

SUPPLEMENTARY MATERIAL

Figure 1. Study framework for analyzing the prevalence and determinants of violence among young people in Serbia age 15-24 years (n = 1448), 2013.

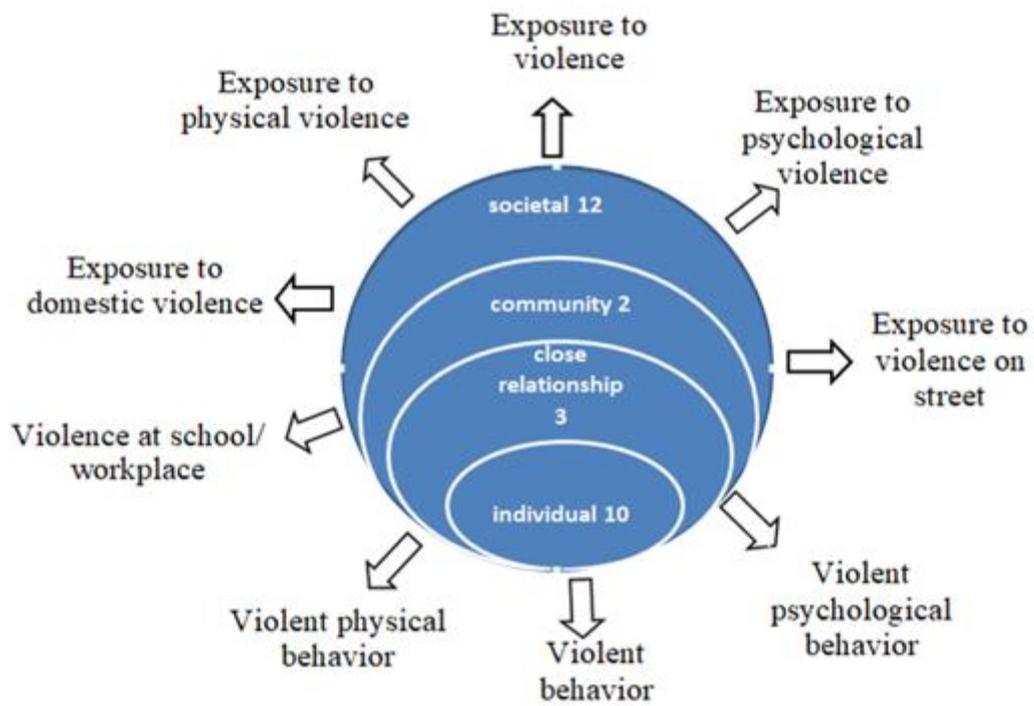


Table S1. The characteristics of the youth in the representative sample of the National Health Survey 2013, Serbia

Characteristics	Respondents	
	n	%
Individual level		
Sex		
Male	843	49
Female	879	51
Age		
Arithmetic mean \pm standard deviation		19.5 \pm 2.9
15-19	1031	59.9
20-24	691	40.1
Employment status		
Unemployed	1508	87.6
Employed	214	12.4
Wealth index		
1 st (the lowest)	303	17.6
2 nd	352	20.4
3 rd	337	19.6
4 th	357	20.7
5 th (the highest)	373	21.7
Education level		
Primary or lower	680	39.5
Secondary	963	55.9
Tertiary	79	4.6
Own health self-perception		
Very good	1092	63.4
Good	549	31.9
Average	67	3.9
Bad	11	0.6
Very bad	3	0.2
Chronic disease		
Yes	125	7.3
No	1597	92.7
Tobacco smoking		
Yes	324	74.1
No	113	25.8
<i>Non-response</i>	1285	74.6
Binge drinking**		
Yes	568	64.1
No	318	35.9
<i>Non-response</i>	836	48.5
Same-sex intercourse		
Yes	30	3.5
No	833	96.5
<i>Non-response</i>	859	49.9
Close-relationship level		
Marital status		
Single	1552	90.1
Married	170	9.9
Number of close friends to turn to in case of a serious personal problem		
None	12	0.7
1 or 2	421	14.4
3-5	915	53.1

6 or more	374	21.7
Number of household members (arithmetic mean \pm SD) #	4.41 \pm 1.6 (4.33-4.49); Range: 1–15	
Community level		
Type of settlement		
Urban	956	55.5
Other settlements	766	44.5
Region		
Vojvodina	397	23.1
Belgrade	380	22.1
Sumadija and Western Serbia	517	30.0
Southern and Eastern Serbia	428	24.9
Societal level		
Neighbors' interest in their life, in what is happening to them		
Very interested	1056	61.3
Interested	552	32.1
Indifferent	73	4.2
Little interested	32	1.9
Not interested	9	0.5
Getting necessary help from neighbor is		
Very easy	303	17.6
Easy	649	37.7
Possible	555	32.2
Difficult	174	10.1
Very difficult	41	2.4
Tracking health information by media		
TV (yes, occasionally)	979	56.9
No	743	43.1
Internet (yes, occasionally)	939	54.5
No	783	45.5
Newspapers (yes, occasionally)	621	36.1
No	1101	63.9
Radio (yes, occasionally)	327	19
No	1395	81

** Consuming six or more alcoholic beverages in a row.

Table S2. The prevalence of violence victimization in the last 12 months by place and response rate

Type of violence	Total	Place of various types of violence victimization		
		In family	At school/ workplace	On a street
Only psychological, n (%)	94 (5.5%)	5 (2.2%)	98 (6.4)	80 (5.2)
<i>Response rate %</i>	84	91	89	90
Only physical, n (%)	18 (1.3%)	18 (1.1%)	29 (1.9%)	64 (4.1%)
<i>Response rate %</i>	79	92	89	90
Combined – Psychological and physical violence, n (%)	207 (13.4%)	44 (2.8%)	106 (7.0%)	112 (7.3%)
<i>Response rate %</i>	90	91	88	89

Table S3. Distribution of respondents according to psychological violence victimization in the last 12 months related to their demographic and other characteristics, young people in Serbia age 15-24 years (n = 1448), 2013.

Characteristics of respondents	Psychological violence victims				<i>p</i> *
	No N=1354		Yes N=94		
	n	%	n	%	
Individual level					
Sex					0.920
Female	641	47.3	44	46.8	
Male	713	52.7	50	53.2	
Age					0.509
15-19	803	59.3	59	62.8	
20-24	551	40.7	35	37.2	
Employment status	1354		94		0.441
Unemployed	1189	87.8	80	85.1	
Employed	165	12.2	14	14.9	
Wealth index					0.303
1 st (the lowest)	241	17.8	13	13.8	
2 nd	268	19.8	16	17.0	
3 rd	267	19.7	17	18.1	
4 th	300	22.2	20	21.3	
5 th the highest)	278	20.5	28	29.8	
Education level					0.576
Primary or lower	522	38.6	33	35.1	
Secondary	768	56.7	58	61.7	
Tertiary	64	4.7	3	3.2	
Psychological violence perpetrator					<0.001
No	1282	96.3	69	75.8	
Yes	49	3.7	22	24.2	
Physical violence perpetrator					<0.001
No	1274	95.6	81	87.1	
Yes	58	4.4	12	12.9	
Own health self-perception					0.012
Very good	887	65.5	49	52.1	
Good	413	30.5	35	37.2	
Average	48	3.5	9	9.6	
Bad	5	0.4	1	1.1	
Very bad	1	0.1	0	0.0	
Chronic disease					0.033
Yes	93	6.9	12	12.8	
No	1261	93.1	82	87.2	
Tobacco smoking	402	100	40	100	0.652
Yes	317	78.9	31	77.5	
No	85	21.1	9	22.5	
Binge drinking**	690	100	68	100	0.214
Yes	424	61.4	47	69.1	
No	266	38.6	21	30.9	
Same -sex intercourse					0.295
Yes	20	2.9	3	5.5	
No	667	97.1	52	94.5	
Close-relationship level					
Marital status					0.919
Single	1220	90.1	85	90.4	
Married	134	9.9	9	9.6	

Number of close friends (to turn to in case of a serious personal problem)					0.007
None	6	0.4	3	3.2	
1 or 2	313	23.1	25	26.6	
3-5	733	54.1	50	53.2	
6 or more	302	22.3	16	17.0	
Number of household members		4.45±1.62		4.11±1.57	0.049#
arithmetic mean ± standard deviation		(4.36-4.53)		(3.79-4.43)	
(range of arithmetic mean) minimum-		(1-15)		(1-9)	
maximum					
Community level					
Societal level					
Type of settlement					0.023
Other settlements	610	45.1	31	33.0	
Urban settlement	744	54.9	63	67.0	
Region					0.535
Vojvodina	317	23.4	26	27.7	
Belgrade	291	21.5	20	21.3	
Sumadija and Western Serbia	406	30.0	22	23.4	
Southern and Eastern Serbia	340	25.1	26	27.7	
Neighbors' interest in their life, in what is happening to them					0.007
Very interested	834	61.6	55	58.5	
Interested	434	32.1	28	29.8	
Indifferent	59	4.4	9	9.6	
Little interested	23	1.7	0	0.0	
Not interested	4	0.3	2	2.1	
Getting the necessary help from neighbor is					0.221
Very easy	251	18.5	16	17.0	
Easy	516	38.1	26	27.7	
Possible	434	32.1	39	41.5	
Difficult	124	9.2	10	10.6	
Very difficult	29	2.1	3	3.2	
Tracking health information by media					
TV (yes/occasionally)	781	58.1	49	52.1	0.262
No	564	41.9	45	47.9	
Internet (yes/occasionally)	755	56.1	59	62.8	0.196
No	591	43.9	35	37.2	
Newspapers (yes/occasionally)	502	37.3	38	40.4	0.536
No	843	62.7	56	59.6	
Radio (yes/occasionally)	267	19.8	16	17.0	0.517
No	1079	80.2	78	83.0	

*Pearson Chi Square test ** Consuming six or more alcoholic beverages in a row. # one-way ANOVA F=3,876 df=1.

Table S4. Distribution of respondents according to physical violence victimization in the last 12 months related to their demographic and other characteristics, young people in Serbia age 15-24 years (n = 1357), 2013.

Characteristics of respondents	Physical violence victims				<i>p</i> *
	Not victims N=1339		Victims N=18		
	n	%	n	%	
Individual level					
Sex					
Female	634	47.3	2	11.1	<0.001
Male	705	52.7	16	88.9	
Age					
15-19	792	59.1	14	77.8	0.110
20-24	547	40.9	4	22.2	
Employment status					
Unemployed	1174	87.7	16	88.9	0.876
Employed	165	12.3	2	11.1	
Wealth index					
1 st (the lowest)	237	17.7	0	0.0	0.019
2 nd	267	19.9	4	22.2	
3 rd	264	19.7	3	16.7	
4 th	297	22.2	2	11.1	
5 th (the highest)	274	20.5	9	50.0	
Education level					
Primary or lower	517	38.6	7	38.9	0.981
Secondary	760	56.8	10	55.6	
Tertiary	62	4.6	1	5.6	
Psychological violence perpetrator					
No	1275	96.7	14	82.4	0.001
Yes	43	3.3	3	17.6	
Physical violence perpetrator					
No	1267	95.8	10	55.6	<0.001
Yes	56	4.2	8	44.4	
Own health self-perception					
Very good	877	65.5	9	50.0	0.010
Good	408	30.5	8	44.4	
Average	48	3.6	0	0.0	
Bad	5	0.4	1	5.6	
Very bad	1	0.1	0	0.0	
Chronic disease					
Yes	93	6.9	1	5.6	0.818
No	1246	93.1	17	94.4	
Tobacco smoking					
Yes	396	100	6	100	0.421
No	312	78.8	6	100.0	
Binge drinking**					
Yes	84	21.2	0	0.0	0.175
No	681	100	16	100	
Same-sex intercourse					
Yes	418	61.4	13	81.3	0.365
No	263	38.6	3	18.8	
Close-relationship level					
Marital status					
Single	1207	90.1	16	88.9	0.859
Married	132	9.9	2	11.1	

Number of close friends (to turn to in case of a serious personal problem)					0.012
None	6	0.4	1	5.6	
1 or 2	308	23.0	2	11.1	
3-5	724	54.1	12	66.7	
6 or more	301	22.5	3	16.7	
Number of household members		4.45±1.620		3.89±1.023	0.145#
arithmetic mean ± standard deviation		(4.36-4.53)		(3.38-4.40)	
(range of arithmetic mean) minimum- maximum		(1-15)		(2-6)	
Community level					
Type of settlement					0.053
Other settlements	603	45.0	4	22.2	
Urban settlement	736	55.0	14	77.8	
Region					0.657
Vojvodina	314	23.5	5	27.8	
Belgrade	287	21.4	5	27.8	
Sumadija and Western Serbia	404	30.2	3	16.7	
Southern and Eastern Serbia	334	24.9	5	27.8	
Societal level					
Neighbors' interest in their life, in what is happening to them					0.819
Very interested	828	61.8	13	72.2	
Interested	426	31.8	5	27.8	
Indifferent	59	4.4	0	0.0	
Little interested	22	1.6	0	0.0	
Not interested	4	0.3	0	0.0	
Getting the necessary help from neighbor is					0.087
Very easy	246	18.4	2	11.1	
Easy	514	38.4	3	16.7	
Possible	427	31.9	9	50.0	
Difficult	123	9.2	4	22.2	
Very difficult	29	2.2	0	0.0	
Tracking health information by media					
TV (yes/occasionally)	771	57.9	10	58.8	0.926
No	561	42.1	7	41.2	
Internet (yes/occasionally)	746	56.0	12	70.6	0.274
No	586	44.0	5	29.4	
Newspapers (yes/occasionally)	495	37.2	7	41.2	0.680
No	836	62.8	10	58.8	
Radio (yes/occasionally)	263	19.7	2	11.8	0.705
No	1069	80.3	15	88.2	

*Pearson Chi Square test ** Consuming six or more alcoholic beverages in a row. # one-way ANOVA F = 2,121; df=1.

Table S5. Distribution of respondents according to domestic violence victimization in the last 12 months related to their demographic and other characteristics, young people in Serbia age 15-24 years (n = 1567), 2013.

Characteristics of respondents	Domestic violence victims				<i>p</i> *
	Not victims N=1523		Victims N=44		
	n	%	n	%	
Individual level					
Sex					0.827
Female	736	48.3	22	50.0	
Male	787	51.7	22	50.0	
Age					0.442
15-19	902	59.2	23	52.3	
20-24	621	40.8	21	47.7	
Employment status					0.816
Unemployed	1332	87.5	39	88.6	
Employed	191	12.5	5	11.4	
Wealth index					0.287
1 st (the lowest)	265	17.4	13	29.5	
2 nd	307	20.2	7	15.9	
3 rd	303	19.9	6	13.6	
4 th	322	21.1	8	18.2	
5 th (the highest)	326	21.4	10	22.7	
Education level					0.452
Primary or lower	586	38.5	20	45.5	
Secondary	866	56.9	21	47.7	
Tertiary	71	4.7	3	6.8	
Psychological violence perpetrators					<0.001
No	1416	94.8	27	65.9	
Yes	78	5.2	14	34.1	
Physical violence perpetrators					<0.001
No	1396	94.0	29	70.7	
Yes	89	6.0	12	29.3	
Own health self-perception					<0.001
Very good	978	64.2	21	47.7	
Good	479	31.5	15	34.1	
Average	55	3.6	5	11.4	
Bad	9	0.6	2	4.5	
Very bad	2	0.1	1	2.3	
Chronic disease					0.006
Yes	109	7.2	8	18.2	
No	1414	92.8	36	81.8	
Tobacco smoking					0.393
Yes	370	78.9	16	80.0	
No	99	21.1	4	20.0	
Binge drinking **					0.566
Yes	500	63.0	19	63.3	
No	294	37.0	11	36.7	
Same-sex intercourse					<0.001
Yes	78	5.2	14	34.1	
No	1416	94.8	27	65.9	
Close-relationship level					
Marital status					0.218
Single	1368	89.8	37	84.1	
Married	155	10.2	7	15.9	

Number of close friends (to turn to in case of a serious personal problem)					<0.001
None	9	0.6	2	4.5	
1 or 2	358	23.5	18	40.9	
3-5	825	54.2	13	29.5	
6 or more	331	21.7	11	25.0	
Number of household members		4.41±1.601		4.11±1.498	0.203#
arithmetic mean ± standard deviation		(4.33-4.49)		(3.66-4.57)	
(range of arithmetic mean) minimum- maximum		(1-15)		(1-8)	
Community level					
Type of settlement					0.096
Other settlements	677	44.5	14	31.8	
Urban settlement	846	55.5	30	68.2	
Region					0.683
Vojvodina	356	23.4	11	25.0	
Belgrade	327	21.5	9	20.5	
Sumadija and Western Serbia	454	29.8	10	22.7	
Southern and Eastern Serbia	386	25.3	14	31.8	
Societal level					
Neighbors' interest in their life, in what is happening to them					0.004
Very interested	941	61.8	22	50.0	
Interested	485	31.8	13	29.5	
Indifferent	67	4.4	5	11.4	
Little interested	23	1.5	3	6.8	
Not interested	7	0.5	1	2.3	
Getting the necessary help from neighbor is					0.375
Very easy	268	17.6	6	13.6	
Easy	571	37.5	13	29.5	
Possible	497	32.6	16	36.4	
Difficult	150	9.8	8	18.2	
Very difficult	37	2.4	1	2.3	
Tracking health information by media					
TV (yes/occasionally)	869	57.4	28	63.6	0.429
No	645	42.6	16	36.4	
Internet (yes/occasionally)	844	55.7	26	59.1	0.403
No	670	44.3	18	40.9	
Newspapers (yes/occasionally)	554	36.6	20	45.5	0.232
No	959	63.4	24	54.5	
Radio (yes/occasionally)	293	19.4	12	27.3	0.214
No	1221	80.6	32	72.7	

*Pearson Chi Square test ** Consuming six or more alcoholic beverages in a row. # one-way ANOVA F=1.467 df=1.

Table S6. Distribution of respondents according to violence victimization at school/workplace in the last 12 months related to their demographic and other characteristics, young people in Serbia age 15-24 years (n = 1519), 2013.

Characteristics of respondents	Violence victims at school/workplace				<i>p</i> *
	No N=1413		Yes N=106		
	n	%	n	%	
Individual level					
Sex					0.134
Female	733	51.9	59	55.7	
Male	680	48.1	47	44.3	
Age					0.003
15-19	834	59.0	78	73.6	
20-24	579	41.0	28	26.4	
Employment status					0.455
Unemployed	1239	87.7	94	88.7	
Employed	174	12.3	12	11.3	
Wealth index					0.302
1 st (the lowest)	252	17.8	14	13.2	
2 nd	276	19.5	25	23.6	
3 rd	275	19.5	22	20.8	
4 th	309	21.9	17	16.0	
5 th (the highest)	301	21.3	28	26.4	
Education level					0.006
Primary or lower	539	38.5	57	53.8	
Secondary	809	56.9	45	42.5	
Tertiary	65	4.7	4	3.8	
Psychological violence perpetrators					<0.001
No	1331	94.8	63	63.6	
Yes	59	5.2	36	36.4	
Physical violence perpetrators					<0.001
No	1325	94.0	70	68.6	
Yes	72	6.0	32	31.4	
Own health self-perception					<0.001
Very good	917	64.2	52	49.1	
Good	430	31.5	49	46.2	
Average	57	3.6	2	1.9	
Bad	7	0.6	3	2.8	
Very bad	2	0.1	0	0.0	
Chronic disease					0.054
Yes	101	7.1	13	12.3	
No	1312	92.9	93	87.7	
Tobacco smoking					0.677
Yes	342	100	40	100	
No	251	73.4	31	77.5	
Yes	91	26.6	9	22.5	
Binge drinking**					0.545
Yes	739	100	74	100	
No	463	62.7	49	66.2	
Yes	276	37.3	25	33.8	
Same-sex intercourse					0.698
Yes	24	3.3	2	4.3	
No	706	96.7	44	95.7	
Close-relationship level					
Marital status					0.276

Single	1274	90.2	99	93.4	
Married	139	9.8	7	6.6	
Number of close friends (to turn to in case of a serious personal problem)					0.223
None	10	0.7	0	0.0	
1 or 2	329	23.3	33	31.1	
3-5	761	53.9	49	46.2	
6 or more	313	22.2	24	22.6	
Number of household members		4.42±1.611		4.18±1.517	0.112#
arithmetic mean ± standard deviation		(4.34-4.51)		(3.89-4.47)	
(range of arithmetic mean) minimum-maximum		(1-15)		(1-9)	
Community level					
Type of settlement					0.586
Other settlements	788	55.8	62	58.5	
Urban settlement	625	44.2	44	41.5	
Region					0.561
Vojvodina	329	23.3	26	24.5	
Belgrade	309	21.9	17	16.0	
Sumadija and Western Serbia	417	29.5	33	31.1	
Southern and Eastern Serbia	358	25.3	30	28.3	
Societal level					
Neighbors' interest in their life, in what is happening to them					0.946
Very interested	866	61.3	65	61.3	
Interested	454	32.1	35	33.0	
Indifferent	64	4.5	4	3.8	
Little interested	22	1.6	2	1.9	
Not interested	7	0.5	0	0.0	
Getting necessary help from neighbor is					0.698
Very easy	252	17.8	19	17.9	
Easy	535	37.9	35	33.0	
Possible	457	32.3	38	35.8	
Difficult	139	9.8	10	9.4	
Very difficult	30	2.1	4	3.8	
Tracking health information by media					
TV (yes/occasionally)	816	58.1	53	50.5	0.311
No	589	41.9	52	49.5	
Internet (yes/occasionally)	791	56.3	58	55.2	0.978
No	614	43.7	47	44.8	
Newspapers (yes/occasionally)	529	37.7	34	32.4	0.547
No	875	62.3	71	67.6	
Radio (yes/occasionally)	282	20.1	14	13.3	0.213
No	1123	79.9	91	86.7	

*Pearson Chi Square test, ** Consuming six or more alcoholic beverages in a row. # one-way ANOVA F=2,307; df=1.

Table S7. Distribution of respondents according to violence victimization on the street in the last 12 months related to their demographic and other characteristics, young people in Serbia age 15-24 years (n = 1519), 2013.

Characteristics of respondents	Violence victims on the street				p*
	No N=1427		Yes N=112		
	n	%	n	%	
Individual level					
Sex					<0.001
Female	673	47.2	33	29.5	
Male	754	52.8	79	70.5	
Age					0.718
15-19	853	59.8	65	58.0	
20-24	574	40.2	47	42.0	
Employment status					0.941
Unemployed	1252	87.7	98	87.5	
Employed	175	12.3	14	12.5	
Wealth index					0.005
1 st (the lowest)	249	17.4	17	15.2	
2 nd	287	20.1	19	17.0	
3 rd	283	19.8	20	17.9	
4 th	313	21.9	16	14.3	
5 th (the highest)	295	20.7	40	35.7	
Education level					0.459
Primary or lower	556	39.0	37	33.0	
Secondary	805	56.4	69	61.6	
Tertiary	66	4.6	6	5.4	
Psychological violence perpetrators					<0.001
No	1343	95.8	61	58.7	
Yes	59	4.2	43	41.3	
Physical violence perpetrators					<0.001
No	1337	95.0	66	65.3	
Yes	71	5.0	35	34.7	
Own health self-perception					<0.001
Very good	919	64.4	65	58.0	
Good	447	31.3	34	30.4	
Average	53	3.7	8	7.1	
Bad	7	0.5	4	3.6	
Very bad	1	0.1	1	0.9	
Chronic disease					0.342
Yes	105	7.4	11	9.8	
No	1322	92.6	101	90.2	
Tobacco smoking	426	100	59	100	0.166
Yes	333	78.2	52	88.1	
No	93	21.8	7	11.9	
Binge drinking **	738	100	89	100	0.004
Yes	456	61.8	69	77.5	
No	282	38.2	20	22.5	
Same-sex intercourse	720	100	81	100	0.166
Yes	23	3.2	5	6.2	
No	697	96.8	76	93.8	
Close-relationship level					
Marital status					0.701
Single	1290	90.4	100	89.3	
Married	137	9.6	12	10.7	

Number of close friends (to turn to in case of a serious personal problem)					0.015
None	7	0.5	3	2.7	
1 or 2	334	23.4	33	29.5	
3-5	767	53.7	56	50.0	
6 or more	319	22.4	20	17.9	
Number of household members		4.43±1.613		4.09±1.430	0.128#
arithmetic mean ± standard deviation		(4.35-4.51)		(3.82-4.36)	
(range of arithmetic mean) minimum- maximum		(1-15)		(1-8)	
Community level					
Type of settlement					<0.001
Other settlements	642	45.0	30	26.8	
Urban settlement	785	55.0	82	73.2	
Region					0.374
Vojvodina	334	23.4	25	22.3	
Belgrade	304	21.3	29	25.9	
Sumadija and Western Serbia	428	30.0	26	23.2	
Southern and Eastern Serbia	361	25.3	32	28.6	
Societal level					
Neighbors' interest in their life, in what is happening to them					<0.001
Very interested	888	62.2	54	48.2	
Interested	449	31.5	48	42.9	
Indifferent	64	4.5	4	3.6	
Little interested	22	1.5	3	2.7	
Not interested	4	0.3	3	2.7	
Getting necessary help from neighbor is					<0.001
Very easy	258	18.1	14	12.5	
Easy	544	38.1	34	30.4	
Possible	464	32.5	36	32.1	
Difficult	131	9.2	21	18.8	
Very difficult	30	2.1	7	6.3	
Tracking health information by media					
TV (yes/occasionally)	818	57.6	66	59.5	0.832
No	602	42.4	45	40.5	
Internet (yes/occasionally)	279	19.6	24	21.6	0.712
No	1141	80.4	87	78.4	
Newspapers (yes/occasionally)	528	37.2	40	36.0	0.824
No	891	62.8	71	64.0	
Radio (yes/occasionally)	797	56.1	66	59.5	0.214
No	623	43.9	45	40.5	

*Pearson Chi Square test , ** Consuming six or more alcoholic beverages in a row. # one-way ANOVA F=4,714; df=1.

Table S8. Distribution of respondents according to violence perpetration in the last 12 months in relation to their demographic and other characteristics, young people in Serbia age 15-24 years (n = 1574), 2013.

Characteristics of respondents	Violence perpetrators				p*
	No (N=1397)		Yes (N=177)		
	n	%	n	%	
Individual level					
Sex					<0.001
Female	752	53.8	55	31.1	
Male	645	46.2	122	68.9	
Age					0.289
15-19	826	59.1	112	63.3	
20-24	571	40.9	65	36.7	
Employment status					0.061
Unemployed	1218	87.2	163	92.1	
Employed	179	12.8	14	7.9	
Wealth index					0.080
1 st (the lowest)	251	18.0	29	16.4	
2 nd	285	20.4	32	18.1	
3 rd	277	19.8	29	16.4	
4 th	297	21.3	34	19.2	
5 th (the highest)	287	20.5	53	29.9	
Education level					0.720
Primary or lower	540	38.7	74	41.8	
Secondary	791	56.6	95	53.7	
Tertiary	66	4.7	8	4.5	
Own health self-perception					<0.001
Very good	901	64.5	91	51.4	
Good	436	31.2	70	39.5	
Average	51	3.7	11	6.2	
Bad	8	0.6	3	1.7	
Very bad	1	0.1	2	1.1	
Chronic disease					0.451
Yes	104	7.4	16	9.0	
No	1293	92.6	161	91.0	
Tobacco smoking					0.359
Yes	329	79.1	67	82.7	
No	87	20.9	14	17.3	
Binge drinking **					<0.001
Yes	429	60.5	107	79.9	
No	280	39.5	27	20.1	
Same-sex intercourse					0.001
Yes	18	2.6	10	9.0	
No	686	97.4	101	91.0	
Close-relationship level					
Marital status					0.006
Single	1251	89.5	170	96.0	
Married	146	10.5	7	4.0	
Number of close friends (to turn to in case of a serious personal problem)					0.832
None	9	0.6	2	1.1	
1 or 2	337	24.1	46	26.0	
3-5	743	53.2	91	51.4	
6 or more	308	22.0	38	21.5	

Number of household members					
arithmetic mean \pm standard deviation	4.42 \pm 1.610		4.18 \pm 1.553		
(range of arithmetic mean) minimum-maximum	(4.34-4.51) (1-15)		(3.95-4.41) (1-12)		0.042#
Community level					
Type of settlement					0.115
Other settlements	624	44.7	68	38.4	
Urban settlement	773	55.3	109	61.6	
Region					
					0.553
Vojvodina	330	23.6	36	20.3	
Belgrade	299	21.4	42	23.7	
Sumadija and Western Srrbia	412	29.5	48	27.1	
Southern and Eastern Serbia	356	25.5	51	28.8	
Societal level					
Neighbors' interest in their life, in what is happening to them					0.761
Very interested	857	61.3	107	60.5	
Interested	444	31.8	60	33.9	
Indifferent	66	4.7	5	2.8	
Little interested	25	1.8	4	2.3	
Not interested	5	0.4	1	0.6	
Getting the necessary help from neighbor is					
					0.142
Very easy	251	18.0	29	17.9	
Easy	522	37.4	64	33.0	
Possible	459	32.9	52	35.8	
Difficult	135	9.7	24	9.4	
Very difficult	30	2.1	8	3.8	
Tracking health information by media					
<i>TV (Yes/occasionally)</i>	819	59.0	88	50.5	0.068
No	569	41.0	87	49.5	
<i>Internet (Yes/occasionally)</i>	772	55.6	102	55.2	0.773
No	617	44.4	73	44.8	
<i>Newspapers (Yes/occasionally)</i>	525	37.8	55	32.4	0.205
No	863	62.2	120	67.6	
<i>Radio (Yes/occasionally)</i>	278	20.0	30	13.3	0.464
No	1111	80.0	145	86.7	

*Pearson Chi Square test , ** Consuming six or more alcoholic beverages in a row. # one-way ANOVA F=3,565; df=1.

Table S9. Distribution of respondents according to only psychological violence perpetration in the last 12 months according to their demographic and other characteristics, young people in Serbia age 15-24 years (n = 1586), 2013.

Characteristics of respondents	Psychological violence perpetrators				p*
	No (N=1475)		Yes (N=111)		
	n	%	n	%	
Individual level					
Sex					0.005
Female	777	52.7	43	38.7	
Male	698	47.3	68	61.3	
Age					0.224
15-19	870	59.0	72	64.9	
20-24	605	41.0	39	35.1	
Employment status					0.087
Unemployed	1287	87.3	103	92.8	
Employed	188	12.7	8	7.2	
Wealth index					0.038
1 st (the lowest)	259	17.6	18	16.2	
2 nd	302	20.5	19	17.1	
3 rd	296	20.1	16	14.4	
4 th	312	21.2	21	18.9	
5 th (the highest)	306	20.7	37	33.3	
Education level					0.137
Primary or lower	564	38.2	53	47.7	
Secondary	840	56.9	53	47.7	
Tertiary	71	4.8	5	4.5	
Physical violence perpetrator					<0.001
No	1397	96.3	52	53.1	
Yes	53	3.7	46	46.9	
Own health self-perception					<0.001
Very good	947	64.2	56	50.5	
Good	466	31.6	42	37.8	
Average	53	3.6	8	7.2	
Bad	8	0.5	3	2.7	
Very bad	1	0.1	2	1.8	
Chronic disease					0.037
Yes	106	7.2	14	12.6	
No	1369	92.8	97	87.4	
Tobacco smoking					0.141
Yes	454	100	50	100	
No	358	78.9	44	88.0	
	96	21.1	6	12.0	
Binge drinking **					0.025
Yes	760	100	83	100	
No	473	62.2	62	74.7	
	287	37.8	21	25.3	
Same-sex intercourse					0.020
Yes	761	100	61	100	
No	21	2.8	5	8.2	
	740	97.2	56	91.8	
Close-relationship level					
Marital status					0.046
Single	1322	89.6	106	95.5	
Married	153	10.4	5	4.5	
Number of close friends (to turn to in case of a serious personal problem)					0.985
None	10	0.7	1	0.9	

1 or 2	360	24.4	27	24.3	
3-5	783	53.1	60	54.1	
6 or more	322	21.8	23	20.7	
Number of household members		4.44±1.629		3.86±1.022	<0.001#
arithmetic mean ± standard deviation		(4.36-4.52)		(3.67-4.06)	
(range of arithmetic mean) minimum- maximum		(1-15)		(1-7)	
Community level					
Type of settlement					0.097
Other settlements	651	44.1	40	36.0	
Urban settlement	824	55.9	71	64.0	
Region					0.927
Vojvodina	344	23.3	25	22.5	
Belgrade	319	21.6	26	23.4	
Sumadija and Western Serbia	434	29.4	30	27.0	
Southern and Eastern Serbia	378	25.6	30	27.0	
Societal level					
Neighbors' interest in their life, in what is happening to them					0.892
Very interested	902	61.2	66	59.5	
Interested	473	32.1	39	35.1	
Indifferent	68	4.6	4	3.6	
Little interested	25	1.7	2	1.8	
Not interested	7	0.5	0	0.0	
Getting the necessary help from neighbor is					0.184
Very easy	261	17.7	19	17.1	
Easy	548	37.2	37	33.3	
Possible	486	32.9	33	29.7	
Difficult	144	9.8	19	17.1	
Very difficult	36	2.4	3	2.7	
Tracking health information by media					
TV (yes/occasionally)	853	58.2	60	54.5	0.733
No	612	41.8	50	45.5	
Internet (yes/occasionally)	812	55.4	65	59.1	0.408
No	654	44.6	45	40.9	
Newspapers (yes/occasionally)	544	37.1	39	35.5	0.914
No	921	62.9	71	64.5	
Radio (yes/occasionally)	287	19.6	14	14.0	0.631
No	1179	80.4	86	86.0	

*Pearson Chi Square test, ** Consuming six or more alcoholic beverages in a row. # one-way ANOVA F=13.471; df=1.

Table S10. Respondents characteristic according to physical violence perpetration in the last 12 months, young people in Serbia age 15-24 years (n = 1571), 2013.

Characteristics of respondents	Physically violent behavior				p*
	No (N=1459)		Yes (N=112)		
	n	%	n	%	
Individual level					
Sex					<0.001
Female	781	53.5	21	18.8	
Male	678	46.5	91	81.3	
Age					0.811
15-19	869	59.6	69	61.1	
20-24	590	40.4	44	38.9	
Employment status					0.399
Unemployed	1276	87.5	101	90.2	
Employed	183	12.5	11	9.8	
Wealth index					0.134
1 st (the lowest)	261	17.9	18	15.9	
2 nd	297	20.4	19	16.8	
3 rd	284	19.5	22	19.5	
4 th	311	21.3	19	16.8	
5 th (the highest)	306	21.0	35	31.0	
Education level					0.757
Primary or lower	571	39.1	40	35.7	
Secondary	820	56.2	66	58.9	
Tertiary	68	4.7	6	5.4	
Psychological violence perpetrator					<0.001
No	1397	96.4	53	53.5	
Yes	52	3.6	46	46.5	
Own health self-perception					0.118
Very good	933	63.9	63	56.3	
Good	458	31.4	42	37.5	
Average	57	3.9	4	3.6	
Bad	9	0.6	2	1.8	
Very bad	2	0.1	1	0.9	
Chronic disease					0.878
Yes	110	7.5	8	7.1	
No	1349	92.5	104	92.9	
Tobacco smoking					0.928
Yes	440	100	55	100	
No	349	79.3	43	78.2	
No	91	20.7	12	21.8	
Binge drinking **					<0.001
Yes	750	100	91	100	
Yes	460	61.3	75	82.4	
No	290	38.7	16	17.6	
Same-sex intercourse					0.117
Yes	733	100	79	100	
Yes	22	3.0	5	6.3	
No	711	97.0	74	93.7	
Close-relationship level					
Marital status					0.023
Single	1311	89.9	108	96.4	
Married	148	10.1	4	3.6	
Number of close friends (to turn to in case of a serious personal problem)					0.551
None	9	0.6	2	1.8	
1 or 2	354	24.3	28	25.0	
3-5	774	53.1	58	51.8	

6 or more	322	22.1	24	21.4	
Number of household members		4.39±1.596		4.43±1.707	0.820#
arithmetic mean ± standard deviation		(4.31-4.47)		(4.11-4.75)	
(range of arithmetic mean) minimum- maximum		(1-15)		(1-12)	
Community level					
Type of settlement					0.416
Other settlements	644	44.1	45	40.2	
Urban settlement	815	55.9	67	59.8	
Region					
					0.262
Vojvodina	347	23.8	20	17.9	
Belgrade	312	21.4	28	25.0	
Sumadija and Western Serbia	429	29.4	29	25.9	
Southern and Eastern Serbia	371	25.4	35	31.3	
Societal level					
Neighbors' interest in their life, in what is happening to them					0.671
Very interested	887	60.8	73	65.2	
Interested	474	32.5	33	29.5	
Indifferent	68	4.7	3	2.7	
Little interested	25	1.7	2	1.8	
Not interested	5	0.3	1	0.9	
Getting necessary help from neighbor is					
					0.007
Very easy	259	17.8	20	17.9	
Easy	544	37.3	40	35.7	
Possible	483	33.1	29	25.9	
Difficult	143	9.8	15	13.4	
Very difficult	30	2.1	8	7.1	
Tracking health information by media					
TV (yes/occasionally)	843	58.6	55	49.5	0.103
No	596	41.4	56	50.5	
Internet (yes/occasionally)	808	55.7	67	60.4	0.261
No	642	44.3	44	39.6	
Newspapers (yes/occasionally)	549	37.9	21	20.8	0.063
No	900	62.1	80	79.2	
Radio (yes/occasionally)	289	19.9	18	16.2	0.255
No	1161	80.1	93	83.8	

*Pearson Chi Square test, ** Consuming six or more alcoholic beverages in a row. # one-way ANOVA F=0,052; df=1.

Table S11. Violence victimization according to the source of help they have requested from in the last 12 months, young people in Serbia age 15–24 years(n = 1571), 2013.

Requested help from n (%)	Type and place of violence victimization					
	Physical & psychological n=207(100%)	Only psychological n=94(100%)	Only physical n=18(100%)	At home n=44(100%)	At school / workplace n=106(100%)	On street n=112(100%)
Family, friends	72 (41%)	31 (36%)	6 (35%)	16 (41%)	41 (44%)	41 (45%)
Police	25 (15%)	3 (4%)	2 (12%)	8 (26%)	10 (11%)	15 (16%)
Teacher, professor	25 (15%)	9 (11%)	1 (6%)	7 (19%)	20 (21%)	10 (11%)
Social worker	10 (6%)	3 (3%)	0	6 (15%)	5 (6%)	5 (5%)
Medical worker	8 (5%)	2 (2%)	0	5 (13%)	5 (6%)	4 (4%)
SOS service	6 (4%)	2 (2%)	0	2 (6%)	4 (4%)	4 (4%)
<i>Response Rates</i>	(80-84%)	(90-91%)	(94%)	(71-87%)	(85-90%)	(80-84%)

Table S12. Distribution of violence perpetrators in the last 12 months, per type of violence, young people in Serbia age 15-24 years (n = 1571), 2013.

Type of violence perpetration	N (%)
Psychological (n= 1586)	111 (7.0%)
<i>Response rate</i>	92.1%
Physical (n= 1571)	112 (7.1%)
<i>Response rate</i>	91.8%
Psychological and physical (n= 1574)	177 (10.3)
<i>Response rate</i>	91.4%