

MIDUS has a variety of [genetic data](#) for the Core, Refresher, and MIDJA samples. This page highlights Polygenic Risks Scores (PRS) that are available for MIDUS 2 and MIDUS Refresher Biomarker participants on the [MIDUS Colectica Portal](#). The table below lists a sub-set of Polygenic Risk Scores related to phenotypes frequently studied by users of the MIDUS data. A list of publications using the indicated PRS follows.

Polygenic Risk Scores (PRS), Variable Names, and Related Phenotypes in MIDUS

PRS Categories	PRS Variable Names	Phenotypes
Mental Health	BRA6DPRSANX BRA6DPRSBPD BRA6DPRSDEP BRA6DPRSDISI BRA6DPRSMDD BRA6DPRSSWB	Anxiety ¹ Bipolar Disorder Depressive Symptoms ² Disinhibition Major Depressive Disorder Subjective Well-Being
Trait	BRA6DPRSEXTRA BRA6DPRSNEURO	Extraversion ² Neuroticism ²
Health/Biomarker	BRA6DPRSBMI BRA6DPRSLDL BRA6DPRSCHOL BRA6DPRSTRI BRA6DPRST2D BRA6DPRSWHR	Body Mass Index ² LDL Cholesterol Total Cholesterol Triglycerides Type 2 Diabetes Waist-to-Hip Ratio
Health Behavior	BRA6DPRSDPW BRA6DPRSES	Drinks Per Week ² Ever Smoked ²
Educational	BRA6DPRSEDU BRA6DPRSEA	College Education Educational Attainment ²
Cognitive	BRA6DPRSALZ BRA6DPRSCOGP	Alzheimer's Disease ³ Cognitive Performance ^{2,3}

Publications Using PRS

1. Cuevas, A. G., Mann, F. D., Williams, D.R., & Krueger, R. F. (2021). Discrimination and anxiety: Using multiple polygenic scores to control for genetic liability. *Proceedings of the National Academy of Sciences*, 118(1), e2017224118.

<https://doi.org/10.1016/j.evolhumbehav.2017.09.004>.

2. Fielder, M., & Huber, S. (2021). Fertility outcomes, heritability and genomic associations of in-group preference and in-group marriage. *Twin Research and Human Genetics*, 24(5), 264-272.

<https://doi.org/10.1017/thg.2021.48>.

Note – this publication uses survey data from MIDUS and the Wisconsin Longitudinal Study, the PRS scores are from WLS, but some of those scores are also available in MIDUS as indicated in the table.

3. Song, J. (2019). How the impact of chronic pain on cognition varies by polygenic risk score (PRS). *Innovation in Aging*, 3(S1), S971. <https://doi.org/10.1093/geroni/igz038.3521>.