



Supplementary Material

Article Title: Toward Understanding Sex Differences in the Prevalence of Posttraumatic Stress Disorder: Results From the National Epidemiologic Survey on Alcohol and Related Conditions

Author(s): Carlos Blanco, MD, PhD; Nicolas Hoertel, MD, MPH; Melanie M. Wall, PhD; Silvia Franco, MD; Hugo Peyre, MD, MPH; Yuval Neria, PhD; Liat Helpman, PhD; and Frédéric Limosin, MD, PhD

DOI Number: 10.4088/JCP.16m11364

List of Supplementary Material for the article

1. [eTable 1](#) Prevalence of Missing Data on Traumatic Events and Any PTSD Symptoms by Sex
2. [eTable 2](#) Sociodemographic Characteristics
3. [eFigure 1](#) Simple Mediation Model of the Effects of Sex and All Individual Traumatic Experiences on Risk of PTSD

Disclaimer

This Supplementary Material has been provided by the author(s) as an enhancement to the published article. It has been approved by peer review; however, it has undergone neither editing nor formatting by in-house editorial staff. The material is presented in the manner supplied by the author.

Supplementary Material

eTable 1. Prevalence of missing data on traumatic events and any PTSD symptoms by sex.

Type of trauma ^a	Women (N = 20089)		Men (N = 14564)				
	% ^b	S.E.	% ^b	S.E.	OR ^{c,d}	95% CI	p-value
Traumatic events							
Combat	0.44	0.12	0.59	0.11	0.75	0.48-1.18	0.210
Peacekeeper/relief worker	0.46	0.13	0.58	0.10	0.79	0.48-1.30	0.343
Unarmed civilian in war zone	0.45	0.13	0.57	0.11	0.79	0.50-1.26	0.318
Refugee	0.45	0.13	0.53	0.10	0.85	0.52-1.41	0.533
Physical abuse	0.55	0.12	0.59	0.10	0.93	0.61-1.42	0.728
Neglect	0.60	0.12	0.63	0.10	0.95	0.63-1.43	0.811
Witness to domestic violence	0.57	0.12	0.60	0.10	0.94	0.62-1.43	0.781
Unwanted sex	0.62	0.13	0.66	0.10	0.94	0.62-1.41	0.748
Victim domestic violence	0.59	0.13	0.58	0.10	1.01	0.67-1.53	0.957
Attacked/beaten up	0.61	0.13	0.59	0.10	1.04	0.69-1.56	0.858
Kidnapped	0.53	0.13	0.57	0.10	0.93	0.60-1.46	0.759
Stalked	0.61	0.13	0.65	0.10	0.93	0.61-1.43	0.745
Mugged	0.53	0.13	0.60	0.11	0.88	0.57-1.35	0.549
Serious or life-threatening accident	0.47	0.13	0.62	0.11	0.77	0.49-1.21	0.248
Serious or life-threatening illness	0.54	0.13	0.62	0.11	0.86	0.57-1.31	0.480
Natural disaster	0.49	0.12	0.62	0.11	0.79	0.52-1.21	0.280
Experienced terrorist attack	0.53	0.14	0.61	0.11	0.87	0.55-1.36	0.525
Saw someone injured/killed/discovered a dead body	0.57	0.14	0.69	0.11	0.83	0.54-1.27	0.381
Unexpected death	0.62	0.15	0.68	0.11	0.90	0.60-1.35	0.607
Any PTSD symptom	3.02	0.17	2.05	0.15	1.49	1.26-1.77	<0.001

a. Traumatic events are assessed on a lifetime basis in individuals without a lifetime history of PTSD and had to precede PTSD onset in those with PTSD.

b. Percentages are weighted to reflect prevalence in U.S. population.

c. Odds ratios (ORs) are unadjusted (d.f. = 1) and were estimated using logistic regression. Reference group is men.

d. ORs in bold are statistically significant (two-sided $p < .05$).

eTable 2. Sociodemographic characteristics.

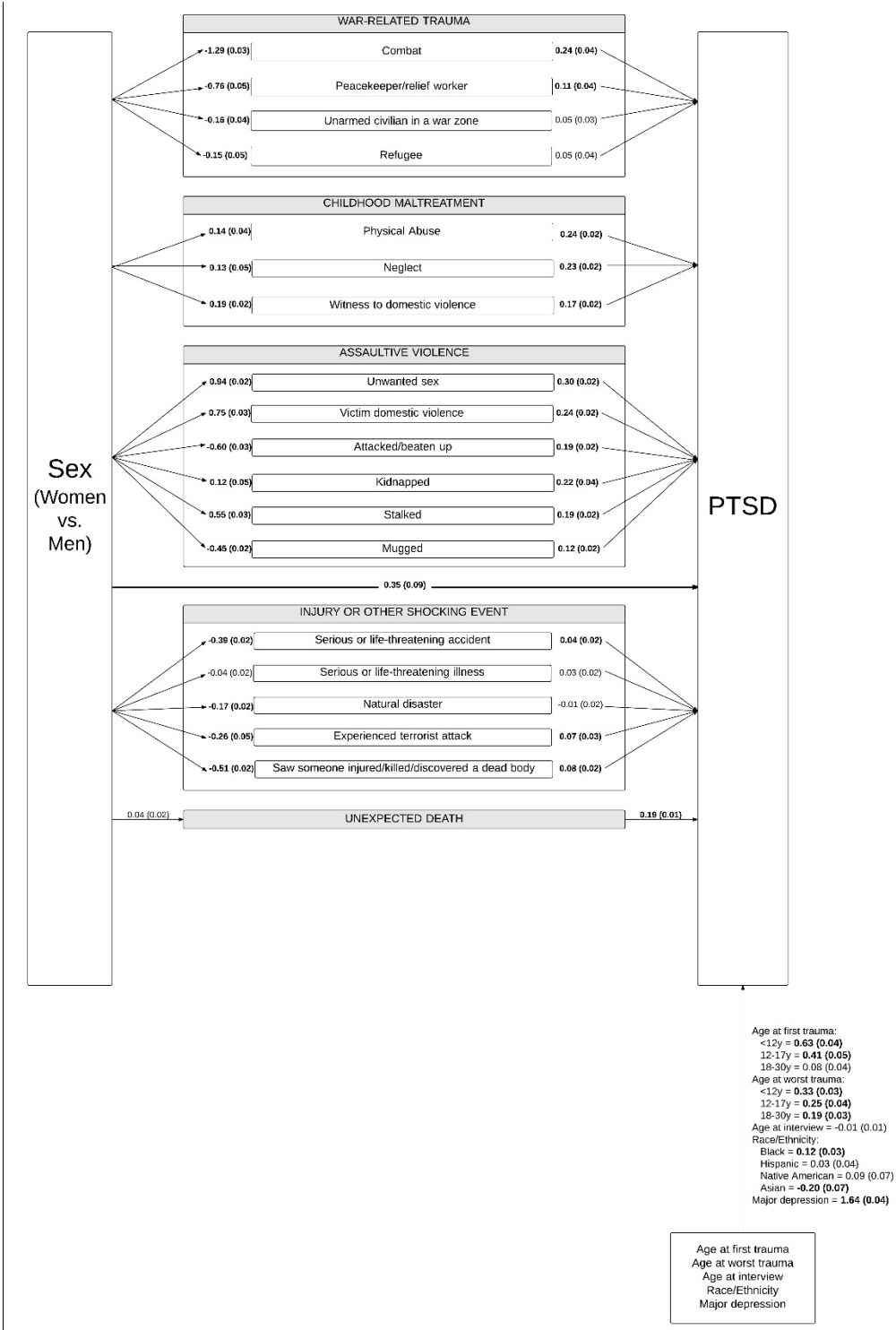
Full sample [N, % (SE)] ^a	Women [20089, 52.08 (0.34)]		Men [14564, 47.92 (0.34)]		Men vs. Women		
	%	S.E.	%	S.E.	OR ^b	95% CI	p-value
Age							
20-29	15.68	0.37	17.05	0.43	1.00		
30-44	29.16	0.42	30.37	0.50	0.96	0.88-1.04	0.31
45-64	33.82	0.37	35.47	0.49	0.96	0.89-1.04	0.36
65+	21.34	0.40	17.11	0.42	0.74	0.68-0.80	<0.01
Race/Ethnicity							
White	70.62	1.55	71.22	1.59	1.00		
Black	11.94	0.71	10.08	0.65	0.84	0.78-0.90	<0.01
Native American	2.31	0.21	2.06	0.20	0.89	0.73-1.07	0.21
Asian/Hawaiian/Pacific Islander	4.20	0.50	4.35	0.59	1.03	0.87-1.21	0.77
Hispanic	10.92	1.18	12.29	1.23	1.12	1.03-1.20	<0.01
Education							
< High school	5.63	0.37	5.71	0.32	1.00	0.87-1.14	0.99
High school or equivalent	38.46	0.55	37.51	0.76	0.96	0.91-1.02	0.16
Some college or higher	55.91	0.63	56.78	0.81	1.00		
Marital status							
Married or living with someone as if married	60.46	0.59	67.41	0.56	1.00		
Widowed/divorced/separated	24.45	0.40	12.79	0.31	0.47	0.44-0.51	<0.01
Never married	15.09	0.48	19.80	0.56	1.18	1.09-1.27	<0.01
Household income							
\$0-\$19,999	22.29	0.54	14.49	0.46	1.00		
\$20,000-\$34,999	19.54	0.44	17.36	0.45	1.37	1.25-1.49	<0.01
\$35,000-\$59,999	24.56	0.40	25.80	0.50	1.62	1.50-1.75	<0.01
\$60,000+	33.60	0.83	42.36	0.87	1.94	1.81-2.08	<0.01
Individuals with PTSD [N, % (SE)] ^a	Women [2644, 69.84 (0.99)]		Men [977, 30.16 (0.99)]		Men vs. Women		
	%	S.E.	%	S.E.	OR ^b	95% CI	p-value
Age							
20-29	15.38	0.94	16.73	1.54	1.00		
30-44	34.34	1.03	29.13	1.75	0.78	0.57-1.06	0.11
45-64	37.35	1.28	42.85	1.92	1.05	0.77-1.44	0.73
65+	12.93	0.83	11.30	1.04	0.80	0.57-1.14	0.22
Race/Ethnicity							
White	70.42	1.56	70.14	2.03	1.00		
Black	13.05	0.88	13.04	1.46	1.00	0.78-1.29	0.98
Native American	3.45	0.55	2.94	0.73	0.85	0.47-1.56	0.60
Asian/Hawaiian/Pacific Islander	2.52	0.44	2.35	0.61	0.94	0.55-1.61	0.81
Hispanic	10.56	1.19	11.53	1.54	1.10	0.83-1.44	0.51
Education							
< High school	4.81	0.53	3.86	0.68	0.83	0.54-1.29	0.41
High school or equivalent	39.73	1.32	42.78	1.95	1.12	0.93-1.35	0.24
Some college or higher	55.47	1.37	53.36	2.03	1.00		

Marital status							
Married or living with someone as if married	55.97	1.23	58.92	2.16	1.00		
Widowed/divorced/separated	30.04	1.00	20.38	1.58	0.64	0.51-0.81	<0.01
Never married	13.98	0.84	20.71	1.59	1.41	1.08-1.82	0.01
Household income							
\$0–\$19,999	27.51	1.11	22.45	1.64	1.00		
\$20,000–\$34,999	20.68	1.02	20.80	1.65	1.23	0.93-1.63	0.14
\$35,000–\$59,999	22.53	1.01	24.95	1.64	1.36	1.05-1.75	0.02
\$60,000+	29.27	1.35	31.81	1.96	1.33	1.05-1.68	0.02
Individuals without PTSD [N, % (SE)]^a	Women [17445, 50.22 (0.36)]		Men [13587, 49.78 (0.36)]		Men vs. Women		
	%	S.E.	%	S.E.	OR ^b	95% CI	p-value
Age							
20-29	15.73	0.39	17.07	0.46	1.00		
30-44	28.40	0.46	30.45	0.51	0.99	0.90-1.08	0.79
45-64	33.31	0.39	35.00	0.50	0.97	0.89-1.05	0.42
65+	22.57	0.43	17.48	0.44	0.71	0.65-0.78	<0.01
Race/Ethnicity							
White	70.65	1.63	71.29	1.63	1.00		
Black	11.78	0.74	9.89	0.64	0.83	0.77-0.90	<0.01
Native American	2.14	0.20	2.01	0.20	0.93	0.76-1.13	0.47
Asian/Hawaiian/Pacific Islander	4.45	0.55	4.48	0.61	1.00	0.84-1.19	0.97
Hispanic	10.98	1.22	12.33	1.25	1.11	1.02-1.21	0.02
Education							
< High school	5.75	0.39	5.83	0.33	1.00	0.87-1.14	0.95
High school or equivalent	38.28	0.56	37.18	0.79	0.95	0.90-1.01	0.12
Some college or higher	55.97	0.64	56.99	0.83	1.00		
Marital status							
Married or living with someone as if married	61.11	0.65	67.95	0.56	1.00		
Widowed/divorced/separated	23.63	0.44	12.31	0.31	0.47	0.43-0.51	<0.01
Never married	15.25	0.53	19.74	0.56	1.16	1.08-1.26	<0.01
Household income							
\$0–\$19,999	21.53	0.54	13.98	0.47	1.00		
\$20,000–\$34,999	19.38	0.46	17.14	0.46	1.36	1.24-1.50	<0.01
\$35,000–\$59,999	24.86	0.45	25.85	0.53	1.60	1.48-1.74	<0.01
\$60,000+	34.23	0.86	43.03	0.89	1.94	1.79-2.09	<0.01

a. Percentages are weighted to reflect prevalence in U.S. population.

b. Odds ratio (ORs) are crude (d.f. = 1). Reference group is women.

eFigure 1. Simple mediation model of the effects of sex and all individual traumatic experiences on risk of PTSD. ^{a,b,c}



Abbreviation: PTSD, posttraumatic stress disorder.

a. Traumatic events are assessed on a lifetime basis in individuals without a lifetime history of PTSD and had to precede PTSD onset in those with PTSD.

b. Regression coefficients are standardized. Values in brackets are standard errors. All coefficients in bold are significant (two-sided $p < .05$).

c. Reference groups used for covariates are individuals with age at first trauma greater than 30 years, age at worst trauma greater than 30 years, White, and without a history a major depression before PTSD onset.