

Advance Registration Form

Name _____ Highest Degree _____

Title _____

Organization/University _____

Address _____

City _____ State _____ Zip Code _____ Country _____

Phone _____ Fax _____ Email _____

Please circle those that apply:

Which track do you plan to attend? Track I OR Track II

If attending one day, which day? Monday OR Tuesday

**Best savings*

Please check one payment that applies:

Received By December 10: One day course \$ 595.00 Two day course \$ 995.00 *

Received After December 10: \$ 615.00 \$ 1,015.00

Each meeting registration includes continental breakfast, lunch, and breaks each day; along with a one-hour cocktail reception on Monday evening!

Reduced Fees for ISOQOL Members!

ISOQOL members may subtract \$50 off their registration fee for the two day course, and \$20 for the one day course. If you are not a current ISOQOL member, join now to take advantage of this special offer. Membership categories/fees are as follows:

YES! I want to join ISOQOL. Enclosed is payment in the amount of \$_____ for membership.

Regular member = \$75.00; Contributing member = \$200.00; Student/Retired = \$30.00

PAYMENT:

Please check the desired payment method (make checks payable to ISOQOL in US dollars):

Check Money Order Credit Card

Total payment in US dollars _____

Visa/MC/AMEX Number _____ Exp. _____

Signature _____

Please return form and payment to: ISOQOL, 6728 Old McLean Village Drive, McLean, VA 22101 OR you may FAX to 703-556-8729 if paying by credit card. Please do NOT fax and mail to avoid duplicates. You will receive confirmation in writing via email.

** This form may be reproduced. Share it with a colleague!*

International Society for Quality of Life Research
6728 Old McLean Village Drive, McLean, VA 22101-3906
(703) 556-9222 * Fax (703) 556-8729
info@ISOQOL.org * www.ISOQOL.org



**International Society for
Quality of Life Research**

ISOQOL

Methods Workshops

Offering Two Tracks

January 10-11, 2000

**Ritz-Carlton Hotel
Tysons Corner, VA**

Preliminary Program and Registration Form

WHO SHOULD ATTEND?

- social and medical scientists
- government, industry and academic health care researchers
- managed care administrators
- health care consultants
- third-party payers
- policymakers
- statisticians

ISOQOL introduces workshop series...

You are invited to attend the first ISOQOL-sponsored series of seminars in state-of-the-art research methods. These intermediate and advanced workshops are intended to provide a hands-on training experience for those persons interested in developing HRQL instruments, evaluating their measurement characteristics, and designing studies and analyzing data from their use within longitudinal studies.

The purpose of the workshops is to help those in the research community, private industry, managed care companies, third-party payers, policymakers, and statisticians better understand HRQL measurement and interpretation of self-report data.

The seminars are divided into two tracks. Track I includes workshops that focus on analysis of HRQL data. The following topics are addressed in this track: analysis of longitudinal studies with missing HRQL data; methods for multidimensional and repeated measures; and imputation of non-randomly missing HRQL data within longitudinal studies. Track II includes workshops that address HRQL instrument development and psychometric evaluation; conducting cognitive interviews and focus groups; testing reliability, validity and responsiveness of multiple-item rating scales; and identifying (clinically) meaningful change and important differences in HRQL assessments between groups.

The workshops will be held on 10-11 January 2000 at the Ritz-Carlton Hotel in Tysons Corner, Virginia. Each workshop will be limited to 50 participants to allow for maximum interaction between faculty and participants.

Rick Berzon, DrPH
Chair, ISOQOL Education Committee

Workshops objectives:

These intermediate and advanced hands-on workshops are designed to help participants:

- ~ Understand the science of measuring constructs and attributes in people
- ~ Develop and test HRQL instruments
- ~ Use HRQL instruments in clinical trials and clinical practice
- ~ Conduct cognitive interviews and focus groups
- ~ Analyze and interpret self-report data from longitudinal studies
- ~ Handle repeated observations subject to missing data
- ~ Impute HRQL data in longitudinal studies
- ~ Answer the question, "How much of a change in a HRQL instrument is meaningful?"

Workshops and Faculty

Track I ~ January 10-11, 2000

Three hands-on workshops are offered during this two-day block. Each workshop on Monday will last for three hours; and Tuesday's workshop will be six hours. Participants may register for and attend only one day if desired. This track begins at 9:00 a.m. on Monday, January 10 and ends at 5:00 p.m. on Tuesday, January 11. Registration fees include two continental breakfasts, two lunches and one reception. Refer to the registration form for more details.

An overview of Track I: These advanced methods workshops provide 'hands-on' experience with some of the major analytic issues in QOL research: missing data in longitudinal studies and multiple endpoints. The workshops are designed for researchers that are responsible for either the design or analysis of QOL data in the context of clinical trials and have some experience with the analysis of longitudinal data. Participants will examine the use of both traditional and innovative methods for the analysis of longitudinal studies with missing data in workshops 1 and 3/4. In workshop 2, participants will examine strategies for handling the multiplicity of endpoints resulting from repeated measurement of QOL with instruments that have multiple scales.

Workshop 1 (Monday, 9am-12noon) **Analysis of longitudinal studies** **with missing QOL data**

Diane L. Fairclough, DrPH, AMC Cancer Research Center, Denver, CO
Jeff Sloan, PhD, Mayo Clinic, Rochester, MN

In this workshop, we will examine the most widely used methods of analysis of longitudinal data analysis and how they are effected by different types of missing data. The objective will be to go beyond learning the definitions of Missing Completely at Random (MCAR), Missing at Random (MAR) and non-ignorable or Not Missing at Random (NMAR) and to understand how different types of missing data influence the results obtained from these analytic techniques. Methods to be examined include repeated t-test, change from baseline, baseline as a covariate, mixed effects and repeated measures models for incomplete data. We will also discuss how joint estimation of QOL measures and other clinical outcomes may be used to convert a NMAR problem to MAR. Participants should have some experience with the analysis of multivariate analysis: longitudinal data, repeated measures or MANOVA.

Workshop 2 (Monday, 2pm-5pm)

Summary measures and other methods for multidimensional and repeated QOL measures

*Diane L. Fairclough, DrPH, AMC Cancer Research Center, Denver, CO
Jeff Sloan, PhD, Mayo Clinic, Rochester, MN*

QOL is a multidimensional concept and its assessment generally produces multiple scales. Analyses are further complicated by the longitudinal nature of many QOL studies. If the analysis strategy results in a large number of statistical comparisons, the results are difficult to interpret. Type I errors and the power to detect differences are affected by the use of multiple comparison adjustments. In this workshop we will discuss the construction of summary measures and other techniques to address these issues. Participants should have some experience with the analysis of multivariate analysis: longitudinal data, repeated measures or MANOVA.

Workshop 3/4 (Tuesday, 9am-5pm)

Imputation for non-randomly missing QOL data in longitudinal studies

*Diane L. Fairclough, DrPH, AMC Cancer Research Center, Denver, CO
Jeff Sloan, PhD, Mayo Clinic, Rochester, MN*

This course will examine methods of imputation for missing QOL data in longitudinal studies. Simple imputation methods will be briefly discussed but the focus will be on multiple imputation methods such as Approximate Bayesian Bootstrap (ABB), explicit models, 'closest predictor' and delta-adjustment. We will discuss the strengths and weaknesses of these methods in longitudinal studies with non-ignorable (NMAR) missing data. The 6 hours will include hands-on experience with each of these techniques (participants are encouraged to bring a hand calculator). Participants should have some experience with the theory and analysis of multivariate analysis: longitudinal data, repeated measures or MANOVA.

Workshops and Faculty

Track II ~ January 10-11, 2000

Four hands-on workshops are offered during this two-day block. Each workshop on Monday will last for three hours; and Tuesday's two workshops will also each last for three hours. Participants may register for and attend only one day if desired. This track begins at 9:00 a.m. on Monday, January 10 and ends at 5:00 p.m. on Tuesday, January 11. Registration fees include two continental breakfasts, two lunches and one reception. Refer to the registration form for more details.

An overview of Track II: "Topics in Quality of Life Instrument Development and Validation" These methods workshops provide "hands-on" training experience in advanced methods for conceptualization, development, and validation of self-report-based quality of life data. Participants will learn the principles and techniques of advanced psychometric validation methods. The 2-day workshops are designed for quality of life researchers with a basic understanding of psychometric methods who seek advanced training in the purpose and application of state of the art techniques for QOL instrument validation. Topics include development of measurement models, cognitive interviewing, structural equation modeling with latent variables, the role of IRT, and advances in measuring meaningfulness of change or between-group differences in QOL assessments.

Workshop 1 (Monday, 9am-12noon)

A primer on health-related quality of life instrument development and psychometric evaluation

*Ron Hays, PhD, UCLA/RAND, Los Angeles, CA
David Cella, PhD, Evanston Northwestern Healthcare Center on Outcomes, Research and Education*

This session will review basic issues in instrument development and psychometric evaluation of health-related quality of life (HRQOL) measures. The presentation will include a brief overview of item content generation, writing, and selection. Participants will be exposed to general issues underlying the reliability and validity of HRQOL measures. Both classical and item response theory methods will be discussed.

Workshop 2 (Monday, 2pm-5pm)
**Contribution of cognitive science to the
conceptualization and refinement of
self-report QOL instruments**

Ivan Barofsky, PhD, The Johns Hopkins University, Baltimore, MD
Jane Scott-Lennox, PhD, Piedmont Research Institute, Chapel Hill, NC

This session will explore the role of cognitive science in the development and refinement of self-report QOL assessments. The presentation will build on current developments in the cognitive sciences as applied to QOL assessments. It will focus on how cognitive interviews, focus groups, and expert panels can be used to generate relevant, sensitive QOL assessments, and how to use cognitive research methods to evaluate the adequacy of existing instruments or develop new instruments. Participants will have an opportunity to observe and practice cognitive interviewing techniques during the workshop.

Workshop 3 (Tuesday, 9am-12noon)
**Advanced psychometrics: evaluating the structure
& sensitivity of self-report QOL assessments**

Richard Lennox, PhD, Piedmont Research Inc, Chapel Hill, NC
Dennis Revicki, PhD, Medtap International, Bethesda, MD

This workshop presents advanced psychometric techniques for confirming measurement models of multidimensional QOL assessments and for testing reliability and validity of multiple-item rating scales. A brief introduction to applied psychometrics will explore the limitations of common reliability tests, including internal consistency, inter-rater, and test-retest reliability. The majority of the workshop will be focused on advanced methods for instrument validation, including structural equations with latent variables and models based on item-response theory for the development and refinement of survey-based QOL data. Examples from published instruments will be used to elucidate the value of these models.

Workshop 4 (Tuesday, 2pm-5pm)
**Identifying Meaningful Change or Important
Differences in QOL Assessments**

Albert W. Wu, MD, MPH, Johns Hopkins University, Baltimore, MD
William R. Lenderking, PhD, Abt Associates, Inc., Cambridge, MA

The increasing use of QOL assessments in clinical research studies to document benefits of treatment alternatives has caused researchers to focus on the question: "How much of a change or difference between two or more groups is meaningful?" This workshop session will review this critical topic, using case studies in HIV and AIDS to demonstrate how meaningful change and differences have been operationalized and evaluated. Presenters will provide guidelines for determining and testing whether differences are significant. Included in the session will be a discussion of the responsiveness of QOL instruments, including the role of study design and statistical power.

How to Register

Send completed registration form with payment to ISOQOL, 6728 Old McLean Village Drive, McLean, VA 22101-3906, or for credit card payments only, fax form with credit card information to 703-556-8729. Payment may be made by check, money order, or credit card. **Registration must include payment or an original purchase order.**

About the Hotel and How to Get There

The Ritz-Carlton, Tysons Corner, VA is adjacent to The Galleria at Tysons II which provides a great convenience for shopping. The hotel is about 20 minutes away from the monuments and museums of Washington, D.C. and is 14 miles from National Airport and 12 miles from Dulles International Airport.

The special meeting room rates are \$129s/d. Reservations should be made by calling the hotel directly at 703-506-4300 or 1-800-241-3333. Be sure to tell them you are with the ISOQOL meeting. **All reservations should be received by the hotel no later than December 10, 1999.**

As a means of transportation to and from the hotel you may take a taxi for ~\$25.00 each way, or SuperShuttle for ~\$15.00 each way. If interested in taking the shuttle, collect your baggage and proceed to the Washington Flyer/SuperShuttle counter upon your arrival at the airport. Reservations are only necessary for transportation from the hotel to the airport upon your departure. Their phone number is 1-800-258-3826.

Making Airline Reservations

On behalf of the International Society for Quality of Life Research (ISOQOL), Diplomat Travel has negotiated discounts on airfares with various carriers. To make your airline reservations contact Tracy at Diplomat Travel at 1-800-289-5770 or directly at 202-289-7007; or via email at Tracy@Diplomattravel.com

To take advantage of the 5-10% discount on selected airline carriers, be sure to tell them you are with ISOQOL. (The Ritz-Carlton Hotel is located 14 miles from Ronald Reagan National Airport and 12 miles from Dulles International Airport.)

Cancellation Policy

All cancellations and refund requests must be received in writing. There will be a \$50 administrative fee assessed to each cancellation received by December 13. Cancellations received between December 14 and January 9 will be assessed a \$100 fee. 50% of the registration fee will be returned for cancellations received after the meeting dates.

Networking Cocktail Reception

Each meeting registration includes the opportunity to network during a complimentary one-hour cocktail reception on Monday evening!

For Additional Information

For more information please contact the ISOQOL Executive Office at 703-556-9222; FAX: 703-556-8729 or via Email: info@isoqol.org