

**Table 2: Multiple Regression Results for Effects of ETS on Health**

EARLY TRAUMATIC STRESS <sup>a</sup> AND HEALTH OUTCOMES										
<i>MENTAL HEALTH</i>	ALL (N=10283)		MALES (n=3333)		FEMALES (n=6946)		BLACKS (n= 3749)		WHITES (n=6530)	
	<i>B</i>	<i>95% CI</i>	<i>B</i>	<i>95% CI</i>	<i>B</i>	<i>95% CI</i>	<i>B</i>	<i>95% CI</i>	<i>B</i>	<i>95% CI</i>
Early Traumatic Stress <sup>1</sup>	-1.93***	[-2.31,-1.56]	-1.54***	[-2.13, -.96]	-2.08***	[-2.57, -.160]	-1.90***	[-2.60, -1.20]	-1.93***	[-2.38,-1.47]
Early Traumatic Stress <sup>2</sup>	-1.64***	[-2.06,-1.24]	-1.40***	[-2.00, -.78]	-1.76***	[-2.3, -1.21]	-1.67***	[-2.38, -.95]	-1.67***	[-2.16,-1.17]
ETS (all 5 types) <sup>1</sup>	-2.80***	[-3.64,-1.95]	-.16	[-2.11, 1.79]	-3.20***	[-4.14, -2.26]	-1.74*	[-3.16, -.32]	-3.41***	[-4.45,-2.37]
ETS (all 5 types) <sup>2</sup>	-2.38***	[-3.12, -1.64]	.05	[-1.92, 2.01]	-3.16***	[-4.16, -2.15]	-1.69*	[-3.12, -.27]	-3.24***	[-4.33,-2.15]
<i>PHYSICAL HEALTH</i>										
Early Traumatic Stress <sup>1</sup>	-1.53***	[-1.97,-1.08]	-1.11**	[-1.80, -.43]	-2.01***	[-2.57, -1.60]	-.95*	[-1.73,-.17]	-1.85***	[-2.40,-1.30]
Early Traumatic Stress <sup>2</sup>	-1.02***	[-1.50,-.55]	-.81*	[-1.52, -.11]	-1.17***	[-1.80, -.54]	-.62	[-1.38, .15]	-1.37***	[-1.94,-.80]
ETS (all 5 types) <sup>1</sup>	-3.20***	[-4.18,-2.22]	-2.60*	[-4.90, -.29]	-3.30***	[-4.42, -2.19]	-1.50	[-3.09, .10]	-4.24***	[-5.49,-2.99]
ETS (all 5 types) <sup>2</sup>	-2.51***	[-3.52,-1.51]	-1.91	[-4.21, .40]	-2.60***	[-3.78, -1.42]	-1.20	[-2.75, .35]	-3.70***	[-4.97,-2.43]

Note. Multiple imputation data used to account for missing variables of mental and physical health (5 imputations applied). B= Raw unstandardized coefficients.

<sup>a</sup> Early traumatic stress (ETS) refers to exposure to one or more of: child abuse (CA) physical/emotional/sexual abuse, neglect and/or witnessed abuse

<sup>1</sup> Controlled for age (added race for all male/female related regressions, and gender for all Black/White related regressions)

<sup>2</sup> Controlled for age, income self (last 12 months), education (fruit intake included for physical health only)

\* $p < .05$  \*\* $p < .01$  \*\*\* $p < .0001$

**Table 3: Demographics by Gender and Race**

<b>VARIABLES</b>	<u>ALL</u> N=10283 n(%)	<u>All Males</u> n=3333 (32)	<u>All Females</u> n=6946 (68)	<u>All Blacks</u> n=3749 (36)	<u>All Whites</u> n=6530 (64)
<b>Age***</b> Mean (SD) Year	62 (14) <sup>a</sup>	63 (14) <sup>b</sup>	61(14) <sup>a</sup>	58 (13) <sup>c</sup>	64 (14) <sup>a</sup>
<b>Education***</b>					
• • • • •	2441 (24)	697 (21)	1746 (26)	912 (26)	1525 (23)
school	2237 (22)	586 (18)	1651 (24)	790 (21)	1447 (22)
Some College	3403 (33)	995 (30)	2409 (35)	1193 (32)	2210 (34)
College degree	2085 (21)	1039 (31)	1047 (15)	771 (21)	1314 (20)
• • • • • • • •					
<b>Income***</b> (Self- past 12 months)					
<\$10K (1)	5353 (17)	178 (6)	1530 (23)	567 (16)	1139 (18)
\$11-20K (2)	1987 (20)	478 (14)	1509 (23)	644 (18)	1343 (22)
\$21-30K (3)	1660 (17)	549 (17)	1111 (17)	644 (18)	1016 (16)
\$31-50K (4)	2159 (22)	855 (27)	1304 (20)	863 (24)	1296 (21)
\$51-75K (5)	1233 (13)	578 (18)	656 (10)	504 (14)	729 (12)
\$76-100K (6)	532 (5)	263 (8)	269 (4)	219 (6)	313 (5)
>\$101K (7)	508 (5)	330 (10)	178 (3)	145 (4)	363 (6)

<sup>a</sup>Age Range=30-106; <sup>b</sup>Age Range=30-101; <sup>c</sup>Age Range=30-99  
Age compared using *t-test*: Gender (10105)=4.8 \*\*\**p*<.0001; Race (10107)= -21.1 \*\*\**p*<.0001  
Education comparison: *Pearson Chi<sup>2</sup>* Gender (10162)=590.4 \*\*\**p*<.0001; Race (10166)=175.9 \*\*\**p*<.0001  
Income comparison: *Pearson Chi<sup>2</sup>* Gender (9782)=919.2 \*\*\**p*<.0001; Race (9785) =75.0 \*\*\**p*<.0001

**Table 4: Descriptive Statistics of Religious Involvement by gender and race**

<b>RELIGIOUS VARIABLES (Range)</b>	<b>ALL (N=10283)</b>		<b>MALES *** (n=3333)</b>		<b>FEMALES *** (n=6946)</b>		<b>BLACKS *** (n=3749)</b>		<b>WHITES*** (n=6530)</b>	
	<i>Mean</i>	<i>SD</i>	<i>Mean</i>	<i>SD</i>	<i>Mean</i>	<i>SD</i>	<i>Mean</i>	<i>SD</i>	<i>Mean</i>	<i>SD</i>
Religious Involvement										
Intrinsic Religiosity (IR, 1-7)	6.19	1.07	6.42	.89	6.47	.86	6.28	1.00		
Positive Religious Coping (+RC, 1-5)	4.05	.76	4.15	.68	4.27	.63	4.03	.74		
Negative Religious Coping (-RC, 1-5)	1.45	.50	1.41	.52	1.45	.56	1.40	.48		
Forgiveness (1-7)	6.17 <sup>a</sup>	.94	6.18 <sup>a</sup>	.95	6.24	.94	6.14	1.00		
Gratitude (1-7)	6.22	.77	6.36	.73	6.41	.68	6.26	.78		

Note. Each religious involvement variable was compared using *t-test*: Gender (males,females) \*\*\* $p < .0001$ ; Race (Black,White) \*\*\* $p < .0001$

<sup>a</sup> No statistical significant difference by gender – all those without the subscript were statistically significantly different.

**Table 5: Prevalence of Early Traumatic Stress and Health Scores**

ETS Types	N(%)				
	<u>ALL (%)</u>	<u>Male(%)</u>	<u>Female(%)</u>	<u>Black(%)</u>	<u>White(%)</u>
Physical Abuse	3776 (38)	1236(38)	2540(38)	1692(48)***	2084(33)***
Emotional Abuse	3701 (37)	1123(35)***	2578(39)***	1552(44)**	2150(34)***
Sexual Abuse	2258 (23)	389(12)***	1868(28)***	944(26)***	1314(21)***
Neglect	2959 (29)	1067(21)***	1892(28)***	897(24)***	2062(32)***
Witness Abuse (Parental)	2843 (28)	853(26)**	1990(29)**	1153(31)***	1692(26)***
Early Traumatic Stress (One or more type)	6719 (67)	2119(65)**	4600(69)**	2683(75)***	4039(64)***
Early Traumatic Stress (All types)	447 (5)	65(2)***	382(6)***	285(5)	162(5)
<b>Health Outcome (Mean, SD)</b>	<b>N=9284</b>	<b>(n=3081)</b>	<b>(n=6203)</b>	<b>(n=3305)</b>	<b>(n=5979)</b>
Mental Health	53(9)	53(8)**	53(9)**	53(9)	53(9)
Physical Health	48(11)	50(10)**	47(11)**	49(10)**	48(11)**

Note. ETS = early traumatic stress.

Mental Health comparison using t-tests *Gender* (9279)= 7.1; *race*(9282)= -0.1.

Physical Health comparison using t-test *Gender* (9279)=9.1; *race*(9282)=2.9.

ETS (any type) comparison using Pearson  $\chi^2$  *Gender* (9936)=19.6; *race*(9939)=121.2

ETS (all types) comparison using Pearson  $\chi^2$  *Gender* (9507)=72.2; *Race*( 9510)=.08

\* $p < .05$  \*\* $p < .01$  \*\*\* $p < .0001$

**Table 6: 3-Way Interactions of Religious Involvement and ETS by Gender and Race**

<u>3-WAY INTERACTIONS BY GENDER</u>				<u>3-WAY INTERACTIONS BY RACE</u>			
<u>MENTAL HEALTH</u>	<u>B</u>	<u>SE</u>	<u>95% CI</u>	<u>MENTAL HEALTH</u>	<u>B</u>	<u>SE</u>	<u>95% CI</u>
Gender-IR-ETS	-.39	.42	[-1.23, .44]	Race-IR-ETS	-.71	.47	[-1.64, .22]
Gender-PRC-ETS	-.56	.55	[-1.63, .52]	Race-PRC-ETS	.01	.62	[-1.21, 1.23]
Gender-NRC-ETS	-.44	.89	[-2.14, 1.26]	Race-NRC-ETS	.84	.85	[-.83, 2.51]
Gender-Forgiveness-ETS	.21	.44	[-.66, 1.07]	Race-Forgiveness-ETS	-.18	.44	[-1.04, .67]
Gender-Gratitude-ETS	-.32	.55	[-1.45, .76]	Race-Gratitude-ETS	-.13	.59	[-1.29, 1.03]
<u>PHYSICAL HEALTH</u>				<u>PHYSICAL HEALTH</u>			
Gender-IR-ETS	.93	.50	[-.18, 2.30]	Race-IR-ETS	.15	.56	[-.94, 1.24]
Gender-PRC-ETS	1.43*	.66	[.14, 2.73]	Race-PRC-ETS	-1.36	.80	[-2.93, .22]
Gender-NRC-ETS	-2.95**	1.06	[-5.03, -.87]	Race-NRC-ETS	.63	1.06	[-1.45, 2.71]
Gender-Forgiveness-ETS	.34	.36	[-.36, 1.05]	Race-Forgiveness-ETS	.25	.55	[-.82, 1.32]
Gender-Gratitude-ETS	.44	.66	[-.86, 1.74]	Race-Gratitude-ETS	-.66	.72	[-2.06, .75]

\*p<.05 \*\*p<.01 \*\*\*p<.0001

**Table 7: Moderation of Religious Involvement by Gender**

MODERATION OF RELIGIOUS INVOLVEMENT <sup>a</sup>						
	ALL MALES (3333) <sup>1</sup>			ALL FEMALES (n=6946) <sup>1</sup>		
<i>MENTAL HEALTH</i>	<i>B</i>	<i>SE</i>	<i>95% CI</i>	<i>B</i>	<i>SE</i>	<i>95% CI</i>
ETS and Intrinsic Religiosity (IR)	.71*	.30	[.12, 1.29]	.39	.29	[-.16, .93]
ETS and +Religious Coping (+RC)	.93*	.40	[.15, 1.72]	.42	.35	[-.28, 1.11]
ETS and - Religious Coping (-RC)	.33	.63	[-.93, 1.55]	-.23	.53	[-1.26, .81]
ETS and Forgiveness	.37	.23	[-.85, .82]	.31	.18	[-.04, .66]
ETS and Gratitude	1.13**	.39	[.37, 1.88]	.67	.35	[-.01, 1.36]
 <i>PHYSICAL HEALTH</i>						
ETS and Intrinsic Religiosity (IR)	-.50	.35	[-1.18, .19]	.42	.33	[-.24, 1.07]
ETS and +Religious Coping (+RC)	<b>-.95*</b>	.47	[-1.87, .04]	.50	.43	[-.34, 1.35]
ETS and -Religious Coping (-RC)	<b>1.60*</b>	.80	[.03, 3.17]	<b>-1.28*</b>	.64	[-2.53, -.03]
ETS and Forgiveness	.13	.27	[-.40, .65]	.47*	.22	[.04, .90]
ETS and Gratitude	.17	.47	[-1.10, .76]	.35	.43	[-.49, 1.12]

Note. Multiple imputation data used to account for missing variables of mental and physical health (5 imputations applied).

B= Raw unstandardized coefficients.

<sup>1</sup>Statistically controlled for Age <sup>2</sup>Statistically controlled for, age, education, income (self)

<sup>a</sup> Interaction of early traumatic stress (ETS) and religious involvement variables

\* $p < .05$  \*\* $p < .01$  \*\*\* $p < .0001$