

Supplementary Online Content

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eTable 1. Full results of logistic regression analyses predicting homelessness among US veterans as a function of military sexual trauma and sex with the presence of any mental health diagnosis as a covariate (fiscal years 2004-2013)

eTable 2. Full results of logistic regression analyses predicting homelessness among US veterans as a function of military sexual trauma and sex with specific mental health diagnoses as covariates (fiscal years 2004-2013)

This supplementary material has been provided by the authors to give readers additional information about their work.

eTable 1. Full Results of Logistic Regression Analyses Predicting Homelessness Among US Veterans as a Function of Military Sexual Trauma and Sex with the Presence of Any Mental Health Diagnosis as a Covariate (Fiscal Years 2004-2013).

	Odds Ratio (95% CI)					
	30 Days (n = 601,892) ^a		1 Year (n = 590,989) ^a		5 Years (n = 262,580) ^a	
	Adjusted ^b	Adjusted ^c	Adjusted ^b	Adjusted ^c	Adjusted ^b	Adjusted ^c
(Intercept)	0.02 (0.02, 0.03)	0.01 (0.01, 0.02)	0.07 (0.06, 0.08)	0.02 (0.02, 0.03)	0.1 (0.09, 0.12)	0.02 (0.02, 0.02)
MST Status						
No	1 [Reference]	1 [Reference]	1 [Reference]	1 [Reference]	1 [Reference]	1 [Reference]
Yes	1.89 (1.58, 2.24) ^d	1.51 (1.27, 1.80) ^d	2.27 (2.04, 2.53) ^d	1.55 (1.39, 1.73) ^d	2.63 (2.36, 2.93) ^d	1.75 (1.57, 1.95) ^d
Sex						
Female	1 [Reference]	1 [Reference]	1 [Reference]	1 [Reference]	1 [Reference]	1 [Reference]
Male	1.23 (1.11, 1.36) ^d	1.11 (1.00, 1.23)	1.26 (1.18, 1.34) ^d	1.12 (1.05, 1.20) ^d	1.37 (1.28, 1.46) ^d	1.22 (1.14, 1.30) ^d
MST*Sex	1.55 (1.19, 2.03) ^d	1.56 (1.20, 2.04) ^d	1.43 (1.22, 1.69) ^d	1.53 (1.29, 1.80) ^d	1.09 (0.92, 1.30)	1.21 (1.01, 1.44) ^d
Age	0.96 (0.96, 0.97) ^d	0.97 (0.96, 0.97) ^d	0.96 (0.96, 0.97) ^d	0.97 (0.97, 0.97) ^d	0.98 (0.98, 0.98) ^d	0.98 (0.98, 0.98) ^d
Education						
HS or	1	1	1	1	1	1
Beyond HS	0.74 (0.66, 0.83) ^d	0.76 (0.67, 0.85) ^d	0.77 (0.72, 0.83) ^d	0.82 (0.76, 0.88) ^d	0.71 (0.67, 0.76) ^d	0.76 (0.71, 0.81) ^d
Marital Status						
Never Married						
Other	1.93 (1.16, 3.23) ^d	1.89 (1.13, 3.17) ^d	1.58 (1.10, 2.27) ^d	1.43 (1.00, 2.06)	1.42 (1.00, 2.02)	1.29 (0.90, 1.85)
Married	0.90 (0.84, 0.97) ^d	0.89 (0.83, 0.96) ^d	0.97 (0.93, 1.02)	0.92 (0.88, 0.96) ^d	0.82 (0.79, 0.86) ^d	0.77 (0.74, 0.81) ^d
Divorced	0.98 (0.81, 1.18)	0.96 (0.80, 1.16)	1.17 (1.05, 1.31) ^d	1.09 (0.97, 1.21)	1.09 (0.99, 1.21)	1.00 (0.90, 1.10)
Race						

White	1 [Referenc e]	1 [Referenc e]	1 [Referenc e]	1 [Referenc e]	1 [Referenc e]	1 [Referenc e]
Black	3.09 (2.84, 3.36) ^d	3.25 (2.99, 3.53) ^d	2.64 (2.51, 2.78) ^d	2.86 (2.71, 3.01) ^d	2.08 (1.97, 2.20) ^d	2.21 (2.09, 2.34) ^d
Hispanic	1.65 (1.50, 1.82) ^d	1.74 (1.58, 1.92) ^d	1.29 (1.21, 1.38) ^d	1.40 (1.31, 1.49) ^d	1.13 (1.06, 1.21) ^d	1.21 (1.13, 1.29) ^d
Other	1.50 (1.29, 1.75) ^d	1.56 (1.34, 1.81) ^d	1.22 (1.11, 1.35) ^d	1.31 (1.19, 1.45) ^d	1.08 (0.97, 1.20) ^d	1.15 (1.04, 1.28) ^d
Unknown	1.52 (1.39, 1.65) ^d	1.57 (1.44, 1.71) ^d	1.16 (1.10, 1.23) ^d	1.26 (1.19, 1.33) ^d	1.08 (1.02, 1.13) ^d	1.15 (1.09, 1.21) ^d
Rank						
Enlisted	1 [Referenc e]	1 [Referenc e]	1 [Referenc e]	1 [Referenc e]	1 [Referenc e]	1 [Referenc e]
Officer	0.31 (0.22, 0.43) ^d	0.33 (0.24, 0.46) ^d	0.28 (0.23, 0.34) ^d	0.33 (0.27, 0.41) ^d	0.33 (0.27, 0.40) ^d	0.41 (0.34, 0.50) ^d
Warrant	0.46 (0.23, 0.92) ^d	0.50 (0.25, 1.02)	0.25 (0.15, 0.44) ^d	0.32 (0.19, 0.56) ^d	0.37 (0.24, 0.57) ^d	0.49 (0.32, 0.75) ^d
Component						
Active Duty	1 [Referenc e]	1 [Referenc e]	1 [Referenc e]	1 [Referenc e]	1 [Referenc e]	1 [Referenc e]
Guard	0.62 (0.56, 0.67) ^d	0.64 (0.58, 0.70) ^d	0.61 (0.58, 0.64) ^d	0.67 (0.64, 0.71) ^d	0.73 (0.69, 0.77) ^d	0.78 (0.74, 0.83) ^d
Reserve	0.7 (0.63, 0.77) ^d	0.70 (0.63, 0.77) ^d	0.63 (0.59, 0.67) ^d	0.67 (0.63, 0.72) ^d	0.68 (0.64, 0.72) ^d	0.73 (0.68, 0.78) ^d
Branch of Service						
Army	1 [Referenc e]	1 [Referenc e]	1 [Referenc e]	1 [Referenc e]	1 [Referenc e]	1 [Referenc e]
Navy/Coa st Guard	1.25 (1.15, 1.36) ^d	1.43 (1.31, 1.55) ^d	1.00 (0.94, 1.05) ^d	1.33 (1.26, 1.41) ^d	0.96 (0.91, 1.02)	1.32 (1.24, 1.40) ^d
Marines	0.59 (0.54, 0.66) ^d	0.62 (0.56, 0.69) ^d	0.55 (0.52, 0.59) ^d	0.61 (0.58, 0.65) ^d	0.65 (0.61, 0.69) ^d	0.69 (0.65, 0.73) ^d
Air Force	0.73 (0.65, 0.83) ^d	0.83 (0.73, 0.94) ^d	0.56 (0.52, 0.61) ^d	0.75 (0.64, 0.82) ^d	0.60 (0.55, 0.65) ^d	0.82 (0.76, 0.90) ^d
Any						

Mental Illness						
No	NA	1 [Reference]	NA	1 [Reference]	NA	1 [Reference]
Yes	NA	3.91 (3.67, 4.16) ^d	NA	5.31 (5.08, 5.54) ^d	NA	8.15 (7.64, 8.70) ^d

^a The 30-day, 1 year, and 5 year cohorts were based on the first VHA encounter after last military deployment recorded in the OEF/OIF roster file. The change in numbers across the 3 study cohorts is due to a decreasing number of Veterans who contribute data to the longer 1- and 5-year observation periods.

^b Adjusted for age, education (high school, post-high school), marital status (married, never married, divorced, other), race/ethnicity (White, Black, Hispanic, Other, Unknown), rank (enlisted, officer, warrant), component (Active Duty, Reserve, Guard), and branch of service (Army, Navy/Coast Guard, Marines, Air Force).

^c Adjusted for age, education (high school, post-high school), marital status (married, never married, divorced, other), race/ethnicity (White, Black, Hispanic, Other, Unknown), rank (enlisted, officer, warrant), component (Active Duty, Reserve, Guard), branch of service (Army, Navy/Coast Guard, Marines, Air Force), and presence of any mental illness.

^d Indicates statistical significance, (P < .05).

eTable 2. Full Results of Logistic Regression Analyses Predicting Homelessness Among US Veterans as a Function of Military Sexual Trauma and Sex with Specific Mental Health Diagnoses as Covariates (Fiscal Years 2004-2013).

	Odds Ratio (95% CI)					
	30 Days (n = 601,892) ^a		1 Year (n = 590,989) ^a		5 Years (n = 262,580) ^a	
	Adjusted ^b	Adjusted ^c	Adjusted ^b	Adjusted ^c	Adjusted ^b	Adjusted ^c
(Intercept)	0.02 (0.02, 0.03)	0.02 (0.01, 0.02)	0.07 (0.06, 0.08)	0.03 (0.03, 0.04)	0.1 (0.09, 0.12)	0.03 (0.03, 0.04)
MST Status						
No	1 [Reference]	1 [Reference]	1 [Reference]	1 [Reference]	1 [Reference]	1 [Reference]
Yes	1.89 (1.58, 2.24) ^d	1.62 (1.36, 1.93) ^d	2.27 (2.04, 2.53) ^d	1.49 (1.33, 1.66) ^d	2.63 (2.36, 2.93) ^d	1.39 (1.24, 1.55) ^d
Sex						
Female	1 [Reference]	1 [Reference]	1 [Reference]	1 [Reference]	1 [Reference]	1 [Reference]
Male	1.23 (1.11, 1.36) ^d	1.12 (1.01, 1.25) ^d	1.26 (1.18, 1.34) ^d	1.04 (0.97, 1.12)	1.37 (1.28, 1.46) ^d	1.02 (0.95, 1.09)
MST*Sex	1.55 (1.19, 2.03) ^d	1.54 (1.18, 2.02)	1.43 (1.22, 1.69) ^d	1.46 (1.23, 1.74) ^d	1.09 (0.92, 1.30)	1.17 (0.96, 1.41)
Age	0.96 (0.96, 0.97) ^d	0.97 (0.96, 0.97)	0.96 (0.96, 0.97) ^d	0.97 (0.96, 0.97) ^d	0.98 (0.98, 0.98) ^d	0.98 (0.98, 0.99) ^d
Education						
HS or Equivalent	1 [Reference]	1 [Reference]	1 [Reference]	1 [Reference]	1 [Reference]	1 [Reference]
Beyond HS	0.74 (0.66, 0.83) ^d	0.76 (0.67, 0.85) ^d	0.77 (0.72, 0.83) ^d	0.82 (0.77, 0.89) ^d	0.71 (0.67, 0.76) ^d	0.78 (0.72, 0.84) ^d
Marital Status						
Never Married						
Other	1.93 (1.16, 3.23) ^d	1.98 (1.18, 3.32)	1.58 (1.10, 2.27) ^d	1.46 (1.00, 2.11)	1.42 (1.00, 2.02)	1.29 (0.89, 1.89)
Married	0.90 (0.84, 0.97) ^d	0.92 (0.85, 0.99) ^d	0.97 (0.93, 1.02)	0.98 (0.93, 1.02)	0.82 (0.79, 0.86) ^d	0.82 (0.78, 0.86) ^d
	0.98 (0.81, 1.17)	0.97 (0.80, 1.17)	1.17 (1.05, 1.30)	1.12 (1.00, 1.25)	1.09 (0.99, 1.20)	1.03 (0.93, 1.14)

Divorced	1.18)	1.17)	1.31) ^d	1.25)	1.21)	1.15)
Race						
White	1 [Referenc e]	1 [Referenc e]	1 [Referenc e]	1 [Referenc e]	1 [Referenc e]	1 [Referenc e]
Black	3.09 (2.84, 3.36) ^d	3.13 (2.88, 3.40) ^d	2.64 (2.51, 2.78) ^d	2.77 (2.63, 2.93) ^d	2.08 (1.97, 2.20) ^d	2.25 (2.11, 2.39) ^d
Hispanic	1.65 (1.50, 1.82) ^d	1.70 (1.54, 1.87) ^d	1.29 (1.21, 1.38) ^d	1.40 (1.31, 1.50) ^d	1.13 (1.06, 1.21) ^d	1.26 (1.17, 1.35) ^d
Other	1.50 (1.29, 1.75) ^d	1.54 (1.32, 1.79) ^d	1.22 (1.11, 1.35) ^d	1.32 (1.19, 1.46) ^d	1.08 (0.97, 1.20)	1.20 (1.07, 1.34) ^d
Unknown	1.52 (1.39, 1.65) ^d	1.52 (1.39, 1.66) ^d	1.16 (1.10, 1.23) ^d	1.23 (1.17, 1.31) ^d	1.08 (1.02, 1.13) ^d	1.16 (1.10, 1.22) ^d
Rank						
Enlisted	1 [Referenc e]	1 [Referenc e]	1 [Referenc e]	1 [Referenc e]	1 [Referenc e]	1 [Referenc e]
Officer	0.31 (0.22, 0.43) ^d	0.32 (0.23, 0.45) ^d	0.28 (0.23, 0.34) ^d	0.33 (0.27, 0.40) ^d	0.33 (0.27, 0.40) ^d	0.45 (0.37, 0.54) ^d
Warrant	0.46 (0.23, 0.92) ^d	0.48 (0.24, 0.97) ^d	0.25 (0.15, 0.44) ^d	0.32 (0.18, 0.55) ^d	0.37 (0.24, 0.57) ^d	0.52 (0.34, 0.80) ^d
Component						
Active Duty	1 [Referenc e]	1 [Referenc e]	1 [Referenc e]	1 [Referenc e]	1 [Referenc e]	1 [Referenc e]
Guard	0.62 (0.56, 0.67) ^d	0.63 (0.57, 0.69) ^d	0.61 (0.58, 0.64) ^d	0.68 (0.64, 0.72) ^d	0.73 (0.69, 0.77) ^d	0.79 (0.74, 0.84) ^d
Reserve	0.70 (0.63, 0.77) ^d	0.71 (0.64, 0.78) ^d	0.63 (0.59, 0.67) ^d	0.69 (0.65, 0.74) ^d	0.68 (0.64, 0.72) ^d	0.74 (0.70, 0.80) ^d
Branch of Service						
Army	1 [Referenc e]	1 [Referenc e]	1 [Referenc e]	1 [Referenc e]	1 [Referenc e]	1 [Referenc e]
Navy/Coa st Guard	1.25 (1.15, 1.36) ^d	1.32 (1.22, 1.44) ^d	1 (0.94, 1.05)	1.27 (1.20, 1.34) ^d	0.96 (0.91, 1.02)	1.41 (1.32, 1.50) ^d
Marines	0.59 (0.54, 0.66) ^d	0.62 (0.56, 0.69) ^d	0.55 (0.52, 0.59) ^d	0.62 (0.58, 0.66) ^d	0.65 (0.61, 0.69) ^d	0.74 (0.70, 0.79) ^d
Air	0.73 (0.65, 0.81) ^d	0.77 (0.68, 0.86) ^d	0.56 (0.52, 0.60) ^d	0.70 (0.64, 0.76) ^d	0.60 (0.55, 0.65) ^d	0.87 (0.79, 0.95) ^d

Force	0.83) ^d	0.87) ^d	0.61) ^d	0.76) ^d	0.65) ^d	0.95) ^d
PTSD						
No	NA	1 [Referenc e]	NA	1 [Referenc e]	NA	1 [Referenc e]
Yes	NA	2.05 (1.84, 2.27) ^d	NA	2.19 (2.10, 2.28) ^d	NA	2.25 (2.16, 2.36) ^d
Depressiv e Disorder						
No	NA	1 [Referenc e]	NA	1 [Referenc e]	NA	1 [Referenc e]
Yes	NA	3.03 (2.68, 3.42) ^d	NA	2.43 (2.31, 2.55) ^d	NA	2.25 (2.15, 2.36) ^d
Substance Use Disorder						
No	NA	1 [Referenc e]	NA	1 [Referenc e]	NA	1 [Referenc e]
Yes	NA	7.45 (6.36, 8.73) ^d	NA	5.63 (5.25, 6.04) ^d	NA	4.53 (4.27, 4.80) ^d
Alcohol Use Disorder						
No	NA	1 [Referenc e]	NA	1 [Referenc e]	NA	1 [Referenc e]
Yes	NA	4.6 (3.96, 5.34) ^d	NA	3.3 (3.09, 3.53) ^d	NA	2.59 (2.45, 2.73) ^d
Personalit y Disorder						
No	NA	1 [Referenc e]	NA	1 [Referenc e]	NA	1 [Referenc e]
Yes	NA	2.16 (0.66, 7.09)	NA	2.44 (1.92, 3.10) ^d	NA	2.19 (1.89, 2.53) ^d
Psychotic Disorder						
No	NA	1 [Referenc	NA	1 [Referenc	NA	1 [Referenc

		e]		e]		e]
Yes	NA	3.62 (2.54, 5.15) ^d	NA	3.25 (2.82, 3.74) ^d	NA	3.16 (2.85, 3.51) ^d
Bipolar Disorder						
No	NA	1 [Reference]	NA	1 [Reference]	NA	1 [Reference]
Yes	NA	1.19 (0.88, 1.6)	NA	1.41 (1.28, 1.55) ^d	NA	1.47 (1.37, 1.58) ^d

^a The 30-day, 1 year, and 5 year cohorts were based on the first VHA encounter after last military deployment recorded in the OEF/OIF roster file. The change in numbers across the 3 study cohorts is due to a decreasing number of Veterans who contribute data to the longer 1- and 5-year observation periods.

^b Adjusted for age, education (high school, post-high school), marital status (married, never married, divorced, other), race/ethnicity (White, Black, Hispanic, Other, Unknown), rank (enlisted, officer, warrant), component (Active Duty, Reserve, Guard), and branch of service (Army, Navy/Coast Guard, Marines, Air Force).

^c Adjusted for age, education (high school, post-high school), marital status (married, never married, divorced, other), race/ethnicity (White, Black, Hispanic, Other, Unknown), rank (enlisted, officer, warrant), component (Active Duty, Reserve, Guard), branch of service (Army, Navy/Coast Guard, Marines, Air Force), PTSD, depressive disorders, substance use disorders, alcohol use disorders, personality disorders, psychotic disorders, and bipolar disorders.

^d Indicates statistical significance, (P < .05).