

## **APPENDIX 3D**

### **SUPPLEMENTAL CORE COMPREHENSIVE ASSESSMENT ITEMS**

The COCOA data set was substantially reduced in late 2002 to maximize efficiency, minimize burden, and still retain a data set that would be useful for multiple purposes. The reduced version of COCOA, referred to as COCOA-B, was implemented during the systematic field test (SYFT) under this project and subsequently revised based on findings of the SYFT. The revised version of COCOA-B (presented in Appendix 6A) is the data set recommended for quality monitoring and improvement across PACE sites.

This appendix contains the COCOA data items that were not retained in the smaller COCOA-B data set. Because the majority of these items were specified for purposes of core comprehensive assessment (rather than outcome measurement) and could be used to supplement the basic assessment item set composing COCOA-B, the items are referred to as supplemental core comprehensive assessment items. Although these items did not undergo the same extent of empirical testing and resulting revision as did the items retained in COCOA-B, the data items serve as a valuable resource for PACE sites that may be developing or revising site-specific assessment materials. (To create a full core comprehensive assessment data set, the data items in the appendix would need to be integrated conceptually with the data items included in COCOA-B.)

This appendix consists of two components. The first component is Table 3D.1 (Supplemental Core Comprehensive Assessment Data Items: Original Source and Revision History), which lists the data items, documents the original source of each data item, and indicates whether the item has been revised from its original wording. References associated with the item sources also are provided. The set of supplemental core comprehensive assessment data items is presented following the table.

**TABLE 3D.1: Supplemental Core Comprehensive Assessment Data Items: Original Source and Revision History.<sup>a</sup>**

	DO# <sup>b</sup>	Item Name	Item Source <sup>c</sup>	Modified <sup>d</sup>
		<b>DEMOGRAPHIC INFORMATION</b>		
1.	D0050	Participant Address	New	
2.	D0060	Participant Phone Number	New	
3.	D0170	Children	Independent Living for Seniors	X
4.	D0180	Primary Contact Person	New	
5.	D0190	Secondary Contact Person	New	
6.	D0200	Next of Kin/Closest Relative	New	
7.	D0130	Work History	Henry Ford Center for Senior Independence	X
8.	D0110	Citizenship	New	
9.	D0150_3	Reading Ability in Primary Language	Independent Living for Seniors	X
10.	D0230	Source of Referral	DataPACE (On Lok, 1993)	
11.	D0100	Birthplace	New	
12.	D0280	Legal Status	New	
13.	D0165	Additional Comments Regarding Participant History	New	
14.	D0450	Cultural/Religious Affiliation	New	
15.	D0460	Religious/Spiritual Affiliation	Henry Ford Center for Senior Independence	X
16.	D0470	Religious or Spiritual Activities/Services	State of Florida	X
		<b>INFORMAL SUPPORT</b>		
17.	D0290	Informal Caregiver Information	DataPACE (On Lok, 1993)	X
18.	D0300	Caregiver Relationship to Participant	DataPACE (On Lok, 1993)	
19.	D0310	Caregiver Managing Care (a-c)	State of Florida	X
20.	D0320	Caregiver Willingness and Ability to Provide Care	Commonwealth of Massachusetts	X
21.	D0340	Type of Care Provided	DataPACE (On Lok, 1993)	X
		<b>HOME ENVIRONMENT/LIVING ARRANGEMENTS</b>		
22.	D0350	Sanitation Hazards	OASIS (Shaughnessy et al., 1995)	
23.	D0360	Kitchen Safety	New	
24.	D0380	Caregiver Knowledge of What to Do in an Emergency	New	
25.	D0705	Additional Caregiver Comments or Concerns	New	
26.	D0390	Participant's Ability to Respond in an Emergency	New	
27.	D0400	Telephone Access	New	
28.	D0410	Pets in Home	New	
29.	D0375	Ramp	New	
30.	D0420	Firearms in Home	Narayan & Tennant, 1997	X
31.	D0430	Special Equipment/Assistive Devices	State of Florida	X
		<b>PARTICIPANT QUALITY OF LIFE</b>		
32.	D0440	Participant Goals Related to Health	Independent Living for Seniors	X
33.	D0480	Social Activities (Frequency)	Independent Living for Seniors	X
34.	D0535	Participant's Current Activity Involvement at Day Health Center	Independent Living for Seniors	X
35.	D0510	Participant Leisure Activities	New	
36.	D0540	Participant Preferences	Independent Living for Seniors	X
37.	D0550	Talking or Interacting with Other Participants	New	
38.	D0560	Like the Activities	New	
39.	D0570	Change Your Activities	New	
40.	D0580	Benefit by Increasing or Decreasing Involvement in Activities	New	
41.	D0590	Benefit from Increasing or Decreasing Interaction with Others	New	
42.	D0660	Description of Family Relationships/Support Systems	Comprehensive Care Management	
43.	D0620	Satisfaction with Living Situation	New	
44.	D0630	Worry About Support	New	
45.	D0600	Social Behavior	Independent Living for Seniors	X
46.	D0670	Provider Suspicion of Participant Abuse	State of Oregon	X

**TABLE 3D.1: Supplemental Core Comprehensive Assessment Data Items: Original Source and Revision History.<sup>a</sup> (Cont'd)**

	DO# <sup>b</sup>	Item Name	Item Source <sup>c</sup>	Modified <sup>d</sup>
		<b>SATISFACTION WITH CARE</b>		
47.	D0710	Participant Expectations of Program	Community Care for the Elderly	
48.	D0890	Caregiver Expectations of Program	Community Care for the Elderly	
		<b>END OF LIFE CARE</b>		
49.	D0980	Wishes for Health Care	New	
50.	D0990	Participant/Caregiver Conflict	New	
51.	D1000	Funeral Arrangements/Plans	New	
52.	D1010	Wishes/Plans for Medical Care at End of Life	CICD Toolkit	
53.	D1020	Provider Discussion of Wishes/Plans	CICD Toolkit	X
54.	D1030	Provider Plan Ensuring Wishes Followed	CICD Toolkit	X
55.	D1050	Preferred Treatment Course at End of Life	CICD Toolkit	X
56.	D1070	Last Week of Life Pain Control	CICD Toolkit	X
57.	D1080	Last Week of Life Wait for Pain Control	CICD Toolkit	X
58.	D1100	Last Week of Life Staff Efforts to Control Other Symptoms	CICD Toolkit	X
59.	D1110	Last Week of Life Severity of Pain and Other Symptoms	CICD Toolkit	X
60.	D1120	Last Week of Life Participant Pain Medications	New	
61.	D1130	Last Week of Life Difficulty with Emotional Symptoms/Problems	CICD Toolkit	X
		<b>COGNITIVE FUNCTIONING</b>		
62.	D1140	Recent Memory	New	
63.	D1150	Remote Memory	Providence Elder Place	X
64.	D1160	Ability to Sustain Attention	New	
65.	D1170	Reasoning	New	
66.	D1190	Awareness of Own Needs	State of Oregon	
67.	D1200	Behavioral Dyscontrol Scale	Behavioral Dyscontrol Scale (Grigsby & Kaye, 1996)	subset
68.	D1220	Awareness of Illness	New	
69.	D1230	Speech	Independent Living for Seniors	X
		<b>PHYSIOLOGIC STATUS AND SYMPTOM MANAGEMENT</b>		
70.	D1320	Participant's Current Health Concerns	Community Care for the Elderly	
71.	D1330	Allergies	State of Connecticut	
72.	D1340	Medications	Kansas Department of Aging	X
73.	D1350	Tobacco Use/Abuse	State of Florida	X
74.	D1360	Alcohol Use/Abuse	AUDIT (Babor & Grant, 1989)	X
75.	D1370	Medical History	New	
76.	D1390	Appearance	Sutter SeniorCare; Kansas Department of Aging	
77.	D1400	a. Personal Hygiene Affecting Socialization	New	
		b. Personal Hygiene Affecting Health	New	
78.	D1420	Weight Gained/Lost	Independent Living for Seniors	X
79.	D1430	Vital Signs	Independent Living for Seniors	
80.	D1440	Exercise/Activity Level	New	
81.	D1460	Chest Pains	Comprehensive Care Management	X
82.	D1480	Pulses	Palmetto SeniorCare	
83.	D1490	Lung Sounds	Independent Living for Seniors	
84.	D1510	Cough	Comprehensive Care Management	
85.	D1520	Sexuality or Sexual Activity	New	
86.	D1530	Bowel Function	Comprehensive Care Management	X
87.	D1550	Urinary Problems	Palmetto SeniorCare	X
88.	D1560	Skin Condition	New	
89.	D1570	Skin	Independent Living for Seniors	
90.	D1620	a. Oral Status and Disease Prevention	Minimum Data Set (Hawes et al., 1995)	X
		b. Dental Visits	Minimum Data Set (Hawes et al., 1995)	X

**TABLE 3D.1: Supplemental Core Comprehensive Assessment Data Items: Original Source and Revision History.<sup>a</sup> (Cont'd)**

	<b>DO#<sup>b</sup></b>	<b>Item Name</b>	<b>Item Source<sup>c</sup></b>	<b>Modified<sup>d</sup></b>
91.	D1650	a. Participant Response: Pain Interfering with Daily Activities	OASIS (Shaughnessy et al., 1995)	X
		b. Participant Response: Severity of Pain	OASIS (Shaughnessy et al., 1995)	X
92.	D1670	Caregiver Observed Pain Interfering with Daily Activities	OASIS (Shaughnessy et al., 1995)	X
93.	D1630	Pain Experienced by Participant	New	
94.	D1680	Physical Symptoms Other Than Pain	Sterkenburg et al., 1996	X
95.	D1690	Sleep Behaviors	Community Care for the Elderly	X
96.	D1720	Joint Deformity and Stiffness	New	
97.	D1700	Spinal Impairment/Posture	New	
98.	D1710	a. Upper/Lower Extremity Strength	Jarvis, 1996	X
		b. Range of Motion	Palmetto SeniorCare	X
99.	D1730	Fall Risk	Funk, 1992	X
100.	D1770	Nutritional Risk	Providence Elder Place	X
101.	D1750	Typical Diet	State of Florida	
102.	D1740	Special Diet	Kansas Department of Aging	X
103.	D1780	Restraints	New	
		<b>FUNCTIONAL STATUS</b>		
104.	D1790	a. Participant Move	New	
		b. Move for Purpose of Change in Level of Supervision or Assistance	New	
		c. Reason - Other	New	
105.	D1800	Tinetti Balance Evaluation	Tinetti et al., 1986	
106.	D1810	Tinetti Gait Evaluation	Tinetti et al., 1986	
107.	D1850	Assistance with Transferring	New	
108.	D1940	Heavy Chores	DataPACE (On Lok, 1993)	X
109.	D1980	a. Management of Inhalant/Mist Medications	OASIS (Shaughnessy et al., 1995)	
		b. Management of Injectable Medications	OASIS (Shaughnessy et al., 1995)	
110.	D2000	Transportation Needs	OARS (Duke University, 1978)	X
111.	D1820	Fine Motor Skills	New	
112.	D2010	Managing Finances	State of Oregon	X
113.	D0595	a. Functional Impairments or Other Factors	New	
		b. Assistive/Adaptive Devices or Human Assistance Needed	New	
		<b>EMOTIONAL/MENTAL HEALTH STATUS</b>		
114.	D2020	a. Chronic Mental/Emotional Condition	New	
		b. Acute Mental/Emotional Condition	New	
115.	D2030	Interval Mental Health History	New	
116.	D2040	Mood	Sutter SeniorCare	X
117.	D2050	Provider Perceived Affect	Kansas Department of Aging	X
118.	D2060	Severity of Anxiety	New	
119.	D2070	Geriatric Depression Scale	Geriatric Depression Scale (Sheikh and Yesavage, 1986)	
120.	D2085	Caregiver Observed Depression or Depressive Symptoms	OASIS (Shaughnessy et al., 1995)	X
		<b>KNOWLEDGE AND ADHERENCE</b>		
121.	D2130	a. Responsibility for Participant Medications	New	
		b. Participant Adherence	Morisky et al., 1986	X
		c. Caregiver Facilitation of Medication Adherence	New	
		d. Caregiver Adherence - Forget	Morisky et al., 1986	X
		e. Caregiver Adherence - Other Reason	Morisky et al., 1986	X
		<b>UTILIZATION</b>		
122.	D2250	Attended DHC <sup>e</sup>	DataPACE (On Lok, 1993)	
123.	D2260	One-Way Trips-DHC	DataPACE (On Lok, 1993)	
124.	D2270	One-Way Trips-Other	DataPACE (On Lok, 1993)	
125.	D2280	One-Way Trips-Escort	DataPACE (On Lok, 1993)	
126.	D2290	Meals in DHC	DataPACE (On Lok, 1993)	
127.	D2300	Program Physician in DHC	DataPACE (On Lok, 1993)	

**TABLE 3D.1: Supplemental Core Comprehensive Assessment Data Items: Original Source and Revision History.<sup>a</sup> (Cont'd)**

	<b>DO#<sup>b</sup></b>	<b>Item Name</b>	<b>Item Source<sup>c</sup></b>	<b>Modified<sup>d</sup></b>
128.	D2310	Nurse Practitioner in DHC	DataPACE (On Lok, 1993)	
129.	D2320	Nursing-Routine or Episodic in DHC	DataPACE (On Lok, 1993)	X
130.	D2330	Social Work-Individual or Group in DHC	DataPACE (On Lok, 1993)	X
131.	D2340	Physical Therapy in DHC	DataPACE (On Lok, 1993)	
132.	D2350	Occupational Therapy in DHC	DataPACE (On Lok, 1993)	
133.	D2360	Speech Therapy in DHC	DataPACE (On Lok, 1993)	
134.	D2370	Rec. Therapy-Individual in DHC	DataPACE (On Lok, 1993)	
135.	D2380	Rec. Therapy-Group in DHC	DataPACE (On Lok, 1993)	
136.	D2390	Dietary/Nutr. Counseling in DHC	DataPACE (On Lok, 1993)	
137.	D2400	Personal Care/Chore Services in DHC	DataPACE (On Lok, 1993)	X
138.	D2410	Physician In Home or Inpatient Facility	DataPACE (On Lok, 1993)	X
139.	D2420	Nurse Practitioner In Home or Inpatient Facility	DataPACE (On Lok, 1993)	X
140.	D2430	Nursing In Home or Inpatient Facility	DataPACE (On Lok, 1993)	X
141.	D2440	Social Work In Home or Inpatient Facility	DataPACE (On Lok, 1993)	X
142.	D2450	Physical Therapy In Home or Inpatient Facility	DataPACE (On Lok, 1993)	X
143.	D2460	Occupational Therapy In Home or Inpatient Facility	DataPACE (On Lok, 1993)	X
144.	D2470	Speech Therapy In Home or Inpatient Facility	DataPACE (On Lok, 1993)	X
145.	D2480	Personal Care/Home Chore In Home or Inpatient Facility	DataPACE (On Lok, 1993)	X
146.	D2490	Home-Delivered or Portable Meals	DataPACE (On Lok, 1993)	
147.	D2500	Overnight Supervision in Group Home	DataPACE (On Lok, 1993)	
148.	D2510	Overnight Supervision <u>Not</u> in Group Home	DataPACE (On Lok, 1993)	
149.	D2520	Nontransitional, Permanent Program Housing	DataPACE (On Lok, 1993)	X
150.	D2160	Emergency Room Episode	DataPACE (On Lok, 1993)	

<sup>a</sup> The data items listed in this table are those that were not retained in the COCOA-B data set prior to the systematic field test.

<sup>b</sup> DO# refers to the unique identifier assigned to each data item in the draft COCOA data set. (The data items retained for COCOA-B were assigned a new unique identifier, or "C0" number.)

<sup>c</sup> References for the data item sources are listed following this table.

<sup>d</sup> This column is marked with an "X" if the wording of the data item has been modified from its original form.

<sup>e</sup> DHC refers to the Day Health Center at PACE sites.

## REFERENCES FOR TABLE 3D.1

### **PACE Site Assessments (Obtained from sites in 1999)**

Community Care for the Elderly  
Milwaukee, WI (D0710, D0890, D1320, D1690)

Comprehensive Care Management  
Bronx, NY (D0660, D1460, D1510, D1530)

Henry Ford Center for Senior Independence  
Detroit, MI (D0130, D0460)

Independent Living for Seniors  
Rochester, NY (D0150\_3, D0170, D0440, D0480, D0535, D0540, D0600,  
D1230, D1420, D1430, D1490, D1570)

Palmetto Senior Care  
Columbia, SC (D1480, D1550, D1710b)

Providence Elder Place  
Portland, OR (D1150, D1770)

Sutter SeniorCare  
Sacramento, CA (D1390, D2040)

### **State Data Reporting Forms**

State of Connecticut  
Department of Social Services  
Hartford, CT (D1330)

State of Florida  
Agency for Health Care Administration  
Tallahassee, FL (D0310, D0430, D0470, D1350, D1750)

Kansas Department of Aging  
Topeka, KS (D1340, D1390, D1740, D2050)

The Commonwealth of Massachusetts  
Office of Health and Human Services  
Division of Medical Assistance  
Boston, MA (D0320)

State of Oregon  
Department of Human Resources  
Senior and Disabled Services Division  
Salem, OR (D0670, D1190, D2010)

Note: The bold numbers following each reference correspond to data item identifiers on Table 3D.1.

## **References from the Literature**

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- Center to Improve Care for the Dying (CICD), George Washington University. Toolkit of Instruments to Measure End of Life Care. Instruments obtained from <http://www.gwu.edu/~cicd>, Fall 1998. (D1010, D1020, D1030, D1050, D1070, D1080, D1100, D1110, D1130)
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- Jarvis C (1996). *Physical Examination and Health Assessment*, 2nd Edition (p. 641). Philadelphia, PA: Saunders. (D1710)
- Morisky DE, LW Green & DM Levine (1986). Concurrent and predictive validity of a self-reported measure of medication adherence. *Medical Care*, 24(1):67-74. (D2130b,d,e)
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- Shaughnessy PW, KS Crisler & RE Schlenker (1995). *Medicare's OASIS: Standardized Outcome and Assessment Information Set for home health care*. Distributed by the National Association for Home Care. (D0350, D1650, D1670, D1980, D2085)
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- Tinetti ME, TF Williams & R Mayewski (1986). Fall Risk Index for elderly patients based on number of chronic disabilities. *American Journal of Medicine*, 80:429-34. **(D1800, D1810)**
- Ware JE & CD Sherbourne (1992). The MOS 36-item Short-Form health survey (SF-36): Conceptual framework and item selection. *Medical Care*, 30(6):473-483. **(D1830)**