

SIF Propensity Score Matched (PSM) Reporting Checklist



This is a general checklist of information which SIF intermediaries and subgrantees should consider when reviewing evaluation reports containing Propensity Score Matched (PSM) approaches, and which CNCS hopes to have for such evaluations. Use the checklist if you find it helpful and modify it to fit your needs. Note that PSM approaches are used for constructing comparison groups in impact evaluations with a quasi-experimental design. These impact studies estimate program impacts by comparing outcomes for participants receiving the intervention with outcomes in the absence of the intervention, which is represented by the experiences of the comparison group participants.

PSM Steps	Information to Collect and Communicate	Included in report?
Propensity Score Construction	Variables used in Propensity Score development	<input type="checkbox"/>
	How variables used were measured	<input type="checkbox"/>
	Variables associated with treatment group membership	<input type="checkbox"/>
	Distribution of Propensity Scores in the treatment and comparison groups	<input type="checkbox"/>
Matching Processes and Type	Matching procedure used (e.g. nearest neighbor, Kernel, Caliper)	<input type="checkbox"/>
	Proportion of cases matched	<input type="checkbox"/>
	Size of differences between treatment and comparison groups in observed pre-treatment characteristics after matching	<input type="checkbox"/>
Analysis Approaches	Analysis used to evaluation program impact	<input type="checkbox"/>
	How propensity scores were used in the analysis (e.g., as a variable, as a weight)	<input type="checkbox"/>
	Results are provided for both matched and unmatched samples	<input type="checkbox"/>
Special Issues	If the study design contains multiple levels (e.g., students within classrooms), how the PSM takes these levels into account	<input type="checkbox"/>
	If there are multiple treatment conditions, how the PSM takes this into account	<input type="checkbox"/>