

Preregistered data analytic plan: Psychosocial effects of a REACH forgiveness workbook intervention in South African adults

If there is at least 10% missing data on any analyzed variable, we will use multiple imputation for all variables with missing data. Throughout analyses, we will standardize outcome variables for ease of interpretation.

Hypothesis 1: The treatment effects on each of the primary outcomes of unforgiveness, decisional forgiveness, and emotional forgiveness in this analytic sample will be the same estimates reported in an omnibus paper involving several sites that are testing the efficacy of this particular intervention. Data analyses and publication of the multi-site paper will precede this site-specific paper. For details on the analytical approach that will be used in the multi-site paper, please see <https://osf.io/abw53/>.

Hypothesis 2: To estimate treatment effects on each of the seven secondary outcomes (flourishing, peace of mind, positive affect, suffering, loneliness, sleep quality, subjective health complaints), we will fit a general estimating equation model regressing each outcome at T2 on treatment (immediate treatment vs. delayed treatment). This model will include fixed effects of clusters (representing each of the communities in which data will be collected) and no other covariates. We will report the primary intention-to-treat results, both with and without multiplicity correction via the Bonferroni-Holm correction, counting the seven outcomes as tests.

Hypothesis 3: To estimate overall improvements in both the immediate treatment and delayed treatment groups at T3, we report separately for each group the mean change in each outcome between T1 and T3. We will not report p-values for this exploratory analysis.