

## Comparison Grid of Pain Assessment Tools for Non-verbal Older Adults Rated on Evaluation Criteria

	Conceptualization	Subjects & Setting	Administration, Scoring, Feasibility	Reliability	Validity	Sum of Scores
Abbey	1	1	1	1	1	5
*ADD Protocol	2	2	2	1	2	9
CNPI	2	2	2	2	2	10
CPAT	1	1	1	0	1	4
DBS/MDS	2	2	0	1	2	7
Dis DAT	1	1	1	0	1	4
DS-DAT	2	2	1	2	2	9
Doloplus 2	2	2	2	2	2	10
EPCA-2	2	2	1	2	2	9
FLACC	0	1	0	1	1	3
MOBID	2	1	1	1	1	6
NOPPAIN	2	2	2	2	2	10
PACSLAC	2	2	2	2	2	10
PADE	1	2	2	1	2	8
PAINAD	2	3	3	3	2	13
PAINE	2	2	1	2	1	8
PBOICIE	1	1	0	1	1	4

\*ADD Protocol is not included as an assessment tool, but as a protocol for validating presence of pain.

### Key to categories for evaluation

Conceptualization is a composite score based on purpose, conceptual basis, item generation and content validity.

Reliability: a composite score including internal consistency reliability, interrater reliability and test-retest reliability.

Validity: a composite score including criterion related and/or construct validity.

### Key to rating

3= Available evidence is strong

2= Available evidence supports need for further testing

1= Available evidence is insufficient and/or tool revisions are needed

0= Evidence is absent

### Full name of tools

- Abbey: The Abbey Pain Scale (Abbey, J., et al., 2004)
- ADD: The Assessment of Discomfort in Dementia Protocol, (Kovach, C.R., et al., 1999)
- CNPI: Checklist of Nonverbal Pain Indicators, (Feldt, K., 1996)
- CPAT: Certified Nurse Assistant Pain Assessment Tool, (Cervo, F. A. et al., 2007)
- DBS/MDS: Discomfort Behavior Scale, (Stevenson, K. M. et al., 2006).
- Dis DAT: Disability Distress Assessment Tool, (Regnard, C. et al., 2007).
- Doloplus 2: The Doloplus 2, (Wary, B. and the Doloplus Group, 2001)
- DS-DAT: The Discomfort Scale-Dementia of the Alzheimer's Type, (Hurley, A., et al., 1992)
- FLACC: The Face, Legs, Activity, Cry and Consolability Pain Assessment Tool, (Merkel, S.I., et al., 1997)
- EPCA-2: Elderly Pain Caring Assessment 2 (Morello, R. et al., 2007)
- MOBID: Mobilization-Observation-Behavior-Intensity-Dementia Pain Scale (Husebo, B. S. et al., 2007).
- NOPPAIN: Nursing Assistant-Administered Instrument to Assess Pain in Demented Individuals, (Snow, A.L., et al., 2001)
- PACSLAC: The Pain Assessment Checklist for Seniors with Limited Ability to Communicate, (Fuchs-Lacelle, S.K., et al., 2004)
- PADE: Pain Assessment for the Dementing Elderly, (Villaneuva, M.R., et al., 2003)
- PAINAD: The Pain Assessment in Advanced Dementia Scale, (Warden, V., et al., 2003)
- PAINE: Pain Assessment in Noncommunicative Elderly Persons (Cohen-Mansfield, J., 2006).
- PBOICIE: Pain Behaviors for Osteoarthritis Instrument for Cognitively Impaired Elders (Tsai, P. F. et al., 2008).