

Mental Health Survey Analysis

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TODO:

- signifiante to difference table
- put question numbers on row names?
- clean up tables so they fit...

1 Demographics

The following section compares the ethnic diversity of both the fall 2016 undergraduates at the University of California, Berkeley (UCB) with the profile of survey participants who completed the "Undergraduate Student Well-being Survey - 2016" (USWBS), as populated by the UCB.

1.1 UC Berkeley Demographics

Data representing the ethnic diversity of the fall 2016 undergraduates at UCB. Information provided from the office of planning and development (<http://opa.berkeley.edu/uc-berkeley-fall-enrollment-data>).

Ethnicity	Count	Prop.F.	Prop.M.	Prop.D.	Prop.T.
African American/Black	947	0.58	0.41	0.00	0.03
Mexican American/Chicano	3056	0.59	0.41	0.00	0.10
Other Hispanic/Latino	1102	0.57	0.43	0.00	0.04
Native American/Alaska Native	172	0.58	0.41	0.01	0.01
Pacific Islander	58	0.57	0.43	0.00	0.00
Chinese	5050	0.51	0.48	0.00	0.17
Filipino	867	0.59	0.41	0.00	0.03
Japanese	461	0.57	0.43	0.00	0.02
Korean	1347	0.49	0.51	0.00	0.05
Other Asian	331	0.57	0.43	0.00	0.01
South Asian	2240	0.46	0.53	0.00	0.08
Vietnamese	907	0.58	0.42	0.00	0.03
White	7594	0.50	0.50	0.00	0.26
Decline to State	1199	0.42	0.42	0.16	0.04
International	3979	0.49	0.50	0.01	0.14
Total	29310	0.52	0.47	0.01	1.00
Underrepresented Minority Subtotal	5277	0.58	0.41	0.00	0.18

- Prop.F = Proportion Female, Prop.M = Proportion Male, Prop.D = Proportion Undefined, Prop.T = Proportion Total.
- Note, underrepresented groups are defined as African American, Chicano/Latino, and Native American/Alaska Native.

1.2 Survey Demographics

Table represents the ethnicities for survey participants who completed the USWBS. Note, ethnicities for participants was pre-populated via information on record with UCB prior to the survey being dispersed. Information in this table **does not** reflect individual responses on the USWBS part 7, demographic information.

Ethnicity	Count	Proportion
White	156	0.1692
Korean	21	0.0228
Chinese	115	0.1247
Filipino	15	0.0163
Japanese	9	0.0098
Vietnamese	23	0.0249
Other Asian	10	0.0108
South Asian	33	0.0358
International	40	0.0434
Decline to State	24	0.0260
Pacific Islander	7	0.0076
Other Hispanic/Latino	84	0.0911
African American/Black	93	0.1009
Mexican American/Chicano	267	0.2896
Native American/Alaska Native	25	0.0271

1.3 UC Berkeley and survey comparison

Table represents a comparison between the proportions reported by UCB and those individuals who completed the USWBS. Note, an asterisk (*) in the "Significance" column represents a significant difference between individuals in the fall 2016 undergraduate population at UCB and the convenience sample from USWBS.

	Ethnicity	Berkeley_Prop	Survey_Prop	Difference	Significance
1	African American/Black	0.03	0.12	-0.09	*
2	Mexican American/Chicano	0.10	0.28	-0.18	*
3	Other Hispanic/Latino	0.04	0.10	-0.06	*
4	Native American/Alaska Native	0.01	0.02	-0.02	*
5	Pacific Islander	0.00	0.01	-0.01	*
6	Chinese	0.17	0.11	0.07	*
7	Filipino	0.03	0.02	0.01	*
8	Japanese	0.02	0.01	0.01	0.0665
9	Korean	0.05	0.03	0.02	*
10	Other Asian	0.01	0.01	0.00	0.7828
11	South Asian	0.08	0.04	0.04	*
12	Vietnamese	0.03	0.02	0.01	*
13	White	0.26	0.15	0.11	*
14	Decline to State	0.04	0.02	0.02	*
15	International	0.14	0.07	0.06	*
16	Total	1.00	1.00	0.00	NA
17	Underrepresented Minority Subtotal	0.18	0.52	-0.34	*

Using an alpha level of .05, we observe that the population of fall 2016 undergraduates at UCB is significantly different from those who completed the USWBS. Significance was not reached within the "Japanese" and "Other Asian" categories. Thus, generalizing the following results to the undergraduate population of UCB may be unwise as the USWBS convenience

sample appears to over-sample from underrepresented minority populations while under-sampling from the "White" ethnic group.

2 All results

The following section provides a breakdown of each of the questions asked and how participants responded. Sections are broken down into the various survey subject areas: general living, academic life, sleeping and eating habits, mental well-being, sexual violence, and campus resources.

2.1 General living

Questions pertaining to the "General Living" aspect of the survey. As noted on the survey, "The [general living questions] will cover satisfaction with life as well as questions about how your financial situation affects your everyday life. Please indicate your agreement with the statements below to the best of your ability."

	Strongly Disagree	Disagree	Slightly Disagree	Neither	Slightly Agree	Agree	Strongly Agree	NA
The conditions of my life are excellent	0.057	0.093	0.107	0.115	0.228	0.306	0.088	0.005
I am satisfied with my life	0.050	0.095	0.104	0.101	0.207	0.315	0.123	0.005
I am satisfied with my living conditions	0.056	0.086	0.112	0.086	0.208	0.311	0.136	0.005
Where I live, I feel safe	0.040	0.080	0.101	0.095	0.206	0.331	0.141	0.005
I am confident about my financial situation.	0.118	0.152	0.136	0.095	0.171	0.200	0.106	0.022
Often cut back on important spending	0.114	0.121	0.146	0.093	0.154	0.234	0.115	0.022
I have been concerned about money lately	0.050	0.103	0.062	0.069	0.194	0.251	0.249	0.022

	Very Poor	Poor	Fair	Good	Very Good	NA
Physical Health	0.041	0.133	0.317	0.389	0.114	0.005
Mental Health	0.097	0.227	0.311	0.286	0.073	0.007
Satisfaction with academic life	0.060	0.125	0.295	0.380	0.119	0.022
Satisfaction with social life	0.072	0.153	0.313	0.343	0.098	0.022
Satisfaction with residential life	0.056	0.131	0.331	0.361	0.098	0.023

2.2 Academic Life

Questions pertaining to the "Academic Life" aspect of the survey. As noted on the survey, "The [academic life questions] will cover anxiety and academic stress. We would like to learn more about how academics are affecting your levels of stress, and also how you have felt within the last month. We would like to know how stress and anxiety is affecting you as it plays a large role in your general well-being."

	Strongly Disagree	Disagree	Slightly Disagree	Neither	Slightly Agree	Agree	Strongly Agree	NA
Academics is the main reason I am stressed in my life	0.020	0.070	0.065	0.077	0.228	0.300	0.202	0.038
I feel pressured by parents' expectations to succeed	0.169	0.163	0.107	0.151	0.183	0.117	0.072	0.038
I feel pressured by my own expectations to succeed	0.012	0.005	0.011	0.040	0.150	0.333	0.411	0.038
My stress impacts me more physically than mentally	0.048	0.159	0.182	0.277	0.159	0.075	0.062	0.038
Univ. adequately provides support with academic stress	0.092	0.117	0.120	0.291	0.180	0.137	0.025	0.038
I utilize campus resources for anxiety/academic stress	0.150	0.238	0.125	0.190	0.134	0.086	0.040	0.038

	Rarely or none of the time	Some or a little of the time	Occasionally or a moderate amount of the time	All of the time	NA
Past week: I felt anxious and agitated	0.114	0.280	0.311	0.266	0.029
Past week: I felt stressed due to academic reasons	0.062	0.200	0.345	0.364	0.029
Past week: My academic stress prevented me from maintaining my self-care	0.227	0.253	0.246	0.245	0.029

2.3 Sleeping and eating habits

Questions pertaining to the "sleeping and eating habits" aspect of the survey. As noted on the survey, "The [sleeping and eating section] will cover sleeping and eating habits. We would like to learn more about the quality and amount of sleep undergraduate students receive, as well as the extent to which they have access to and eat healthy food because sleep and diet are both essential elements of wellness."

	No	Yes	NA
Sleep obstacles: Academics	0.182	0.774	0.043
Sleep obstacles: Anxiety	0.465	0.491	0.043
Sleep obstacles: Concerns about post-graduation	0.684	0.272	0.043
Sleep obstacles: Finances	0.636	0.321	0.043
Sleep obstacles: Living conditions	0.740	0.217	0.043
Sleep obstacles: Social concerns	0.706	0.251	0.043
Sleep obstacles: Something else (please specify)	0.844	0.113	0.043
Sleep obstacles: Nothing - I am not being prevented from more sleep	0.845	0.086	0.069

	Strongly Disagree	Disagree	Slightly Disagree	Neither	Slightly Agree	Agree	Strongly Agree	NA
I am satisfied with the amount of sleep I usually receive	0.114	0.145	0.140	0.081	0.197	0.210	0.030	0.081
The quality of my sleep is good	0.086	0.130	0.139	0.090	0.190	0.231	0.053	0.081
The amount of sleep I receive makes me feel irritable	0.033	0.145	0.130	0.202	0.214	0.141	0.054	0.081
The amount I sleep negatively affects my mental health	0.036	0.157	0.103	0.172	0.203	0.168	0.079	0.081
I prioritize my academic performance above sleep	0.043	0.067	0.092	0.132	0.214	0.215	0.155	0.081
I have a problem with daytime sleepiness	0.023	0.092	0.068	0.102	0.254	0.215	0.165	0.081
I would benefit from naps during the day	0.024	0.064	0.047	0.139	0.194	0.269	0.182	0.081
I eat health food that is good for my body	0.050	0.092	0.139	0.107	0.259	0.198	0.072	0.082
I have easy access to places that sell healthy food	0.073	0.111	0.133	0.099	0.191	0.231	0.081	0.081
I have easy access to affordable healthy food	0.146	0.153	0.146	0.110	0.155	0.161	0.048	0.081

	0-2	3-4	5-6	7-8	8-10	10+	NA
Hours of sleep per day	0.002	0.065	0.418	0.389	0.070	0.010	0.046

2.4 Mental Well-being

Questions pertaining to the "Mental Well-being" aspect of the survey. As noted on the survey, "The [mental well-being section] of the survey will assess undergraduate students happiness and how they feel about life. Some of the following questions are related to feelings of depression, and responses will be used to learn more about the wellness of the undergraduate population and shape what the campus can do to address it."

	Rarely or none of the time	Some or a little of the time	Occasionally or a moderate amount of the time	All of the time	NA
Past week: I felt depressed	0.357	0.245	0.195	0.104	0.099
Past week: I felt hopeful about the future	0.134	0.282	0.316	0.169	0.099
Past week: I felt happy with my life	0.111	0.264	0.323	0.203	0.100
Past week: I felt alone and isolated	0.279	0.280	0.219	0.124	0.099
Past week: I felt like it was hard to "get up " from lack of energy & motivation	0.223	0.253	0.222	0.202	0.100
Past week: I felt less interested in things I usually enjoy	0.332	0.256	0.196	0.116	0.100
Past week: I felt upset about the way my life was heading	0.376	0.235	0.170	0.119	0.099
Past week: I felt like utilizing campus resources for mental distress	0.580	0.188	0.099	0.035	0.099
Past week: I felt like a bad person	0.488	0.226	0.111	0.077	0.099
Past week: I found it hard to focus on the positive aspects of life	0.312	0.275	0.189	0.125	0.099

	No	Yes	NA
Ever diagnosed with depression by a clinical professional	0.753	0.149	0.099

2.5 Sexual Violence

Questions pertaining to the "Sexual Violence" aspect of the survey. As noted on the survey, "The ASUC is committed to helping create a campus where sexual violence is not tolerated, where survivors are supported, and perpetrators are held accountable. The purpose of the [sexual violence section] is to identify the strengths and needs of our campus sexual violence prevention and response services. Feel free to answer all, some, or none of the questions."

	No	Yes	NA
Option to answer sexual violence prevention section	0.367	0.533	0.101

	1 = Not at all										10 = Completely comfortable/effective	NA
UG Student Well-Being Survey	0.042	0.052	0.052	0.052	0.053	0.054	0.073	0.066	0.029	0.051	0.475	
Sexual assault and harassment	0.050	0.017	0.028	0.018	0.064	0.054	0.051	0.060	0.021	0.023	0.614	
Mental health	0.051	0.020	0.052	0.026	0.077	0.048	0.056	0.030	0.012	0.016	0.612	
Maintaining a balanced lifestyle	0.053	0.022	0.049	0.037	0.080	0.050	0.046	0.025	0.010	0.014	0.615	
Alcohol use	0.049	0.021	0.023	0.024	0.056	0.038	0.048	0.064	0.036	0.029	0.613	

	Yes, for information only	Yes, for support only	Yes, for both information and support	No, have not accessed	NA
Tang medical services	0.053	0.011	0.025	0.422	0.489
Tang social services	0.023	0.012	0.023	0.452	0.490
Confidential CARE advocates	0.016	0.003	0.005	0.485	0.490
Title IX office/OPHD	0.016	0.002	0.007	0.486	0.489
EOP counselors	0.015	0.001	0.013	0.482	0.489
Resident Assistant/Resident Director	0.030	0.007	0.012	0.461	0.490
Sexual Assault Commission/Cal Consent Campaign	0.036	0.003	0.003	0.469	0.489
UCPD	0.020	0.001	0.010	0.479	0.490
Other	0.007	0.001	0.008	0.447	0.538

	I did not have a need	I did not know about these resources	I did not feel comfortable accessing these services	No, have not accessed
Why haven't used services for information or support about sexual violence	0.279	0.009	0.025	0.688

2.6 Campus Resources

Questions pertaining to the "Campus Resources" aspect of the survey. As noted on the survey, "The [campus resources section] of the survey will address to what extent you, as an undergraduate student, are aware of and utilize resources the University of California, Berkeley offers to improve student wellness. Responses will be used to see what services are most effective and can be improved. The following questions are about your knowledge and awareness of different campus-related mental health resources."

	I have not heard about until now	I have heard about but have not used	I have used this service	NA
Resource awareness: UHS at the Tang Center: Counseling & Psychological Services	0.065	0.539	0.273	0.123
Resource awareness: Tang Center CPS Satellite Counseling Services on campus	0.356	0.401	0.121	0.121
Resource awareness: Nap spaces on campus	0.149	0.641	0.090	0.120
Resource awareness: Peer Health Workers for IFC, PHC, Housing, Co-Op residents	0.343	0.461	0.075	0.121
Resource awareness: Student-to-Student Peer Counseling	0.302	0.535	0.042	0.121
Resource awareness: Tang Center Health Coaching	0.379	0.465	0.035	0.121
Resource awareness: Confidential Care Advocates	0.541	0.318	0.020	0.121

	No	Yes	NA
How hear about: CPS - A friend	0.562	0.248	0.190
How hear about: CPS - Professor/GSI	0.716	0.094	0.190
How hear about: CPS - Peer Support Organization	0.745	0.065	0.190
How hear about: CPS - Flier	0.689	0.121	0.190
How hear about: CPS - Email/Online Website	0.464	0.346	0.190
How hear about: CPS - Other	0.716	0.094	0.190
How hear about: CPS - Don't know/Don't remember	0.663	0.148	0.190
How hear about: CPS campus Satellite Counseling Services - A friend	0.430	0.092	0.478
How hear about: CPS campus Satellite Counseling Services - Professor/GSI	0.487	0.035	0.478
How hear about: CPS campus Satellite Counseling Services - Peer Support Organization	0.484	0.038	0.478
How hear about: CPS campus Satellite Counseling Services - Flier	0.469	0.053	0.478
How hear about: CPS campus Satellite Counseling Services - Email/Online Website	0.350	0.171	0.478
How hear about: CPS campus Satellite Counseling Services - Other	0.448	0.074	0.478
How hear about: CPS campus Satellite Counseling Services - Don't know/Don't remember	0.373	0.149	0.478
How hear about: Nap spaces on campus - A friend	0.411	0.319	0.270
How hear about: Nap spaces on campus - Professor/GSI	0.710	0.020	0.270
How hear about: Nap spaces on campus - Peer Support Organization	0.717	0.013	0.270
How hear about: Nap spaces on campus - Flier	0.611	0.119	0.270
How hear about: Nap spaces on campus - Email/Online Website	0.313	0.416	0.270
How hear about: Nap spaces on campus - Other	0.679	0.051	0.270
How hear about: Nap spaces on campus - Don't know/Don't remember	0.674	0.056	0.270
How hear about: Peer Health Workers - A friend	0.395	0.139	0.466
How hear about: Peer Health Workers - Professor/GSI	0.523	0.011	0.466
How hear about: Peer Health Workers - Peer Support Organization	0.501	0.033	0.466
How hear about: Peer Health Workers - Flier	0.427	0.106	0.466
How hear about: Peer Health Workers - Email/Online Website	0.409	0.125	0.466
How hear about: Peer Health Workers - Other	0.476	0.057	0.466
How hear about: Peer Health Workers - Don't know/Don't remember	0.389	0.144	0.466
How hear about: Student-to-Student Peer Counseling - A friend	0.447	0.129	0.424
How hear about: Student-to-Student Peer Counseling - Professor/GSI	0.560	0.016	0.424
How hear about: Student-to-Student Peer Counseling - Peer Support Organization	0.535	0.041	0.424
How hear about: Student-to-Student Peer Counseling - Flier	0.475	0.101	0.424
How hear about: Student-to-Student Peer Counseling - Email/Online Website	0.420	0.156	0.424
How hear about: Student-to-Student Peer Counseling - Other	0.528	0.048	0.424
How hear about: Student-to-Student Peer Counseling - Don't know/Don't remember	0.411	0.165	0.424
How hear about: Tang Center Health Coaching - A friend	0.428	0.070	0.501
How hear about: Tang Center Health Coaching - Professor/GSI	0.473	0.026	0.501
How hear about: Tang Center Health Coaching - Peer Support Organization	0.476	0.023	0.501
How hear about: Tang Center Health Coaching - Flier	0.447	0.052	0.501
How hear about: Tang Center Health Coaching - Email/Online Website	0.335	0.164	0.501
How hear about: Tang Center Health Coaching - Other	0.460	0.039	0.501
How hear about: Tang Center Health Coaching - Don't know/Don't remember	0.320	0.179	0.501
How hear about: Confidential Care Advocates - A friend	0.293	0.043	0.664
How hear about: Confidential Care Advocates - Professor/GSI	0.315	0.022	0.664
How hear about: Confidential Care Advocates - Peer Support Organization	0.308	0.028	0.664
How hear about: Confidential Care Advocates - Flier	0.321	0.015	0.664
How hear about: Confidential Care Advocates - Email/Online Website	0.238	0.099	0.664
How hear about: Confidential Care Advocates - Other	0.296	0.040	0.664
How hear about: Confidential Care Advocates - Don't know/Don't remember	0.214	0.123	0.664
Resource expansion: Counseling and Psychological Services	0.358	0.527	0.115
Resource expansion: CPS Satellite Counseling Services on campus	0.702	0.183	0.115
Resource expansion: Nap spaces on campus	0.541	0.344	0.115
Resource expansion: Peer Health Workers	0.822	0.063	0.115
Resource expansion: Student-to-Student Peer Counseling	0.760	0.125	0.115
Resource expansion: Tang Center Health Coaching	0.765	0.120	0.115
Resource expansion: Confidential Care Advocates	0.802	0.084	0.115
Talk with GSI/professor about mental health and resources	0.575	0.302	0.124
Was information accurate, relevant and beneficial	0.024	0.277	0.700

	Very poor/Strongly disagree	Poor/Slightly disagree	Average/Neutral	Good/Slightly agree	Very Good/Strongly agree	NA
Rate services: Counseling and Psychological Services	0.017	0.016	0.079	0.099	0.055	0.733
Rate services: Tang Center CPS Satellite Counseling Services on campus	0.008	0.009	0.029	0.044	0.027	0.883
Rate services: Nap spaces on campus	0.003	0.011	0.033	0.028	0.011	0.914
Rate services: Peer Health Workers	0.002	0.001	0.022	0.027	0.020	0.928
Rate services: Student-to-Student Peer Counseling	0.001	0.002	0.012	0.012	0.012	0.961
Rate services: Tang Center Health Coaching	0.003	0.002	0.009	0.012	0.004	0.970
Rate services: Confidential Care Advocates	0.001	0.002	0.007	0.002	0.004	0.984
Wait for mental health aid impedes on students use of these resources	0.018	0.039	0.337	0.218	0.260	0.127
GSI's and professors should be better trained to help with mental health issues	0.036	0.054	0.238	0.279	0.267	0.127
How likely would you be to approach the Tang Center or other campus resources	0.076	0.132	0.206	0.322	0.139	0.125

3 Inference

	Ethn.	Gender	S. Orient	Living
The conditions of my life are excellent	0.0542	7e-04 *	0.1516	<0.0005 *
I am satisfied with my life	0.2514	0.0092 *	0.0022 *	0.0958
I am satisfied with my living conditions	0.0241 *	0.0014 *	0.1949	0.0881
Where I live, I feel safe	0.0136 *	8e-04 *	0.0572	<0.0005 *
Physical Health	0.0558	<0.0005 *	0.0035 *	0.0015 *
Mental Health	0.7555	0.0027 *	0.0029 *	0.1538
I am confident about my financial situation.	<0.0005 *	9e-04 *	0.0256 *	<0.0005 *
Often cut back on important spending	<0.0005 *	0.0015 *	0.3088	<0.0005 *
I have been concerned about money lately	<0.0005 *	0.0041 *	0.0946	0.0193 *
Satisfaction with academic life	0.254	0.0011 *	0.7181	5e-04 *
Satisfaction with social life	0.0497 *	0.2506	0.1143	0.0677
Satisfaction with residential life	0.0745	0.0566	0.2554	<0.0005 *

	Ethn.	Gender	S. Orient	Living
Hours of sleep per day	0.2046	0.0027 *	0.1527	0.144
Sleep obstacles: Academics	0.9836	0.0265 *	0.1394	0.578
Sleep obstacles: Anxiety	0.06	<0.0005 *	0.0012 *	0.0908
Sleep obstacles: Concerns about post-graduation	<0.0005 *	0.0146 *	0.814	<0.0005 *
Sleep obstacles: Finances	<0.0005 *	0.0365 *	0.0324 *	<0.0005 *
Sleep obstacles: Living conditions	0.2101	0.1239	0.5237	0.2831
Sleep obstacles: Social concerns	0.1712	0.3861	0.0106 *	0.8099
Sleep obstacles: Something else (please specify)	0.0684	0.9226	0.867	0.0024 *
Sleep obstacles: Nothing - I am not being prevented from more sleep	0.8894	0.6842	0.9695	0.6738
I am satisfied with the amount of sleep I usually receive	0.2063	0.0013 *	0.396	0.1855
The quality of my sleep is good	0.0109 *	0.1111	0.1581	0.0665
The amount of sleep I receive makes me feel irritable	0.003 *	6e-04 *	0.2164	0.1121
The amount I sleep negatively affects my mental health	0.69	0.0035 *	0.1217	0.0238 *
I prioritize my academic performance above sleep	0.9581	<0.0005 *	0.0115 *	0.0341 *
I have a problem with daytime sleepiness	0.7854	<0.0005 *	0.0026 *	0.035 *
I would benefit from naps during the day	0.8774	0.0162 *	0.3164	0.2572
I eat health food that is good for my body	0.0063 *	0.0315 *	0.0428 *	0.2535
I have easy access to places that sell healthy food	0.0597	0.1753	0.0293 *	0.2633
I have easy access to affordable healthy food	0.2213	0.1475	0.7392	0.0097 *

	Ethn.	Gender	S. Orient	Living
Past week: I felt depressed	0.2821	0.0011 *	<0.0005 *	0.0175 *
Past week: I felt hopeful about the future	0.0713	<0.0005 *	0.4549	0.0669
Past week: I felt happy with my life	0.2258	0.0739	0.1264	0.275
Past week: I felt alone and isolated	0.0334 *	0.0042 *	0.003 *	0.1237
Past week: I felt like it was hard to "get up " from lack of energy & motivation	0.4715	8e-04 *	<0.0005 *	0.0186 *
Past week: I felt less interested in things I usually enjoy	0.0392 *	0.0092 *	<0.0005 *	0.2721
Past week: I felt upset about the way my life was heading	0.0259 *	0.1102	0.0041 *	0.2013
Past week: I felt like utilizing campus resources for mental distress	0.059	<0.0005 *	<0.0005 *	<0.0005 *
Past week: I felt like a bad person	0.164	<0.0005 *	6e-04 *	0.6155
Past week: I found it hard to focus on the positive aspects of life	0.5456	0.001 *	<0.0005 *	0.0026 *
In the past month I felt like utilizing campus resources for mental distress	0.5465	0.1475	0.0445 *	0.5399
Ever diagnosed with depression by a clinical professional	0.0131 *	<0.0005 *	<0.0005 *	0.0024 *

	Ethn.		Gender		S. Orient		Living	
Option to answer sexual violence prevention section	<0.0005	*	<0.0005	*	0.0476	*	0.4215	
UG Student Well-Being Survey	0.0778		0.0024	*	0.7428		0.0936	
Tang medical services	<0.0005	*	0.1238		0.0572		0.2331	
Tang social services	0.7867		0.0397	*	0.0916		<0.0005	*
Confidential CARE advocates	0.9956		<0.0005	*	0.4623		0.0245	*
Title IX office/OPHD	0.9989		<0.0005	*	0.2757		0.038	*
EOP counselors	0.8445		<0.0005	*	0.4635		0.1852	
Resident Assistant/Resident Director	0.58		<0.0005	*	0.078		0.9198	
Sexual Assault Commission/Cal Consent Campaign	0.4379		0.9999		0.8215		0.2602	
UCPD	0.4834		<0.0005	*	0.6139		0.3613	
Other	0.9999		<0.0005	*	0.0838		0.9236	
Why haven't used services for information or support about sexual violence	0.8015		<0.0005	*	0.0099	*	0.0069	*
Sexual assault and harassment	0.588		0.0118	*	<0.0005	*	0.3197	
Mental health	0.5146		0.4915		0.7029		0.9964	
Maintaining a balanced lifestyle	0.8937		0.319		0.1526		0.9059	
Alcohol use	0.337		0.4868		0.3264		0.1157	

	Ethn.	Gender	S. Orient	Living	
Resource awareness: UHS at the Tang Center: Counseling & Psychological Services	0.1828	<0.0005	* <0.0005	* 0.0014	*
Resource awareness: Tang Center CPS Satellite Counseling Services on campus	0.8176	0.0286	* <0.0005	* 0.3504	
Resource awareness: Nap spaces on campus	<0.0005	* 0.3274	0.9025	<0.0005	*
Resource awareness: Peer Health Workers for IFC, PHC, Housing, Co-Op residents	0.6068	0.0327	* 0.7289	<0.0005	*
Resource awareness: Student-to-Student Peer Counseling	0.6315	<0.0005	* 0.6736	0.0043	*
Resource awareness: Tang Center Health Coaching	0.3615	<0.0005	* 0.4465	<0.0005	*
Resource awareness: Confidential Care Advocates	0.3633	<0.0005	* 0.8678	<0.0005	*
How hear about: CPS - A friend	0.3659	0.0138	* 0.7106	0.1736	
How hear about: CPS - Professor/GSI	0.0201	* 0.2347	0.2204	0.0014	*
How hear about: CPS - Peer Support Organization	0.0019	* 0.008	* 0.607	0.1791	
How hear about: CPS - Flier	0.3064	0.0897	0.6293	6e-04	*
How hear about: CPS - Email/Online Website	0.1376	0.8706	0.0517	0.7022	
How hear about: CPS - Other	0.0744	0.7017	0.7267	0.4421	
How hear about: CPS - Don't know/Don't remember	0.0311	* 0.0204	* 0.2566	0.3445	
How hear about: CPS campus Satellite Counseling Services - A friend	0.2317	0.5958	0.5954	0.1235	
How hear about: CPS campus Satellite Counseling Services - Professor/GSI	0.0098	* 0.4155	0.5875	0.1366	
How hear about: CPS campus Satellite Counseling Services - Peer Support Organization	0.02	* 0.1975	0.7046	0.4647	
How hear about: CPS campus Satellite Counseling Services - Flier	0.9881	0.0739	0.8088	0.0033	*
How hear about: CPS campus Satellite Counseling Services - Email/Online Website	0.0927	0.2691	0.1637	0.2535	
How hear about: CPS campus Satellite Counseling Services - Other	0.752	0.5141	0.5031	0.1683	
How hear about: CPS campus Satellite Counseling Services - Don't know/Don't remember	0.5185	0.111	0.6403	0.9183	
How hear about: Nap spaces on campus - A friend	0.4354	0.4654	0.7354	0.7933	
How hear about: Nap spaces on campus - Professor/GSI	0.2316	0.1272	0.2993	0.5872	
How hear about: Nap spaces on campus - Peer Support Organization	0.2548	0.9822	0.713	0.0646	
How hear about: Nap spaces on campus - Flier	0.0419	* 0.0123	* 0.0623	0.6713	
How hear about: Nap spaces on campus - Email/Online Website	0.3566	0.002	* 0.6977	0.7733	
How hear about: Nap spaces on campus - Other	0.0031	* 0.9742	0.3109	0.8801	
How hear about: Nap spaces on campus - Don't know/Don't remember	0.4338	9e-04	* 0.9072	0.7373	
How hear about: Peer Health Workers - A friend	0.6178	0.3567	0.6667	0.0019	*
How hear about: Peer Health Workers - Professor/GSI	0.753	<0.0005	* 0.8521	0.521	
How hear about: Peer Health Workers - Peer Support Organization	0.2717	0.2121	0.7732	0.7467	
How hear about: Peer Health Workers - Flier	0.6853	0.1431	0.8985	0.03	*
How hear about: Peer Health Workers - Email/Online Website	0.255	0.3842	0.6932	0.4696	
How hear about: Peer Health Workers - Other	0.0344	* 0.0853	0.2428	0.2069	
How hear about: Peer Health Workers - Don't know/Don't remember	0.6975	0.2138	0.5437	0.8087	
How hear about: Student-to-Student Peer Counseling - A friend	0.1509	0.2357	0.1696	0.0499	*
How hear about: Student-to-Student Peer Counseling - Professor/GSI	0.6026	0.5025	0.7051	0.99	
How hear about: Student-to-Student Peer Counseling - Peer Support Organization	0.6408	0.0025	* 0.085	0.783	
How hear about: Student-to-Student Peer Counseling - Flier	0.0605	0.0175	* 0.0097	* 0.4062	
How hear about: Student-to-Student Peer Counseling - Email/Online Website	0.0165	* 0.3766	0.6202	0.5852	
How hear about: Student-to-Student Peer Counseling - Other	0.0134	* 0.7082	0.9283	0.0906	
How hear about: Student-to-Student Peer Counseling - Don't know/Don't remember	0.5717	0.011	* 0.4986	0.2877	
How hear about: Tang Center Health Coaching - A friend	0.8221	0.0832	0.0686	0.1258	
How hear about: Tang Center Health Coaching - Professor/GSI	0.8187	0.5348	0.1486	0.7402	
How hear about: Tang Center Health Coaching - Peer Support Organization	0.3668	<0.0005	* 0.5673	0.9101	
How hear about: Tang Center Health Coaching - Flier	0.0786	0.8673	0.3075	0.0762	
How hear about: Tang Center Health Coaching - Email/Online Website	0.5209	0.4186	0.8019	0.9548	
How hear about: Tang Center Health Coaching - Other	0.2358	0.4669	0.2204	0.0012	*
How hear about: Tang Center Health Coaching - Don't know/Don't remember	0.623	0.9598	0.2444	0.6885	
How hear about: Confidential Care Advocates - A friend	0.7382	0.0043	* 0.5793	0.0912	
How hear about: Confidential Care Advocates - Professor/GSI	0.1155	0.4551	0.4834	0.0046	*
How hear about: Confidential Care Advocates - Peer Support Organization	0.1106	0.6692	0.0083	* 0.9255	
How hear about: Confidential Care Advocates - Flier	0.9453	0.8544	0.9067	0.9578	
How hear about: Confidential Care Advocates - Email/Online Website	0.3103	0.4303	0.9819	0.1355	
How hear about: Confidential Care Advocates - Other	0.1861	0.9327	0.1347	0.4793	
How hear about: Confidential Care Advocates - Don't know/Don't remember	0.7405	0.6568	0.656	0.2617	
Rate services: Counseling and Psychological Services	0.0437	* 0.7443	0.1934	0.6069	
Rate services: Tang Center CPS Satellite Counseling Services on campus	0.0224	* 0.5545	0.6462	0.353	
Rate services: Nap spaces on campus	0.0676	0.0719	0.0649	0.6667	
Rate services: Peer Health Workers	0.5132	0.0027	* 0.0247	* 0.0041	*
Rate services: Student-to-Student Peer Counseling	0.3923	0.0326	* 0.7327	0.6524	
Rate services: Tang Center Health Coaching	0.0791	0.2558	0.3948	0.7028	
Rate services: Confidential Care Advocates	0.2883	0.3713	0.4016	0.3862	
Resource expansion: Counseling and Psychological Services	0.0682	7e-04	* 0.0077	* 0.1873	
Resource expansion: CPS Satellite Counseling Services on campus	0.6379	0.3177	0.3257	0.8684	
Resource expansion: Nap spaces on campus	0.1281	0.2046	0.326	0.1298	
Resource expansion: Peer Health Workers	0.9861	0.0122	* 0.2888	0.081	
Resource expansion: Student-to-Student Peer Counseling	0.5811	0.0225	* 0.3331	0.1019	
Resource expansion: Tang Center Health Coaching	0.3726	0.2438	0.0744	0.6696	
Resource expansion: Confidential Care Advocates	0.2276	0.2734	0.607	0.7102	
Wait for mental health aid impedes on students use of these resources	0.1437	0.094	0.02	* <0.0005	*
Talk with GSI/professor about mental health and resources	0.2424	0.1016	0.7995	0.3005	
Was information accurate, relevant and beneficial	0.1314	0.35	0.4005	0.0907	
GSIs and professors should be better trained to help with mental health issues	0.0084	* <0.0005	* 0.0731	0.5376	
How likely would you be to approach the Tang Center or other campus resources	0.1337	0.0143	* 0.1376	0.321	