

Article title: Multimodal Cognitive Training and Executive Functions in Public Managers: A Preregistered Randomized Controlled Trial Targeting Working Memory and Inhibitory Control

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Online Resource 1

Definition and Computation of Cognitive Outcome Variables

Domain	Measure	Definition	Computation
WM	Digit Span	Storage index	Mean of standardized total-correct and span scores
WM	2-Back	Manipulation index	Mean of standardized d' and reverse-scored RT
WM	WM composite	Primary WM outcome	Mean of storage and manipulation indices
IC	Stroop	Interference-control index	Mean of reverse-scored standardized RT and ACC interference
IC	Go/No-Go	Response-inhibition index	Mean of standardized d' and reverse-scored RT
IC	IC composite	Primary IC outcome	Mean of Stroop and Go/No-Go indices

Note. WM = working memory; IC = inhibitory control; RT = reaction time; ACC = accuracy. Sensitivity (d') was calculated as $d' = Z(\text{hit rate}) - Z(\text{false-alarm rate})$, with a log-linear correction applied to extreme proportions (0 or 1). All standardized scores were computed using the baseline sample mean and standard deviation as reference values; RT-based scores were reverse-scored so that higher values consistently indicated better performance.