

CURRICULUM VITAE

BIOGRAPHICAL

NAME: Jeffrey M. Rohay

EDUCATION AND TRAINING

UNDERGRADUATE:

University of Pittsburgh Pittsburgh, Pennsylvania	B.S. Minor	Psychology Chemistry	1984
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GRADUATE:

University of Pittsburgh Pittsburgh, Pennsylvania	M.S.I.S.	Information Science	1988
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University of Pittsburgh Pittsburgh, Pennsylvania	M.S.	Biostatistics	1993
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University of Pittsburgh Pittsburgh, Pennsylvania	Ph.D.	Biostatistics	2009
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Dissertation: Statistical Assessment of Medication Adherence Data: A Technique to Analyze the J-Shaped Curve
Advisor: Gary M. Marsh, Ph.D., F.A.C.E., Professor, Director, Center for Occupational Biostatistics and Epidemiology, Graduate School of Public Health, University of Pittsburgh

SUMMARY OF QUALIFICATIONS

I am a Ph.D. level statistician with vast experience in SAS programming. I have served as the lead statistician on many projects. I have worked with many sources of data including clinical trial data, survey data, large National datasets, and complex data such as diary and electronically monitored medication usage/adherence data. I have helped develop clinical trial protocols and have created statistical analysis plans. I have conducted sample size calculations using nQuery and PASS. I also have vast experience in Data Management and developed databases for a variety research projects. Additionally, I have supervised an office staff of 5-7 people including a statistician, data manager, scientist, junior associates, and administrative assistant.

APPOINTMENTS AND POSITIONS

1/17-Present

Consultant/Senior Scientific Advisor, IQVIA

Primary research duties including:

- Data management and analysis of ePRO datasets from several research projects

1/16-Present

President/Consultant, JMR Data Services, LLC

Primary research duties including:

- Provide public health consultation to pharmaceutical/public health research clients including:
 - Chattem, Inc.
 - Qsource/The Renal Network
 - Pinney Associates. Inc.
- Analysis of large National datasets including the National Health and Nutrition Examination Survey (NHANES), the National Survey of Family Growth (NSFG), the National Youth Tobacco Survey (NYTS), the National Health Interview Survey (NHIS), and National Ambulatory Medical Care Survey (NAMCS)
- Creating and manipulating SAS datasets for analysis using *DATA steps* and PROC IMPORT, aggregating repeated measures data (e.g., diary data) using PROC MEANS and PROC FREQ
- Converting data from several formats, including MS Access Databases, Excel, ASCII text, and SPSS to SAS datasets
- Analysis of data from several sources using many SAS procedures, including PROC GLM, PROC TTEST, PROC LOGISTIC, PROC GENMOD, SAS SQL and SAS macros
- The development of manuscripts for publication in scientific journals, presentations, and poster sessions at national and international conferences, and reports for clients and internal use in the areas of smoking cessation, obesity research and risk management

3/16-Present

Associate Professor
School of Nursing
428B Victoria Building
University of Pittsburgh
Pittsburgh, Pennsylvania

Primary clinical research and administrative duties including:

- Instructor – Introduction to Basic Statistics for Evidence Based Practice
- Instructor – Research Instrumentation
- Instructor – Database Management
- Instructor – Methods in Technology Evaluation & Usability

- Instructor – Nursing Informatics
- The development of manuscripts for publication in scientific journals, presentations, and poster sessions at national and international conferences, and reports for clients and internal use in the areas of medication adherence

9/12-2/16

Assistant Professor
School of Nursing
365B Victoria Building
University of Pittsburgh
Pittsburgh, Pennsylvania

Primary clinical research and administrative duties including:

- Instructor – Introduction to Basic Statistics for Evidence Based Practice
- Instructor – Research Instrumentation
- Instructor – Database Management
- Instructor – Methods in Technology Evaluation & Usability
- The development of manuscripts for publication in scientific journals, presentations, and poster sessions at national and international conferences, and reports for clients and internal use in the areas of medication adherence

7/13-12/15

Director – Information Systems and Statistical Analysis
Network Strategies and Innovations, Inc.
911 E. 86th Street
Suite 202
Indianapolis, IN 46240

Primary clinical research and administrative duties including:

- Creating and manipulating SAS datasets for analysis using *DATA steps* and PROC IMPORT, aggregating repeated measures data (e.g., diary data) using PROC MEANS and PROC FREQ
- Converting data from several formats, including MS Access Databases, Excel, ASCII text, and SPSS to SAS datasets
- Analysis of data from several sources using many SAS procedures, including PROC GLM, PROC TTEST, PROC LOGISTIC, PROC GENMOD, SAS SQL and SAS macros
- The development of manuscripts for publication in scientific journals, presentations, and poster sessions at national and international conferences, and reports for clients and internal use in the areas of End Stage Renal Disease (ESRD) and the Beneficiary Focused Learning Network (BFLN)
- Development of statistical analysis plans detailing methods necessary for analyzing and reporting data

9/12-7/13

Director – Information Systems and Statistical Analysis
The Renal Network
911 E. 86th Street
Suite 202
Indianapolis, IN 46240

Primary clinical research and administrative duties including:

- Creating and manipulating SAS datasets for analysis using *DATA steps* and PROC IMPORT, aggregating repeated measures data (e.g., diary data) using PROC MEANS and PROC FREQ
- Converting data from several formats, including MS Access Databases, Excel, ASCII text, and SPSS to SAS datasets
- Analysis of data from several sources using many SAS procedures, including PROC GLM, PROC TTEST, PROC LOGISTIC, PROC GENMOD, SAS SQL and SAS macros
- The development of manuscripts for publication in scientific journals, presentations, and poster sessions at national and international conferences, and reports for clients and internal use in the areas of End Stage Renal Disease (ESRD) and the Beneficiary Focused Learning Network (BFLN)
- Development of statistical analysis plans detailing methods necessary for analyzing and reporting data

4/10-8/12

Adjunct Faculty
School of Nursing
University of Pittsburgh
Pittsburgh, Pennsylvania

9/97-8/12

Director of Data Management and Statistical Analysis, Office Director
Pinney Associates
Pittsburgh, Pennsylvania

Primary clinical research and administrative duties including:

- Creating and manipulating SAS datasets for analysis using *DATA steps* and PROC IMPORT, aggregating repeated measures data (e.g., diary data) using PROC MEANS and PROC FREQ
- Converting data from several formats, including MS Access Databases, Excel, ASCII text, and SPSS to SAS datasets
- Analysis of data from several sources using many SAS procedures, including PROC GLM, PROC TTEST, PROC LOGISTIC, PROC GENMOD, SAS SQL and SAS macros
- The development of manuscripts for publication in scientific journals, presentations, and poster sessions at national and international conferences, and reports for clients and internal use in the areas of smoking cessation, obesity research and risk management
- Provide public health consultation to pharmaceutical clients in many areas including smoking cessation, obesity, and risk

management

- Serving as lead statistician on several ongoing research projects and management of all statistical projects
- Development of research study protocols, including sample size calculations using nQuery and PASS, randomization schemes, statistical methods and endpoint selection
- Development of statistical analysis plans detailing methods necessary for analyzing and reporting data
- Development of datasets for analysis from many sources including clinical trials, marketing/research surveys, and federal datasets
- Analysis of datasets and reporting of results for reports included in FDA submission for NDAs
- Supervising office staff of 5-7 people including a statistician, data manager, scientist, junior associates, and administrative assistant
- Analysis of large National datasets including National Health Interview Survey (NHIS), National Health and Nutrition Examination Survey (NHANES), and National Ambulatory Medical Care Survey (NAMCS)
- Development and maintenance of Standard Operating Procedures for the management and statistical analysis of all research data including those for protocol development and statistical analysis plan development

Accomplishments

- Extensive experience using SAS V9.2 to perform data management, including aggregation of diary data, and to program statistical analyses
- Extensive experience using several database packages including Microsoft Access and Paradox
- Developed Good Clinical Practice procedures used by Pinney Associates in clinical trials research data management to ensure data are of the highest possible quality
- Developed Standard Operating Procedures to ensure validity and documentation of procedures for use in clinical trials research and design
- Created custom data entry program designed to follow Good Clinical Practice procedures for data entry and management which included the following features:
 - range checking
 - skip and fill techniques
 - field entry requirements
 - key field violation detection
 - double entry verification
 - data editing (cleaning) capabilities
- Reviewer for the journal *Nursing Research* with main area of expertise in database management and statistical analysis

5/98-8/12

Statistical/Data Management Consultant
End Stage Renal Disease Network 4
Pittsburgh, PA

Primary clinical research and administrative duties including:

- Convert data from Network database (Microsoft Access) for several projects related to patient care and quality improvement
- Conduct statistical analysis of datasets using SAS v9.2 and produce reports for internal use and presentation at Network meetings
- Analysis of data for the development of manuscripts for publication in scientific journals and presentations and poster sessions at national conferences

8/10-12/10

Instructor, SAS for Data Management and Analysis
Graduate School of Public Health
University of Pittsburgh
Pittsburgh, Pennsylvania

Co-instructor of *SAS for Data Management and Analysis* with main emphasis on SAS as data management tool using *DATA steps*, PROC MEANS, PROC FREQ, PROC FORMAT, and SAS macro programming

8/92-9/97

Research Associate/Statistician
University of Pittsburgh
School of Nursing
Pittsburgh, Pennsylvania

Primary clinical research and administrative duties included:

- Developed complex algorithms using SAS and Paradox to measure medication adherence from data collected using electronic pill bottle monitors
- Development of database management system for the School of Nursing's Center for Research in Chronic Disorders CORE grant consisting of:
 - Three NIH funded research projects
 - Five pilot projects
 - Database management responsibilities included:
 - Management of over 60 datasets
 - Supervision of CRF design and development
 - Standardization of database table design
 - Development of data editing (cleaning) techniques
 - Database management system was presented to the Ninth Eastern Nursing Research Society Conference, Philadelphia, PA, April 1997
- Providing database management and statistical analysis support

to several Federally funded investigators in the School of Nursing research project

- Providing database management and statistical analysis support to several non-funded investigators in the School of Nursing
- Providing database management and statistical analysis consultation to doctoral level students preparing their dissertations
- Conducting doctoral level independent study on data management in research projects
- Performing lectures on database management to doctoral, masters and undergraduate students
- Serving as primary statistician/co-investigator on several Federal grant applications
- Providing database management support for non-research projects in the School of Nursing, including a specialized database application for the Student Affairs Office, School-wide hardware and software inventories, faculty workload database and Alumni survey questionnaires
- Serving as member of Computer Resources Committee

9/89-8/92

Research Specialist V
University of Pittsburgh
Graduate School of Public Health
Pittsburgh, Pennsylvania

Study of Osteoporotic Fractures
Lewis Kuller, Principal Investigator

Primary clinical research and administrative duties included:

- Creation of data management files for all subjects in the Study of Osteoporotic Fractures and the Healthy Women Project using various database software including S1032 (VAX/VMS)
- Statistical analysis using various software programs including SPSSx, BMDP, and SAS for both the mainframe and microcomputer
- Tutoring graduate students in database manipulation and statistical analysis

7/89-9/90

Consultant Healthsource Women's Smoking Program
University of Pittsburgh
Western Psychiatric Institute and Clinic

10/87-8/89

Sr. Research Associate, Anxiety Disorders Clinic
University of Pittsburgh
Western Psychiatric Institute and Clinic
Pittsburgh, Pennsylvania

NIMH Grant #MH418522 - Treatment of Social Phobia
Samuel M. Turner, Principal Investigator

Primary clinical research and administrative duties included:

- Creation of data management files for all subjects in both the clinic and Social Phobia project using various database software including S1032 (VAX/VMS) and DBASEIII+
- Statistical analysis using various software programs including SPSSx, BMDP, and SAS for both the mainframe and microcomputer
- Tracking subject progress throughout course of project
- Creation of microcomputer scoring programs for Anxiety Disorders test battery using BASIC and APL
- Performing physiological and cognitive assessments

10/85-10/87

Research Associate, Neuropsychological Assessment and Rehabilitation Services

University of Pittsburgh
Western Psychiatric Institute and Clinic
Pittsburgh, Pennsylvania

NIHR Grant #G008535167 - Memory Training
Gerald Goldstein, Principal Investigator
USDE Grant #G00835190 - Memory training
Michael McCue, Principal Investigator

Primary clinical research and administrative duties included:

- Computer programming of memory training software
- Scoring psychological tests (e.g., MMPI, LNNB)
- Management of data files
- Patient documentation and quality assurance surveys
- Data analysis
- Computer programming of scoring programs for N.A.R.S. clinic assessment battery.

10/84-10/87

Research Assistant, Anxiety Disorders Clinic
University of Pittsburgh
Western Psychiatric Institute and Clinic
Pittsburgh, Pennsylvania

NHLBI Grant #27159 - Biobehavioral Approaches to Hypertension
Rolf G. Jacob, M.D. Principal Investigator

Primary clinical research and administrative duties included:

- The Instantaneous Assessment of Mood Research study conducted in Anxiety Disorders Clinic
- Conducting experimental sessions
- Recruiting subjects
- Creation of training manuals

- Data management and analysis
- Physiological assessments of patients with hypertension.
- Scoring psychological tests (e.g., BDI, Spielberger STAI)
- computer programming of scoring programs for Anxiety Disorders Clinic Battery

9/84-12/84

Teaching Assistant, Introductory Psychology

Department of Psychology,
University of Pittsburgh
Pittsburgh, Pennsylvania

PUBLICATIONS

Refereed

Jacob R.G., Simons A.D., Manuck S.B., Rohay J.M., Waldstein S., & Gatsonis C. (1989). The circular mood scale: A new technique of measuring ambulatory mood. Journal of Psychopathology and Behavioral Assessment, 11, 163-173.

Cauley, J.A., Kwoh, C.K., Egeland, G., Nevitt, M.C., Cooperstein, L., Rohay, J., Towers, A., & Gutai, J.P. (1993). Serum sex hormones and severity of osteoarthritis of the hand. The Journal of Rheumatology, 20, 1170-1175.

Perkins, K.A., Rohay, J., Meilahn, E.N., Wing, R.R., Matthews, K.A., & Kuller, L.H. (1993). Diet, alcohol, and physical activity as a function of smoking status in middle-aged women. Health Psychology, 12, 410-415.

Danielson M.E., Cauley J.A., & Rohay J.M. (1993) Physical activity and its association with plasma lipids and lipoproteins in elderly women. Annals of Epidemiology, 3; 351-357.

Varvaro, F.F., Thompson, M.E., Lefler, R., & Rohay J. (1993). Family adjustment, and health in coronary women. Circulation, 4(Suppl. 88), Part 2, 1-391.

Muldoon, S.B., Cauley, J.A., Kuller, L.H., Scott, J., & Rohay, J. (1994). Lifestyle and sociodemographic factors as determinants of blood lead levels in elderly women. American Journal of Epidemiology, 139(6), 599-608.

Davidson, L.J., Ryan, W.J., Rohay, J.M., & Sereika, S.M. (1996). Technological Advances in Data Entry and Verification: Is Teleform For You? Nursing Research, 45(6), 373-376.

Puskar, K.R., Lamb, J., Boneysteele, G., Sereika, S., Rohay, J., & Tusaie-Mumford, K. (1996). High Touch Meets High Tech: Distance Mental Health Screening for Rural Youth Using Teleform. Computers in Nursing, 14(6), 323-329.

Constantino, R.E., Sutton, L.B., & Rohay, J. (1997). Assessing Abuse in Female Suicide Survivors. Holistic Nursing Practice, 11(2), 60-68.

Schlenk, E. A., Erlen, J. A., Dunbar-Jacob, J., McDowell, J., Engberg, S., Sereika, S. M., Rohay, J. M., & Bernier, M. J. (1998). Health-related quality of life in chronic disorders: A comparison across studies using the MOS SF-36. Quality of Life Research, 7, 57-65.

Berg, J., Dunbar-Jacob, J., & Rohay, J. (1998). Assessing Inhaler Medication Adherence Using an Electronic Monitoring Device Revised. Annals of Behavioral Medicine, 20, 36-38.

Puskar, K.R. & Rohay, J.M. (1999). School relocation and stress in teens. Journal of School Nursing, 15, 16-22.

Palevsky, P.M., Washington, M.S., Stevenson, J.A., Rohay, J.M., Dyer, N.J., Lockett R. & Perry, S.B. (2000). Barriers to the delivery of adequate hemodialysis in ESRD Network 4. Advances in Renal Replacement Therapy, 7(4):S1, S11-S20.

Palevsky, P.M., Washington, M.S., Stevenson, J.A., Rohay, J.M., Dyer, N.J., Lockett R. & Perry, S.B. (2000). Improving compliance with the dialysis prescription as a strategy to increase the delivered dose of hemodialysis: An ESRD Network 4 Quality Improvement Project. Advances in Renal Replacement Therapy, 7(4):S1, S21-S30.

Shiffman, S., Paty, J. A., Rohay, J.M., Di Marino, M. E., & Gitchell, J. (2000). The efficacy of computer-tailored smoking cessation material as a supplement to nicotine gum treatment. Archives of Internal Medicine, 160(11):1675-1681

Burkhart, P., Dunbar-Jacob, J., & Rohay, J.M. (2001). Accuracy of children's self-reported adherence to treatment. Journal of Nursing Scholarship, 33:1, 27-32.

Burkhart, P., Dunbar-Jacob, J., Fireman, P., & Rohay, J.M. Abstract: Accuracy of diary keeping by children with asthma. Journal of Allergy & Clinical Immunology, (January 2001, supplement).

Shiffman S., Paty J.A., Rohay J.M., Di Marino M.E., & Gitchell J.G. (2001). The efficacy of computer-tailored smoking cessation material as a supplement to nicotine patch therapy. Drug and Alcohol Dependence, 64(1):35-46.

Shiffman S., Pillitteri J.L., Burton S.L., Rohay J.M., & Gitchell J.G. (2001). Effect of health messages about "Light" and "Ultra Light" cigarettes on beliefs and quitting intent. Tobacco Control, 10 (Suppl. 1):i24-i32.

Shiffman S., Pillitteri J.L., Burton S.L., Rohay J.M., & Gitchell J.G. (2001). Smokers' beliefs about "Light" and "Ultra Light" cigarettes. Tobacco Control, 10(Suppl. 1):i17-i23.

Burkhart P.V., Dunbar-Jacob J.M., Fireman P., & Rohay J.M. (2002). Children's adherence to recommended asthma self-management. Pediatric Nursing, 28(4):409-414.

Zgibor J.C, Stevenson J.A., Rohay J.M., Perry S.B., Dyer N.J., Freed B., & Palevsky P.M. (2003). Tracking and improving influenza immunization rates in a high-risk medicare beneficiary population. Journal of Healthcare Quality, 25: 17-24, 27.

Cone E.J., Fant R.V., Rohay J.M., Caplan Y.H., Ballina M., Reder R.F., Spyker, D., & Haddox J.D. (2004). Oxycodone Involvement in Drug Abuse Deaths: A DAWN-Based Classification Scheme Applied to an Oxycodone Postmortem Database Containing Over 1000 Cases. Journal Analytic Toxicology, 27 (2): 57-67.

Cone E.J., Fant R.V., Rohay J.M., Caplan Y.H., Ballina M., Reder R.F., & Haddox J.D. (2004) Oxycodone involvement in drug abuse deaths. II. Evidence for toxic multiple drug-drug interactions. Journal Analytic Toxicology, 28(7):616-624.

Shiffman, S., Dresler, C.M., & Rohay, J.M. (2004). Successful treatment with a nicotine lozenge of smokers with prior failure in pharmacological therapy. Addiction, 99:83-92.

Shiffman, S., Sweeney, C.T., Ertischek, M.D., Kyle, T.K., & Rohay, J.M. (2006). Tobacco cessation and weight loss: Trends in media coverage. American Journal of Health Behavior, 30: 363-374.

Shiffman S., Gitchell J., Rohay J.M., Hellebusch S.J., & Kemper K.E. (2007). Smokers' preferences for medicinal nicotine vs smokeless tobacco. American Journal of Health Behavior, 31:462-472.

Shiffman, S., Sweeney, C.T., Rohay, J.M., & Ertischek, M.D. (2007). Physician involvement in recommending over-the-counter nicotine replacement therapy. American Journal of Preventative Medicine, 32: 358-259.

Gerlach, K.K., Rohay, J.M., Gitchell, J.G., & Shiffman, S. (2008). Use of nicotine replacement therapy among never smokers in the 1999-2006 National Health and Nutrition Examination Surveys. Drug and Alcohol Dependence, 98:154-8.

Pillitteri, J.L., Shiffman, S., Rohay, J.M., Harkins, A.M., Burton, S.L., & Wadden, T.A. (2008). Use of dietary supplements for weight loss in the United States: results of a national survey. Obesity (Silver Spring), 16: 790-796.

Burroughs, V.J., Nonas, C., Sweeney, C.T., Rohay, J.M., Harkins, A.M., Kyle, T.K., & Burton, S.L. (2008). Self-reported comorbidities among self-described overweight African-American and Hispanic adults in the United States: results of a national survey. Obesity (Silver Spring), 16: 1400-1406.

Frabicator, A.N., Wadden, T.A., Rohay, J.M., Pillitteri, J.L., Shiffman, S., Harkins, A.M., & Burton, S.L. (2008). Weight loss expectations and goals in a population sample of overweight and obese US adults. Obesity (Silver Spring), 11: 2445-2450.

Shiffman, S., Ferguson, S.G., Rohay J.M., & Gitchell, J.G. (2008). Perceived safety and efficacy of nicotine replacement therapies among US smokers and ex-smokers: relationship with use and compliance. Addiction, 103: 1371-1378.

Shiffman, S., Cone E.J., Buchhalter A.R., Henningfield J.E., Rohay J.M., Gitchell J.G., Pinney J.M., & Chau, T. (2009). Rapid absorption of nicotine from new nicotine gum formulations. Pharmacological Biochemical Behavior, 91:380-384.

Burroughs, V.J., Nonas, C., Sweeney, C.T., Rohay, J.M., Harkins, A.M., Kyle, T.K., & Burton, S.L. (2010). Self-reported weight loss practices among African American and Hispanic adults in the United States. Journal of the National Medical Association, 102: 469-475.

Ferguson, S.G., Shiffman, S., Rohay J.M., Gitchell, J.G., & Garvey, A.J. (2011). Effect of compliance with nicotine gum dosing on weight gained during a quit attempt. Addiction, 106: 651-656.

Ferguson, S.G., Gitchell, J.G., Shiffman, S., Sembower, M.A., Rohay J.M., & Allen, J. (2011). Providing accurate safety information may increase a smoker's willingness to use nicotine replacement therapy as part of a quit attempt. Addictive Behaviors, doi:10.1016/j.addbeh.2011.02.002

Shiffman, S., Gerlach, K.K., Sembower, M.A., & Rohay J.M. (2011). Consumer understanding of prescription drug information: an illustration using an antidepressant medication. Annals of Pharmacotherapy; 45; 452-458.

Shiffman, S., Sembower, M.A., Rohay, J.M., Gitchell, J.G., Garvey, A.J. (2013). Assigning dose of nicotine gum by time to first cigarette. Nicotine and Tobacco Research; **15**; 407-412.

Kaufman, D.W., Kelly, J.P., Rohay, J.M., Malone, M.K., Weinstein, R.B., & Shiffman, S. (2012). Prevalence and correlates of exceeding the labeled maximum dose of acetaminophen among adults in a U.S.-based internet survey. Pharmacoepidemiology and Drug Safety; **21**; 1280-1288.

Shiffman, S., Rohay, J.M., Battista D., Kelly, J.P., Malone, M.K., Weinstein, R.B., & Kaufman, D.W. (2015). Patterns of acetaminophen medication use associated with exceeding the recommended maximum daily dose. Pharmacoepidemiology and Drug Safety.

Dunbar-Jacob, J., Rohay, J.M. (2016). Predictors of medication adherence: fact or artifact. Journal of Behavioral Medicine.

Shiffman, S., Cotton, H., Jessurun, C., Rohay, J., & Sembower, M. (2016). An acetaminophen icon helps reduce medication decision errors in an experimental setting. Journal of the American Pharmacists Association, **56(5)**, 495-503.

Abstracts

Rohay, J.M., Marsh G., Sereika, S., Mazumdar, S., & Dunbar-Jacob, J. (1994). The effects of aggregation on medication compliance history in repeated measures ANOVA: A simulation study. Controlled Clinical Trials, **15(Suppl. 3)**, 98.

Dunbar-Jacob, J., Sereika, S., Rohay, J.M., & Probstfield, J. (1994). J-shaped compliance distribution revisited. Controlled Clinical Trials, **15(Suppl. 3)**, 120.

Burke, L.E., Ewart, C.K., Thompson, P.D., & Rohay, J.M. (1995). Psychometric Evaluation of the Cholesterol-Lowering Diet Self-Efficacy Scale. Circulation, **92(Suppl. 1)**, 66.

Dunbar-Jacob, J., Sereika, S., Rohay, J.M., Burke, L.E., & Kwoh, C.K. (1995, March). Predictors of Adherence: Differences by Measurement Method. Annals of Behavioral Medicine, **17(Suppl.)**.

Dunbar-Jacob, J., Sereika, S., Burke, L.E., Starz, T., Rohay, J.M., & Kwoh, C.K. (1995, March). Can Poor Adherence Be Improved? Annals of Behavioral Medicine, **17(Suppl.)**.

Berg, J., Dunbar-Jacob, J., & Rohay, J. (1995, March). Assessing Inhaler Medication Adherence Using an Electronic Monitoring Device Revised. Annals of Behavioral Medicine, **17(Suppl.)**.

Berg, J., Dunbar-Jacob, J., & Rohay, J. (1995, March). Compliance with Inhaled Medications: The Relationship Between Diary and Electronic Monitor. Annals of Behavioral Medicine, **17(Suppl.)**.

Burke, L.E., Ewart, C.K., Thompson, P.D., Rohay, J.M., Matthews J., Sereika, S., & Dunbar-Jacob, J. (1995, October). Psychometric evaluation of the cholesterol-lowering diet self-efficacy scale. American Heart Association. Circulation, **92(8)**, I-766.

Charron-Prochownik, D., Wilson, S., Maihle, T., DeLullo, N., Kennedy, B., & Rohay, J. (1996). Family planning behavior in young women with IDDM. Diabetes, 45 (Suppl. 2): 178A.

Dunbar-Jacob, J.M., Burke, L.E., Rohay, J.M., Sereika, S., Schlenk, E.A., & Lipello, A. . (1996). Comparability of self-report, pill count and electronically monitored adherence data. Controlled Clinical Trials, 17, (2S): 80S.

Rohay, J.M., Dunbar-Jacob, J., Sereika, S., Kwoh, K., & Burke, L. (1996). The Impact of Method of Calculation of Electronically Monitored Adherence Data. Controlled Clinical Trials, 17, (2S): 82S.

Schlenk, E.A., Dunbar-Jacob, J., & Rohay, J.M. (1996). Concordance of Medication adherence measures in primary Raynaud's Disease. Controlled Clinical Trials, 17, (2S): 123S.

Charron-Prochownik, D., Rohay, J., Hughes, S., & Weinoff, R. (1997). Factors associated with preconception counseling in young women with IDDM. Diabetes, 46, (1S): 267A.

Di Marino, M.E., Rohay, J.M., Paty, J.A., Gitchell, J.G., Pillitteri, J.L., & Shiffman, S. (2000). Generalizing clinical trial results to the population: A Test Case Comparison. Controlled Clinical Trials, 21.

Rohay, J.M., Bittner, G.M., & Pillitteri, J.L. (2001). Double entry using Teleform™ . Controlled Clinical Trials, 22.

PRESENTATIONS

International

Rohay, J.M., Dunbar-Jacob, J., Sereika, S., & Waclawiw, M. (1995, April). The Analysis of Adherence Data. Paper presented at the 16th Annual Society for Clinical Trials Conference, Seattle, WA.

Burke, L.E., Dunbar-Jacob, J., Sereika, S., & Rohay, J.M. (1996, March). Outcome Expectation vs. Self-Efficacy as Predictive of Dietary Adherence in Cardiac Rehabilitation Patients. Washington, DC.

Rohay, J.M., Dunbar-Jacob, J., Sereika, S., Kwoh, K., & Burke, L. (1996, May). The Impact of Method of Calculation of Electronically Monitored Adherence Data. Paper presented at the 17th Annual Society for Clinical Trials Conference, Pittsburgh, PA.

Dunbar-Jacob, J.M., Burke, L.E., Rohay, J.M., Sereika, S., Schlenk, E.A., & Lipello, A. (1996, May). Comparability of self-report, pill count and electronically monitored adherence data. Paper presented at the 17th Annual Society for Clinical Trials Conference, Pittsburgh, PA.

Schlenk, E.A., Dunbar-Jacob, J., & Rohay, J.M. (1996). Concordance of Medication adherence measures in primary Raynaud's Disease. Paper presented at the 17th Annual

Society for Clinical Trials Conference, Pittsburgh, PA.

Schlenk, E. A., Erlen, J. A., Dunbar-Jacob, J., McDowell, J., Engberg, S., Sereika, S. M., Rohay, J. M., & Bernier, M. J. (1997, October). Quality of life across chronic disorders. Paper presented at the 2nd European Nursing Congress, Amsterdam, Netherlands.

Shiffman, S. Paty, J. A., Rohay, J., DiMarino, M., & Strecher, V. (1998, August). The efficacy of computer tailored smoking cessation material as a supplement to nicotine patch therapy. International meeting of the Society for Research on Nicotine and Tobacco, 1st annual meeting in Copenhagen, Denmark.

Shiffman, S., Paty, J. A., Di Marino, M., & Rohay, J. (1999, February). Improving success rates in smoking cessation using the Committed Quitters Program of tailored behavioral materials to supplement nicotine patch. Conference on Tobacco or Health, Las Palmas, 2nd European and 1st Iberoamerican meeting in Gran Canaria, Spain.

Di Marino, M., Rohay, J.M., Paty, J.A., Gitchell, J.G., Pillitteri, J.L., & Shiffman, S. (2000, August). Generalizing clinical trial results to the population: a test case comparison. *Society for Clinical Trials*, Toronto, Canada.

Burkhart, P., Dunbar-Jacob, J., & Rohay, J.M. (2001, February). Accuracy of self-reported adherence to peak flow monitoring by children with asthma. Southern Nursing Research Conference, Baltimore, MD, Feb 1-3, 2001.

Burkhart, P., Dunbar-Jacob, J., Fireman, P., & Rohay J.M. (2001, March). Accuracy of diary keeping by children with asthma. American Academy of Allergy Asthma & Clinical Immunology, 57th annual meeting in New Orleans.

Shiffman, S., Ferguson, S., Rohay, J., & Gitchell, J. (2005, March). Perceived safety of NRT: Impact on usage and compliance. In a symposium (Martin Jarvis, Chair), Barriers to cessation and treatment – underestimating tobacco harm and overestimating medicinal nicotine harm. Presented at the Annual Meeting of the Society for Research on Nicotine and Tobacco, Prague, Czech Republic.

Shiffman, S., Rohay, J. & Ferguson, S. (2005, March). Intermittent smoking: An emerging pattern. Poster presented at the Annual Meeting of the Society for Research on Nicotine and Tobacco, Prague, Czech Republic.

Pillitteri, J., Burton, S., Shiffman, S., Rohay, J., Harkins, A., & Pettinico, G. (2006, September). Consumers' use of and beliefs about dietary supplements. Poster session presented at the 10th International Congress on Obesity, Sidney, Australia.

Shiffman, S., Pillitteri, J., Burton, S., Rohay, J., Harkins, A., Pettinico, G., & Foster, G. (2006, September). Americans' self-perceptions of overweight. Poster session presented at the 10th International Congress on Obesity, Sidney, Australia.

Shiffman, S., Pillitteri, J., Burton, S., Rohay, J., Harkins, A., & Pettinico, G. (2006, September). Consumer expectations for weight loss. Poster session presented at the 10th International Congress on Obesity, Sidney, Australia.

Rohay, J.M., Marsh, G.M., Anderson, S.J., Arena, V.C., Youk, A. & Dunbar-Jacob, J., (2014, May). Statistical assessment of medication adherence data: A technique to analyze the J-Shaped curve. Poster session presented at the 35th Annual Society for Clinical Trials Conference, Philadelphia, PA.

National

Jacob R.G., Shapiro A.P., Russell P., Kruger A., Portser S., Rohay J.M., & Fortmann S.P. (1986, March). Blood pressure monitoring, pill placebo, and Stress education; experiences with three different methods of inducing non-specific treatment effects for mild hypertensives. Presented at the Society of Behavioral Medicine, 7th Annual Session, San Francisco, CA.

Begg, L., Dunbar-Jacob, J., Belle, S., & Rohay, J. (1994, April). Compliance with Breast Screening Practices. Paper presented at the 15th Anniversary Meeting of the Society of Behavioral Medicine, Boston, MA.

Berg, J., & Rohay, J. (1994, April). Assessing Inhaler Medication Adherence Using an Electronic Monitoring Device. Paper presented at the 15th Anniversary Meeting of the Society of Behavioral Medicine, Boston, MA.

Dunbar-Jacob, J., Sereika, S., Rohay, J.M., Burke, L.E., & Kwoh, C.K. (1995, March). Predictors of Adherence: Differences by Measurement Method. Poster presented at the 16th Annual Scientific Sessions of the Society of Behavioral Medicine, San Diego, CA.

Dunbar-Jacob, J., Sereika, S., Burke, L.E., Starz, T., Rohay, J.M., & Kwoh, C.K. (1995, March). Can Poor Adherence Be Improved? Paper presented at the 16th Annual Scientific Sessions of the Society of Behavioral Medicine, San Diego, CA.

Berg, J., Dunbar-Jacob, J., & Rohay, J.M. (1995, March). Assessing Inhaler Medication Adherence Using an Electronic Monitoring Device Revised. Poster presented at the 16th Annual Scientific Sessions of the Society of Behavioral Medicine, San Diego, CA.

Berg, J., Dunbar-Jacob, J., & Rohay, J.M. (1995, March). Compliance with Inhaled Medications: The Relationship Between Diary and Electronic Monitor. Poster presented at the 16th Annual Scientific Sessions of the Society of Behavioral Medicine, San Diego, CA.

Berg, J., Dunbar-Jacob, J., & Rohay, J.M. (1995, May). Compliance with Inhaled Medications: The Relationship Between Diary and Electronic Monitor. Poster presented at the 10th National Council on Patient Information and Education, Washington, DC.

Rohay, J.M. (1996, April). Using Netscape to Access and Search the Internet. Paper presented at the 8th Eastern Nursing Research Society Conference, Pittsburgh, PA.

Rohay, J.M. & Sereika (1997, April). Capturing and Centralizing Data from Multiple Studies. Paper presented at the 9th Eastern Nursing Research Society Conference, Philadelphia, PA.

Pillitteri, J.L., Shiffman, S., Rohay, J.M., Gitchell, J.G., & Burton, S.L. (2001, March). Smokers' beliefs about light and ultra light cigarettes are more fiction than fact. Poster presented at the Seventh Annual Meeting of the Society for Research on Nicotine and Tobacco, Seattle, WA.

Shiffman, S., Rohay, J.M., Pillitteri, J.L., & Burton, S.L. (2002, February). Preference for assisted quitting among smokers likely to quit. Poster presented at the Eighth Annual Meeting of the Society for Research on Nicotine and Tobacco, Savannah, GA.

Shiffman, S., Rohay, J.M., Pillitteri, J.L., Gitchell, J.G., & Burton, S.L. (2002, February). Recent trends in interest in pharmacologically assisted quitting: 1997-2001. Poster presented at the Eighth Annual Meeting of the Society for Research on Nicotine and Tobacco, Savannah, GA.

Gitchell, J.G., Di Marino, M., Rohay, J.M., & Shiffman, S. (2002, February). Population trends in smoking cessation and correlations to pharmacotherapy utilization: results from the current population survey. Poster presented at the Eighth Annual Meeting of the Society for Research on Nicotine and Tobacco, Savannah, GA.

Shiffman, S., Rohay, J.M., Pillitteri, J.L., & Burton, S.L. (2002, February). Preference for assisted quitting among smokers likely to quit. Poster presented at the Eighth Annual Meeting of The Society for Research on Nicotine and Tobacco, Savannah, GA.

Shiffman, S., Pillitteri, J.L., Rohay, J.M., Williams, I.M., Burton, S.L., Harkins, A.M., Weis, D.G., & Curran, A. (2006, August). Weight loss practices among African Americans and Hispanics in the United States. Poster session presented at the 2006 Annual Convention and Scientific Assembly of the National Medical Association, Dallas, Texas.

Shiffman, S., Pillitteri, J.L., Burton, S.L., Rohay, J.M., Harkins, A.M., Wadden, T.A., & Pettinico, G. (2006, October). Weight loss practices of adults in the United States. Poster session presented at NAASO, The Obesity Society 2006 Annual Meeting, Boston, MA.

Pillitteri, J.L., Shiffman, S., Rohay, J.M., Harkins, A.M., Wadden, T.A., Pettinico, G., & Burton, S.L. (2006, October). Interaction with physicians among overweight adults in the United States. Poster session presented at NAASO, The Obesity Society 2006 Annual Meeting, Boston, MA.

Pillitteri, J.L., Shiffman, S., Rohay, J.M., Wadden, T.A., Harkins, A.M., Burton, S.L., & Pettinico, G. (2006, October). Dietary supplement use for weight loss among US adults. Poster session presented at NAASO, The Obesity Society 2006 Annual Meeting, Boston, MA.

Fabricatore, A., Rohay, J.M., Pillitteri, J.L., Burton, S.L., Harkins, A.M., Wadden, T.A., & Shiffman, S. (2006, October). Weight loss goals and expectations as a function of gender, BMI, and previous weight loss experiences. Poster session presented at NAASO, The Obesity Society 2006 Annual Meeting, Boston, MA.

Rohay, J., Kraus, M., Solcher, S., Wilson, R., Miller, C., & Bogner, S. (2015, March). Predictors of transitioning to home. Poster session presented at 2015 National Kidney Foundation Spring Clinical Meetings, March 25-26, 2015, Dallas, TX.

Dunbar-Jacob, J., Rohay, J.M., & Gellad, W. (2015, June). Variations on a Theme: The 50% adherer. Paper session presented at the Pittsburgh Conference on the Science of Medication Adherence, Pittsburgh, PA.

Rohay, J.M., Marsh, G.M., Anderson, S.J., Arena, V.C., Youk, A. & Dunbar-Jacob, J., (2015, June). A technique to analyze the J-Shaped curve. Poster session presented at the

Pittsburgh Conference on the Science of Medication Adherence, Pittsburgh, PA.

Dunbar-Jacob, J., Rohay, J.M., & Zheng, Y. (2015, June). Predictors of Medication Adherence: Fact or Artifact. Poster session presented at the Pittsburgh Conference on the Science of Medication Adherence, Pittsburgh, PA.

Zheng, Y., Rohay, J.M., & Dunbar-Jacob, J. (2015, June). The Impact of Electronic Monitoring on the Patterns of Medication Adherence. Poster session presented at the Pittsburgh Conference on the Science of Medication Adherence, Pittsburgh, PA.

Dunbar-Jacob, J., Rohay, J.M., & Zheng, Y. (2015, June). Variability in Medication Adherence Influences Self-Report. Poster session presented at the Pittsburgh Conference on the Science of Medication Adherence, Pittsburgh, PA.

Regional

Burke, L.E., Dunbar-Jacob, J., Sereika, S., & Rohay, J.M. (1996, March). Outcome Expectation vs. Self-Efficacy as Predictive of Dietary Adherence in Cardiac Rehabilitation Patients. Washington, DC.

Local

Jacob R.G., Russell P., & Rohay J.M. (1985, February). Stress and Hypertension. Presented at the University of Pittsburgh conference on Stress in the Workplace, Pittsburgh, PA.

Rohay, J.M., Schlenk, E., Dunbar-Jacob, J., & Jacob, R. (1997). The Association Between Medication Adherence and Outdoor Temperature in Patients with Raynaud's Disease. Presented at the American Statistical Association Pittsburgh Banquet, Pittsburgh, PA.

Rohay, J.M., McCall, M.K., Callan, J.A., Powell, A.B., & Dunbar-Jacob, J. (2013). Medication Adherence and Complexity among Older Adults. Presented at the Celebrating Research on Aging: Building Collaborations for the Future Conference, Pittsburgh, PA.