

APPENDIX 2A

ORIGINAL PACE DEMONSTRATION SITES

**A Project to Develop an Outcome-Based Continuous Quality Improvement System and
Core Outcome and Comprehensive Assessment Data Set for PACE**

ORIGINAL PACE DEMONSTRATION SITES

Bienvivir Senior Health Services
El Paso, TX

Center for Elders Independence
Oakland, CA

Community Care for the Elderly
Milwaukee, WI

Comprehensive Care Management
Bronx, NY

Elder Service Plan of East Boston Neighborhood
Health Center
East Boston, MA

Henry Ford Center for Senior Independence
Detroit, MI

Independent Living for Seniors
Rochester, NY

On Lok Senior Health Services
San Francisco, CA

Palmetto SeniorCare
Columbia, SC

Providence ElderPlace in Portland
Portland, OR

Sutter SeniorCare
Sacramento, CA

Total Longterm Care
Denver, CO

APPENDIX 1B

CLINICAL PANEL, MASTER CLINICIAN REVIEW PANEL, AND ADVISORY COMMITTEE MEMBERS

**A Project to Develop an Outcome-Based Continuous Quality Improvement System
and Core Outcome and Comprehensive Assessment Data Set for PACE**

CENTERS FOR MEDICARE & MEDICAID SERVICES
Contract No. 500-96-0004

First Clinical Panel, Spring 1998

Mary Gavinski, MD
Medical Director
Community Care for the Elderly
Milwaukee, WI

Jan Meyer, BA
QI Program Coordinator
Providence Elder Place
Portland, OR

Nancy Kelly, NP
East Boston Neighborhood Health Center
East Boston, MA

Annette Moran, RNC
Nursing Supervisor
Independent Living for Seniors
Rochester, NY

Tina Labrozzi, RN, MN
Service Development Coordinator
Palmetto Seniorcare
Columbia, SC

Veronica Yip Long, OT
On Lok Senior Health Services
San Francisco, CA

Martin Mandel, SW
Social Work Manager
Beth Abraham Health Services
Comprehensive Care Management
Bronx, NY

Robert McCann, MD
Medical Director
Independent Living for Seniors
Rochester, NY

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Second Clinical Panel, Summer 1998

Rod Auton, ACSW
Henry Ford Health System
Center for Senior Independence
Detroit, MI

Mary Ann Betenbaugh, PT
Palmetto SeniorCare
Columbia, SC

Kenneth Brummel-Smith, MD
Medical Director, Providence Elder Place
Portland, OR

Peggy Elms, OTR
Manager of Rehabilitation Services
Center for Elders Independence
Oakland, CA

Mary Ann Misenhimer, NP
Sutter Senior Care
Sacramento, CA

Willie Orr, MD
Medical Director
Total Longterm Care
Thornton, CO

Heather Parrish, MSW
Site Supervisor
Sutter Senior Care
Sacramento, CA

Patricia Poleno, NP
Henry Ford Health System
Center for Senior Independence
Detroit, MI

**A Project to Develop an Outcome-Based Continuous Quality Improvement System
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CENTERS FOR MEDICARE & MEDICAID SERVICES
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Third Clinical and Research Panel, Summer 1999

Mary Ann Betenbaugh, PT
Palmetto SeniorCare
Columbia, SC

Sarah Booth, LCSW
Social Work Program Specialist
Elder Place
Portland, OR

Richard H. Fortinsky, PhD
Associate Professor of Medicine
University of Connecticut
Center on Aging
Farmington, CT

Kathryn McGuire, MS, RN
Administrator
Independent Living for Seniors
Rochester, NY

James Pedulla, MD
Medical Director
East Boston Neighborhood Health Center
East Boston, MA

Jeanne Prochnow, RN
Vice President
Community Care for the Elderly
Milwaukee, WI

Lori Rothwell, BA
Director of Quality Management
Total Longterm Care
Denver, CO

Anne Wilkinson, PhD
Senior Research Associate
Center to Improve Care of the Dying
Washington, DC

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CENTERS FOR MEDICARE & MEDICAID SERVICES
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External Clinical Panel, Spring 2000

Rod Auton, SW
Center for Senior Independence
Detroit, MI

Sarah Booth, SW
Providence Elder Place
Portland, OR

Mary Ann Betenbaugh, PT
Palmetto Senior Care
Columbia, SC

Ken Brummel-Smith, MD
Medical Director
Providence Elder Place
Portland, OR

Eileen Butler, RN
Beth Abraham Health Services
Comprehensive Care Management
Bronx, NY

Cindy Cowie
Quality Improvement Coordinator
Community Care for the Elderly
Milwaukee, WI

John Egbert, MD
Medical Director
Palmetto Senior Care
Columbia, SC

Peggy Elms, OT
Center for Senior Independence
Berkley, CA

Patricia Hron
Recreational Therapy Manager
Beth Abraham Health Services
Comprehensive Care Management
Bronx, NY

Nancy Kelly, NP
East Boston Neighborhood Health Center
East Boston, MA

Kathy Mcguire, RN
Administrator
Independent Living for Seniors
Rochester, NY

Jan Meyer
Quality Improvement Coordinator
Providence Elder Place
Portland, OR

Susan Musicant, PT
Center for Elder Independence
Oakland, CA

Willie Orr, MD
Medical Director
Total Long Term Care
Denver, CO

Gia Osuna, RN
Bienvivir Senior Health Services
El Paso, TX

James Pedulla, MD
East Boston Neighborhood Health Center
East Boston, MA

Patricia Poleno, NP
Center for Senior Independence
Detroit, MI

Jeanne Prochnow
Vice President
Community Care for the Elderly
Milwaukee, WI

Kathie Ramos
Social Service Supervisor
Sutter Senior Care
Sacramento, CA

Lori Rothwell
Director of Quality Management
Total Long Term Care
Denver, CO

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CENTERS FOR MEDICARE & MEDICAID SERVICES

Contract No. 500-96-0004

Fourth Clinical Panel, Spring 2000

Rod Auton, ACSW
Social Worker, Center Manager
Henry Ford Center for Senior Independence
Detroit, MI

Jan Meyer
Quality Improvement Coordinator
Providence Elder Place
Portland, OR

Mary Ann Betenbaugh, PT
Palmetto Senior Care
Columbia, SC

Willie Orr, MD
Medical Director
Total Longterm Care
Denver, CO

John Egbert, MD
Medical Director
Palmetto Senior Care
Columbia, SC

Gia Osuna, RN
Clinic Manager
Bienvivir Senior Health Services
El Paso, TX

Kathryn McGuire, MS, RN
Administrator
Independent Living for Seniors
Rochester, NY

James Pedulla, MD
Medical Director
East Boston Neighborhood Health Center
East Boston, MA

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CENTERS FOR MEDICARE & MEDICAID SERVICES
Contract No. 500-96-0004

Master Clinician Review, Summer 2000

Primary Care

Chris Brand, NP Community Care for the Elderly Milwaukee, WI	Harry Krulewitch, MD Providence Elder Place Portland, OR	Germaine Sainte-Aude, MD Beth Abraham Health Services Comprehensive Care Management Bronx, NY
Catherine Eng, MD On Lok Senior Health Services San Francisco, CA	Wayne Lee, MD Beth Abraham Health Services Comprehensive Care Management Bronx, NY	Marc Sapir, MD Center for Elder Independence Oakland, CA
Ronald Ford, MD Henry Ford Center for Senior Independence Detroit, MI	Sheila Macleod, MD Beth Abraham Health Services Comprehensive Care Management Bronx, NY	Nancy Seigal, NP East Boston Neighborhood Health Center East Boston, MA
Mary Gavinski, MD Community Care for the Elderly Milwaukee, WI	Elliot Mazer, MD Sutter Senior Care Sacramento, CA	Lyn Stromberg, MD Center for Elder Independence Oakland, CA
Caren Gould, MD On Lok Senior Health Services San Francisco, CA	Thomas Palmer, MD Center for Senior Independence Detroit, MI	Linda Tsai, MD Independent Living for Seniors Rochester, NY
Karen Hardy, NP Palmetto Senior Care Columbia, SC		

Rehabilitation Therapy

Cheryl Brinkman, OT Community Care for the Elderly Milwaukee, WI	Ann Burns, PT Total Longterm Care Denver, CO	Lynn Chisholm, OT Beth Abraham Health Services Comprehensive Care Management Bronx, NY
Sharon Burke, PT Independent Living for Seniors Rochester, NY	Emma Cheung, PT On Lok Senior Health Services San Francisco, CA	James Dailey, OT East Boston Neighborhood Health Center East Boston, MA

Master Clinician Review (Cont'd)

Rehabilitation Therapy (Cont'd)

Jolinda Dallin, PT Bienvivir Senior Health Services Rochester, NY	Andrea Ericson, PT Community Care for the Elderly Milwaukee, WI	Jan Griffith, OT Total Long Term Care Denver, CO
Peggy Elms, OT Center for Elder Independence Oakland, CA	Stacey Etherton-Agius, PT Center for Senior Independence Detroit, MI	George Gross, PT East Boston Neighborhood Health Center East Boston, MA
Marta Jorgenson-Giza, PT Providence Elder Place Portland, OR	Susan Musicant, PT Center for Elder Independence Oakland, CA	Lara Press, OT Independent Living for Seniors Rochester, NY
Nancy Kriet, OT Providence Elder Place Portland, OR	Roberta Nichell, OT Sutter Senior Care Sacramento, CA	Rick Rietgraft, PT Sutter Senior Care Sacramento, CA
Anna Mazzola, PT Beth Abraham Health Services Comprehensive Care Management Bronx, NY	Francisca Perez, OT On Lok Senior Health Service San Francisco, CA	Corinne Yuen Harrison, OT On Lok Senior Health Services San Francisco, CA

Nursing

Juliet Agloro, RN Center for Elder Independence Oakland, CA	Joanne Ja, RN On Lok Senior Health Services San Francisco, CA	Octavio Navarro, RN Bienvivir Senior Health Services El Paso, TX
Mary Boland, RN Providence Elder Place Portland, OR	Janet Lepley, RN Providence Elder Place Portland, OR	Barbara Oches, RN Palmetto Senior Care Columbia, SC
Susan Cavalieri, RN Beth Abraham Health Services Comprehensive Care Management Bronx, NY	Patricia Machado, RN East Boston Neighborhood Health Center East Boston, MA	Gia Osuna, RN Bienvivir Senior Health Services El Paso, TX
Janet Fergosi, RN On Lok Senior Health Services San Francisco, CA	Fay McGowan, RN Beth Abraham Health Services Comprehensive Care Management Bronx, NY	Billie Ozenbaugh, RN Total Long Term Care Denver, CO
		Diane Pixley, RN Center for Elder Independence Oakland, CA

Master Clinician Review (Cont'd)

Nursing (Cont'd)

Ida Quinton, RN
Total Long Term Care
Denver, CO

Janet Stamey, RN
Palmetto Senior Care
Columbia, SC

Ann Watts, RN
Sutter Senior Care
Sacramento, CA

Mary Jo Schmidt, RN
Center for Senior
Independence
Detroit, MI

Kristen Thomas, RN
Community Care for the
Elderly
Milwaukee, WI

Mary Williams, RN
Community Care for the
Elderly
Milwaukee, WI

Patricia Shapiro, RN
Sutter Senior Care
Sacramento, CA

Barbara Viruso, RN
Independent Living for
Seniors
Rochester, NY

Dietitian

Frances Chan, RD
On Lok Senior Health
Services
San Francisco, CA

Susan Fejio-Lynch, RD
East Boston Neighborhood
Health Center
East Boston, MA

Barbara Menet, RD
Sutter Senior Care
Sacramento, CA

Martha Cieslak, RD
Independent Living for
Seniors
Rochester, NY

Deborah Harris, RD
Center for Senior
Independence
Detroit, MI

Jan Spears, RD
Center for Elder
Independence
Oakland, CA

Barbara Clement, RD
Providence Elder Place
Portland, OR

Wendy Mankie, RD
Total Long Term Care
Denver, CO

Amy Suyama, RD
Total Long Term Care
Denver, CO

Recreational Therapy

Lynn Anderson, RT
Community Care for the
Elderly
Milwaukee, WI

Kim Collom, RT
Total Long Term Care
Denver, CO

Sheila Grant Balanos, RT
Beth Abraham Health
Services Comprehensive
Care Management
Bronx, NY

Mary Alice Cardenas, RT
On Lok Senior Health
Services
San Francisco, CA

Patricia Diaz, RT
East Boston Neighborhood
Health Center
East Boston, MA

Gerri Hendricks, RT
Providence Elder Place
Portland, OR

Denise Carey, RT
Community Care for the
Elderly
Milwaukee, WI

Kim Drafts, RT
Palmetto Senior Care
Columbia, SC

Jeffrey Hurrell, RT
Palmetto Senior Care
Columbia, SC

Master Clinician Review (Cont'd)

Recreational Therapy (Cont'd)

Julie Kindred, RT
Providence Elder Place
Portland, OR

Christine Kleckman, RT
Sutter Senior Care
Sacramento, CA

Connie Latham, RT
Center for Senior
Independence
Detroit, MI

Joyce Leung, RT
On Lok Senior Health
Services
San Francisco, CA

Carolyn Perito, RT
Beth Abraham Health
Services Comprehensive
Care Management
Bronx, NY

Allison Scott, RT
Sutter Senior Care
Sacramento, CA

Social Work

Sarah Booth, SW
Providence Elder Place
Portland, OR

Marjorie Cohen, SW
Total Long Term Care
Denver, CO

Margaret Cory, SW
Community Care for the
Elderly
Milwaukee, WI

Doreen Der-Mcleod, SW
On Lok Senior Health
Services
San Francisco, CA

Marc Frederic, SW
Beth Abraham Health
Services Comprehensive
Care Management
Bronx, NY

Agnes Gambale, SW
Beth Abraham Health
Services Comprehensive
Care Management
Bronx, NY

Sarah Hamlin, SW
Palmetto Senior Care
Columbia, SC

Kristen Harkins, SW
Total Long Term Care
Denver, CO

Kevin Larry, SW
Center for Senior
Independence
Detroit, MI

Eileen McGranahan, SW
East Boston Neighborhood
Health Center
East Boston, MA

Catherine Moe, SW
Community Care for the
Elderly
Milwaukee, WI

Ann Moghaddas, SW
Center for Elder
Independence
Oakland, CA

Barbara Nielsen, SW
Center for Senior
Independence
Detroit, MI

Alma Ogaz, SW
Bienvivir Senior Health
Services
El Paso, TX

Susan Porter, SW
Providence Elder Place
Portland, OR

Kathy Ramos, SW
Sutter Senior Care
Sacramento, CA

Mary Winstead, SW
Palmetto Senior Care
Columbia, SC

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CENTERS FOR MEDICARE & MEDICAID SERVICES

Contract No. 500-96-0004

National Advisory Committee¹

Judy Baskins, RN
Executive Director
Palmetto Senior Care
Columbia, SC

Sandra Bastinelli
Center for Beneficiary Choices
Centers for Medicare & Medicaid Services
Baltimore, MD

Shawn Bloom
Executive Director
National PACE Association
Alexandria, VA

Ken Brummel-Smith, MD
Medical Director
Providence Elder Place
Portland, OR

Adam Burrows, MD
Medical Director
Upham's Elder Service Plan
Upham's Corner Health Center
Boston, MA

John Egbert, MD
Medical Director
Palmetto SeniorCare
Columbia, SC

Marvin Feuerberg, PhD
Health Insurance Specialist
Centers for Medicare & Medicaid Services
Baltimore, MD

Mary Gavinski, MD
Medical Director
Community Care for the Elderly
Milwaukee, WI

Elizabeth Goldstein, PhD
Office of Strategic Planning
Centers for Medicare & Medicaid Services
Baltimore, MD

Nancy Gorshe
Vice President
Assisted Living Concepts
Portland, OR

Linda Gowdy
Director of Bureau of Continuing Care
Initiatives
New York State Department of Health
Albany, NY

Lynn Hanson
PACE Coordinator
Department of Human Services
Salem, OR

Joanne Kipnis, MSW
Director of Resource Development
National PACE Association
San Francisco, CA

Scotti Kluess
Administrator
Independent Living for Seniors
Rochester, NY

Tina Labrozzi, RN, MN
Service Development Coordinator
Palmetto SeniorCare
Columbia, SC

Grace Li, MHA
Director of Program Operations
On Lok Senior Health Services
San Francisco, CA

Barbara A. McCann, MSW
Vice President
Interim Health Care
Ft. Lauderdale, FL

Robert McCann, MD
Medical Director
Independent Living for Seniors
Rochester, NY

National Advisory Committee¹ (Cont'd)

Jan Meyer
Quality Plan Program Specialist
Providence Elder Place
Portland, OR

Nancy Miller, PhD
Office of Research & Demonstrations
Centers for Medicare & Medicaid Services
Baltimore, MD

Judi Mooney
Health Program Administrator
New York State Department of Health
Delmar, NY

Kate O'Malley
Director
On Lok Senior Health Services
San Francisco, CA

James Pedulla, MD
Medical Director
East Boston Neighborhood Health Center
Boston, MA

Theresa Pratt
Director, Division of Integrated Health
Systems, Disabled and Elderly Programs
Group, Center for Medicaid and State
Operations
Centers for Medicare & Medicaid Services
Baltimore, MD

Jeanne Prochnow, RN
Vice President
Community Care for the Elderly
Milwaukee, WI

David Reyes, MA
Executive Director
Total Longterm Care
Denver, CO

Christine Rozance, MD
Primary Care Physician
Sutter SeniorCare
Sacramento, CA

Laura Seriguchi
Executive Director
Center for Senior Independence
Detroit, MI

Janet Tedesco
Administrator
Sutter SeniorCare
Sacramento, CA

Christine van Reenen, PhD
Senior Vice President of Public Policy
National PACE Association
Washington, DC

Mary Vienna
Director, Clinical Standards Group
Office of Clinical Standards & Quality
Centers for Medicare & Medicaid Services
Baltimore, MD

Mary Wheeler, MS, RN
Project Officer
Center for Beneficiary Choices
Centers for Medicare & Medicaid Services
Baltimore, MD

¹ Project Advisory Committee meetings were held in conjunction with the National PACE Association spring conferences in 1997, 1998, 1999, 2000, and 2002 and fall conferences in 1999, 2000, 2001, 2002, and 2003 (in addition to the Advisory Committee meetings included in the contract). Membership of the committee changed throughout the project due to changing roles within and outside of PACE. This list includes individuals who participated in at least one Advisory Committee meeting held during the project. A small number of additional individuals attended single meetings as guests.

APPENDIX 2C

DATA SETS REVIEWED AND RELEVANT LITERATURE USED IN OBCQ/COCOA-B DEVELOPMENTAL WORK

TABLE 2C.1: Data Sets Reviewed During OBCQI/COCOA-B Developmental Work.

5 Item IADL Screening Questionnaire (Fillenbaum 1985)	Consumer Assessment of Health Plans Study (CAHPS) Medicare Satisfaction Survey (AHCPR 1999)
15 Item Geriatric Depression Scale (SGDS) (Sheikh & Yesavage 1986)	Continuity of Care Index, GEM, VAMC Albany (Toseland et al. 1996)
48 Item Checklist of Problem Indicators for Abuse (Reis & Nahmaish 1998)	Cumulative Illness Rating Scale (Linn, Linn & Gurel 1968)
Acute Physiology Scale (Burns et al. 1995)	DataPACE (On Lok, Inc. 1993)
Adult Medicaid Managed Care Questionnaire (AHCPR 1998)	Dementia Mood Assessment (DMAS) (Sunderland et al. 1988)
Alcohol Use Disorder identification Test (AUDIT) (Babor & Grant 1989)	Direct Assessment of Functioning Scale (DAFS) (Lowenstein et al. 1989)
Antonovsky's Sense of Coherence Scale (Antonovsky 1987)	Economic Resources Assessment Scale of the Older Americans Resources and Services (OARS) Multi-dimensional Functional Assessment Questionnaire (Fillenbaum 1988)
Arthritis Impact Measurement Scale (AIMS) (Meenan et al. 1982)	Elder Abuse Screen (Fulmer & Welle 1986)
Assessment Inventory for Disposition and Evaluation for the Home Health Care Setting (AIDE) (Cason, Rhoads & Dean 1997)	Elderly At Risk Rating Scale (EARRS) (Donald 1997)
Barthel Index (Mahoney & Barthel 1965)	Environmental Checklist (Steele, Musliner & Berg 1995)
Basic and Instrumental Activities of Daily Living (BADL and IADL) (Lawton et al. 1982)	Executive Interview (Royall et al. 1993)
Beck Depression Inventory (BDI) (Beck et al. 1961)	Family Apgar (Smilkstein 1978)
Behavior Dyscontrol Scale (BDS) (Grigsby & Kaye 1996)	FICSIT Quality of Life Measure (Kutner et al. 1992)
Blaylock Risk Assessment Screen (BRASS) (Blaylock & Cason 1992)	FROMAJE Mental Status Guide (Doyle et al. 1986)
Blessed Dementia Score (Blessed, Tomlinson & Roth 1968)	Functional Activities Questionnaire (Pfeffer et al. 1984)
Braden Scale for Predicting Risk of Pressure Ulcers (Bergstrom et al. 1987)	Functional Assessment Staging of Alzheimer's Disease (FAST) (Reisberg et al. 1985)
Brief Cognitive Rating Scale (Reisberg et al. 1983)	Functional Independence Measure (FIM) (Granger et al. 1993)
Brief Psychiatric Rating Scale (Overall & Gorham 1962)	Functional Rating Scale for the Symptoms of Dementia (Hutton et al. 1985)
Brief Symptom Inventory (BSI) (Granger et al. 1995)	Functional Reach (Duncan et al. 1990)
CAGE (Mayfield, McLeod & Hall 1974)	Functional Status Questionnaire (Jette et al. 1986)
CAMDEX (Hendrie et al. 1988)	General Health Questionnaire (Goldberg 1972)
Canberra Interview for the Elderly (CIE) (Social Psychiatry Research Unit 1992)	Geriatric Depression Scale (GDS) (Yesavage & Brink 1983)
Caregiver Measurement of Burden (Hooyman et al. 1985)	Get Up and Go Test (Mathias, Nayak & Isaacs 1986)
Caregiver Quality of Life Index (CQLI) (Mohide et al. 1988)	Global Deterioration Scale (Reisberg et al. 1982)
Caregiver Strain Index (Robinson 1983)	Goal Attainment Scaling (GAS) (Kiresuk & Sherman 1968)
Center for Epidemiologic Studies-Depression (CES-D) (Radloff 1977)	Goldberg Anxiety & Depression Scale (Goldberg et al. 1988)
Charlson Comorbidity Index (Burns et al. 1995)	Hachinski Ischemic Score (Hachinski et al. 1974)
Chronic Disease Score (Clark et al. 1995)	Haycox Behavioral Scale (Haycox 1984)
Client Satisfaction Survey (Reeder & Chen 1990)	Health Perception, VA ADHC (Hedrick et al. 1993a, 1993b)
Clinical Dementia Rating Scale (CDR) (Morris 1993)	Health Plan Employer Database Information Set (HEDIS) (Corrigan & Nielson 1993)
Clock Drawing Task (Wolf-Klein et al. 1989) (Sunderland et al. 1989)	Health Status Form (HSF) (Greenberg et al. 1988)
Cognitive Capacity Screen (Kaufman et al. 1979)	Health Utilities Index Mark II (HUI:2) (Torrance et al. 1996)
Conflict Tactics Scale (revised) (Pillemer & Finkelhor 1988)	Hierarchical Assessment of Balance and Mobility (MacKnight & Rockwood 1995)
	Home Care Satisfaction Measures (HCSM) (Geron 1997)

TABLE 2C.1: Data Sets Reviewed During OBCQI/COCOA-B Developmental Work. (cont'd)

Home Safety Interview Guide and Checklist (SOCARE)	Moore Functional Dementia Scale (Moore et al. 1983)
Hospice Quality of Life Index (McMillan & Mahon 1994)	National Adult Reading Test (NART) (Nelson & O'Connell 1978)
H-VAS-Horizontal Visual Analogue Scale (Revill et al. 1976; Huskisson 1982)	Non-VA Utilization Questionnaire, GEM, VAMC Albany (Toseland et al. 1996)
Indicators of Abuse Screen (IOA) (Reis & Nahmiash 1998)	Norbeck Social Support Questionnaire (Norbeck, Lindsey & Carrieri 1981)
Informant Questionnaire on Cognitive Decline in the Elderly (IQCODE) (Jorm & Jacomb 1989)	Nottingham Extended ADLs Instrument (Nouri & Lincoln 1987)
Information-Memory-Concentration Test (IMC) (Blessed, Tomlinson & Roth 1968)	Nottingham Health Profile (Hunt et al. 1981)
Institutional Health Care Use, GEM, VAMC Albany (Toseland et al. 1996)	Number Rating Scale (NRS) (Wewers & Lowe 1990)
Jette's Functional Status Index (Jette 1980)	Numeric Rating Scale (for pain) (Kittelberger, LeBel & Borsook 1996)
Katz Index of ADLs (Katz et al. 1963)	Nursing Home Certification (NHC) (Greenlick et al. 1988)
Kokmen Short Test of Mental Status (Kokmen, Naessens & Offord 1987)	Nutrition Screening Initiative (Washington, DC)
Lawton and Brody IADL Scale (Lawton & Brody 1969)	Nutritional Risk Index (Chavez, Coulston & Foerster 1988)
London Psychogeriatric Rating Scale (LPRS) (Hersch, Csapo & Palmer 1978)	Older Americans Research and Services (OARS) (Duke University 1978a, 1978b)
Longitudinal Study on Aging (Fitti & Kovar 1987)	Older Americans Resource Service-IADL (OARS-IADL) (Fillenbaum 1985)
Lubben Social Network Scale (Lubben 1988)	Oral Health-Related Quality of Life (Kressin et al. 1996)
Mattis Dementia Rating Scale (Mattis 1976)	Orientation-Memory-Concentration Test (OMC) (Katzman et al. 1983)
McGill Pain Questionnaire (Melzack 1975)	Outcome and Assessment Information Set (OASIS) (Shaughnessy, Crisler & Schlenker 1995)
McGill Pain Scale (Granger et al. 1995)	Outpatient Geriatric Evaluation and Management (GEM), VAMC, Albany (Toseland et al. 1996)
McGill Quality of Life Questionnaire (Cohen et al. 1995)	Outpatient Geriatric Evaluation and Management (GEM), VAMC, Memphis (Burns et al. 1995)
McMaster Quality of Life Scale (Sterkenburg, King & Woodward 1996)	Outpatient Health Care Use, GEM, VAMC Albany (Toseland et al. 1996)
Medical Outcomes Study 6 item version (Sherbourne & Stewart 1991)	Pain Diary (Kittelberger, LeBel & Borsook 1996)
Medical Outcomes Study Short Form 20 (MOS SF-20) (Hedrick et al. 1991)	Pain Thermometer (PT) (Herr & Mobily 1993)
Medical Outcomes Study Short Form 36 (MOS SF-36) (Sherbourne & Stewart 1991)	Parkinson's Disease Quality of Life Questionnaire (de Boer et al. 1996)
Medical Rehabilitation Follow Along (MRFA) (Granger et al. 1995)	Patient Assessment Tool for Home Care, GEM, VAMC (Toseland et al. 1996)
Mental Status Questionnaire (MSQ) (Kahn et al. 1960)	Patient Evaluated Problem Score (Rathbone, Horsley & Goacher 1994)
Mini-Mental Status Examination (MMSE) (Folstein, Folstein & McHugh 1975)	Philadelphia Geriatric Center Morale Scale (Lawton 1975)
Minimum Data Set for Home Care (MDS-HC) (Morris et al. 1996)	Philadelphia Geriatric Center Pain Intensity Scale (Parmalee 1996)
Minimum Data Set for Post Acute Care (MDS-PAC) (Melvin 1998)	Physical Performance Test (PTT) (Reuben & Sui 1990)
Minimum Data Set I (MDS I) (Morris et al. 1990)	Physical Self-Maintenance Scale (Lawton 1971)
Minimum Data Set Plus (MDS+) (Morris et al. 1990)	Physical Signs and Symptoms Scale (PSMS) (Lawton & Brody 1969)
Modified Barthel Index (Granger, Albrecht & Hamilton 1979)	Physician Orders for Life-Sustaining Treatment (POLST) (Tolle et al. 1998)
Modified Mini-Mental Status Examination (3MS) (Lee & Chang 1987)	Problem Behaviors, VA ADHC (Hedrick et al. 1993a, 1993b)
Monroe Geriatric Community Hospital Ambulatory Consultation Services (GACS) (Williams 1987)	

TABLE 2C.1: Data Sets Reviewed During OBCQI/COCOA-B Developmental Work. (cont'd)

Psychogeriatric Dependency Rating Scale (PGDRS) (Wilkinson & Graham-White 1980)	Stokes/Gordon Stress Scale (SGSS) (Stokes & Gordon 1987)
Psychological Distress Scale VA ADHC (Hedrick et al. 1993a, 1993b)	Structured Assessment of Independent Living Skills (SAILS) (Mahurin, DeBettignies & Pirozzola 1991)
Purpose-in-Life Test (Gerwood, LeBlanc & Piazza 1998)	Structured Assessment of Independent Living Skills (SAILS) (Mahurin, DeBettignies & Pirozzola 1991)
Qualcare Scale (Phillips et al. 1990)	Support Services Questionnaire, GEM, VAMC Albany (Toseland et al. 1996)
Quality of Well-being Scale - Self Administered (QWB-SA) (Andresen et al. 1998)	Symptoms Checklist-90 (SCL-90) (Derogatis, Lipman & Covi 1973)
Quality of Well-being Scale (QWB) (Kaplan, Bush & Berry 1976)	Test of Category Fluency (Isaacs & Kennie 1973)
Reintegration to Normal Living Scale (Wood-Dauphinee et al. 1988)	Timed Up and Go (Podsiadlo & Richardson 1991)
Revised Memory and Behavior Problems Checklist (discussed in Gallo et al. 2000)	Tinetti Gait and Balance Scale (Tinetti 1986)
Rinne Test (discussed in Gallo et al. 2000)	Toolkit of Instruments to Measure End of Life Care (Center to Improve Care of the Dying 1997)
Rosow-Breslau Scale (Rosow & Breslau 1966)	Uniform Needs Assessment Instrument (UNAI) (HCFA 1992)
Sandoz Clinical Assessment Geriatric (SCAG) (Venn 1983)	VA Adult Day Health Care (ADHC) (Hedrick et al. 1993a, 1993b)
Satisfaction with Treatment Intensity and Palliation (Hanson et al. 1997)	Values History (Doukas & McCullough 1988)
Schwabach's Test (discussed in Gallo et al. 2000)	VDS-Verbal Description Scale (Melzack & Torgerson 1971)
Self-Report Medication-Taking Scale (Morisky et al. 1986)	Verbal Descriptor Scale (for pain) (Kittelberger, LeBel & Borsook 1996)
Sendra Quality of Life Index (McMillan & Mahon 1994)	Visual Analog Scale (for pain) (Harkins et al. 1994)
Short Geriatric Depression Scale (S-GDS) (Cwikel & Ritchie 1989)	V-VAS-Vertical Visual Analogue Scale (Scott & Huskisson 1979)
Short Portable Mental Status Questionnaire (Pfeiffer 1975)	Washington University Clinical Dementia Rating (Hughes et al. 1982)
Sickness Impact Profile (SIP) (Bergner et al. 1981)	Weber's Test (discussed in Gallo et al. 2000)
SMAF - Functional Autonomy Measurement System (Hebert, Carrier & Bilodeau 1988)	Williams Timed Manual Performance (Williams 1987)
Social Support Scale, VA ADHC (Hedrick et al. 1993a, 1993b)	Winchester Disability Rating Scale (Carpenter & Demopoulos 1990)
Spiritual Involvement and Beliefs Scale (Hatch et al. 1988)	Yale Battery (Lachs et al. 1990)
Spitzer Quality of Life Index (Spitzer et al. 1981)	Zarit Burden Interview (Zarit et al. 1986)
Standardized Mini-Mental Status Examination (SMMSE) (Folstein, Folstein & McHugh 1983)	

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PACE Site Assessments and State Data Reporting Forms (Obtained in 1999)

Independent Living for Seniors
Rochester, NY

Kansas Department of Aging
Topeka, KS

State of Oregon
Department of Human Resources
Senior and Disabled Services Division
Salem, OR

APPENDIX 2D

CONCEPTUAL DOMAINS USED IN OBCQI/COCOA DEVELOPMENTAL WORK

Two separate sets of domains were used during the independent development of the draft OBCQI data set and the draft core comprehensive assessment data set, prior to integration of the two data sets into the single core outcome and comprehensive assessment (COCOA) data set. Once the two draft data sets were integrated into the COCOA data set, the two domain sets also were integrated. Table 2D.1 in this appendix delineates the sets of domains reflected in the draft OBCQI data set, draft core comprehensive assessment data set, integrated COCOA data set, and COCOA-B data set.

TABLE 2D.1: Conceptual Domains Used in OBCQI/COCOA Developmental Work.

<u>Domain</u>	<u>Outcome Indicators</u>	<u>Assessment Elements</u>	<u>Full COCOA</u>	<u>COCOA-B</u>
Functional Status	X	X	X	X
Physiologic Status & Symptom Mgmt	X	X	X	X
Emotional/Mental Health Status	X	X	X	X
Cognitive Functioning	X	X	X	X
Participant Quality of Life/Social Support	X	X	X	X
Caregiver Quality of Life	X		X	X
Home Environment/Living Arrangements		X	X	X
Participant Satisfaction	X		X	X
Caregiver Satisfaction	X		X	X
Knowledge & Adherence ¹	X		X	X
Utilization	X	X	X	X
End of Life	X	X	X	X

¹ Outcome indicators related to participant and informal caregiver knowledge were dropped due to measurement issues identified during empirical testing. Data items to measure adherence remain in the data set.
