

## **APPENDIX 3C**

### **RELIABILITY STATISTICS FOR THE COCOA DATA SET**

Reliability statistics for all quantitative data items evaluated during the COCOA reliability test phase of the project are presented in this appendix. Four measures of interrater reliability were calculated: percent agreement, Cohen's kappa without weighting, weighted kappa, and Pearson's correlation. For a few COCOA data items, the item variance for the reliability cases was zero for one or both raters, meaning that all participants were assessed as falling into a single category on that item. The kappa coefficient is undefined under these conditions, so percent agreement alone is reported when variability was present for at least one rater. If item variance for the reliability cases was zero for both raters, then no reliability statistics were computed. In addition to these cases where the item variance is zero for one or both raters, the percent agreement statistic alone is reported when more than 95% of cases for both raters fell into a single category since kappa coefficient may be rather unstable and, therefore, misleading when an item has a highly skewed distribution.

**TABLE 3C.1: Agreement Statistics for Selected Items on the Intake Form.<sup>a</sup>**

<b>COCOA ITEM</b>	<b>Number of Categories</b>	<b>No. of Valid Pairs of Data</b>	<b>Percent Agreement</b>	<b>Expected % Agreement</b>	<b>Nominal Kappa</b>	<b>Weighted Kappa</b>	<b>Pearson Correlation</b>
INT4: PACE Enrollment Date	--	48	97.92%	--	--	--	--
INT6: Gender	2	47	95.74%	59.98%	0.8937	0.8937	0.8937
INT7: Date of Birth	--	45	88.22%	--	--	--	--
INT11b: Medicare Entitlement	3	41	97.56%	92.86%	0.6583	0.8852	0.8922
INT11d: Medicaid Eligibility	2	36	80.56%	49.07%	0.6182	0.6182	0.6425
INT10: Participant Race -							
American Indian	2	47	97.87%	97.87%	--	--	--
Asian	1	47	100.00%	100.00%	--	--	--
Black or African-American	2	47	100.00%	51.83%	1.0000	1.0000	1.0000
Hispanic or Latino(a)	2	47	100.00%	71.75%	1.0000	1.0000	1.0000
Native Hawaiian or Pacific Islander	1	47	100.00%	100.00%	--	--	--
White	2	47	97.87%	51.43%	0.9562	0.9562	0.9571
Unknown	1	47	100.00%	100.00%	--	--	--
INT15: Inpatient Facilities -							
Hospital	2	43	90.70%	91.13%	-0.0488	-0.0488	-0.0488
Rehabilitation facility	1	43	100.00%	100.00%	--	--	--
Skilled nursing home	2	42	92.86%	92.86%	--	--	--
Other nursing home	2	43	100.00%	95.46%	1.0000	1.0000	1.0000
Other	2	43	97.67%	97.67%	--	--	--
Other (specify)							
NA	2	43	81.40%	79.34%	0.0995	0.0995	0.1021
INT16: Services Prior to Enrollment -							
Adult day care center	1	36	100.00%	100.00%	--	--	--
Senior Center	2	36	97.22%	97.22%	--	--	--
Nursing home	2	36	100.00%	72.22%	1.0000	1.0000	1.0000
Acute care hospital	2	36	100.00%	89.51%	1.0000	1.0000	1.0000
Home health care	2	36	88.89%	55.56%	0.7500	0.7500	0.7500
Personal care in home	2	36	88.89%	80.09%	0.4419	0.4419	0.4601
Home chore services	2	36	88.89%	80.25%	0.4375	0.4375	0.4375
Congregate or portable meals	2	36	94.44%	72.07%	0.8011	0.8011	0.8174

<sup>a</sup> Analyses based on 48 Intake pairs. Valid data pairs consist of those data points for which both care providers coded a valid response for the COCOA item.

**TABLE 3C.2: Agreement Statistics for Selected Items on the Home Environment Assessment Form.<sup>a</sup>**

<u>COCOA ITEM</u>	<u>Number of Categories</u>	<u>No. of Valid Pairs of Data</u>	<u>Percent Agreement</u>	<u>Expected % Agreement</u>	<u>Nominal Kappa</u>	<u>Weighted Kappa</u>	<u>Pearson Correlation</u>
HEA5: Structural Barriers -							
None	2	59	74.58%	50.22%	0.4893	0.4893	0.4896
Stairs from inside to outside	2	59	93.22%	81.73%	0.6289	0.6289	0.6289
Stairs in home that must be used	2	59	83.05%	65.41%	0.5100	0.5100	0.5201
Stairs in home that are optional	2	59	79.66%	55.19%	0.5462	0.5462	0.5462
Narrow or obstructed doorways	2	59	83.05%	84.43%	-0.0886	-0.0886	-0.0907
Narrow or obstructed walkways	2	59	93.22%	93.45%	-0.0351	-0.0351	-0.0351
Other	2	59	94.92%	91.87%	0.3746	0.3746	0.3830
HEA8a: Safety Hazards -							
None	2	57	50.88%	48.85%	0.0397	0.0397	0.0453
Inadequate floor, roof, or windows	2	57	94.74%	--	--	--	--
Inadequate lighting	2	57	87.72%	82.43%	0.3012	0.3012	0.3157
Unsafe gas/electric appliance	2	57	98.25%	--	--	--	--
Inadequate heating	1	57	--	--	--	--	--
Inadequate cooling	2	57	92.98%	93.23%	-0.0364	-0.0364	-0.0364
Lack of fire safety devices	2	57	84.21%	85.44%	-0.0846	-0.0846	-0.0852
Unsafe floor coverings	2	57	66.67%	66.54%	0.0037	0.0037	0.0042
Inadequate stairs or stair railings	2	57	96.49%	89.97%	0.6503	0.6503	0.6941
Lack of security locks on doors and windows	2	57	98.25%	--	--	--	--
Electrical cords improperly placed	2	57	94.74%	91.60%	0.3736	0.3736	0.3820
Other	2	57	80.70%	79.41%	0.0628	0.0628	0.0694

<sup>a</sup> Analyses based on 59 Home Environment Assessment pairs. Valid data pairs consist of those data points for which both care providers coded a valid response for the COCOA item.

**TABLE 3C.3: Agreement Statistics for Selected Items on the Primary Care Provider Form.<sup>a</sup>**

<b>COCOA ITEM</b>	<b>Number of Categories</b>	<b>No. of Valid Pairs of Data</b>	<b>Percent Agreement</b>	<b>Expected % Agreement</b>	<b>Nominal Kappa</b>	<b>Weighted Kappa</b>	<b>Pearson Correlation</b>
<b>PHYSIOLOGIC STATUS AND SYMPTOM MANAGEMENT</b>							
PCP5: Participant's Current Health Concerns	2	66	72.73%	50.37%	0.4505	0.4505	0.4514
PCP7: Allergies - Drug related	2	67	88.06%	56.96%	0.7226	0.7226	0.7226
Food related	2	67	92.54%	90.09%	0.2472	0.2472	0.2500
Environmental	2	67	98.51%	98.51%	0.0000	0.0000	-99.0000
Seasonal	2	67	94.03%	94.16%	-0.0229	-0.0229	-0.0267
None	2	67	83.58%	53.60%	0.6462	0.6462	0.6465
PCP8: Tobacco Use/Abuse -							
Currently	2	71	98.59%	93.20%	0.7930	0.7930	0.8106
Participant smokes	2	71	98.59%	93.20%	0.7930	0.7930	0.8106
Participant chews	1	71	--	--	--	--	--
Consideration of cessation	2	2	--	--	--	--	--
Staff concern for careless smoking	2	2	--	--	--	--	--
Ever	2	66	89.39%	50.00%	0.7879	0.7879	0.7912
PCP9: Alcohol Use/Abuse -							
Weekly/monthly	3	67	95.52%	72.47%	0.8374	0.8387	0.8448
Daily	2	8	87.50%	68.75%	0.6000	0.6000	0.6547
Suspected dependency/abuse	2	68	100.00%	97.10%	1.0000	1.0000	1.0000
History of abuse	2	66	93.94%	86.00%	0.5672	0.5672	0.5672
PCP10: No Pain Experienced by Participant	2	71	78.87%	50.11%	0.5765	0.5765	0.5824
PCP10: Pain in First Location Controlled by Medication	2	24	87.50%	81.25%	0.3333	0.3333	0.3419
PCP10: Pain in Second Location Controlled by Medication	1	4	--	--	--	--	--
PCP11: Pain Rating	9	20	75.00%	14.50%	0.7076	0.7253	0.6769
PCP12: Pain Interfering with Daily Activities	4	24	62.50%	37.15%	0.4033	0.4383	0.4958
PCP12: Frequency of Pain	3	24	70.83%	41.15%	0.5044	0.5692	0.6601
PCP12: Intractable Pain	2	23	82.61%	77.32%	0.2333	0.2333	0.2333
PCP13: Pain Management Satisfaction -							
Staff attention to pain control (past)	2	22	90.91%	--	--	--	--
Wait for pain medication	2	20	90.00%	--	--	--	--
Staff attention to pain control (current)	2	22	86.36%	73.14%	0.4923	0.4923	0.4995
Staff attention to comfort	2	54	94.44%	94.58%	-0.0253	-0.0253	-0.0269
PCP15: Diarrhea or Watery Bowel Movement	2	70	90.00%	85.27%	0.3213	0.3213	0.3674
PCP15: Constipated	2	68	83.82%	58.82%	0.6071	0.6071	0.6171
PCP15: Change in Bowel Habits	2	67	88.06%	86.14%	0.1383	0.1383	0.1416
PCP15: Use of Laxatives	2	69	81.16%	54.19%	0.5887	0.5887	0.5890
PCP16: Bowel Incontinence Frequency	5	65	80.00%	67.34%	0.3877	0.5191	0.6367

**TABLE 3C.3: Agreement Statistics for Selected Items on the Primary Care Provider Form.<sup>a</sup> (Cont'd)**

<b>COCOA ITEM</b>	<b>Number of Categories</b>	<b>No. of Valid Pairs of Data</b>	<b>Percent Agreement</b>	<b>Expected % Agreement</b>	<b>Nominal Kappa</b>	<b>Weighted Kappa</b>	<b>Pearson Correlation</b>
PCP17: Urinary problems - None	2	67	65.67%	49.94%	0.3142	0.3142	0.3155
UTIs	2	67	98.51%	--	--	--	--
Frequency	2	67	82.09%	68.68%	0.4282	0.4282	0.4301
Nocturia	2	67	70.15%	52.33%	0.3738	0.3738	0.3768
Hematuria	2	67	98.51%	--	--	--	--
Dysuria	2	67	100.00%	94.21%	1.0000	1.0000	1.0000
Urgency	2	67	68.66%	60.01%	0.2162	0.2162	0.2163
Decreased stream	2	67	94.03%	88.77%	0.4683	0.4683	0.4683
Dribbling	2	67	91.04%	86.14%	0.3537	0.3537	0.3622
PCP17: Bladder Continence	5	69	47.83%	27.62%	0.2792	0.4681	0.6017
PCP17: Time When Urinary Incontinence Occurs	3	29	58.62%	51.72%	0.1429	0.1031	0.0768
PCP18: Sexuality or Sexual Activity	2	58	96.55%	--	--	--	--
PCP19: Skin Condition - None	2	62	62.90%	49.79%	0.2611	0.2611	0.2646
Lesions	2	62	72.58%	67.17%	0.1648	0.1648	0.1755
Bruises	2	62	91.94%	86.52%	0.4015	0.4015	0.4045
Masses	2	63	98.41%	--	--	--	--
Scars	2	63	76.19%	55.48%	0.4652	0.4652	0.4804
Stasis ulcers	2	62	98.39%	95.27%	0.6593	0.6593	0.7013
Pressure ulcers	2	62	98.39%	89.33%	0.8488	0.8488	0.8587
Incisions	2	62	95.16%	92.14%	0.3841	0.3841	0.4875
Other	2	61	78.69%	73.69%	0.1900	0.1900	0.1904
PCP20: Skin Color	3	69	97.10%	95.69%	0.3268	0.3930	0.7019
PCP20: Skin Temperature	2	66	90.91%	91.32%	-0.0476	-0.0476	-0.0476
PCP20: Skin Condition	1	60	--	--	--	--	--
PCP21: Surgical Wound	2	70	88.57%	79.76%	0.4355	0.4355	0.4355
PCP21: Number of Surgical Wounds	1	3	--	--	--	--	--
PCP21: Non-Observable Surgical Wound	1	2	--	--	--	--	--
PCP21: Status of Most Problematic Surgical Wound	--	0	--	--	--	--	--
PCP22: Pressure Ulcer	2	71	97.18%	89.37%	0.7351	0.7351	0.7351
PCP22: Number of Pressure Ulcers - Stage 1	2	2	--	--	--	--	--
Stage 2	4	3	33.33%	22.22%	0.1429	0.0000	0.0000
Stage 3	--	0	--	--	--	--	--
Stage 4	--	0	--	--	--	--	--
PCP22: Non-observable Pressure Ulcer	--	0	--	--	--	--	--
PCP22: Stage of Most Problematic Pressure Ulcer	2	3	100.00%	55.56%	1.0000	1.0000	1.0000
PCP22: Status of Most Problematic Pressure Ulcer	2	2	--	--	--	--	--
PCP23: Stasis Ulcer	2	70	97.14%	94.41%	0.4891	0.4891	0.5689
PCP23: Number of Stasis Ulcers	--	0	--	--	--	--	--
PCP23: Non-observable Pressure Ulcer	--	0	--	--	--	--	--
PCP23: Status of Most Problematic Stasis Ulcer	--	0	--	--	--	--	--

**TABLE 3C.3: Agreement Statistics for Selected Items on the Primary Care Provider Form.<sup>a</sup> (Cont'd)**

<b>COCOA ITEM</b>	<b>Number of Categories</b>	<b>No. of Valid Pairs of Data</b>	<b>Percent Agreement</b>	<b>Expected % Agreement</b>	<b>Nominal Kappa</b>	<b>Weighted Kappa</b>	<b>Pearson Correlation</b>
PCP24: Vision	3	69	71.01%	48.02%	0.4424	0.4403	0.4450
PCP25: Hearing	2	70	85.71%	69.76%	0.5277	0.5277	0.5277
PCP26: Oral status -							
Debris	2	71	98.59%	--	--	--	--
Dentures	2	71	87.32%	55.70%	0.7138	0.7138	0.7142
Teeth lost	2	71	66.20%	63.54%	0.0729	0.0729	0.0731
Broken, loose or carious teeth	2	71	94.37%	94.49%	-0.0216	-0.0216	-0.0251
Inflamed gums	2	71	97.18%	--	--	--	--
Daily cleaning	2	71	70.42%	58.92%	0.2801	0.2801	0.2802
None of the above	2	71	91.55%	86.55%	0.3717	0.3717	0.4778
PCP26: Dental Visits	2	62	77.42%	58.74%	0.4527	0.4527	0.4541
PCP27: Right Lung - Clear	2	68	95.59%	90.22%	0.5487	0.5487	0.5550
Rhonchi	1	67	--	--	--	--	--
Crackles	2	67	97.01%	94.16%	0.4885	0.4885	0.5685
Diminished	2	67	95.52%	95.52%	0.0000	0.0000	-99.0000
Wheezing	2	67	100.00%	97.06%	1.0000	1.0000	1.0000
PCP27: Left Lung - Clear	2	67	92.54%	92.80%	-0.0372	-0.0372	-0.0380
Rhonchi	1	66	--	--	--	--	--
Crackles	2	66	95.45%	95.55%	-0.0206	-0.0206	-0.0219
Diminished	2	65	96.92%	93.99%	0.4882	0.4882	0.5683
Wheezing	2	66	98.48%	98.48%	0.0000	0.0000	-99.0000
PCP28: Cough	2	70	85.71%	63.18%	0.6120	0.6120	0.6138
PCP28: Cough - Productivity	2	12	66.67%	50.00%	0.3333	0.3333	0.4472
PCP29: Dyspnea	5	70	74.29%	59.47%	0.3656	0.4767	0.6395
PCP31: Chest Pains	2	64	87.50%	80.32%	0.3648	0.3648	0.3847
PCP31: Chest Pain Severity	3	3	100.00%	33.33%	1.0000	1.0000	1.0000
PCP31: Chest Pain Information Could Not Be Obtained Due to Cognitive Impairment	1	3	--	--	--	--	--
PCP33: Spinal Impairment/Posture - Cervical	2	62	62.90%	50.62%	0.2487	0.2487	0.2665
Thoracic	2	61	60.66%	51.41%	0.1903	0.1903	0.1976
Lumbar	2	60	63.33%	50.61%	0.2576	0.2576	0.2736
PCP34: Joint Deformity/Stiffness -							
Right shoulder	2	65	72.31%	66.20%	0.1807	0.1807	0.1807
Right neck	2	62	74.19%	66.65%	0.2262	0.2262	0.2306
Right elbow	2	65	84.62%	83.20%	0.0845	0.0845	0.0860
Right wrist	2	62	85.48%	86.52%	-0.0772	-0.0772	-0.0778
Right fingers	2	65	83.08%	77.25%	0.2560	0.2560	0.2566
Right back	2	62	88.71%	78.62%	0.4720	0.4720	0.4846
Right hip	2	65	83.08%	77.25%	0.2560	0.2560	0.2566
Right knee	2	62	82.26%	75.70%	0.2698	0.2698	0.3047
Right ankle	2	65	75.38%	63.74%	0.3211	0.3211	0.3414
Right toes	2	62	75.81%	59.89%	0.3969	0.3969	0.4257
Left shoulder	2	65	81.54%	80.78%	0.0394	0.0394	0.0394

**TABLE 3C.3: Agreement Statistics for Selected Items on the Primary Care Provider Form.<sup>a</sup> (Cont'd)**

<b>COCOA ITEM</b>	<b>Number of Categories</b>	<b>No. of Valid Pairs of Data</b>	<b>Percent Agreement</b>	<b>Expected % Agreement</b>	<b>Nominal Kappa</b>	<b>Weighted Kappa</b>	<b>Pearson Correlation</b>
Left neck	2	61	85.25%	83.58%	0.1015	0.1015	0.1020
Left elbow	2	65	84.62%	71.69%	0.4565	0.4565	0.4677
Left wrist	2	61	81.97%	70.84%	0.3816	0.3816	0.4151
Left fingers	2	65	70.77%	61.82%	0.2343	0.2343	0.2393
Left back	2	63	66.67%	62.59%	0.1091	0.1091	0.1116
Left hip	2	65	84.62%	78.22%	0.2935	0.2935	0.3060
Left knee	2	62	82.26%	74.04%	0.3166	0.3166	0.3172
Left ankle	2	65	84.62%	83.20%	0.0845	0.0845	0.0860
Left toes	2	62	82.26%	81.22%	0.0554	0.0554	0.0556
PCP35: Number of Falls	4	66	78.79%	65.43%	0.3865	0.5625	0.7479
PCP35: Number of Injuries Due to Falls	3	57	92.98%	80.86%	0.6334	0.6851	0.7543
PCP35: Fall Risk -							
None	2	66	77.27%	65.61%	0.3391	0.3391	0.3421
History of falls	2	66	59.09%	58.26%	0.0198	0.0198	0.0199
Confusion	2	66	81.82%	70.20%	0.3898	0.3898	0.3919
Impaired judgment	2	66	92.42%	60.93%	0.8061	0.8061	0.8116
Sensory deficit	2	66	63.64%	59.00%	0.1131	0.1131	0.1131
Unable to ambulate independently	2	66	75.76%	53.54%	0.4783	0.4783	0.4824
Unable to transfer independently	2	66	87.88%	63.27%	0.6700	0.6700	0.6700
Increased anxiety/emotional lability	2	66	80.30%	79.57%	0.0360	0.0360	0.0387
Incontinence/urgency	2	66	63.64%	60.28%	0.0844	0.0844	0.0846
CV/respiratory disease affecting perfusion and oxygenation	2	66	93.94%	88.61%	0.4677	0.4677	0.4677
Postural hypotension with dizziness	2	66	98.48%	--	--	--	--
<b>EMOTIONAL/MENTAL HEALTH STATUS</b>							
PCP37: Chronic Mental/Emotional Condition -							
Schizophrenia	2	70	98.57%	93.10%	0.7929	0.7929	0.8105
Major depression	2	70	90.00%	72.53%	0.6360	0.6360	0.6368
Mania/bipolar	1	70	--	--	--	--	--
Personality disorder	1	70	--	--	--	--	--
Other	2	70	78.57%	76.29%	0.0964	0.0964	0.1011
None of the above	2	70	75.71%	54.24%	0.4692	0.4692	0.4750
Unknown	2	69	85.51%	84.12%	0.0873	0.0873	0.0873
PCP37: Acute Mental/Emotion Condition -							
Schizophrenia or paraphrenia	2	66	92.42%	92.61%	-0.0248	-0.0248	-0.0315
Psychotic depression	2	66	95.45%	95.55%	-0.0206	-0.0206	-0.0219
Mania/bipolar	2	66	98.48%	--	--	--	--
Significant emotional instability or volatility	2	66	96.97%	--	--	--	--
None of the above	2	66	90.91%	88.43%	0.2143	0.2143	0.2516
PCP38: Frequency of Anxiety	3	68	72.06%	57.40%	0.3442	0.3653	0.3909
PCP38: Severity of Anxiety	2	12	83.33%	--	--	--	--
PCP39: GDS - Basic life satisfaction	2	64	89.06%	76.86%	0.5274	0.5274	0.5386

**TABLE 3C.3: Agreement Statistics for Selected Items on the Primary Care Provider Form.<sup>a</sup> (Cont'd)**

<b>COCOA ITEM</b>	<b>Number of Categories</b>	<b>No. of Valid Pairs of Data</b>	<b>Percent Agreement</b>	<b>Expected % Agreement</b>	<b>Nominal Kappa</b>	<b>Weighted Kappa</b>	<b>Pearson Correlation</b>
Dropped activities and interests	2	63	74.60%	62.91%	0.3152	0.3152	0.3355
Feel life is empty	2	62	80.65%	70.60%	0.3416	0.3416	0.3501
Often get bored	2	63	79.37%	61.33%	0.4664	0.4664	0.4668
Good spirits most of the time	2	60	90.00%	90.44%	-0.0465	-0.0465	-0.0496
Afraid something bad is going to happen to you	2	61	98.36%	83.58%	0.9002	0.9002	0.9047
Feel happy most of the time	2	61	90.16%	82.05%	0.4521	0.4521	0.4857
Feel helpless	2	59	83.05%	68.74%	0.4577	0.4577	0.5080
Prefer to stay home	2	60	81.67%	61.56%	0.5231	0.5231	0.5276
Feel you have memory problems	2	61	80.33%	65.60%	0.4281	0.4281	0.4631
Think it is wonderful to be alive	2	61	96.72%	93.60%	0.4874	0.4874	0.5676
Feel pretty worthless	2	60	88.33%	68.89%	0.6250	0.6250	0.6332
Feel full of energy	2	60	71.67%	60.11%	0.2897	0.2897	0.2899
Feel situation is hopeless	2	59	79.66%	78.86%	0.0380	0.0380	0.0402
Feel most people are better off than you	2	57	77.19%	62.05%	0.3990	0.3990	0.3995
Score	12	53	16.98%	14.52%	0.0287	0.2959	0.4979
UA	2	71	92.96%	76.81%	0.6963	0.6963	0.6976
PCP40: Suspicion of Participant Abuse -							
Physical	2	66	95.45%	--	--	--	--
Basic needs	1	66	--	--	--	--	--
Psychological	2	66	98.48%	--	--	--	--
Material	1	66	--	--	--	--	--
Violation of rights	1	66	--	--	--	--	--
Self-neglect	2	66	98.48%	--	--	--	--
None	2	67	92.54%	92.72%	-0.0245	-0.0245	-0.0310
PCP41: Use of Restraints	1	66	--	--	--	--	--
<b>PHYSIOLOGIC STATUS AND SYMPTOM MANAGEMENT</b>							
PCP42: Diagnosis (Based on All Diagnoses)	--	836	58.73%	--	--	--	--
PCP42: Severity Ratings (Where Diagnoses Match)	5	237	66.2%	60.7%	0.141	0.172	0.173
PCP42: Acute/Chronic (Where Diagnoses Match)	2	215	97.7%	96.8%	0.280		0.403
PCP43: Overall Prognosis	3	69	69.57%	62.76%	0.1827	0.2305	0.3143
PCP44: Rehabilitative Prognosis	3	65	70.77%	64.95%	0.1661	0.2139	0.2950
PCP45: Life Expectancy	2	70	61.43%	49.51%	0.2361	0.2361	0.2408

<sup>a</sup> Analyses based on 71 Primary Care Provider pairs. Valid data pairs consist of those data points for which both care providers coded a valid response for the COCOA item.

**TABLE 3C.4: Agreement Statistics for Selected Items on the Nursing Form.<sup>a</sup>**

<b>COCOA ITEM</b>	<b>Number of Categories</b>	<b>No. of Valid Pairs of Data</b>	<b>Percent Agreement</b>	<b>Expected % Agreement</b>	<b>Nominal Kappa</b>	<b>Weighted Kappa</b>	<b>Pearson Correlation</b>
<b>PHYSIOLOGIC STATUS AND SYMPTOM MANAGEMENT</b>							
NURSE7: Self-Report of Health Status	4	70	64.29%	34.55%	0.4543	0.6503	0.6520
NURSE10: Participant's Appearance -							
No concerns	2	73	93.15%	93.38%	-0.0340	-0.0340	-0.0347
Inappropriately clothed	2	73	97.26%	97.30%	-0.0139	-0.0139	-0.0139
Physically unkempt	1	73	--	--	--	--	--
Poor hygiene	2	73	98.63%	--	--	--	--
Other	2	71	97.18%	97.22%	-0.0143	-0.0143	-0.0143
NURSE11: Personal Hygiene -							
Affecting socialization	2	76	92.11%	92.38%	-0.0364	-0.0364	-0.0387
Affecting health	2	69	100.00%	97.14%	1.0000	1.0000	1.0000
NURSE12: Flue Immunization Status	32	74	90.54%	78.98%	0.5500	0.5895	0.5949
NURSE12: Height	--	50	70.00%	--	--	--	--
NURSE12: Weight	--	63	60.30%	--	--	--	--
NURSE16: Edema on Legs -							
None	2	76	73.68%	49.69%	0.4769	0.4769	0.4941
Right leg	2	77	72.73%	51.31%	0.4399	0.4399	0.4690
Left leg	2	77	80.52%	52.32%	0.5914	0.5914	0.6025
NURSE17: Dyspnea	5	77	76.62%	44.88%	0.5759	0.5252	0.5309
NURSE19: Bowel Incontinence Frequency	5	72	70.83%	60.86%	0.2548	0.3564	0.3614
NURSE20: Bladder Continence	5	72	61.11%	29.40%	0.4492	0.6930	0.6955
NURSE20: Time When Urinary Incontinence Occurs	3	29	82.76%	62.66%	0.5382	0.5563	0.5572
NURSE21: Skin turgor (hydration)	3	76	81.58%	83.15%	-0.0935	-0.0940	-0.0966
NURSE22b: Physical Symptoms -							
Energy	3	67	79.10%	45.67%	0.6154	0.7050	0.7066
Appetite	3	68	75.00%	58.52%	0.3973	0.3362	0.3367
Nausea	3	72	86.11%	77.78%	0.3750	0.5294	0.5320
Mouth soreness	3	69	84.06%	72.95%	0.4107	0.4532	0.4654
Insomnia	4	68	75.00%	51.82%	0.4811	0.7305	0.7335
Vomiting	3	71	95.77%	90.50%	0.5553	0.8348	0.8363
Constipation	3	71	64.79%	51.99%	0.2665	0.3961	0.4183
Foot/leg swelling	4	66	66.67%	34.92%	0.4878	0.5704	0.5724
Shortness of breath	4	67	73.13%	53.80%	0.4185	0.6399	0.6416
Coughing	4	69	72.46%	52.66%	0.4184	0.5533	0.5740
UA	2	77	93.51%	88.92%	0.4140	0.4140	0.4422
NURSE23: Participant -							
Pain interfering with daily activities	5	68	50.00%	26.19%	0.3226	0.5183	0.5228
Severity of pain	4	35	45.71%	31.18%	0.2112	0.5513	0.5907
NURSE24: Provider -							
Pain interfering with daily activities	5	74	50.00%	29.77%	0.2881	0.5957	0.6011
Frequency of pain	3	38	71.05%	44.39%	0.4795	0.6261	0.6269

**TABLE 3C.4: Agreement Statistics for Selected Items on the Nursing Form.<sup>a</sup> (Cont'd)**

<b>COCOA ITEM</b>	<b>Number of Categories</b>	<b>No. of Valid Pairs of Data</b>	<b>Percent Agreement</b>	<b>Expected % Agreement</b>	<b>Nominal Kappa</b>	<b>Weighted Kappa</b>	<b>Pearson Correlation</b>
Intractable pain	2	35	65.71%	65.39%	0.0094	0.0094	0.0126
<b>NURSE27: Fall Risk -</b>							
None	2	76	78.95%	61.18%	0.4576	0.4576	0.4587
History of falls	2	76	81.58%	53.43%	0.6045	0.6045	0.6054
Confusion	2	76	86.84%	68.18%	0.5865	0.5865	0.5947
Impaired judgment	2	76	88.16%	64.13%	0.6699	0.6699	0.6931
Sensory deficit	2	76	88.16%	80.12%	0.4042	0.4042	0.4051
Unable to ambulate independently	2	76	64.47%	51.94%	0.2608	0.2608	0.2609
Unable to transfer independently	2	76	84.21%	66.72%	0.5255	0.5255	0.5271
Increased anxiety/emotional lability	2	76	94.74%	85.42%	0.6390	0.6390	0.6496
Incontinence/urgency	2	76	75.00%	59.35%	0.3850	0.3850	0.3868
CV/respiratory disease affecting perfusion and oxygenation	2	76	93.42%	88.85%	0.4099	0.4099	0.4128
Postural hypotension with dizziness	2	76	92.11%	92.38%	-0.0364	-0.0364	-0.0387
<b>MEDICATION ADHERENCE</b>							
NURSE28: Participant Adherence	3	71	85.92%	84.05%	0.1169	0.0389	0.0395
<b>NURSE28: Responsibility for Ppt Medications -</b>							
Participant	2	69	89.86%	50.37%	0.7956	0.7956	0.7959
Nonpaid caregiver	2	69	94.20%	52.99%	0.8767	0.8767	0.8783
PACE staff	2	69	84.06%	68.26%	0.4977	0.4977	0.5112
Paid caregiver	2	69	97.10%	84.12%	0.8175	0.8175	0.8175
NURSE28: Participant - Self-report of forgetfulness	2	30	86.67%	57.78%	0.6842	0.6842	0.6929
NURSE28: Caregiver - Facilitation of medication adherence	2	23	100.00%	91.68%	1.0000	1.0000	1.0000
NURSE28: Caregiver - Self-report of forgetfulness	2	22	86.36%	73.14%	0.4923	0.4923	0.4995
NURSE28: Caregiver - Reasons ppt did not receive meds	2	22	90.91%	91.32%	-0.0476	-0.0476	-0.0476
<b>FUNCTIONAL STATUS</b>							
NURSE29: Planning & Preparing Light Meals - Performance	3	74	86.49%	39.97%	0.7749	0.8461	0.8465
NURSE29: Planning & Preparing Light Meals - Ability	3	77	85.71%	39.01%	0.7658	0.8015	0.8045
NURSE30: Heavy Chores - Performance	3	74	91.89%	84.93%	0.4618	0.3509	0.3525
NURSE30: Heavy Chores - Ability	3	76	93.42%	86.46%	0.5141	0.3871	0.3917
NURSE31: Shopping - Performance	4	73	69.86%	40.53%	0.4932	0.7124	0.7173
NURSE31: Shopping - Ability	4	76	67.11%	39.08%	0.4601	0.6538	0.6779
NURSE32: Housekeeping - Performance	5	73	68.49%	43.52%	0.4422	0.7051	0.7060
NURSE32: Housekeeping - Ability	5	77	68.83%	41.49%	0.4673	0.7287	0.7369
NURSE33: Laundry - Performance	3	72	87.50%	59.38%	0.6923	0.7778	0.7784
NURSE33: Laundry - Ability	3	77	83.12%	57.43%	0.6034	0.6869	0.6895

**TABLE 3C.4: Agreement Statistics for Selected Items on the Nursing Form.<sup>a</sup> (Cont'd)**

<b>COCOA ITEM</b>	<b>Number of Categories</b>	<b>No. of Valid Pairs of Data</b>	<b>Percent Agreement</b>	<b>Expected % Agreement</b>	<b>Nominal Kappa</b>	<b>Weighted Kappa</b>	<b>Pearson Correlation</b>
NURSE34: Management of Oral Medications - Performance	3	73	78.08%	33.46%	0.6706	0.8098	0.8125
NURSE34: Management of Oral Medications - Ability	3	73	75.34%	33.01%	0.6319	0.7865	0.7920
NURSE34: Management of Inhalant Medications - Performance	3	13	76.92%	44.97%	0.5806	0.8169	0.8261
NURSE34: Management of Inhalant Medications - Ability	3	13	76.92%	44.97%	0.5806	0.8169	0.8261
NURSE34: Management of Injectable Medications - Performance	3	12	100.00%	38.89%	1.0000	1.0000	1.0000
NURSE34: Management of Injectable Medications - Ability	3	13	100.00%	38.46%	1.0000	1.0000	1.0000
NURSE35: Vision	3	76	65.79%	48.34%	0.3378	0.4091	0.4100
NURSE36: Hearing	2	77	88.31%	66.25%	0.6537	0.6537	0.6581
NURSE37: Oral Status - Debris	2	76	96.05%	93.63%	0.3804	0.3804	0.3888
Dentures	2	76	80.26%	55.89%	0.5526	0.5526	0.5650
Teeth lost	2	76	71.05%	59.97%	0.2768	0.2768	0.2774
Broken, loose or carious teeth	2	76	97.37%	97.40%	-0.0133	-0.0133	-0.0133
Inflamed gums	2	76	97.37%	--	--	--	--
Daily cleaning	2	76	50.00%	49.76%	0.0048	0.0048	0.0049
None of the above	2	76	92.11%	89.99%	0.2111	0.2111	0.2188
NURSE37: Dental Visits	2	71	80.28%	59.17%	0.5170	0.5170	0.5285
<b>COGNITIVE STATUS</b>							
NURSE40: Ability to Respond in an Emergency - Capable of summoning help	2	76	82.89%	54.36%	0.6252	0.6252	0.6318
Aware and able to use telephone	2	76	65.79%	50.00%	0.3158	0.3158	0.3162
Capable of exiting dwelling	2	76	69.74%	50.62%	0.3871	0.3871	0.3883
Capable to using emergency device	2	76	56.58%	51.45%	0.1056	0.1056	0.1056
Unable to respond without help	2	76	86.84%	59.87%	0.6721	0.6721	0.6780
<b>EMOTIONAL/MENTAL HEALTH STATUS</b>							
NURSE41: Suspicion of Participant Abuse - Physical	1	77	--	--	--	--	--
Basic needs	2	77	100.00%	--	--	--	--
Psychological	2	77	98.70%	--	--	--	--
Material	2	77	98.70%	--	--	--	--
Violation of rights	1	77	--	--	--	--	--
Self-neglect	1	77	--	--	--	--	--
None	2	77	97.40%	94.94%	0.4867	0.4867	0.4867

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**TABLE 3C.4: Agreement Statistics for Selected Items on the Nursing Form.<sup>a</sup> (Cont'd)**

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<sup>a</sup> Analyses based on 77 Nursing pairs. Valid data pairs consist of those data points for which both care providers coded a valid response for the COCOA item.

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**TABLE 3C.5: Agreement Statistics for Selected Items on the Rehabilitation Form.<sup>a</sup>**

<b>COCOA ITEM</b>	<b>Number of Categories</b>	<b>No. of Valid Pairs of Data</b>	<b>Percent Agreement</b>	<b>Expected % Agreement</b>	<b>Nominal Kappa</b>	<b>Weighted Kappa</b>	<b>Pearson Correlation</b>
<b>FUNCTIONAL</b>							
REHAB6: Activities Limited by Health -							
Not collected due to cognitive impairment	2	78	96.15%	89.12%	0.6465	0.6465	0.6511
Shopping	3	54	53.70%	36.93%	0.2659	0.2054	0.2069
Social activities	3	58	63.79%	32.94%	0.4601	0.5000	0.5071
Time with family and friends	3	68	58.82%	38.75%	0.3277	0.3384	0.3437
Religious activities	3	62	62.90%	36.58%	0.4151	0.3967	0.3989
Housekeeping	3	59	47.46%	34.50%	0.1978	0.1958	0.1964
Walking around	3	71	59.15%	36.44%	0.3574	0.5224	0.5246
<b>PHYSIOLOGIC STATUS AND SYMPTOM MANAGEMENT</b>							
REHAB9: Fall Risk -							
None	2	73	71.23%	65.00%	0.1780	0.1780	0.1782
History of falls	2	73	71.23%	50.14%	0.4230	0.4230	0.4232
Confusion	2	73	87.67%	81.55%	0.3316	0.3316	0.3326
Impaired judgment	2	73	83.56%	67.31%	0.4971	0.4971	0.4989
Sensory deficit	2	73	83.56%	78.34%	0.2409	0.2409	0.2429
Unable to ambulate independently	2	73	89.04%	62.84%	0.7051	0.7051	0.7051
Unable to transfer independently	2	73	90.41%	71.61%	0.6623	0.6623	0.6630
Increased anxiety/emotional ability	2	73	90.41%	83.69%	0.4120	0.4120	0.4257
Incontinence/urgency	2	73	80.82%	70.69%	0.3457	0.3457	0.3472
CV/respiratory disease	2	72	90.28%	90.74%	-0.0500	-0.0500	-0.0506
Postural hypotension	2	72	87.50%	85.65%	0.1290	0.1290	0.1474
REHAB15: Endurance	4	79	59.49%	35.80%	0.3691	0.4997	0.5024
REHAB16: Dyspnea	5	80	68.75%	42.72%	0.4544	0.4784	0.5096
<b>ADLs</b>							
REHAB17: Ambulation - Performance	5	80	80.00%	39.25%	0.6708	0.8445	0.8463
REHAB17: Ambulation - Ability	5	78	76.92%	38.79%	0.6230	0.8444	0.8447
REHAB18: Transferring - Performance	5	78	69.23%	40.15%	0.4859	0.7734	0.7754
REHAB18: Transferring - Ability	5	77	66.23%	41.63%	0.4216	0.7215	0.7226
REHAB18: Transferring - Assistance needed	2	19	89.47%	90.03%	-0.0556	-0.0556	-0.0556
REHAB19: Bathing - Performance	6	78	44.87%	19.26%	0.3172	0.6700	0.6896
REHAB19: Bathing - Ability	6	78	51.28%	20.86%	0.3844	0.6144	0.6352
REHAB20: Grooming - Performance	4	79	69.62%	42.20%	0.4744	0.7305	0.7306
REHAB20: Grooming - Ability	4	78	65.38%	45.48%	0.3651	0.6195	0.6200
REHAB21: Upper Body Dressing - Performance	4	79	81.01%	39.18%	0.6878	0.8960	0.8973
REHAB21: Upper Body Dressing - Ability	4	78	74.36%	42.54%	0.5538	0.7911	0.7929
REHAB22: Lower Body Dressing - Performance	4	80	67.50%	30.47%	0.5326	0.8602	0.8609
REHAB22: Lower Body Dressing - Ability	4	78	64.10%	31.95%	0.4725	0.8307	0.8310

**TABLE 3C.5: Agreement Statistics for Selected Items on the Rehabilitation Form.<sup>a</sup> (Cont'd)**

<b>COCOA ITEM</b>	<b>Number of Categories</b>	<b>No. of Valid Pairs of Data</b>	<b>Percent Agreement</b>	<b>Expected % Agreement</b>	<b>Nominal Kappa</b>	<b>Weighted Kappa</b>	<b>Pearson Correlation</b>
REHAB23: Toileting - Performance	5	77	58.44%	30.01%	0.4063	0.7635	0.7636
REHAB23: Toileting - Ability	5	78	58.97%	30.33%	0.4112	0.7521	0.7533
REHAB24: Feeding - Performance	5	79	82.28%	59.08%	0.5670	0.7303	0.7506
REHAB24: Feeding - Ability	5	79	82.28%	59.08%	0.5670	0.7303	0.7506
<b>IADLs</b>							
REHAB25: Telephone Use - Performance	6	77	83.12%	54.66%	0.6276	0.8133	0.8148
REHAB25: Telephone Use - Ability	6	74	83.78%	60.56%	0.5889	0.7116	0.7212
REHAB27: Suspicion of Participant Abuse -							
Physical	1	78	--	--	--	--	--
Basic needs	1	78	--	--	--	--	--
Psychological	1	78	--	--	--	--	--
Material	2	78	98.72%	--	--	--	--
Violation of rights	1	78	--	--	--	--	--
Self-neglect	1	78	--	--	--	--	--
None	2	79	96.20%	96.27%	-0.0172	-0.0172	-0.0182

<sup>a</sup> Analyses based on 80 Rehabilitation pairs. Valid data pairs consist of those data points for which both care providers coded a valid response for the COCOA item.

**TABLE 3C.6: Agreement Statistics for Selected Items on the Registered Dietitian Form <sup>a</sup>.**

<b>COCOA ITEM</b>	<b>Number of Categories</b>	<b>No. of Valid Pairs of Data</b>	<b>Percent Agreement</b>	<b>Expected % Agreement</b>	<b>Nominal Kappa</b>	<b>Weighted Kappa</b>	<b>Pearson Correlation</b>
<b>PHYSIOLOGIC STATUS AND SYMPTOM MANAGEMENT</b>							
DIET6: Height	--	24	95.80%	--	--	--	--
DIET6: Weight	--	24	70.80%	--	--	--	--
DIET11: Food Intake Pattern	3	24	70.83%	35.42%	0.5484	0.6667	0.6707
DIET12: Nutritional Risk -							
Medical conditions limit amount eaten	2	24	54.17%	48.61%	0.1081	0.1081	0.1183
Eat fewer than 2 meals a day	2	23	91.30%	91.68%	-0.0455	-0.0455	-0.0455
Eat few fruits, veg., and dairy	2	23	82.61%	56.14%	0.6034	0.6034	0.6573
Poor dentition	2	24	75.00%	71.88%	0.1111	0.1111	0.1163
Consumes alcohol daily	2	24	95.83%	--	--	--	--
Lacks funds to purchase food	2	22	95.45%	--	--	--	--
Usually eats alone	2	24	95.83%	64.58%	0.8824	0.8824	0.8885
Takes more than 3 prescription drugs	2	24	75.00%	78.13%	-0.1429	-0.1429	-0.1429
Lost or gained more than 5% body weight	2	24	91.67%	72.22%	0.7000	0.7000	0.7000
Lacks means to procure or store food	2	23	69.57%	74.10%	-0.1752	-0.1752	-0.1777
Unable to feed self	2	24	91.67%	78.13%	0.6190	0.6190	0.6190
Poor appetite	2	24	87.50%	68.75%	0.6000	0.6000	0.6547
Sum of positive responses	6	22	36.36%	18.80%	0.2163	0.4345	0.4733
Unintentional weight loss	1	22	--	--	--	--	--
IBW 10-15% below	2	22	95.45%	--	--	--	--
IBW >15% below	2	22	95.45%	--	--	--	--
IBW 20-30% below	2	22	81.82%	74.79%	0.2787	0.2787	0.4024
IBW >30% below	2	22	77.27%	72.31%	0.1791	0.1791	0.2058
Albumin 3-3.4	2	22	95.45%	67.36%	0.8608	0.8608	0.8692
Albumin < 3	1	22	--	--	--	--	--
Tube feeding	2	22	100.00%	91.32%	1.0000	1.0000	1.0000
Impaired skin, Stage 1	2	22	81.82%	83.06%	-0.0732	-0.0732	-0.0867
Impaired skin, Stage 2	2	22	86.36%	86.36%	0.0000	0.0000	-99.0000
Impaired skin, Stage 3	1	22	--	--	--	--	--
Impaired skin, Stage 4	1	22	--	--	--	--	--
Swallowing problem	2	22	90.91%	83.06%	0.4634	0.4634	0.5492
Oral/dental problem	2	22	81.82%	76.03%	0.2414	0.2414	0.2609
Uncontrolled diabetes	2	22	86.36%	--	--	--	--
Unable to meet own nutritional needs	2	22	86.36%	87.19%	-0.0645	-0.0645	-0.0690
Increased nutritional needs	2	22	86.36%	87.19%	-0.0645	-0.0645	-0.0690
Consistently inadequate P.O. intake	2	22	90.91%	83.47%	0.4500	0.4500	0.4500
Sum of responses	12	24	16.67%	11.46%	0.0588	0.0191	0.0227

<sup>a</sup> Analyses based on 24 RD pairs. Valid data pairs consist of those data points for which both care providers coded a valid response for the COCOA item.

**TABLE 3C.7: Agreement Statistics for Selected Items on the Social Work Form.<sup>a</sup>**

<b>COCOA ITEM</b>	<b>Number of Categories</b>	<b>No. of Valid Pairs of Data</b>	<b>Percent Agreement</b>	<b>Expected % Agreement</b>	<b>Nominal Kappa</b>	<b>Weighted Kappa</b>	<b>Pearson Correlation</b>
SW6: Highest Level of Education Completed	6	67	80.60%	24.62%	0.7426	0.9184	0.9186
SW8: English Fluency: Spoken	3	65	86.15%	86.75%	-0.0446	-0.0636	-0.0716
SW9: Marital Status	6	71	91.55%	34.58%	0.8708	0.8968	0.9002
SW11: Participant Lives With -							
Lives alone	2	72	95.83%	54.24%	0.9089	0.9089	0.9094
Spouse or significant other	2	72	98.61%	81.33%	0.9256	0.9256	0.9282
Other family member	2	72	93.06%	51.93%	0.8555	0.8555	0.8646
Friend	2	72	100.00%	97.26%	1.0000	1.0000	1.0000
Paid family caregiver	1	72	--	--	--	--	--
Paid help	2	72	95.83%	95.91%	-0.0189	-0.0189	-0.0201
Other	2	71	92.96%	76.73%	0.6974	0.6974	0.7091
SW12: Current Residence	9	71	71.83%	38.66%	0.5408	0.7353	0.7418
<b>IADs</b>							
SW14: Managing Finances - Performance	3	57	77.19%	48.35%	0.5584	0.6876	0.6937
SW14: Managing Finances - Ability	4	70	70.00%	39.65%	0.5029	0.7676	0.7709
SW15a: Financial Concerns: Ability to afford rent/bills	2	72	94.44%	94.60%	-0.0286	-0.0286	-0.0286
SW15b: Financial Concerns: Ability to afford food	2	71	95.77%	95.85%	-0.0191	-0.0191	-0.0203
<b>EMOTIONAL/MENTAL HEALTH STATUS</b>							
SW24: Participant Mood - Depressive	2	71	84.51%	78.91%	0.2653	0.2653	0.2659
Irritable	2	71	94.37%	94.49%	-0.0216	-0.0216	-0.0251
Anxious	2	71	88.73%	82.19%	0.3675	0.3675	0.3722
Angry	2	71	94.37%	91.91%	0.3039	0.3039	0.3039
Happy	2	71	73.24%	50.55%	0.4589	0.4589	0.4606
Content	2	71	63.38%	50.45%	0.2610	0.2610	0.2649
Neutral	2	71	85.92%	84.49%	0.0921	0.0921	0.0936
Other	2	70	74.29%	71.59%	0.0948	0.0948	0.0948
Not collected due to cognitive impairment	2	69	95.65%	78.39%	0.7988	0.7988	0.8006
SW25: Provider Perceived Affect - Flat	2	72	86.11%	86.46%	-0.0256	-0.0256	-0.0449
Depressed	2	72	91.67%	91.98%	-0.0385	-0.0385	-0.0410
Sad	2	72	88.89%	82.41%	0.3684	0.3684	0.3731
Angry	2	71	97.18%	97.22%	-0.0143	-0.0143	-0.0143
Restricted/Withdrawn	2	72	95.83%	95.91%	-0.0189	-0.0189	-0.0201
Fearful	2	72	97.22%	--	--	--	--
Anxious	2	72	87.50%	85.88%	0.1148	0.1148	0.1153
Nervous	2	72	94.44%	92.01%	0.3043	0.3043	0.3043
Calm	2	72	66.67%	50.50%	0.3266	0.3266	0.3468

**TABLE 3C.7: Agreement Statistics for Selected Items on the Social Work Form.<sup>a</sup> (Cont'd)**

<b>COCOA ITEM</b>		<b>Number of Categories</b>	<b>No. of Valid Pairs of Data</b>	<b>Percent Agreement</b>	<b>Expected % Agreement</b>	<b>Nominal Kappa</b>	<b>Weighted Kappa</b>	<b>Pearson Correlation</b>
	Happy	2	72	59.72%	50.00%	0.1944	0.1944	0.1963
	Other	2	72	81.94%	83.56%	-0.0986	-0.0986	-0.0989
SW26: Frequency of Anxiety		4	64	42.19%	37.11%	0.0807	0.1973	0.1989
SW26: Severity of Anxiety		2	16	56.25%	64.06%	-0.2174	-0.2174	-0.2548
SW27: Depression -								
	Decreased energy	2	70	94.29%	89.18%	0.4717	0.4717	0.4891
	Slow thinking, language, behavior	2	70	92.86%	93.10%	-0.0355	-0.0355	-0.0363
	Decreased appetite	2	70	94.29%	91.76%	0.3069	0.3069	0.3272
	Expressions of feeling worthless or futile	2	69	97.10%	97.14%	-0.0147	-0.0147	-0.0147
	Crying spells	2	70	92.86%	93.02%	-0.0234	-0.0234	-0.0296
	Consistent sadness	2	70	97.14%	94.45%	0.4853	0.4853	0.4853
	Disturbed sleep	2	70	92.86%	83.14%	0.5763	0.5763	0.5784
	Other	2	70	92.86%	93.10%	-0.0355	-0.0355	-0.0363
	None	2	70	72.86%	61.02%	0.3037	0.3037	0.3055
SW28: Participant Stress/Concerns -								
	Major life changes	2	61	80.33%	62.91%	0.4696	0.4696	0.4696
	Related to changes	2	9	66.67%	51.85%	0.3077	0.3077	0.3162
SW29: Alcohol Use/Abuse -								
	a. Weekly/monthly	4	64	87.50%	74.76%	0.5048	0.7244	0.7449
	b. Daily	1	5	--	--	--	--	--
	c. Suspected dependency/abuse	2	72	97.22%	--	--	--	--
	d. History of abuse	2	71	92.96%	81.10%	0.6275	0.6275	0.6292
SW30: Behavior problems -								
	Verbal disruption	5	71	92.96%	85.26%	0.5222	0.7163	0.7166
	Physical aggression	4	71	94.37%	90.48%	0.4083	0.7685	0.8066
	Disruptive, infantile, regressive, inappropriate	4	71	92.96%	87.80%	0.4228	0.7546	0.7742
	Delirium, confusion, delusional, hallucinatory, paranoid	4	71	88.73%	74.41%	0.5597	0.7198	0.7606
	Agitated	5	71	91.55%	72.19%	0.6961	0.8652	0.8660
	Withdrawn/isolated	5	71	83.10%	82.74%	0.0207	0.1437	0.1453
SW31: Wandering		3	72	91.67%	79.94%	0.5846	0.6966	0.7275
SW33: Signed Advance Directive		2	70			0.5370	0.5370	
<b>PARTICIPANT QUALITY OF LIFE</b>								
SW37: Cultural/Religious Affiliation		2	57	80.70%	69.93%	0.3582	0.3582	0.3589
SW38: Participation in Religious or Spiritual Activities or Services		3	55	61.82%	42.48%	0.3362	0.3885	0.4061
SW39: Social Activities		4	58	55.17%	31.03%	0.3500	0.2602	0.2686
SW40: Socialization/Isolation -								
	Telephone communication with friends or family	4	58	55.17%	30.20%	0.3578	0.5303	0.5346
	In-person communication with friends or family	4	61	49.18%	31.17%	0.2616	0.5268	0.5407

**TABLE 3C.7: Agreement Statistics for Selected Items on the Social Work Form.<sup>a</sup> (Cont'd)**

<b>COCOA ITEM</b>	<b>Number of Categories</b>	<b>No. of Valid Pairs of Data</b>	<b>Percent Agreement</b>	<b>Expected % Agreement</b>	<b>Nominal Kappa</b>	<b>Weighted Kappa</b>	<b>Pearson Correlation</b>
SW41: Feeling lonely or isolated	4	61	68.85%	42.22%	0.4609	0.5960	0.6041
SW41: Satisfaction with Amount of Interaction/Contact	5	57	49.12%	43.98%	0.0918	0.2229	0.2243
SW42: Satisfaction with Quality of Interaction/Contact	4	58	62.07%	50.86%	0.2281	0.4452	0.4997
SW43: Satisfaction with Living Situation	5	62	74.19%	46.41%	0.5184	0.5501	0.5789
SW44: Worry About Support	3	61	78.69%	75.06%	0.1455	0.0305	0.0335
SW45: Resolution	4	59	67.80%	64.03%	0.1046	0.1870	0.1900
SW46: Self-Rated Quality of Life	5	59	33.90%	25.74%	0.1099	0.4376	0.4430
SW47: Suspicion of Participant Abuse - Physical	1	70	--	--	--	--	--
Basic needs	2	70	98.57%	--	--	--	--
Psychological	2	70	98.57%	--	--	--	--
Material	1	70	--	--	--	--	--
Violation of rights	1	70	--	--	--	--	--
Self-neglect	1	70	--	--	--	--	--
None	2	70	97.14%	--	--	--	--
<b>COGNITIVE STATUS</b>							
SW48: Ability to Sustain Attention - Structured activity	4	71	67.61%	39.38%	0.4656	0.7379	0.7408
Unstructured Activity	4	72	69.44%	43.25%	0.4616	0.7247	0.7248
SW49: Judgment (puts self at risk)	4	70	60.00%	31.61%	0.4151	0.7034	0.7155
SW50: Awareness of Own Needs	3	70	75.71%	44.78%	0.5602	0.6573	0.6608
SW51: Ability to understand others	5	71	60.56%	35.95%	0.3843	0.6738	0.6777
SW52: Ability to Express Thoughts, Wants, Needs	5	69	69.57%	37.03%	0.5167	0.7684	0.7700
SW53: Recent Memory - Daily memory of events	2	69	83.82%	60.29%	0.5926	0.5926	0.5963
Medication	2	68	83.33%	50.55%	0.6630	0.6630	0.6633
SW54: Remote Memory Rate	3	66	79.10%	52.06%	0.5641	0.7272	0.7272
SW55: Reasoning Skills	3	67	76.47%	36.18%	0.6313	0.7774	0.7851
<b>PHYSIOLOGIC STATUS AND SYMPTOM MANAGEMENT</b>							
SW56: No Informal Caregiver	2	72	84.72%	59.18%	0.6257	0.6257	0.6290
SW56: Pain Interfering with Daily Activities	5	39	53.85%	31.10%	0.3302	0.5323	0.5567
<b>EMOTIONAL/MENTAL HEALTH STATUS</b>							
SW57: Depression or Symptoms - Decreased energy	2	37	89.19%	69.32%	0.6476	0.6476	0.6476
Slow thinking, language, behavior	2	38	89.47%	77.01%	0.5422	0.5422	0.5570
Decreased appetite	2	37	86.49%	82.54%	0.2259	0.2259	0.2551
Expressions of feeling worthless or futile	2	38	92.11%	87.40%	0.3736	0.3736	0.4793
Crying spells	2	38	78.95%	79.92%	-0.0483	-0.0483	-0.0781
Consistent sadness	2	38	89.47%	85.32%	0.2830	0.2830	0.3032

**TABLE 3C.7: Agreement Statistics for Selected Items on the Social Work Form.<sup>a</sup> (Cont'd)**

<b>COCOA ITEM</b>	<b>Number of Categories</b>	<b>No. of Valid Pairs of Data</b>	<b>Percent Agreement</b>	<b>Expected % Agreement</b>	<b>Nominal Kappa</b>	<b>Weighted Kappa</b>	<b>Pearson Correlation</b>
Disturbed sleep	2	38	86.84%	74.38%	0.4865	0.4865	0.5669
Other	2	38	92.11%	87.40%	0.3736	0.3736	0.4793
None	2	38	76.32%	50.00%	0.5263	0.5263	0.5455
<b>HOME ENVIRONMENT/LIVING ARRANGEMENTS</b>							
SW59: Caregiver Knowledge of Emergency Procedures -							
Call 911	2	37	83.78%	80.72%	0.1591	0.1591	0.1591
Call PACE doctor	2	37	62.16%	58.22%	0.0944	0.0944	0.1103
Follow PACE instructions	2	36	75.00%	70.06%	0.1649	0.1649	0.1717
Stay with participant	2	36	83.33%	84.57%	-0.0800	-0.0800	-0.0857
Adhere to advance directive	2	36	94.44%	94.44%	0.0000	0.0000	-99.0000
Other	2	36	83.33%	75.93%	0.3077	0.3077	0.3162
Unknown	1	37	--	--	--	--	--
Call PACE doctor	2	37	54.05%	53.47%	0.0126	0.0126	0.0137
Follow PACE instructions	2	37	72.97%	58.22%	0.3531	0.3531	0.3531
Stay with participant	2	37	81.08%	81.96%	-0.0486	-0.0486	-0.0733
Other	2	37	72.97%	68.01%	0.1553	0.1553	0.1801
Unknown	1	37	--	--	--	--	--
Needs education	2	37	70.27%	67.64%	0.0813	0.0813	0.0815
<b>INFORMAL SUPPORT</b>							
SW60: Caregiver Managing Care -							
Difficulty	2	36	75.00%	70.37%	0.1563	0.1563	0.1569
Education or training needs	2	35	85.71%	54.04%	0.6892	0.6892	0.6905
Likelihood of continuation	2	37	94.59%	--	--	--	--
<b>CAREGIVER QUALITY OF LIFE</b>							
SW61: Caregiver Stress							
SW62: Caregiver Coping - Difficulty							
Need for a break	5	37	67.57%	31.48%	0.5267	0.7090	0.7197
Respite care	2	37	78.38%	51.64%	0.5529	0.5529	0.5564
SW63: Caregiver Support							
	4	37	62.16%	36.89%	0.4005	0.5861	0.6080

<sup>a</sup> Analyses based on 72 Social Work pairs. Valid data pairs consist of those data points for which both care providers coded a valid response for the COCOA item.

**TABLE 3C.8: Agreement Statistics for Selected Items on the Participant Satisfaction Questionnaire.<sup>a</sup>**

<b>COCOA ITEM</b>	<b>Number of Categories</b>	<b>No. of Valid Pairs of Data</b>	<b>Percent Agreement</b>	<b>Expected % Agreement</b>	<b>Nominal Kappa</b>	<b>Weighted Kappa</b>	<b>Pearson Correlation</b>
<b>PARTICIPANT SATISFACTION</b>							
PSQ4: Transportation - Usage	2	65	100.00%	94.04%	1.0000	1.0000	1.0000
PSQ5: Transportation - Satisfaction with services	5	61	67.21%	52.19%	0.3142	0.3460	0.3506
PSQ6: Transportation - Satisfaction with van drivers	3	60	85.00%	69.17%	0.5135	0.6959	0.7041
PSQ7: Transportation - Satisfaction with timeliness	5	60	71.67%	45.75%	0.4777	0.7599	0.7768
PSQ8: Provider-Participant Communication - Staff explains things	4	67	82.09%	74.47%	0.2984	0.5903	0.5928
PSQ9: Provider-Participant Communication - Staff listens	5	67	80.60%	68.75%	0.3792	0.5523	0.5607
PSQ10: Provider-Participant Communication - Staff shows respect	5	67	88.06%	69.77%	0.6050	0.7857	0.7940
PSQ11: Provider Respect for Wishes - Staff tells about choices for care	5	64	84.38%	66.72%	0.5304	0.7419	0.7454
PSQ12: Provider Respect for Wishes - Staff respects wishes for care	5	67	85.07%	68.88%	0.5204	0.3909	0.3914
PSQ13: Provider Respect for Wishes - Involvement in decisions	5	67	76.12%	59.92%	0.4041	0.6772	0.6988
PSQ14: Provider Competency - Staff able to help	5	66	77.27%	66.67%	0.3182	0.6313	0.6354
PSQ15: Provider Competency - Staff arranging care	4	66	89.39%	79.41%	0.4849	0.6774	0.6829
PSQ16: Treatment of Illness	4	52	78.85%	75.78%	0.1267	0.4375	0.4448
PSQ17: Overall Program - Doctors	3	67	95.52%	77.63%	0.7998	0.6587	0.6630
Nurses	4	66	90.91%	79.38%	0.5590	0.8063	0.8079
Social workers	4	65	87.69%	73.18%	0.5410	0.4639	0.5015
Therapists	4	55	85.45%	78.48%	0.3241	0.6746	0.7253
Meals	5	67	79.10%	52.75%	0.5578	0.7004	0.7006
Recreation/activities	4	58	82.76%	57.55%	0.5938	0.5978	0.6189
Personal care services	4	35	82.86%	72.33%	0.3805	0.7948	0.8041
Home care staff	4	46	69.57%	56.57%	0.2992	0.5487	0.5504
PSQ18: Overall Program - Care received	4	69	81.16%	72.23%	0.3215	0.6488	0.6525
PSQ19: Overall Program - Recommendation to friend/family	3	68	79.41%	58.61%	0.5026	0.6502	0.6581

<sup>a</sup> Analyses based on 69 PSQ pairs. Valid data pairs consist of those data points for which both care providers coded a valid response for the COCOA item.

**TABLE 3C.9: Agreement Statistics for Items on the Caregiver Satisfaction Questionnaire.<sup>a</sup>**

<b>COCOA ITEM</b>	<b>Number of Categories</b>	<b>No. of Valid Pairs of Data</b>	<b>Percent Agreement</b>	<b>Expected % Agreement</b>	<b>Nominal Kappa</b>	<b>Weighted Kappa</b>	<b>Pearson Correlation</b>
<b>DEMOGRAPHIC INFORMATION</b>							
CSQ4: Caregiver Race/Ethnicity -							
American Indian or Alaska Native	1	60	--	--	--	--	--
Asian	1	60	--	--	--	--	--
Black or African-American	2	60	100.00%	66.06%	1.0000	1.0000	1.0000
Hispanic or Latino	2	60	100.00%	82.00%	1.0000	1.0000	1.0000
Native Hawaiian or Pacific Islander	1	60	--	--	--	--	--
White	2	60	98.33%	80.67%	0.9138	0.9138	0.9172
Unknown	1	60	--	--	--	--	--
CSQ5: Caregiver Relationship to Participant	6	62	88.71%	45.37%	0.7933	0.9625	0.9679
<b>CAREGIVER SATISFACTION</b>							
CSQ8: Provider-caregiver communication - Staff explains things	4	61	80.33%	56.22%	0.5506	0.5194	0.5275
CSQ9: Provider-caregiver communication - Staff listens	4	63	88.89%	64.78%	0.6845	0.7672	0.7749
CSQ10: Provider-caregiver communication - Staff shows respect	4	62	82.26%	66.02%	0.4778	0.5718	0.5737
CSQ11: Overall Program -							
Doctors	5	60	91.67%	73.58%	0.6845	0.8804	0.8882
Nurses	3	59	86.44%	69.64%	0.5535	0.6040	0.6086
Social workers	4	61	90.16%	70.03%	0.6717	0.7313	0.7340
Therapists	4	46	89.13%	66.35%	0.6770	0.8777	0.8777
Meals	4	55	87.27%	50.38%	0.7435	0.7645	0.7664
Recreation/activities	4	54	88.89%	55.86%	0.7483	0.5366	0.5408
Personal care services	4	37	78.38%	56.54%	0.5025	0.5460	0.5690
Home care	5	39	87.18%	61.34%	0.6684	0.7797	0.8450
Transportation	5	57	89.47%	43.21%	0.8146	0.9696	0.9702
Respite care	2	7	100.00%	75.51%	1.0000	1.0000	1.0000
CSQ12: Overall Program - Care received	4	63	84.13%	73.82%	0.3936	0.7337	0.7586
CSQ13: Overall Program - Recommendation to friend/family	3	64	87.50%	69.41%	0.5914	0.7020	0.7086

<sup>a</sup> Analyses based on 64 CSQ pairs. Valid data pairs consist of those data points for which both care providers coded a valid response for the COCOA item.