 2004
Measuring Patient-Centred Outcomes

Assessing patient-centred or patient-reported outcomes, also known as patient-based evidence, is concerned with the effects of disease and healthcare interventions as experienced and reported by patients. Measures such as Quality of Life, Functional Status, and Patient Satisfaction, aim to comprehensively assess an individual’s health state or health-related experience from the patients perspective. Evaluating and improving the quality of healthcare now requires such measures.

What does the workshop consist of?

The workshop introduces the skills needed for patient-centred health outcomes measurement, where health state as perceived by the patient is assessed (in addition to physiological or clinician-based measures, ie. the Harvard School of Public Health sense of the term).

The workshop aims to equip participants with the ability to evaluate and select tests for use in their own workplace.

The workshop will discuss the role and application of outcome measures, and their origins in clinical medicine, health economics, and psychometrics. Questions that confront practitioners in the area will be considered, such as when to decide to use a generic versus a disease-specific measure and how to determine whether a candidate measuring tool is suitable.

The workshop will consider methods for developing and assessing patient-centred health measurement instruments. It will introduce participants to a set of criteria for assessing the adequacy of instruments (including validity, reliability, and scaling). The workshop will also address when and how to develop a new measure.

Participants will be introduced to methods relating to the measurement of patient-centred health outcomes (health-related quality of life, functional status and patient satisfaction), including:

- Describing patient-centred health outcomes
- Identifying (diagnosing) areas of major concern to patients
- Quantifying these outcomes

The workshop will be most useful to those who are currently dealing with outcome measurement issues.

Who should attend?

This workshop is one of the few courses in applying, developing and researching measures of patient-centred health outcome. It is relevant to the activities of evaluators, quality managers, practicing clinical researchers, and administrators – in fact anyone who wishes to increase their understanding of contemporary patient-centred health outcomes measurement so as to improve health outcomes from the patients’ perspective.

Those who might benefit from the course include:

- Researchers wishing to investigate the effectiveness of treatments and programs
- Health Care Managers considering the use of patient-centred measures in improving health service performance
- Quality Managers, Pharmaceutical companies and Health Insurance Funds concerned with assessing or monitoring health care outcomes such as quality of life and functional status.
Workshop Objectives

The workshop has a very applied orientation. At the end participants should be able to:

♦ Explain the aim of health outcomes measurement, and how it relates to traditional healthcare measurement
♦ Explain the importance of measures of Quality of Life, functional health status, and patient satisfaction, and their origins.
♦ Specify the aim of a health measurement instrument in operational terms, & know why this is important
♦ Identify the relative advantage of measures based on Classical Test Theory, Rasch Analysis/Item Response Theory, and Single Items, in measuring patient-centred outcomes
♦ Explain what is meant by test validity, the different forms (content, criterion, construct etc) and how to develop and assess validity
♦ Explain the role of test reliability and associated techniques (eg Cronbach’s alpha)
♦ Describe the most common ways of forming response measures in questionnaires (Likert scales, Guttman scales, Visual Analogue scales, etc)
♦ Describe the origins and nature of some common instruments
♦ Recognise the key role that patients play as active agents in evaluating their own quality of life
♦ Critically assess an unfamiliar instrument
♦ Plan the development of a new measure for assessing patient-centred outcomes for a treatment program or population

Teaching/Learning Methods and Associated Advice

The workshop will be a combination of lectures, discussions and group work. All materials required will be provided. While not a prerequisite, previous exposure to statistics and research methods is desirable.

A selection of readings will be distributed before the workshop. Participants may also read the paper “Issues in the measurement of health-related quality of life”, which may be downloaded from: http://www.rodoconnorassoc.com/issues_in_the_measurement_of_qua.htm

Workshop Leader

A/Prof Rod O’Connor is a consultant in health care research and development (since the mid 1980s), and Conjoint Associate Professor at the School of Public Health and Community Medicine, University of New South Wales.

Rod has a PhD in experimental cognitive psychology/ artificial intelligence and further training in health economics (Monash), health outcomes measurement (Harvard School of Public Health), and modern psychometrics (University of Illinois at Chicago). He has worked on the development of decision tools to assist allocate the $4 billion per year Commonwealth Disability Support Pension (the ‘Work Ability Tables’), Aboriginal health infrastructure funding (the ‘Environmental Health effects Scale’), medication compliance (the ‘Asthma Medication Adherence Questionnaire’), home-carer burden, dysphagia, osteoporosis, and adolescent cancer.

Rod has been a World Health Organisation (WHO) Consultant in Outcomes Research (2001) and Situational Analysis for policy (2002); an invited rapporteur on Quality of Life Measurement for the UK Economic & Social Research Council, UK’s leading research funding and training agency (2003); and invited referee for the U.K. National Co-ordinating Centre for Research Capacity Development (2004). Currently he is the World Bank/ HLSP technical adviser on healthcare quality assessment and improvement for China’s rural health care services H8 Project (2006-2007).

His book ‘Measuring Quality of Life in Health’ was published by Elsevier/ Churchill Livingstone U.K. in 2004, and he is currently preparing a book on health care decision making.
A Context, role and nature of patient-centred health outcome measures
   • Patient-based Evidence and Evidence-Based Medicine
   • Outcomes Research - Evaluating the Quality of Health Care
   • Factors encouraging the use of Quality of Life Measures in Health

B First Actions when selecting, assessing, or developing a test
   • Specify the Purpose to which the Test will be put and the Concept to be Used
   • Identify criteria the test needs to meet

C Single Item measures for scaling Health States
   • Uses of patient global self ratings
   • Issues when using single item scales
   • Responsiveness of global self-ratings
   • Global ratings as Criterion Measures in Test Development

D Classical Approaches to Test Development
   • The Sum Scale Approach of Classical Test Theory (CTT)
   • The Role of ‘Reliability’ in Classical Test Theory
   • Limitations of Classical Test Theory

E Validity: assessing whether a scale measures what the user intends
   • The nature of validity
   • Forms of validity evidence
   • Correlation and Regression

F Steps in developing a Classical Test
   • Determine the content of the test
   • Determine the wording of each item
   • Conduct quantitative item Analysis
   • Develop method for combining sub-test scores

G Evaluating an Instrument
   • Examine instruments carefully
   • Shorthand Assessment
   • A template for evaluating a test

H The development of a sample of instruments
   • Including SF36, WHOQOL, EORTC, EuroQol.

I Further Topics
   • Adaptation - diverse psychological mechanisms mediate HQoL
   • Cross-cultural application issues
   • Modern test Theory

For more information on Workshop Content, phone Rod O'Connor on (02) 9555 9916, or email rod@RodOConnorAssoc.com.
REGISTRATION FORM

Fax to: +61-2-8088 6452

☐ $950 (inc. GST) includes Morning & Afternoon Tea and Lunch

<table>
<thead>
<tr>
<th>Title</th>
<th>First Name</th>
<th>Surname</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Position

Organisation

Address

Town/Suburb | State | Postcode
------------|-------|--------

Telephone | Fax
---------|-------

Email* *(required for registration confirmation to be sent)*

Special Dietary Requirements

PAYMENT

☐ Cheque (must accompany registration and be made payable to ‘Patient Centred Outcomes 25&26 Feb 08’)

☐ Visa ☐ Mastercard

Card Number: __________________/__________________/__________________/________________________

Total Amount: $_________________ Expiry Date: _________/__________

Cardholder’s Name: _____________________________ Cardholder’s Signature: ________

Payment Policy
It is a condition of registration that full payment is received prior to the commencement of the event.

Cancellation and Refund Policy
If after registering for the event, you find yourself unable to come, we will refund your registration fee in full up until Monday 11 February 2008. Any cancellations made after this date and up until Monday 18 February 2008 will be refunded, less an administrative fee of $185. After Monday 18 February 2008, we regret that NO REFUNDS can be given. You can at any time, however, substitute a replacement delegate at no charge or transfer your fee to a future Rod O’Connor workshop.

Insurance
We strongly recommend that you take out an insurance policy if you have made flight or hotel reservations in order to attend this event. If, due to circumstances beyond our control, the event is cancelled, we cannot be held responsible for any loss of money due to cancelled flight or hotel bookings.

Privacy Policy
The collection of this information is primarily so that we can register you for this event. The information (excluding payment details) will be stored in the ROA database and may be used for future marketing of ROA events. If you do not wish your details to be retained by ROA we ask that you notify us in writing to workshops@rodoconnorassoc.com.

Please forward your completed registration form with payment to:

Postal Address: Questionnaire Workshop, Rod O’Connor & Associates P/L, Box 18, 133 Rowntree St. Birchgrove Sydney NSW 2041, Australia

Fax: +61-2 8088 6452

For any queries, please contact:

ROA ph. +61-2-9555 9916
Email: rod@rodoconnorassoc.com