

Supplementary Data

SUPPLEMENTAL TABLE S1. COMPARISON OF MALE AND FEMALE SERVICE MEMBERS COMPLETING THE INITIAL VS. BOTH INITIAL AND FOLLOW-UP QUESTIONNAIRES ON DEMOGRAPHICS, DEPLOYMENT, AND MENTAL HEALTH ISSUES^a

<i>Characteristics^b</i>	<i>Army active duty service members</i>			
	<i>Completed initial questionnaire n = 333,803</i>		<i>Completed both questionnaires n = 276,100</i>	
	<i>Males 299,763 (89.8%)</i>	<i>Females 34,040 (10.2%)</i>	<i>Males 240,694 (90.1%)</i>	<i>Females 26,406 (9.9%)</i>
Dependent variable				
Frequent binge drinking (from initial questionnaire)	17.7%	6.6%	18.0%	6.8%
<i>Demographic</i>				
Age (years)				
17–24	46.0%	44.9%	46.5%	45.2%
25–29	24.3%	24.8%	24.3%	24.9%
30–39	23.5%	23.1%	23.4%	22.9%
40+	6.2%	7.3%	5.8%	7.0%
Race				
White, non-Hispanic	55.5%	33.7%	55.5%	34.0%
Black, non-Hispanic	15.9%	35.2%	15.7%	34.4%
Asian/Pacific Islander	15.3%	14.8%	15.5%	15.0%
American Indian/Alaskan Native	0.9%	1.5%	0.9%	1.5%
Hispanic	11.1%	12.7%	11.2%	12.8%
Other/unknown	1.3%	2.2%	1.4%	2.2%
Marital status				
Never married	37.0%	41.6%	37.0%	42.1%
Married	58.8%	45.2%	58.8%	44.8%
Divorced	4.0%	12.4%	3.9%	12.3%
Other	0.3%	0.8%	0.3%	0.8%
Any child dependent eligible for Military Health System benefits				
Yes	45.5%	38.7%	45.4%	38.2%
No	54.5%	61.4%	54.6%	61.8%
Rank, pay grade				
Junior enlisted (E1-E4)	55.6%	53.3%	56.1%	53.6%
Senior enlisted (E5-E9)	31.3%	28.9%	31.3%	28.8%
Officers	13.1%	17.8%	12.6%	17.6%
Education				
Less than college degree	86.6%	79.2%	87.2%	79.3%
College degree	13.4%	20.8%	12.8%	20.7%
Occupation Specialty				
Combat specialist	35.0%	3.7%	35.0%	3.7%
Health care	5.6%	15.5%	5.7%	16.3%
Functional support, service, and supply	22.0%	54.3%	21.8%	53.6%
Mechanical, electrical, engineering	20.8%	14.3%	21.3%	14.4%
Other	16.6%	12.2%	16.3%	12.0%
<i>Deployment</i>				
Length of index deployment (months)				
1–11	36.2%	38.8%	34.3%	36.8%
12	33.9%	32.8%	33.7%	32.4%
>12	29.9%	28.4%	32.1%	30.9%
Fiscal year of end of index deployment				
2008	7.0%	7.1%	7.1%	7.0%
2009	36.8%	34.8%	39.6%	38.6%
2010	32.5%	34.8%	39.3%	38.5%
2011	20.2%	23.4%	14.0%	15.8%

(continued)

SUPPLEMENTARY TABLE S1. (CONTINUED)

Characteristics ^b	Army active duty service members			
	Completed initial questionnaire n = 333,803		Completed both questionnaires n = 276,100	
	Males 299,763 (89.8%)	Females 34,040 (10.2%)	Males 240,694 (90.1%)	Females 26,406 (9.9%)
Any prior deployment to index				
Has a prior deployment	46.7%	35.9%	46.3%	35.8%
Does not have a prior deployment	53.3%	64.1%	53.7%	64.2%
Combat Exposure Score				
0	57.0%	70.8%	57.4%	71.3%
1	21.8%	21.5%	21.8%	21.3%
2	12.8%	6.9%	12.7%	6.8%
3	8.3%	0.8%	8.2%	0.7%
Wounded, injured, assaulted or hurt on most recent deployment				
Yes	17.0%	16.7%	16.7%	16.6%
No	83.0%	83.3%	83.3%	83.4%
TBI Positive Screen				
Yes	7.7%	4.5%	7.5%	4.4%
No	92.3%	95.5%	92.5%	95.6%
<i>Post-deployment mental health</i>				
PC-PTSD positive				
Yes	5.6%	6.0%	5.3%	5.7%
No	94.4%	94.0%	94.7%	94.3%
Depression (PHQ-2) positive				
Yes	7.5%	9.2%	7.4%	8.9%
No	92.5%	90.8%	92.6%	91.1%
Harmful thoughts				
Yes	1.5%	1.9%	1.5%	1.8%
No	98.5%	98.1%	98.5%	98.2%
Any mental health ^c positive screen				
Yes	11.7%	13.5%	11.5%	13.1%
No	88.3%	86.5%	88.6%	86.9%
<i>Key independent variable</i>				
TBI positive screen only	5.2%	3.0%	5.1%	2.9%
Mental health positive screen only	9.2%	11.9%	9.1%	11.6%
Both TBI and mental health positive screens	2.5%	1.6%	2.4%	1.4%
Neither	83.1%	83.5%	83.4%	84.0%

^aThe initial questionnaire was completed within 60 days of the deployment end date, and the follow-up questionnaire was completed 30–300 days after the end of the index deployment.

^bPercent distributions may not add up to 100% due to rounding.

^cAny positive mental health is defined as a positive screen for post-traumatic stress disorder, depression, and/or harmful thoughts.

TBI, traumatic brain injury; PC-PTSD, Primary Care–Post-Traumatic Stress Disorder screen; PHQ-2, two-item Patient Health Questionnaire.