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Social Identity and Psychosis: Associations and Psychological Mechanisms

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Appendix B

Regression Equations for Study 1

Our mediation analyses can be described as follows, where $Y_{ij}$ refers to the dependent variable (i.e., paranoia, depression, and AVH scores) and $M_{ij}$ refers to self-esteem scores for individuals (i) within survey area (j):

Equation 1:

Level 1: $Y_{ij} = \beta_{0j} + \beta_{1c} \text{IDENTITY}_{ij} + \beta_{2c} \text{AGE}_{ij} + \beta_{3c} \text{SEX}_{ij} + \beta_{4c} \text{ETHNICITY}_{ij} + \beta_{5c} \text{EMPLOYMENT}_{ij} + \beta_{6c} \text{EDUCATION}_{ij} + \beta_{7c} \text{COMORBID}_1_{ij} + \beta_{8c} \text{COMORBID}_2_{ij} + r_{ij}$

Level 2: $\beta_{0j} = \gamma_{00} + u_{0j}$

Equation 2:

Level 1: $Y_{ij} = \beta_{0j} + \beta_{1c}' \text{IDENTITY}_{ij} + \beta_{2b} \text{SELF_ESTEEEM}_{ij} + \beta_{3c} \text{AGE}_{ij} + \beta_{4c} \text{SEX}_{ij} + \beta_{5c} \text{ETHNICITY}_{ij} + \beta_{6c} \text{EMPLOYMENT}_{ij} + \beta_{7c} \text{EDUCATION}_{ij} + \beta_{8c} \text{COMORBID}_1_{ij} + \beta_{9c} \text{COMORBID}_2_{ij} + r_{ij}$

Level 2: $\beta_{0j} = \gamma_{00} + u_{0j}$

Equation 3:

Level 1: $M_{ij} = \beta_{0j} + \beta_{1a} \text{IDENTITY}_{ij} + \beta_{2a} \text{AGE}_{ij} + \beta_{3a} \text{SEX}_{ij} + \beta_{4a} \text{ETHNICITY}_{ij} + \beta_{5a} \text{EMPLOYMENT}_{ij} + \beta_{6a} \text{EDUCATION}_{ij} + \beta_{7a} \text{COMORBID}_1_{ij} + \beta_{8a} \text{COMORBID}_2_{ij} + r_{ij}$

Level 2: $\beta_{0j} = \gamma_{00} + u_{0j}$