

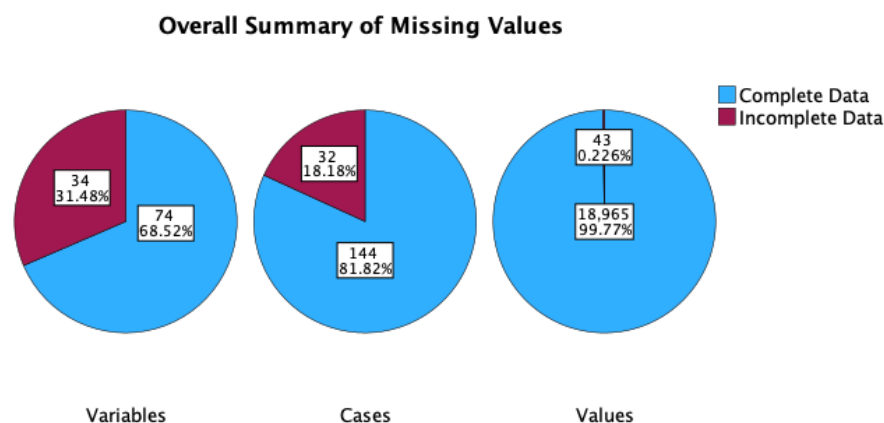
Supplementary Materials

Data Preparation

Statistical Software for Social Sciences version 29 was used for data analysis. Participants who consented to secondary analysis of their data and completed at least 90% of the items that contribute to a total score on each measure of interest (i.e., MIOS, ACES, SPOS, MSPSS, FACIT-Sp, SCS, AUDIT, CUDIT) for this study were included in data analysis (N=176). Missing data was assessed on SPSS. The breakdown of missing data is presented in Figure S1.

Figure S1

Overall Summary of Missing Values



Of the 108 variables which constitute the total scores for the variables of interest, 34 variables (31.48%) had some amount of missing data. Of the 176 participants included (i.e., completed at least 90% of the items that constitute the total scores for the variables of interest), 32 (18.18%) had some amount of missing data. Of the 19,008 values in this data, 43 (0.23%) of values were missing. As such, imputing the 43 missing values would increase our sample size for modelling from 144 to 176.

Imputation Procedure

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Little's MCAR test (Little, 1988) suggested that the missing values were missing at random [$\chi^2(3199) = 3280.84, p = 0.15$]. The Estimation Maximization procedure on SPSS was utilized to impute the missing values. Specifically, values were imputed at the subscale level. For example, values in the trust-violation subscale of the MIOS were imputed separately than values in the shame-related subscale of the MIOS. Average scores were compared between the complete case and imputed samples (Table S1).

Table S1

Average Scores and Standard Deviations for Complete Case Sample and Imputed Sample

Construct	Complete Case Sample (N=144)		Imputed Sample (N=176)	
	M	SD	M	SD
MIOS Total	22.22	10.26	22.35	10.10
ACES Total	2.54	2.35	2.49	2.33
AUDIT Total	4.02	4.80	3.97	4.83
CUDIT Total	1.94	3.97	1.85	3.92
SCS Total	2.71	0.71	2.70	0.70
MSPSS Total	5.15	1.29	5.17	1.32
SPOS Total	52.06	25.18	52.81	25.02
FACIT-Sp Total	2.01	0.82	1.98	0.83