

Examples of Intervention Outcome Studies Based on the Cognitive Disabilities Model

Background: This table includes examples of intervention outcome studies (1999-2020) that used scores from the ACLS-90/LACLS-90 and the ACLS-5/LACLS-5 as part of an evaluation to inform interventions based on the cognitive disabilities model (CDM). Although not an exhaustive list, these studies are intended to orient readers to studies that reflect this body of evidence for the CDM. See p. 2 for references for the studies in this table and for the CDM and associated assessments.

Table 1: *Examples of Intervention Outcome Studies Based on the Cognitive Disabilities Model*

Study Authors ^a	Population	Design/Sample Size	CDM Tests	Intervention	Significant Outcomes ^b
Chapleau, Seroczynski, Meyers, Lamb, & Buchino (2012)	Adults with mental illness at risk for homelessness, community support program	Repeated measure experimental design (N = 57)	ACLS-90	Occupational therapy consultation based in part on CDM-ACL-II	Housing stability, individualized goals improved
Gitlin, Mann, Vogel, & Arthur (2013)	Community-dwelling older adults with dementia and caregivers	Phase III efficacy trial (N = 160 dyads)	LACLS-5; ADM-2	TAP-VA (includes CDM-ACL-II)	QoL improved; challenging behaviors reduced
Gitlin et al. (2008, 2009)	Community-dwelling older adults with dementia and caregivers	Randomized pilot study (N = 60 dyads)	ACLS-90; LACLS-90; ADM-2	TAP (includes CDM-ACL-II and caregiver education)	Challenging behaviors reduced; engagement, expressions of pleasure increased; caregiver confidence increased
Gitlin, Winter, Dennis, Hodgson, & Hauck (2010)	Community-dwelling older adults with dementia and caregivers	RCT Intervention outcome study; (N = 237 dyads)	ACLS-90, LACLS-90, ADM-2	COPE (includes CDM-ACL-II)	Client dependence reduced; engagement improved; caregiver confidence, well-being improved
Gitlin, Marx, Alonzi, et al., (2017)	Hospitalized adults with mental illness or dementia	Feasibility study, time series design with multiple observations (N = 20)	ACLS-5, LACLS-5, ADM-2	CDM-ACL-II, TAP	Feasibility study determined intervention to be effective
Holm, et al. (1999)	Dementia and mental illness: inpatient geriatric care unit	Intervention outcome study, evaluation at admission and discharge (N = 250)	ACLS-90	CDM-ACL-II & pharmacological intervention	Agitated behaviors reduced; function by discharge improved
Ngoh, Lewis, & Connolly (2005)	Inpatient geriatric: psychiatry unit	Intervention outcome study, evaluation at admission & discharge (N = 106)	ACLS-90	CDM-ACL-II	Function by discharge improved
Raweh & Katz (1999)	Adults with schizophrenia: outpatient (Israel)	Treatment effectiveness; study group (n=11); control group (n=8)	ACLS-90, RTI-2	CDM-ACL-II	Cognitive abilities, ADLs/IADLs improved more for study group than control group by discharge
Taylor, Wesson, Sherrington, et al. (2020)	Older people with cognitive impairment living in community	RCT; Intervention outcome study; intervention group (n=153); control group (n=156)	LACLS-5; ADM-2	Falls Prevention Program CDM-ACL-II	Fall rate reduced for group with better baseline physical function; multiple falls reduced for intervention group
Wesson, Clemson, Brodaty, Lord, et al. (2013)	Community-dwelling older adults with mild dementia and caregivers (Australia)	RCT feasibility study, (N = 22 dyads)	LACLS-5	Falls Prevention Program CDM-ACL-II	Intervention determined to be acceptable for preventing falls

Note. Gray fill = Version 5 Study; ADL=activities of daily living; ADM-2=Allen Diagnostic Module-2; CDM-ACL-II=Cognitive Disabilities Model-Allen Cognitive Level-Individualized Intervention; COPE=Care of Persons with Dementia in their Environments; IADL= instrumental activities of daily living; LACLS-5=Large Allen Cognitive Level Screen; QoL=quality of life; RC =randomized controlled trial; RTI-2=Routine Task Inventory-2; TAP=Tailored Activity Program; ^aSee next page for complete references.

^bUnless noted, reported outcomes were significant. Educational resource developed by D. B McCraith in 2017, revised for the *Manual for Version 5 of the Allen Cognitive Level Screen* (2nd ed.; 2022, p. 82), and revised for this document. Copyright 2017, 2022, 2023 by the ACLS and LACLS Committee. Used with permission.

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For more information about the cognitive disabilities model and associated assessments, refer to:

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