Part V: Specific Behavior Scales-Sleep Scales   Based on past month   First 4 items ask for   time or amount of   sleep quality Sleep   Items 5-18 items rated   0 = not in the past   5-10   General   a=.83	Assessment Tool	Behavioral Domains	Who Administers and How	Number of Items	Response Categories	Estimated Time to Administer	Setting and Target Population	Reliability and Validity
41. Pittsburgh Sleep Quality Index (PSQI) Self-rated or sleep medications Daytime dysfunction Attend values of Sleep medications Sleep medications Daytime dysfunction Attend values of Sleep medications Sleep medications S	41. Pittsburgh Sleep Quality	Domains Sleep quality Sleep latency Sleep duration Habitual sleep efficiency Sleep disturbances Use of sleep medications	and How Pa Self-rated or patient	Items art V: Specific 19-items self- rated 5-items rated by bedpartner or roommate are part of the original scale but are not included in the scoring	Categories Behavior Scales-Sleep Based on past month First 4 items ask for time or amount of sleep Items 5-18 items rated 0 = not in the past month to 3 = three or more times a week 1 global item rated 0 = very good to 3 = very bad Scoring is done in 7	Administer Scales 5-10 minutes for subject to complete; 5 minutes to	General population in all health care settings, has been used with patients with	a=.83 Test-retest: no difference found (t=2.32, p=.03) Sensitivity 89.6%, specificity 86.5% (kappa=.75, p<.001) in distinguishing good and

Assessment Tool	Behavioral Domains	Who Administers and How	Number of Items	Response Categories	Estimated Time to Administer	Setting and Target Population	Reliability and Validity
42. The Sleep Disorders Inventory (SDI)	Sleep	Informant interview	7 items rated by frequency, severity and caregiver distress	3	Not specified	AD patients in community and living with caregiver	Content validity: correlation with NPI sleep subscale r=.341, p<.05

Assessment Tool	Behavioral Domains	Who Administers and How	Number of Items	Response Categories	Estimated Time to Administer	Setting and Target Population	Reliability and Validity		
43. Epworth Sleepiness Scale (ESS)	Daytime sleepiness	Patient or informant interview	8 items	Based on recent times (no exact period given) Rated 0 = no chance of dozing to 3 = high chance of dozing Range 0-24 Higher scores indicate greater daytime sleepiness Scores of >= 10 indicate above normal daytime sleepiness	Not specified	General population in any health care setting, has been used in studies of people with dementia	Internal consistency a=.74- .88		
<sup>1</sup> The Behavioral Do a = Cronbach's alp ABID = Agitated Be ABS = Aggressive B ADL = Activities of AES - C = Apathy B AES - I = Apathy B AES - S = Apathy B AES = Apathy Eval AI = Activity Inven AWS = Algase Wan V2 = version 2 BAI = Beck Anxiety BARS = Brief Agita	Table 1. Notes <sup>1</sup> The Behavioral Domain column lists area using the labeling of behaviors as reported within the cited article.   a = Cronbach's alpha   ABID = Agitated Behavior in Dementia Scale   ABS = Aggressive Behavior Scale   ADL = Activities of Daily Living   AES - C = Apathy Evaluation Scale - Clinician   AES - I = Apathy Evaluation Scale - Informant   AES - S = Apathy Evaluation Scale - Self   AES = Apathy Evaluation Scale   AI = Activity Inventory   AWS = Algase Wandering Scale								

Assessment Tool	Behavioral Domains	Who Administers and How	Number of I tems	Response Categories	Estimated Time to Administer	Setting and Target Population	Reliability and Validity				
BSSD = Behavioral	Syndromes Scale for D	Dementia					•				
CABOS = Computer	Assisted Behavioral O	bservation Syst	ems								
CCL - A = Cognition	Checklist for Anxiety										
CCL - D = Cognition	CCL - D = Cognition Checklist for Depression										
CDR = Clinical Dementia Rating Scale											
CES-D = Center for	Epidemiologic Studies	Depression Sca	ale								
CMAI = Cohen Mans	field Agitation Invento	bry									
CMAI = Cohen-Mans	sfield Agitation Invento	ory									
CSDD = Cornell Sca	le for Depression in De	ementia									
DAIR = Dementia A	pathy Interview and Ra	ating Scale									
DASS = Depression	Anxiety Stress Scale										
DBD = Dementia Be	havior Disturbance Sc	ale									
DBRS = Disruptive B	Behavior Rating Scales	i									
DMAS = The Demen	tia Mood Assessment	Scale									
DSM-IV = Diagnosti	c and Statistical Manua	al of Mental Dis	orders IV								
DSS = Dementia Sig	gns and Symptoms Sca	ale									
ESS = Epworth Slee	piness Scale										
FrSBe = Frontal Sys	tem Behavioral Scale										
GAI = Geriatric Anxi	iety Inventory										
GDS = Geriatric Dep	pression Scale										
HADS = Hospital An	xiety and Depression S	Scale									
HAM-A = Hamilton F	Rating Scale for Anxiet	У									
HAM-D = Hamilton F	Rating Scale for Depre	ssion									
HD = Huntington's	Disease										
IADL = Instrumenta	I Activities of Daily Liv	ring									
IAS = Irritability Apa	athy Scale										
KBCI = Key Behavio	r Change Inventory										
LARS = Lille Apathy	Rating Scale										
MCI = Mild Cognitive	e Impairment										
MDS = Minimum Da	ta Set										
mMMSE = Modified	Mini-Mental Status Exa	am									
MOAS = Modified Over	vert Aggression Scale										
NHBPS = The Nursir	ng Home Behavior Prol	olem Scale									
NOISE = Nurse Orie	nted Scale for Inpatier	nt Evaluation									
NOSGER = Nurses' (	Observation Scale for (	Geriatric Patien	ts								

Assessment Tool	Behavioral Domains	Who Administers and How	Number of I tems	Response Categories	Estimated Time to Administer	Setting and Target Population	Reliability and Validity
NPI = Neuropsychia	atric Inventory						
NPI-C = Neuropsych	hiatric Inventory - Clin	ician					
NPI-Q = Neuropsyc	hiatric Inventory - Que	estionnaire					
NRS = The Neuro-b	ehavioral Rating Scale						
OAS = Overt Aggres	ssion Scale						
OASS = Overt Agita	tion Severity Scale						
PANSS = Positive an	nd Negative Symptom	Scale					
PAS = Pittsburgh Ag	gitation Scale						
PD = Parkinson's Di	sease						
PHQ-9 = Patient He	alth Questionnaire - 9						
PLUT = Plutchik Sca	ale						
PSQI = Pittsburgh S	Sleep Quality Index						
RAGE = Rating Scal	e for Aggressive Behav	vior in the Elder	ly				
RAID = Rating Anxi	ety in Dementia						
RAS = Ryden Aggre	ession Scale						
RMBPC = Revised N	lemory and Behavior P	roblem Checklis	st				
SANS = Scale for th	ne Assessment of Nega	tive Symptoms					
SDI = The Sleep Dis	sorders Inventory						
SF - 20 = 20-item S	Short Form Survey						
TBI = Traumatic Bra	ain Injury						
Brief Psychiatric Rat	ting Scale not included	since generally	used to assess	s psychosis in patients v	vith schizophre	enia.	
Scale for the Assess with schizophrenia.	sment of Negative Sym	nptoms (SANS)	and Positive an	d Negative Symptom So	ale (PANSS) a	re not included si	nce primarily used in patients
Unified Parkinson's	Disease rating scale no	ot included as it	is a single iten	n for apathy that does n	ot have any re	liability measure	
internal reliability, r	-	not contribute to	depression sev	verity, response options	-	-	dard. While it has adequate reliability is poor. Content
				ddress behavior. The Nu because validity has not			/INE Your Nutritional Health
GDS was not include (Burke, 1989; Korne		lies have found	it not to be as i	reliable and valid in a de	ementia popula	ation as in the ger	neral geriatric population

Assessment Tool	Behavioral Domains	Who Administers and How	Number of Items	Response Categories	Estimated Time to Administer	Setting and Target Population	Reliability and Validity			
CES-D was not inclu	uded as there was no e	vidence of relia	bility and valid	ity in a dementia popula	ation.					
State/Trait anxiety s	State/Trait anxiety scale: originally published prior to 1980.									
Geriatric Evaluation	by Relative's Rating I	nstrument (GEF	RI) Schwartz, (	G. (1983). Development	t and validatio	n of the Geriatric	Evaluation by Relative's Rating			
Instrument (GERRI)	. Psychological Report	s. 53:479-88-n	ot included bec	ause there is no subsca	le for neurops	ychiatric symptom	ns.			
Clinical Assessment	of Psychopathology a	mong Elderly Re	esidents (CAPE	R): Reichenfeld (1992) r	not included be	ecause it does not	address specific behaviors of			
dementia-it is for di	agnosis of psychotic d	isorders. It is a	lso based on ps	ychiatrist interview.						