Using the Healthy Minds Network Data Interface
https://healthymindsnetwork.org/data/

Acknowledgements:

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Motivation: Why a data interface?

The motivation for creating an interactive, online data interface is directly related to HMN’s mission as a research-to-practice initiative. HMN’s objectives are threefold: (1) produce knowledge (research), (2) distribute knowledge (dissemination), and (3) facilitate the use of this knowledge (practice). One of the main sources of knowledge production in the Network is through our surveys of undergraduate and graduate students’ mental health: the Healthy Minds Study (HMS) and the Healthy Bodies Study (HBS). Launched in 2014, the data interface is an enhanced way of disseminating this research and facilitating its use in practice on college and university campuses.

Purpose: What is the data interface?

In short, the interactive data interface is an online database, which houses all data from the HMS. The interface allows users to explore these data quickly and with ease. Many of the people that are most interested in HMN research—particularly college counseling center directors—do not have the time to conduct complex statistical analyses using fancy programs. The hope is that the interface will minimize barriers to using HMN data. It was designed as a resource for all users, regardless of their statistical/research experience.
Getting Started: How do I access the data interface?

The data interface is available here: https://healthymindsnetwork.org/data/. There are two ways to access the interface: as a guest or as a school contact (individuals at colleges and universities that have participated in one or both of the survey studies).

Guests: Anyone can log in as a guest by clicking the “Guest” button next to the “Login” button; no username or password is needed to log in as a guest. Guests can explore the aggregate data. The public interface contains all years of data from both surveys. On the public side of the data interface, college and university names are not listed.

School contacts: School contacts are provided with individualized login credentials via Dropbox. This information can be entered into the “Username” and “Password” boxes before clicking “Login.” Once logged in, the webpage will read “Welcome [School Name]” at the top of the screen. School contacts can explore data from their students and compare to peer institutions (see below for more information).

Functionality: What can the interface do?

The data interface uses a simple drop-down menu structure. Users will find a list of key measures (outcomes) as well as characteristics (sample breakdown options) that can be selected for subgroup analyses. The data interface allows users to compare outcomes across student demographics and institutions. Users from colleges and universities that have participated in HMS can also see how their outcomes compare to peer institutions, defined as the ten schools within the aggregate sample that are most similar based on a formula accounting for the following factors: enrollment size, public/private status, geographic region, institutional type (Carnegie Classification), academic rank (Barron’s Score), and graduation rate. Peers are limited to schools surveyed in the same year and no more than two years before or after. Below are a few examples of the types of questions that can be answered using the data interface. The interface generates graphs, which can be used for immediate interpretation and for future presentations and other purposes.
**Example 1 (for guests): Has suicidality varied over time?**

The user selects All Years for Study Year, By Year for Sample Breakdown, and Suicidal Ideation for Outcome.

After selecting “Submit”, the user is presented with a bar chart illustrating the proportion of students within each HMS survey year who screened positive for suicidal ideation.
Example 2 (for guests): *In HMS 2014, are there differences in beliefs and prejudices about mental health across race/ethnic group?*

The user selects 2014 for Study Year, By Race for Sample Breakdown, and Personal Stigma for Outcome.

After selecting “Submit”, the user is presented with a bar chart illustrating the proportion of students for each race/ethnicity category who experience personal stigma about mental health.
Example 3 (for school contacts): *In HMS 2018, how does the rate of depression among students at my school compare to the rate at my peer institutions?*

The user selects 2022 for Study Year, By School for Sample Breakdown, and Major Depression (PHQ-9) for Outcome.

After selecting “Submit”, the user is presented with a bar chart comparing the proportion of students who screen positive for depression at your school (red bar) with peer institutions (yellow bars) and all other institutions (green bars) in the aggregate sample. Hover over any bar to view the precise proportion.

**Questions? Comments?** Contact the Healthy Minds Network data team at hmn-datateam@umich.edu or the research team at healthyminds@umich.edu. We are always looking to improve the data interface and welcome user feedback.