

**Appendix Table 1. Demographic predictors of specific internalizing lifetime disorders in quarter 2 2011 through quarter 4 2012 of the Army STARRS New Soldier Study (n = 38,507)<sup>1</sup>**

	MDE		BPD		GAD		PD		PTSD	
	OR	(95% CI)	OR	(95% CI)	OR	(95% CI)	OR	(95% CI)	OR	(95% CI)
<b>Sex</b>										
Women	1.6*	(1.5-1.8)	1.5*	(1.3-1.7)	1.9*	(1.6-2.1)	1.8*	(1.4-2.2)	1.8*	(1.6-2.0)
Men	--	--	--	--	--	--	--	--	--	--
$\chi^2_1$	109.5*		24.6*		101.1*		28.6*		170.7*	
$\Phi_c$	0.05		0.02		0.05		0.03		0.07	
<b>Race/ethnicity</b>										
Non-Hispanic Black	0.5*	(0.4-0.6)	0.6*	(0.5-0.7)	0.5*	(0.4-0.5)	0.6*	(0.5-0.8)	0.7*	(0.6-0.7)
Non-Hispanic White	--	--	--	--	--	--	--	--	--	--
Hispanic	0.7*	(0.6-0.8)	0.8*	(0.6-1.0)	0.6*	(0.6-0.7)	0.7*	(0.5-0.9)	0.8*	(0.7-0.8)
Other	1.0	(0.8-1.2)	1.2	(0.9-1.5)	0.9	(0.7-1.0)	0.8	(0.6-1.1)	0.9	(0.8-1.1)
$\chi^2_3$	80.9*		34.9*		209.2*		25.7*		72.7*	
$\Phi_c$	0.05		0.03		0.07		0.03		0.04	
<b>Soldier education</b>										
Some college/college graduate	0.7*	(0.5-0.8)	0.8	(0.6-1.1)	0.8*	(0.6-1.0)	0.9	(0.6-1.3)	0.8*	(0.7-1.0)
Completed high school	--	--	--	--	--	--	--	--	--	--
Less than high school	1.0	(0.9-1.2)	1.1	(0.9-1.3)	1.1	(0.9-1.2)	0.9	(0.8-1.2)	0.9	(0.8-1.1)
$\chi^2_2$	11.4*		3.3		4.9		0.8		5.3	
$\Phi_c$	0.02		0.01		0.01		0.01		0.01	
<b>Marital status</b>										
Married	--	--	--	--	--	--	--	--	--	--
Previously/never married	1.0	(0.8-1.1)	1.0	(0.8-1.2)	0.9	(0.8-1.0)	1.0	(0.7-1.2)	1.0	(0.8-1.1)
$\chi^2_1$	0.2		0.1		2.2		0.1		0.5	
$\Phi_c$	0.00		0.00		0.01		0.00		0.00	
<b>Religion</b>										
Protestant	--	--	--	--	--	--	--	--	--	--
Catholic	1.0	(0.9-1.1)	0.9	(0.7-1.1)	1.0	(0.9-1.1)	0.9	(0.7-1.1)	0.9	(0.8-1.0)
Other religion	1.2*	(1.0-1.5)	1.2	(0.9-1.6)	1.1	(0.9-1.4)	1.5*	(1.2-1.9)	1.3*	(1.1-1.5)
No religion	1.1	(1.0-1.2)	1.0	(0.8-1.1)	1.0	(0.9-1.2)	1.0	(0.8-1.2)	1.0	(0.9-1.1)
$\chi^2_3$	5.8		4.1		1.8		12.9*		19.1*	
$\Phi_c$	0.01		0.01		0.01		0.02		0.02	
<b>Nativity</b>										
Immigrant	0.9	(0.7-1.1)	0.7*	(0.6-0.9)	0.8	(0.7-1.0)	0.7	(0.4-1.0)	0.8*	(0.7-0.9)
First generation	1.0	(0.9-1.2)	0.9	(0.8-1.2)	1.0	(0.8-1.1)	1.0	(0.8-1.3)	1.0	(0.9-1.1)
Second generation	--	--	--	--	--	--	--	--	--	--
$\chi^2_2$	0.8		5.6		3.0		3.6		9.9*	
$\Phi_c$	0.00		0.01		0.01		0.01		0.02	
<b>Parent education relative to Soldier education</b>										
Parents college graduate <sup>2</sup>	0.9	(0.9-1.0)	1.0	(0.8-1.1)	1.0	(0.9-1.1)	0.8*	(0.7-0.9)	1.0	(0.9-1.1)
Parents some college completed <sup>2</sup>	0.9*	(0.8-1.0)	1.0	(0.8-1.1)	0.8*	(0.7-0.9)	0.9	(0.7-1.0)	0.9*	(0.8-1.0)
All other	--	--	--	--	--	--	--	--	--	--
$\chi^2_2$	7.8*		0.4		13.9*		8.8*		4.7	
$\Phi_c$	0.01		0.00		0.02		0.02		0.01	
<b>Age</b>										
Standardized age	0.8*	(0.7-0.8)	0.7*	(0.7-0.8)	0.8*	(0.7-0.8)	0.8*	(0.7-0.9)	0.8*	(0.8-0.9)
$\chi^2_1$	52.9*		34.2*		50.1*		17.6*		43.5*	
$\Phi_c$	0.04		0.03		0.04		0.02		0.03	

Abbreviations: Army STARRS, Army Study to Assess Risk and Resilience in Servicemembers; MDE, major depressive episode; BPD, broad spectrum bipolar disorder; GAD, generalized anxiety disorder; PD, panic disorder; PTSD, post-traumatic stress disorder; OR, odds-ratio; CI, confidence interval; BCT, Basic Combat Training.

\* Significantly different from the reference group (indicated by --) at the .05 level, two-sided test.

<sup>1</sup> Based on a series of multivariate logistic regression equations controlling for version of the New Soldier Study, site of Basic Combat Training, service component, and all socio-demographic predictors listed here.

<sup>2</sup> Parents college graduate—at least one parent completed college and the soldier had a lower level of education than college graduation; Parents some college—at least one parent completed some college and the soldier had a lower level of education.

**Appendix Table 2. Demographic predictors of specific externalizing lifetime disorders in quarter 2 2011 through quarter 4 2012 of the Army STARRS New Soldier Study (n = 38,507)<sup>1</sup>**

	IED		CD		ODD (95% CI)		SUD		ADHD	
	OR	(95% CI)	OR	(95% CI)	OR	(95% CI)	OR	(95% CI)	OR	95% CI)
<b>Sex</b>										
Women	0.9*	(0.8-1.0)	0.6*	(0.5-0.7)	1.1*	(1.0-1.3)	0.8*	(0.8-0.9)	1.2*	(1.1-1.4)
Men	--	--	--	--	--	--	--	--	--	--
$\chi^2_1$	7.3*		30.3*		6.1*		11.2*		8.6*	
$\phi_c$	0.01		0.03		0.01		0.02		0.02	
<b>Race/ethnicity</b>										
Non-Hispanic Black	0.7*	(0.7-0.8)	1.3*	(1.1-1.5)	1.0	(0.9-1.1)	0.7*	(0.6-0.8)	0.7*	(0.6-0.8)
Non-Hispanic White	--	--	--	--	--	--	--	--	--	--
Hispanic	0.8*	(0.7-0.9)	1.1	(0.9-1.3)	1.0	(0.9-1.1)	0.8*	(0.7-0.9)	0.9	(0.7-1.0)
Other	0.9	(0.8-1.1)	1.1	(0.9-1.4)	1.0	(0.8-1.2)	1.1	(1.0-1.3)	1.1	(0.9-1.3)
$\chi^2_3$	51.7*		13.6*		0.0		66.5*		29.9*	
$\phi_c$	0.04		0.02		0.00		0.04		0.03	
<b>Soldier education</b>										
Some college/college graduate	0.9	(0.8-1.0)	0.5*	(0.4-0.7)	0.8*	(0.7-0.9)	1.1	(0.9-1.2)	0.7*	(0.6-1.0)
Completed high school	--	--	--	--	--	--	--	--	--	--
Less than high school	1.0	(0.9-1.2)	1.0	(0.9-1.3)	1.1	(0.9-1.2)	0.9	(0.8-1.0)	1.2	(1.0-1.4)
$\chi^2_2$	4.0		22.8*		9.5*		2.4		10.1*	
$\phi_c$	0.01		0.02		0.02		0.01		0.02	
<b>Marital status</b>										
Married	--	--	--	--	--	--	--	--	--	--
Previously/never married	1.0	(0.9-1.1)	1.0	(0.8-1.3)	1.0	(0.8-1.1)	1.3*	(1.2-1.5)	1.3*	(1.1-1.6)
$\chi^2_1$	0.2		0.1		0.2		22.1*		7.3*	
$\phi_c$	0.00		0.00		0.00		0.02		0.01	
<b>Religion</b>										
Protestant	--	--	--	--	--	--	--	--	--	--
Catholic	0.9*	(0.8-1.0)	1.0	(0.9-1.2)	0.9	(0.8-1.0)	1.0	(1.0-1.1)	1.0	(0.9-1.2)
Other religion	0.9	(0.8-1.1)	1.7*	(1.3-2.2)	1.3*	(1.1-1.6)	1.0	(0.8-1.2)	1.2	(0.9-1.5)
No religion	1.0	(0.9-1.0)	1.2*	(1.1-1.4)	1.1	(1.0-1.2)	1.0	(0.9-1.1)	1.0	(0.9-1.2)
$\chi^2_3$	9.1*		29.4*		23.9*		1.8		1.5	
$\phi_c$	0.02		0.03		0.02		0.01		0.01	
<b>Nativity</b>										
Immigrant	0.7*	(0.6-0.9)	0.9	(0.7-1.1)	0.7*	(0.6-0.9)	0.8*	(0.7-1.0)	0.9	(0.7-1.1)
First generation	0.9	(0.8-1.1)	1.2	(1.0-1.4)	1.0	(0.9-1.2)	1.0	(0.9-1.1)	1.1	(0.9-1.3)
Second generation	--	--	--	--	--	--	--	--	--	--
$\chi^2_2$	16.2*		6.5*		11.5*		6.5*		2.3	
$\phi_c$	0.02		0.01		0.02		0.01		0.01	
<b>Parent education relative to Soldier education</b>										
Parents college graduate <sup>2</sup>	1.0	(0.9-1.1)	0.7*	(0.6-0.8)	1.0	(0.9-1.1)	1.0	(1.0-1.1)	1.0	(0.9-1.1)
Parents some college completed <sup>2</sup>	0.9	(0.9-1.0)	0.8*	(0.7-0.9)	0.9*	(0.8-1.0)	0.9	(0.8-1.0)	0.9	(0.8-1.0)
All other	--	--	--	--	--	--	--	--	--	--
$\chi^2_2$	2.2		27.2*		8.0*		6.3*		2.5	
$\phi_c$	0.01		0.03		0.01		0.01		0.01	
<b>Age</b>										
Standardized age	0.8*	(0.8-0.8)	0.8*	(0.7-0.8)	0.8*	(0.7-0.8)	1.1*	(1.0-1.1)	0.7*	(0.7-0.8)
$\chi^2_1$	90.1*		33.5*		53.9*		19.3*		55.2*	
$\phi_c$	0.05		0.03		0.04		0.02		0.04	

Abbreviations: Army STARRS, Army Study to Assess Risk and Resilience in Servicemembers; IED, intermittent explosive disorder; CD, conduct disorder; ODD, oppositional defiant disorder; SUD, substance use disorder; ADHD, attention deficit hyperactivity disorder; OR, odds-ratio; CI, confidence interval; BCT, Basic Combat Training.

\* Significantly different from the reference group (indicated by --) at the .05 level, two-sided test.

<sup>1</sup> Based on a series of multivariate logistic regression equations controlling for version of the New Soldier Study, site of Basic Combat Training, service component, and all socio-demographic predictors listed here.

<sup>2</sup> Parents college graduate=at least one parent completed college and the soldier had a lower level of education than college graduation; Parents some college=at least one parent completed some college and the soldier had a lower level of education.

**Appendix Table 3. Demographic predictors of persistence for specific internalizing lifetime disorders in quarter 2 2011 through quarter 4 2012 of the Army STARRS New Soldier Study<sup>1</sup>**

	MDE		BPD		GAD		PD		PTSD	
	IRR	(95% CI)	IRR	(95% CI)	IRR	(95% CI)	IRR	(95% CI)	IRR	(95% CI)
<b>Sex</b>										
Women	1.1	(0.9-1.4)	1.2	(0.9-1.6)	1.3*	(1.1-1.6)	1.0	(0.7-1.3)	1.2	(1.0-1.4)
Men	--	--	--	--	--	--	--	--	--	--
$\chi^2_1$		1.7		1.2		7.6*		0.0		3.5
$\Phi_c$		0.03		0.03		0.06		0.00		0.03
<b>Race/ethnicity</b>										
Non-Hispanic Black	1.0	(0.8-1.3)	1.0	(0.7-1.4)	0.9	(0.7-1.1)	0.7*	(0.5-1.0)	1.1	(0.9-1.4)
Non-Hispanic White	--	--	--	--	--	--	--	--	--	--
Hispanic	1.0	(0.8-1.3)	1.2	(0.8-1.8)	1.0	(0.8-1.3)	0.8	(0.6-1.2)	0.9	(0.7-1.1)
Other	1.0	(0.8-1.4)	0.9	(0.6-1.3)	0.8	(0.6-1.2)	0.9	(0.6-1.5)	1.0	(0.8-1.3)
$\chi^2_3$		0.2		1.8		2.3		4.9		3.8
$\Phi_c$		0.01		0.04		0.03		0.07		0.03
<b>Soldier education</b>										
Some college/college graduate	0.9	(0.6-1.5)	1.2	(0.6-2.3)	0.9	(0.6-1.3)	1.2	(0.7-2.1)	0.8	(0.5-1.1)
Completed high school	--	--	--	--	--	--	--	--	--	--
Less than high school	0.9	(0.8-1.2)	1.0	(0.7-1.4)	1.1	(0.8-1.3)	0.9	(0.6-1.3)	1.0	(0.8-1.2)
$\chi^2_2$		0.3		0.3		0.6		0.7		2.8
$\Phi_c$		0.01		0.02		0.02		0.03		0.03
<b>Marital status</b>										
Married	--	--	--	--	--	--	--	--	--	--
Previously/never married	0.9	(0.7-1.2)	1.0	(0.7-1.6)	1.0	(0.8-1.3)	1.1	(0.8-1.6)	1.0	(0.8-1.3)
$\chi^2_1$		0.5		0.0		0.0		0.3		0.0
$\Phi_c$		0.01		0.00		0.00		0.02		0.00
<b>Religion</b>										
Protestant	--	--	--	--	--	--	--	--	--	--
Catholic	1.0	(0.8-1.2)	0.8	(0.6-1.1)	1.1	(0.9-1.4)	1.1	(0.7-1.5)	1.0	(0.9-1.2)
Other religion	0.9	(0.6-1.3)	1.1	(0.7-1.9)	1.3	(0.9-1.9)	0.9	(0.5-1.4)	1.3	(1.0-1.7)
No religion	0.9	(0.7-1.1)	1.3	(1.0-1.7)	1.1	(0.9-1.4)	1.1	(0.8-1.5)	1.1	(0.9-1.2)
$\chi^2_3$		1.8		6.2		2.8		1.5		3.0
$\Phi_c$		0.03		0.07		0.03		0.04		0.03
<b>Nativity</b>										
Immigrant	0.7	(0.5-1.0)	0.5*	(0.3-0.9)	0.7	(0.5-1.0)	0.6	(0.3-1.0)	0.8	(0.6-1.0)
First generation	0.7*	(0.6-1.0)	0.9	(0.6-1.3)	0.9	(0.7-1.2)	1.0	(0.7-1.5)	0.9	(0.8-1.1)
Second generation	--	--	--	--	--	--	--	--	--	--
$\chi^2_2$		7.0*		4.8		3.6		3.8		3.2
$\Phi_c$		0.05		0.06		0.04		0.06		0.03
<b>Parent education relative to Soldier education</b>										
Parents college graduate <sup>2</sup>	0.8*	(0.7-1.0)	0.8	(0.6-1.1)	1.0	(0.8-1.2)	1.0	(0.7-1.3)	0.8*	(0.7-0.9)
Parents some college completed <sup>2</sup>	0.9	(0.7-1.1)	0.9	(0.7-1.1)	1.0	(0.8-1.2)	1.1	(0.8-1.4)	0.9	(0.8-1.1)
All other	--	--	--	--	--	--	--	--	--	--
$\chi^2_2$		4.6		2.5		0.2		0.2		7.9*
$\Phi_c$		0.04		0.04		0.01		0.01		0.04
<b>Age</b>										
Age of onset	0.9*	(0.8-0.9)	0.9*	(0.9-1.0)	0.9*	(0.9-0.9)	0.9*	(0.8-0.9)	0.9*	(0.9-1.0)
$\chi^2_1$		34.3*		5.2*		27.8*		15.5*		16.5*
$\Phi_c$		0.12		0.06		0.10		0.12		0.06
Time since onset	0.9*	(0.9-0.9)	0.9*	(0.8-0.9)	0.9*	(0.9-1.0)	0.9*	(0.8-0.9)	0.8*	(0.8-0.9)
$\chi^2_1$		25.9*		19.1*		17.7*		24.8*		110.7*
$\Phi_c$		0.10		0.12		0.08		0.16		0.16

---

Abbreviations: Army STARRS, Army Study to Assess Risk and Resilience in Servicemembers; MDE, major depressive episode; BPD, broad spectrum bipolar disorder; GAD, generalized anxiety disorder; PD, panic disorder; PTSD, post-traumatic stress disorder; IRR, incident rate ratio; CI, confidence interval.

\* Significantly different from the reference group (indicated by --) at the .05 level, two-sided test.

<sup>1</sup> Based on a series of negative binomial equations controlling for version of the New Soldier Study, site of Basic Combat Training, service component, and all socio-demographic predictors listed here.

<sup>2</sup> Parents college graduate=at least one parent completed college and the soldier had a lower level of education than college graduation; Parents some college=at least one parent completed some college and the soldier had a lower level of education.

**Appendix Table 4. Demographic predictors of persistence for specific externalizing lifetime disorders in quarter 2 2011 through quarter 4 2012 of the Army STARRS New Soldier Study<sup>1</sup>**

	IED		CD		ODD		SUD	
	IRR	(95% CI)	IRR	(95% CI)	IRR	(95% CI)	IRR	(95% CI)
<b>Sex</b>								
Women	1.2*	(1.1-1.4)	0.9	(0.7-1.2)	1.1	(1.0-1.3)	1.0	(0.8-1.3)
Men	--	--	--	--	--	--	--	--
$\chi^2_1$	8.1*		0.7		3.1		0.1	
$\Phi_c$	0.04		0.02		0.03		0.00	
<b>Race/ethnicity</b>								
Non-Hispanic Black	0.7*	(0.6-0.9)	0.9	(0.7-1.1)	1.0	(0.8-1.1)	0.9	(0.7-1.1)
Non-Hispanic White	--	--	--	--	--	--	--	--
Hispanic	0.7*	(0.6-0.9)	0.9	(0.7-1.1)	1.0	(0.9-1.2)	0.9	(0.7-1.1)
Other	0.7*	(0.5-0.8)	0.8	(0.6-1.1)	0.6*	(0.5-0.8)	0.8	(0.6-1.0)
$\chi^2_3$	36.8*		3.2		25.0*		4.2	
$\Phi_c$	0.08		0.04		0.08		0.03	
<b>Soldier education</b>								
Some college/college graduate	0.9	(0.7-1.1)	1.0	(0.6-1.5)	1.3	(1.0-1.7)	0.8	(0.6-1.0)
Completed high school	--	--	--	--	--	--	--	--
Less than high school	1.0	(0.9-1.1)	1.1	(0.9-1.4)	0.9	(0.8-1.1)	1.0	(0.8-1.2)
$\chi^2_2$	0.9		1.2		4.0		3.8	
$\Phi_c$	0.01		0.02		0.03		0.03	
<b>Marital status</b>								
Married	--	--	--	--	--	--	--	--
Previously/never married	0.9	(0.7-1.1)	1.0	(0.7-1.3)	1.2*	(1.0-1.5)	1.1	(0.9-1.4)
$\chi^2_1$	1.9		0.0		4.5*		0.8	
$\Phi_c$	0.02		0.00		0.04		0.02	
<b>Religion</b>								
Protestant	--	--	--	--	--	--	--	--
Catholic	0.9	(0.8-1.1)	1.0	(0.8-1.2)	1.0	(0.9-1.2)	1.0	(0.9-1.2)
Other religion	1.2	(0.9-1.5)	0.8	(0.6-1.1)	1.1	(0.9-1.4)	1.1	(0.8-1.5)
No religion	0.9	(0.8-1.0)	1.0	(0.8-1.2)	1.1	(0.9-1.2)	1.1	(0.9-1.3)
$\chi^2_3$	4.5		2.4		1.5		1.6	
$\Phi_c$	0.03		0.04		0.02		0.02	
<b>Nativity</b>								
Immigrant	0.9	(0.7-1.2)	1.0	(0.7-1.4)	0.8*	(0.6-1.0)	0.8	(0.6-1.0)
First generation	1.0	(0.8-1.1)	0.7*	(0.5-0.8)	0.7*	(0.6-0.8)	0.9	(0.7-1.1)
Second generation	--	--	--	--	--	--	--	--
$\chi^2_2$	0.6		13.8*		20.6*		3.7	
$\Phi_c$	0.01		0.08		0.08		0.03	
<b>Parent education relative to Soldier education</b>								
Parents college graduate <sup>2</sup>	1.0	(0.9-1.1)	1.3*	(1.1-1.6)	1.2*	(1.1-1.4)	1.1	(0.9-1.2)
Parents some college completed <sup>2</sup>	1.0	(0.9-1.2)	1.2	(1.0-1.4)	1.1	(1.0-1.2)	1.0	(0.8-1.1)
All other	--	--	--	--	--	--	--	--
$\chi^2_2$	0.3		8.6*		9.3*		1.3	
$\Phi_c$	0.01		0.07		0.05		0.02	
<b>Age</b>								
Age of onset	0.9*	(0.8-0.9)	0.9*	(0.9-1.0)	0.9*	(0.9-1.0)	0.9*	(0.9-0.9)
$\chi^2_1$	100.9*		11.5*		33.8*		41.0*	
$\Phi_c$	0.14		0.08		0.10		0.10	
Time since onset	0.9*	(0.8-0.9)	0.8*	(0.8-0.8)	0.8*	(0.8-0.8)	1.0*	(0.9-1.0)
$\chi^2_1$	196.9*		127.0*		268.7*		11.4*	
$\Phi_c$	0.19		0.26		0.27		0.06	

(n)

(5,387)

(1,907)

(3,663)

(3,796)

---

Abbreviations: Army STARRS, Army Study to Assess Risk and Resilience in Servicemembers; IED, intermittent explosive disorder; CD, conduct disorder; ODD, oppositional defiant disorder; SUD, substance use disorder; ADHD, attention deficit hyperactivity disorder; IRR, incident rate ratio; CI, confidence interval.

\* Significantly different from the reference group (indicated by --) at the .05 level, two-sided test.

<sup>1</sup> Based on a series of negative binomial equations controlling for version of the New Soldier Study, site of Basic Combat Training, service component, and all socio-demographic predictors listed here. Persistence of attention deficit-hyperactivity disorder is not assessed by the CIDI screening scales and was thus excluded from this table.

<sup>2</sup> Parents college graduate=at least one parent completed college and the soldier had a lower level of education than college graduation; Parents some college=at least one parent completed some college and the soldier had a lower level of education..



**Appendix Table 5. Sample dispositions in the Army STARRS New Soldier Study**

	New Soldier Study (Quarter 1 2011–Quarter 4 2012) <sup>1</sup>		Analytic Sample (Quarter 2 2011–Quarter 4 2012)	
	%	Denominator n	%	Denominator n
I. Components of cooperation rate and response rate calculations				
ACS <sup>2</sup>	100.0	(57,152)	100.0	(53,418)
CCS/ACS	97.7	(57,152)	99.9	(53,418)
CS/CCS <sup>3</sup>	91.0	(55,814)	93.7	(53,349)
CRL/CS	83.5	(50,765)	83.5	(50,012)
SRL/CS+CRL <sup>4</sup>	92.3	(42,404)	92.2	(41,757)
II. Cooperation rates				
Survey	88.8	(57,152)	93.6	(53,418)
Survey + CRL	74.2	(57,152)	78.2	(53,418)
Survey + SRL	68.5	(57,152)	72.1	(53,418)
Survey + blood	80.1	(41,318)	80.1	(41,318)
Survey + SRL + blood	67.3	(41,318)	67.3	(41,318)
III. Response rates				
Survey	88.8	(57,152)	93.6	(53,418)
Survey + CRL	74.2	(57,152)	78.2	(53,418)
Survey + SRL	68.5	(57,152)	72.1	(53,418)
Survey + blood	80.1	(41,318)	80.1	(41,318)
Survey + SRL + blood	67.3	(41,318)	67.3	(41,318)
IV. Sample sizes				
Target sample	--	(57,152)	--	(53,418)
Sample with completed surveys	--	(50,765)	--	(50,012)
Sample with completed surveys and SRL	--	(39,132)	--	(38,507)
Sample with completed surveys and blood	--	(33,088)	--	(33,088)
Sample with completed surveys, SRL and blood <sup>5</sup>	--	(27,807)	--	(27,807)

Abbreviations: Army STARRS, Army Study to Assess Risk and Resilience in Servicemembers; ACS, attending consent session; CCS, consent to complete survey; CS, completion of survey; CRL, consent for record linkage; SRL, successful record linkage.

<sup>1</sup> Reported earlier in Heeringa, S.G., Gebler, N., Colpe, L.J., Fullerton, C.S., Hwang, I., Kessler, R.C., Naifeh, J.A., Nock, M.K., Sampson, N.A., Schoenbaum, M., Zaslavsky, A.M., Stein, M.B., Ursano, R.J. (2013). Field procedures in the Army Study to Assess Risk and Resilience in Servicemembers (Army STARRS). *International Journal of Methods in Psychiatric Research* 22(4), 276-287.

<sup>2</sup> The NSS target samples were stipulated to be samples of new soldiers recruited on designated survey administration days in Reception Battalion to equal the numbers we could accommodate in the group survey administration settings established on the training bases. All new Soldiers designated to be part of these target samples were designated as such by the Army POCs and marched to the Army STARRS group administration setting for the informed consent presentation before being asked to provide voluntary informed consent for the survey. Army STARRS data collection staff worked with Army points-of-contact (POCs) to guarantee that the target samples were not systematically biased. Based on these NSS recruitment procedures, the table stipulates that 100% of pre-designated respondents attended the NSS consent sessions.

<sup>3</sup> Failure to complete the survey was largely due to logistical problems with units arriving late or having to leave early from the group survey sessions, although some new Soldiers were unable to complete the survey in the allocated 90-minute data collection period.

<sup>4</sup> Record linkage failure occurred when respondents who signed the informed consent form for record linkage either failed to provide linking information or provided information that did not match the information available in Army administrative records.

<sup>5</sup> Collection of blood did not begin until the fourth quarter of 2011 due to delays in IRB approval of this study component.