Table IV: Findings of the Systematic Mapping Review

CITATION	RESEARCH OUTCOME	APPLICATION OF THE MODEL	TOOLS	STRENGTHS THEMES	WEAKNESSES AND *CHALLENGES THEMES
1. Adams (2016)	A new tool to assess collective participation was developed.	Assessment	Collective participation assessment (new)	Contribution of the VdTMoCA to the OT profession; Measuring, predicting and advising.	Unreported theoretical foundations; *Poorly promoted and documented; Insufficient research; *Complex model, difficult to learn.
2. Adams and Casteleijn (2023)	Generation of five domains: motivation, action, product, collective relations, and emotive-cognitive functioning with 19 associated items to assess collective participation.	Assessment	Collective participation assessment (new)	Not mentioned	Not mentioned
3. Bahgoo (2018)	Mirror therapy is effective in improving mental and physical impairments in stroke survivors who present with severe mental impairments.	Intervention; Outcome measurement.	APOM	Assessment and outcome measurement.	None mentioned.
4. Brooke (2015)	There was no improvement in the level of activity participation of MHCUs in a forensic setting	Intervention Outcome measurement.	APOM	Assessment and outcome measurement. Measuring, predicting and advising.	None mentioned.

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5. Camp et al. (2020)	Both APOM and FIM+FAM are responsive to track change in TBI patients. The APOM includes more OT-related items to address in the rehabilitation of TBI patients.	Outcome measurement.	APOM	Assessment and outcome measurement; Measuring, predicting and advising.	Unreported theoretical foundations.
6. Campbell Breen (2004)	Professional conceptualisation and treatment of motivation should place priority on stories rather than behaviours, events and experiences throughout life rather than a single experience.	Assessment; Intervention.	n/a	Contribution of the VdTMoCA to the OT profession.	*Poorly promoted and documented.
7. Carpenter (2016)	The CPA is a versatile, appropriate and sensitive tool in forensic mental health settings. A broad range of familiar and unfamiliar activities is vital in accurate scoring in the CPA. The CPA enables clear identification of patients' skills and deficits, which support treatment needs and priorities for OT. VdTMoCA's unique intervention principles are recognised as attracting OTs to use this model.	Assessment; Intervention; Outcome measurement.	CPA	Assessment and outcome measurement; Guiding the OT process and clinical reasoning; Adding value to the profession and improving the professional identity of occupational therapists.	*Complex model, difficult to learn; *Lack of education and training opportunities; *Inconsistent/unfamiliar terminology.

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8. Carter (2013)	Levels of activity participation (as measured by the APOM) for most patients improved over the course of the in-patient admission. The APOM is sensitive and suitable for use in adult acute mental health settings.	Outcome measurement.	APOM	Assessment and outcome measurement; Measuring, predicting and advising.	None mentioned.
9. Casteleijn and Smit (2002)	The CPA is an acceptable tool to measure creative participation in a population of Schizophrenia but needs further investigation.	Assessment.	CPA	Non mentioned.	*Poorly promoted and documented; *Inconsistent/unfamiliar terminology.
10. Casteleijn and de Vos (2007)	The Model of Creative Ability assists therapists in describing occupational performance and explaining the effects of brain injury on participation. Patients with erratic behaviour, unable to undergo standardised assessments, can be effectively characterized for the medico-legal field using motivation and action levels outlined in the VdTMoCA.	Assessment.	CPA	Measurement, predicting and advising.	*Inconsistent/unfamiliar terminology; *Poorly promoted and documented; Insufficient research.

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11. Casteleijn (2014)	The findings confirm the clinical belief of occupational therapists that the levels of creative ability indeed exist.	Assessment; Outcome measurement.	FLOM; CPA; APOM	Assessment and outcome measurement.	Insufficient research; Unreported theoretical foundations.
12. Dawes (2021)	Using the VdTMoCA and the APOM in forensic mental health care settings positively impact the experience of OT practice, reducing frustration, clearer understanding and confidence in the OT's role, deeper understanding of patients, more able to motivate patients and risk assessment, raises profile of OT, communicates evidence to team, and identifies areas for service development.	Assessment; Intervention; Outcome measurement.	APOM	Intervention at the just right challenge for growth; Guiding the OT process and clinical reasoning; Assessment and outcome measurement; Adding value to the profession and improving the professional identity of occupational therapists.	*Complex model, difficult to learn; Insufficient research.
13. DeBruyn and Wright (2017)	The VdTMoCA may be used to assist clients to access and retain sustainable employment in the open labour market by facilitating the provision and grading of activities appropriate to an individual's current level of creative ability.	Intervention.	n/a	Measuring, predicting and advising.	Unreported theoretical foundations.

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14. DeWitt (2003)	Therapists are using the existing five components in task concept in assessment of the level of creative ability. How the task concept components interact and influence each other has been reorganised into a revised conceptual framework.	Assessment.	n/a	Guiding OT process and clinical reasoning.	*Poorly promoted and documented; Insufficient research.
15. Girardi and Zywicka-Rospond (2020)	Individuals who engaged in violent behaviours showed lower scores on a range of activity participation domains measured with the APOM.	Outcome measurement.	APOM	Assessment and outcome measurement.	None mentioned.
16. Jansen and Casteleijn (2009)	There are more positive treatment outcomes when treating patients with diabetic foot complications with occupational therapy that is tailored to the level of motivation, as opposed to occupational therapy that is not tailored.	Intervention; Outcome measurement.	CPA	Assessment and outcome measurement.	*Inconsistent/unfamiliar terminology; Insufficient research.

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17. Jeffers (2015)	Five themes: Language; Begin to develop model within service; usefulness of the model: Unsatisfied with other modules; Negatives/barriers for using the VdTMoCA.	Assessment; Intervention; Outcomes.	n/a	Contribution of the VdTMoCA to the OT profession; Adding value and improving the professional identity of occupational therapists; Guiding OT process and clinical reasoning.	*Inconsistent/unfamiliar terminology; *Complex model, difficult to learn.
18. Lee (2018)	The development of an outcome measure for use in the field of neurology, to assess and treat patients according to their specific level of motivation and action using principles from the VdTMoCA.	Outcome measurement	Motivation and Action in Neurological Rehabilitation Outcome Measure (MANROM) (new)	Measuring, predicting and advising.	None mentioned.
19. Monareng et al. (2021)	Manufacturing and service businesses run independently were more likely to succeed for Imitative and active participation. Self-employment with regular supervision for passive participation	Assessment.	APOM	Measuring, predicting and advising.	None mentioned.

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20. Nepaul (2017)	Psychotic patients that abuse substances, respond better to OT treatment when compared to patients who are psychotic without substance abuse.	Outcome measurement.	APOM	Non mentioned.	Not mentioned.
21. Pillay (2016)	The APOM was found to be responsive in tracking activity participation in adolescents during inpatient admission, and determining whether the progress is maintained post-discharge. This finding indicates that the eight-week OT programme was effective for this population.	Outcome measurement.	APOM	Assessment and outcome measurement; Measuring, predicting and advising.	Not mentioned.
22. Rice (2011)	Four assessment methods were determined: interviewing, activities, collateral info and standardised assessments. The Activity Participation Assessment (APA) protocol successfully compiled a variety of assessment method examples for the eight domains of the APOM.	Assessment.	APOM and APA	Not mentioned.	Not mentioned.

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23. Samsonraj et al. (2012)	Correlations between scores on the VdTMoCA assessment and GAF suggest that the VdTMoCA assessment has concurrent validity for use as an occupational therapy outcome measure. The COPM did not prove to be a practical measure within mental health provision.	Outcome measurement.	CPA	Contribution of the VdTMoCA to the OT profession; Assessment and outcome measurement; Measuring, predicting and advising.	*Inconsistent/unfamiliar terminology; Insufficient research.
24. Sherwood (2005)	Three themes emerged: Using VdTMoCA helps OTs maintain their identity and describe clients' functional abilities, but its non-medical terminology can confuse team members; methods and processes revealed that observation, interviews, use of groups and activities were used; and that pre and post-assessment with the model was useful and valid.	Assessment; Intervention.	n/a	Contribution of the VdTMoCA to the OT profession; Assessment and outcome measurement.	Unreported theoretical foundations; *Complex model, difficult to learn.

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25. Silaule and Casteleijn (2021)	This study revealed a significant positive change in patients' activity participation in a rural hospital attending the OT programme during hospitalisation; patients showed a substantial decline in activity participation after discharge which indicated poor integration into their communities.	Intervention; Outcome measurement.	APOM	Assessment and outcome measurement; Measuring, predicting and advising.	Not mentioned.
26. Turnbull et al. (2002)	The Creative Ability Scale and Glasgow Coma Scale had a high level of agreement suggesting parallels between creative ability and neurobiological recovery in head-injured patients. The theory of creative ability offers a well-developed schedule of management strategies and techniques that may be useful with a head-injured patient.	Assessment.	Creative Ability Grid	Measuring, predicting and advising.	Not mentioned.

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27. Van der Linde and Casteleijn	The excellent correlation between an Occupational Therapy tool, the CPA and a nursing tool, the FSHS provided the necessary information to guide the healthcare team to design and implement appropriate intervention.	Assessment	CPA	Measuring, predicting, advising.	Insufficient research
28. Van der Reyden (2017)	The Analytical Survey Method (ASM) remains a powerful tool in enabling practitioners to evaluate and develop their services, thereby ensuring cost-efficient and therapeutically effective treatment outcomes for the clients they serve.	Screening; Assessment; Intervention.	ASM	Contribution of the VdTMoCA to the OT profession; Guiding OT process and clinical reasoning; Measuring, predicting and advising.	*Complex model, difficult to learn.
29. Van de Vyver and Willemse (2006)	A screening tool has been developed to assist healthcare professionals in assessing individuals with severe and profound disabilities, their level of sensory processing, sensory awareness and motivation.	Screening.	New screening tool	Measuring, predicting and advising.	*Inconsistent/unfamiliar terminology.

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30. Wolhuter 2014	Early substance abuse, especially cannabis, negatively impacts activity participation into adulthood, with chronic schizophrenia patients showing lower participation levels than those with substance abuse. Cannabis compared to alcohol, showed more negative and severe impact on the level of activity participation.	Assessment.	APOM	Not mentioned.	Not mentioned.