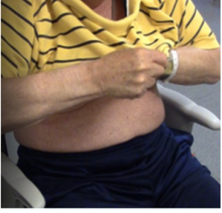


Occupation-centred community-based cognitive rehabilitation



Background: Occupational therapists seek interventions that align with the profession's core competency for use in non-specialised community-based cognitive rehabilitation.

Aim: Evaluate the feasibility and effectiveness of the Perceive, Recall, Plan, Perform (PRPP) Intervention.

Method: Single case experimental designs with multiple baselines.

Three to five measurements using the PRPP Assessment in each phase: baseline, intervention, post-intervention, and follow-up. Visual inspection of graphed data, Tau-*U* statistical analysis, clinical significance.

Participants (n=10): Acquired brain injury, problems with everyday tasks due to cognitive challenges. Either community-based home- or inpatient rehabilitation.

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OSLOMET

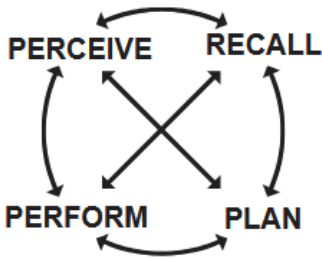
NTNU

Faculty of Medicine
and Health Sciences
Department of Health
Sciences Gjøvik



Procedure: Nine PRPP Interventions provided by OTs over three weeks.

PRPP Intervention:



Improved task mastery
 Systematic instruction
 Observational strategies
 - across quadrants
 Used in everyday tasks

Chapparo & Ranka. PRPP quadrant wheel <https://www.occupationalperformance.com/>

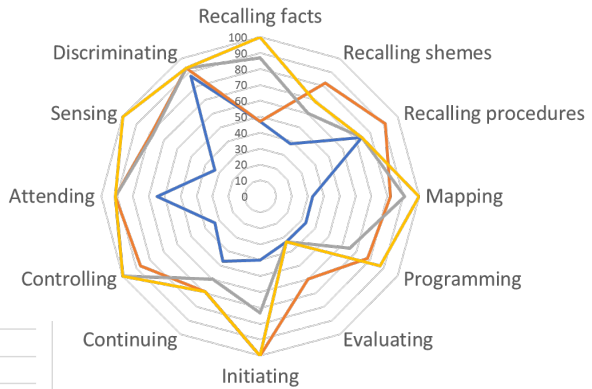
Example:

Julie (60)

Traum. brain injury

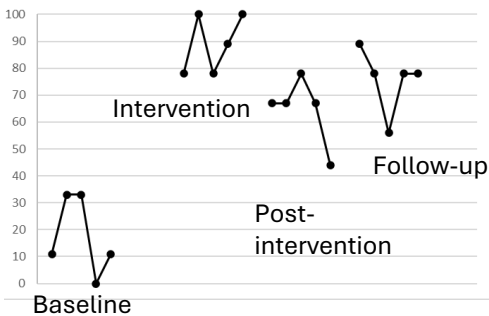
Morning routines

— Baseline — Intervention — Post-intervention — Follow-up



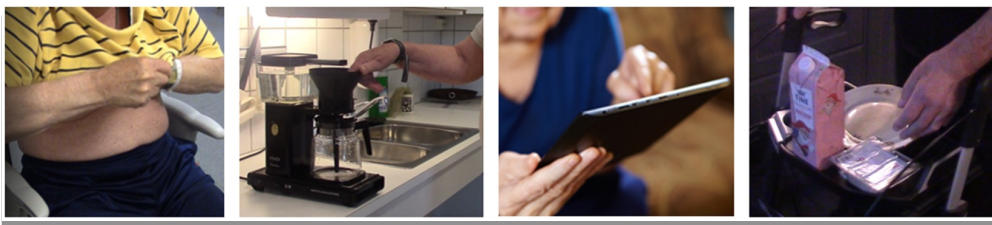
PRPP stage 2 –
 Cognitive strategy use profile

PRPP stage 1 - % task mastery



Example from: Lindstad, M. Ø., Obstfelder, A. U., Sveen, U., & Stigen, L. (2025). Evaluating the PRPP Intervention for individuals with brain injury at local inpatient rehabilitation facilities: multiple baseline designs. *Neuropsychological Rehabilitation*, 1-28.





Is the PRPP Intervention **feasible** in a community-based rehabilitation context when used by generalist occupational therapists with elderly participants?

 **Yes**

Did the PRPP Intervention **improve task mastery** in participants with cognitive challenges following brain injury?

 **Yes**

Did the PRPP Intervention **improve the use of cognitive strategies**?

 **Yes**

Conclusion: The PRPP Intervention enables occupational therapists to systematically target cognitive challenges using real-world tasks, aligning with the profession's **core competencies**.