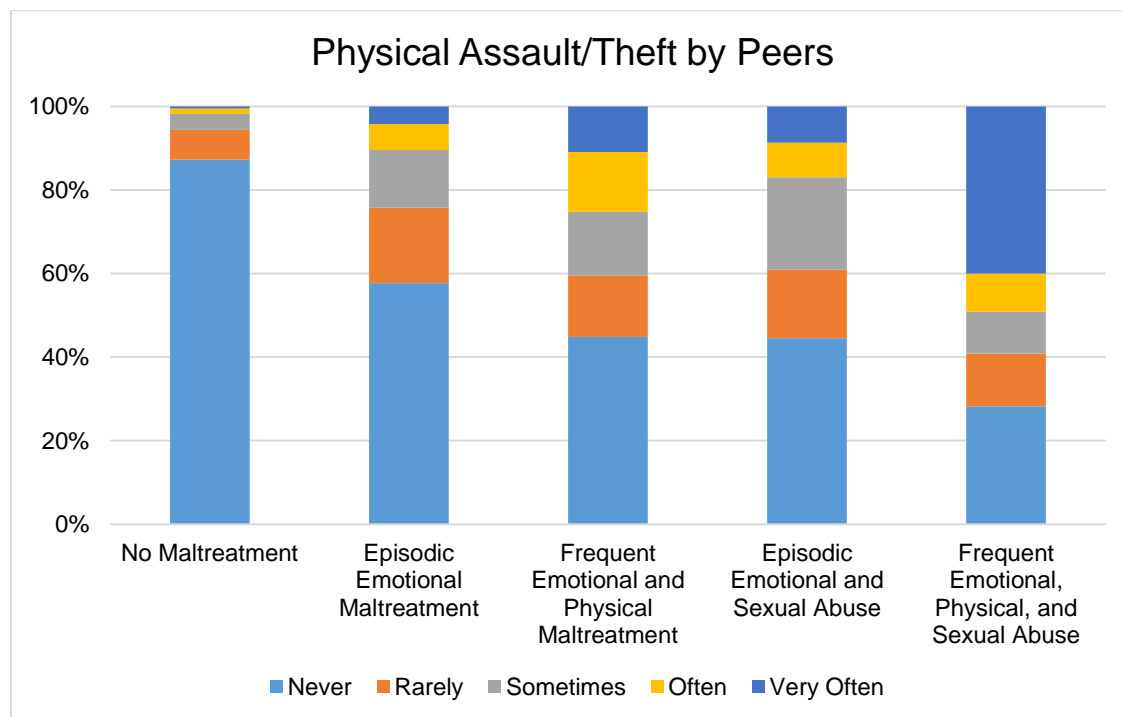
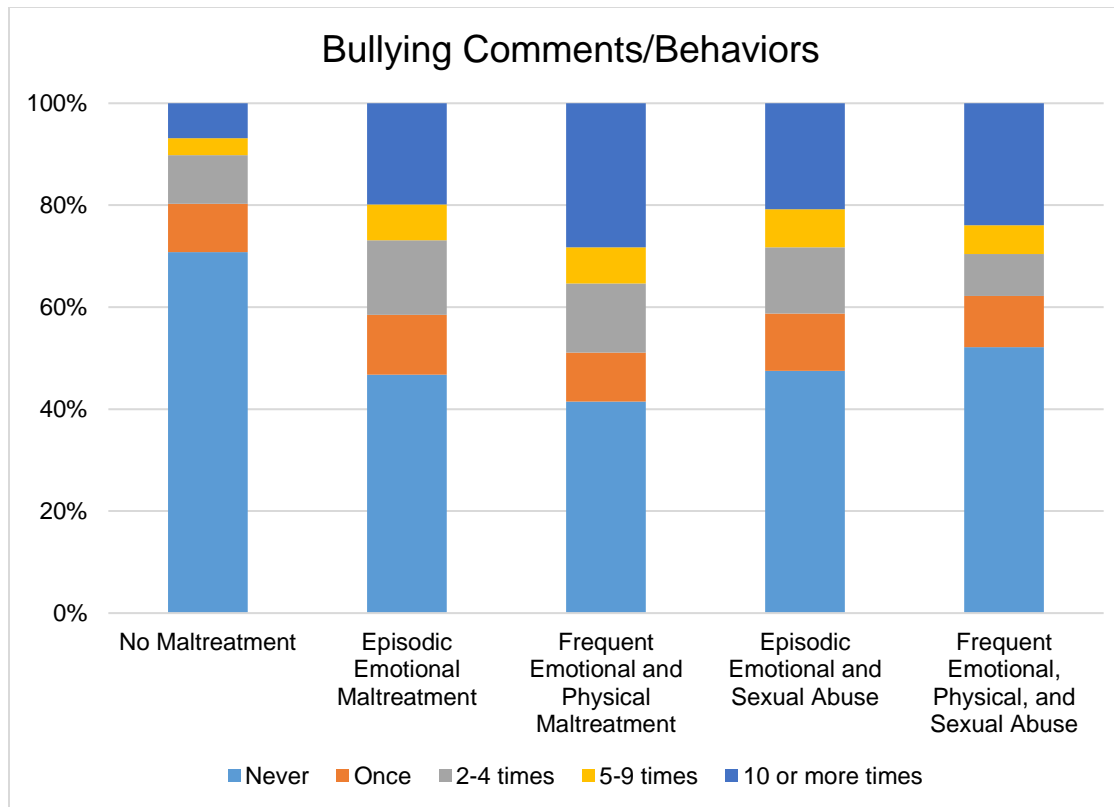


## Appendix Material



**Appendix Figure 1.** Endorsement of Physical Assault/Theft by peers during childhood among new soldiers with No Childhood Maltreatment ( $n=25,043$ ), Episodic Emotional Maltreatment ( $n=3215$ ), Frequent Emotional and Physical Maltreatment ( $n=1073$ ), Episodic Emotional and Sexual Abuse ( $n=875$ ), and Frequent Emotional, Physical, and Sexual Maltreatment ( $n=230$ ).



**Appendix Figure 2.** Endorsement of Bullying Comments/Behaviors by peers during childhood among new soldiers with No Childhood Maltreatment ( $n=25,043$ ); Episodic Emotional Maltreatment ( $n=3215$ ); Frequent Emotional and Physical Maltreatment ( $n=1073$ ); Episodic Emotional and Sexual Abuse ( $n=875$ ); and Frequent Emotional, Physical, and Sexual Maltreatment ( $n=230$ )

The following tables summarize results from interim discrete-time survival models of joint associations of childhood bullying victimization and maltreatment with suicidal behaviors. Models incorporated increasingly stringent controls for maltreatment. All adjusted for socio-demographic and Army service variables. A separate table is provided for each suicidal behavior outcome.

Appendix Table 1

Associations of childhood bullying victimization and maltreatment with lifetime suicidal ideation (N=30,436)

	Joint associations of <i>Physical Assault/ Theft and Maltreatment Profile</i>		Joint associations of <i>Comments/Behaviors and Maltreatment Profile</i>		Joint associations of <i>both bullying types and Maltreatment Profile</i>		Joint associations of <i>both bullying types, Maltreatment Profile, and interactions</i>	
			AOR	95%CI	AOR	95%CI	AOR	95%CI
Physical Assault/Theft (0-4)	<b>1.28***</b>	1.23-1.32	-	-	<b>1.09***</b>	1.05-1.13	<b>1.20***</b>	1.13-1.28
Comments/Behaviors (0-4)	-	-	<b>1.36***</b>	1.32-1.39	<b>1.33***</b>	1.29-1.37	<b>1.36***</b>	1.31-1.40
Episodic Emotional Maltreatment <sup>a</sup>	<b>2.62***</b>	2.40-2.85	<b>2.44***</b>	2.23-2.67	<b>2.35***</b>	2.14-2.58	<b>2.96***</b>	2.60-3.36



Physical Assault/Theft x Frequent Emotional, Physical, and Sexual Maltreatment <sup>b</sup>	-	-	-	-	-	-	<b>0.72**</b>	0.60-0.87
Comments/Behaviors x Episodic Emotional Maltreatment <sup>c</sup>	-	-	-	-	-	-	<b>0.92**</b>	0.87-0.97
Comments/Behaviors x Frequent Emotional and Physical Maltreatment <sup>c</sup>	-	-	-	-	-	-	0.93	0.85-1.02
Comments/Behaviors x Episodic Emotional and Sexual Abuse <sup>c</sup>	-	-	-	-	-	-	0.96	0.87-1.05
Comments/Behaviors x Frequent Emotional, Physical, and Sexual Maltreatment <sup>c</sup>	-	-	-	-	-	-	0.97	0.83-1.13

Notes. Boldface indicates statistical significance (\* $p < .05$ ; \*\* $p < .01$ ; \*\*\* $p < .001$ ).

<sup>a</sup>Reference is the No Maltreatment profile.

<sup>b</sup>Reference is Physical Assault/Theft x No Maltreatment; omnibus test for Physical Assault/Theft x Childhood Maltreatment Profile was significant [ $X^2(4)=21.28$ ;  $p<.001$ ]. Follow-up tests showed that the association of Physical Assault/Theft with lifetime ideation was moderated by Any Maltreatment [vs. No Maltreatment;  $X^2(1)=10.19$ ,  $p=.001$ ], not by specific Maltreatment Type [vs. Episodic Emotional Maltreatment;  $X^2(3)=4.46$ ;  $p=.22$ ].

<sup>c</sup>Reference is Comments/Behaviors x No Maltreatment; omnibus test for Comments/Behaviors x Childhood Maltreatment Profile was significant [ $X^2(4)=11.61$ ;  $p=.02$ ]. Follow-up tests showed that the association of Comments/Behaviors with lifetime ideation was moderated by Any Maltreatment [vs. No Maltreatment;  $X^2(1)=10.47$ ,  $p=.001$ ], not by specific Maltreatment Type [vs. Episodic Emotional Maltreatment;  $X^2(3)=1.31$ ;  $p=.73$ ].

Appendix Table 2

Associations of childhood bullying victimization and maltreatment with lifetime suicide plan (N=30,436)

	Joint associations of <i>Physical Assault/Theft</i> and Maltreatment Profile		Joint associations of <i>Comments/Behaviors</i> and Maltreatment Profile		Joint associations of <i>both bullying types</i> and Maltreatment Profile		Joint associations of <i>both bullying types</i> , Maltreatment Profile, and interactions	
	AOR	95%CI	AOR	95%CI	AOR	95%CI	AOR	95%CI
Physical Assault/Theft (0-4 scale)	<b>1.29***</b>	1.18-1.41	-	-	1.08	0.99-1.19	<b>1.22*</b>	1.03-1.44
Comments/Behaviors (0-4 scale)	-	-	<b>1.43***</b>	1.36-1.51	<b>1.40***</b>	1.32-1.49	<b>1.48***</b>	1.37-1.61
Episodic Emotional Maltreatment <sup>a</sup>	<b>3.15***</b>	2.56-3.88	<b>2.80***</b>	2.26- 3.48	<b>2.69***</b>	2.17 -3.34	<b>3.95***</b>	2.95-5.30
Frequent Emotional and Physical Maltreatment <sup>a</sup>	<b>4.34***</b>	3.03-6.21	<b>3.94***</b>	2.88-5.38	<b>3.64***</b>	2.56-5.17	<b>6.37***</b>	3.74-10.84
Episodic Emotional and Sexual Abuse <sup>a</sup>	<b>4.47***</b>	3.04-6.58	<b>4.61***</b>	3.29- 6.46	<b>4.26***</b>	2.93-6.19	<b>4.63***</b>	2.53-8.51
Frequent Emotional, Physical, and Sexual Maltreatment <sup>a</sup>	<b>6.26***</b>	3.71-10.55	<b>8.93***</b>	5.80- 13.76	<b>7.65***</b>	4.67-12.52	<b>10.81***</b>	5.35-21.83

Physical Assault/Theft x Episodic Emotional Maltreatment <sup>b</sup>	-	-	-	-	-	-	0.92	0.75-1.13
Physical Assault/Theft x Frequent Emotional and Physical Maltreatment <sup>b</sup>	-	-	-	-	-	-	0.87	0.67-1.11
Physical Assault/Theft x Episodic Emotional and Sexual Abuse <sup>b</sup>	-	-	-	-	-	-	0.79	0.60-1.02
Physical Assault/Theft x Frequent Emotional, Physical, and Sexual Maltreatment <sup>b</sup>	-	-	-	-	-	-	0.80	0.60-1.07
Comments/Behaviors x Episodic Emotional Maltreatment <sup>c</sup>	-	-	-	-	-	-	<b>0.83**</b>	0.73-0.94
Comments/Behaviors x Frequent Emotional and Physical Maltreatment <sup>c</sup>	-	-	-	-	-	-	<b>0.81*</b>	0.69-0.96



Comments/Behaviors x Episodic Emotional and Sexual Abuse <sup>c</sup>	-	-	-	-	-	-	1.05	0.87-1.26
Comments/Behaviors x Frequent Emotional, Physical, and Sexual Maltreatment <sup>c</sup>	-	-	-	-	-	-	0.97	0.76-1.24

*Notes.* Boldface indicates statistical significance (\* $p < .05$ ; \*\* $p < .01$ ; \*\*\* $p < .001$ ).

<sup>a</sup>Reference is the No Maltreatment profile.

<sup>b</sup>Reference is Physical Assault/Theft x No Maltreatment; omnibus test for Physical Assault/Theft x Childhood Maltreatment Profile was non-significant [ $X^2(4) = 4.14$ ;  $p = .39$ ].

<sup>c</sup>Reference is Comments/Behaviors x No Maltreatment; omnibus test for Comments/Behaviors x Childhood Maltreatment Profile was significant [ $X^2(4) = 10.96$ ;  $p = .027$ ]. Follow-up tests showed that the association of Comments/Behaviors with lifetime plan was moderated by Any Maltreatment [vs. No Maltreatment;  $X^2(1) = 12.74$ ,  $p < .001$ ], not by specific Maltreatment Type [vs. Episodic Emotional Maltreatment;  $X^2(3) = 6.51$ ;  $p = .089$ ]. When this interaction was modeled as Comments/Behaviors x Any Maltreatment, the main effect of Physical Assault/Theft reverted to being non-significant ( $p = .057$ ), as it was in the previous model. Physical Assault/Theft was thus excluded from the final model of suicide plan.

Appendix Table 3

Associations of childhood bullying victimization and maltreatment with lifetime suicide attempt (N=30,436)

	Joint associations of <i>Physical Assault/Theft</i> and Maltreatment Profile		Joint associations of <i>Comments/Behaviors</i> and Maltreatment Profile		Joint associations of <i>both</i> bullying types and Maltreatment Profile		Joint associations of <i>both</i> bullying types, Maltreatment Profile, and interactions	
	AOR	95% CI	AOR	95% CI	AOR	95% CI	AOR	95% CI
Physical Assault/Theft (0-4 scale)	<b>1.30***</b>	1.20-1.41	-	-	<b>1.13**</b>	1.04-1.23	<b>1.40**</b>	1.16-1.69
Comments/Behaviors (0-4 scale)	-	-	<b>1.37***</b>	1.28-1.47	<b>1.33***</b>	1.24-1.42	<b>1.25***</b>	1.12-1.39
Episodic Emotional Maltreatment <sup>a</sup>	<b>3.21***</b>	2.46-4.21	<b>2.98***</b>	2.28-3.91	<b>2.80***</b>	2.14-3.67	<b>3.76***</b>	2.66-5.31
Frequent Emotional and Physical Maltreatment <sup>a</sup>	<b>4.71***</b>	3.47-6.40	<b>4.57***</b>	3.47-6.01	<b>4.03***</b>	3.00-5.43	<b>4.06***</b>	2.18-7.58
Episodic Emotional and Sexual Abuse <sup>a</sup>	<b>5.84***</b>	4.21-8.09	<b>6.22***</b>	4.60-8.41	<b>5.52***</b>	4.01-7.59	<b>4.67***</b>	2.61-8.35
Frequent Emotional, Physical, and Sexual Maltreatment <sup>a</sup>	<b>8.34***</b>	5.00-13.93	<b>12.26***</b>	7.68-19.59	<b>9.65***</b>	5.87-15.84	<b>6.88***</b>	3.07-15.40



Comments/Behaviors x Episodic Emotional and Sexual Abuse <sup>c</sup>	-	-	-	-	-	-	1.26	1.00-1.58
Comments/Behaviors x Frequent Emotional, Physical, and Sexual Maltreatment <sup>c</sup>	-	-	-	-	-	-	1.19	0.94-1.52

Notes. Boldface indicates statistical significance (\* $p < .05$ ; \*\* $p < .01$ ; \*\*\* $p < .001$ ).

<sup>a</sup>Reference is the No Maltreatment profile.

<sup>b</sup>Reference is Physical Assault/Theft x No Maltreatment; omnibus test for Physical Assault/Theft x Childhood Maltreatment Profile was significant [ $X^2(4) = 11.39$ ;  $p = .022$ ]. Follow-up tests showed that the association of Physical Assault/Theft with lifetime attempt was moderated by Any Maltreatment [vs. No Maltreatment;  $X^2(1) = 11.67$ ,  $p < .001$ ], not by specific Maltreatment Type [vs. Episodic Emotional Maltreatment;  $X^2(3) = 4.81$ ;  $p = .19$ ].

<sup>c</sup>Reference is Comments/Behaviors x No Maltreatment; omnibus test for Comments/Behaviors x Childhood Maltreatment Profile was non-significant [ $X^2(4) = 6.00$ ;  $p = .20$ ].

Appendix Table 4

Associations of childhood bullying victimization and maltreatment with onset of plan among ideators ( $n=4060$ )

	Joint associations of <i>Physical Assault/Theft</i> and Maltreatment Profile		Joint associations of <i>Comments/Behaviors</i> and Maltreatment Profile		Joint associations of <i>both</i> bullying types and Maltreatment Profile		Joint associations of <i>both</i> bullying types, Maltreatment Profile, and interactions	
	AOR	95%CI	AOR	95%CI	AOR	95%CI	AOR	95%CI
Physical Assault/Theft (0-4 scale)	1.09	0.99-1.19	-	-	1.03	0.93-1.14	1.04	0.88-1.22
Comments/Behaviors (0-4 scale)	-	-	<b>1.11***</b>	1.06-1.17	<b>1.11**</b>	1.04-1.17	<b>1.13**</b>	1.04-1.23
Episodic Emotional Maltreatment <sup>a</sup>	<b>1.35**</b>	1.10-1.67	<b>1.33*</b>	1.07-1.65	<b>1.31*</b>	1.06-1.62	<b>1.53*</b>	1.10-2.11
Frequent Emotional and Physical Maltreatment <sup>a</sup>	<b>1.75**</b>	1.20-2.56	<b>1.74**</b>	1.23-2.46	<b>1.70**</b>	1.16 -2.48	<b>2.27*</b>	1.20-4.29
Episodic Emotional and Sexual Abuse <sup>a</sup>	<b>1.72**</b>	1.20-2.47	<b>1.75**</b>	1.27-2.42	<b>1.71**</b>	1.19-2.44	1.53	0.76-3.08
Frequent Emotional, Physical, and Sexual Maltreatment <sup>a</sup>	<b>2.94***</b>	1.73-4.98	<b>3.21***</b>	1.98-5.21	<b>3.08***</b>	1.83-5.18	2.08	0.97-4.44



Comments/Behaviors x Episodic Emotional and Sexual Abuse <sup>c</sup>	-	-	-	-	-	-	1.16	0.91-1.47
Comments/Behaviors x Frequent Emotional, Physical, and Sexual Maltreatment <sup>c</sup>	-	-	-	-	-	-	1.07	0.85-1.36

Notes. Boldface indicates statistical significance (\* $p < .05$ ; \*\* $p < .01$ ; \*\*\* $p < .001$ ).

<sup>a</sup>Reference is the No Maltreatment profile.

<sup>b</sup>Reference is Physical Assault/Theft x No Maltreatment; omnibus test for Physical Assault/Theft x Childhood Maltreatment Profile was non-significant [ $X^2(4)=3.03$ ;  $p=.55$ ].

<sup>c</sup>Reference is Comments/Behaviors x No Maltreatment; omnibus test for Comments/Behaviors x Childhood Maltreatment Profile was non-significant [ $X^2(4)=6.95$ ;  $p=.14$ ].

Appendix Table 5

Associations of childhood bullying victimization and maltreatment with attempts among ideators with a plan (planned attempts;  $n=625$ )

	Joint associations of <i>Physical Assault/Theft</i> and Maltreatment Profile		Joint associations of <i>Comments/Behaviors</i> and Maltreatment Profile	
	AOR	95%CI	AOR	95%CI
Physical Assault/Theft (0-4 scale)	1.09	0.98-1.21	-	-
Comments/Behaviors (0-4 scale)	-	-	0.95	0.87-1.05
Episodic Emotional Maltreatment <sup>a</sup>	1.30	0.84-2.01	1.42	0.93-2.16
Frequent Emotional and Physical Maltreatment <sup>a</sup>	<b>1.87*</b>	1.15-3.02	<b>2.08**</b>	1.32-3.27
Episodic Emotional and Sexual Maltreatment <sup>a</sup>	<b>2.22**</b>	1.26-3.94	<b>2.48**</b>	1.40-4.37
Frequent Emotional, Physical, and Sexual Maltreatment <sup>a</sup>	2.51	0.97-6.48	<b>2.94*</b>	1.15-7.51

Notes. Boldface indicates statistical significance (\* $p<.05$ ; \*\* $p<.01$ ; \*\*\* $p<.001$ ).

<sup>a</sup>Reference is the No Maltreatment profile.



Appendix Table 6

Associations of childhood bullying victimization and maltreatment with attempts among ideators without a plan (unplanned attempts;  $n=3519$ )

	Joint associations of <i>Physical Assault/Theft</i> and Maltreatment Profile		Joint associations of <i>Comments/Behaviors</i> and Maltreatment Profile	
	AOR	95% CI	AOR	95% CI
Physical Assault/Theft (0-4 scale)	1.08	0.96-1.23	-	-
Comments/Behaviors (0-4 scale)	-	-	1.07	0.96-1.19
Episodic Emotional Maltreatment <sup>a</sup>	0.98	0.62-1.56	0.99	0.64-1.54
Frequent Emotional and Physical Maltreatment <sup>a</sup>	1.32	0.82-2.14	1.37	0.87-2.15
Episodic Emotional and Sexual Maltreatment <sup>a</sup>	1.69	1.01-2.82	<b>1.77*</b>	1.11-2.83
Frequent Emotional, Physical, and Sexual Maltreatment <sup>a</sup>	<b>4.07***</b>	2.05-8.07	<b>4.52***</b>	2.30-8.89

Notes. Boldface indicates statistical significance (\* $p<.05$ ; \*\* $p<.01$ ; \*\*\* $p<.001$ ).

<sup>a</sup>Reference is the No Maltreatment profile.