

## ONLINE APPENDIX

## Appendix A. Correlation matrix for the study variables

	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
1 Sex <sup>a</sup>																
2 Place of birth <sup>a</sup>	.01															
3 Family adversity	.02	<b>.09</b>														
4 Abstract reasoning (Raven's Matrices)	<b>-.04</b>	<b>-.07</b>	<b>-.17</b>													
5 Grade retention in elementary school <sup>a</sup>	<b>.07</b>	<b>.15</b>	<b>.19</b>	<b>-.26</b>												
6 Communication with parents (Age 12)	<b>.07</b>	<b>-.05</b>	<b>-.08</b>	-.01	.02											
7 Parental supervision (Age 12)	<b>-.15</b>	-.01	<b>-.10</b>	<b>.15</b>	<b>-.10</b>	<b>.19</b>										
8 Conflict with parents (Age 12)	<b>-.15</b>	-.01	<b>.09</b>	<b>-.07</b>	-.02	<b>-.40</b>	<b>-.13</b>									
9 Peer deviancy (Age 12)	<b>.08</b>	-.01	<b>.08</b>	<b>-.13</b>	<b>.07</b>	<b>-.18</b>	<b>-.31</b>	<b>.24</b>								
10 Peer academic disengagement (Age 12)	<b>.13</b>	.03	<b>.16</b>	<b>-.18</b>	<b>.24</b>	<b>-.09</b>	<b>-.28</b>	<b>.12</b>	<b>.42</b>							
11 School achievement (Age 12)	<b>-.07</b>	.01	<b>-.27</b>	<b>.46</b>	<b>-.23</b>	<b>.08</b>	<b>.21</b>	<b>-.19</b>	<b>-.17</b>	<b>-.27</b>						
12 School engagement (Age 12)	<b>-.13</b>	<b>.06</b>	<b>-.11</b>	<b>.09</b>	-.03	<b>.33</b>	<b>.30</b>	<b>-.31</b>	<b>-.33</b>	<b>-.22</b>	<b>.21</b>					
13 Drug use (Age 12)	<b>.04</b>	.00	<b>.12</b>	<b>-.11</b>	<b>.07</b>	<b>-.17</b>	<b>-.27</b>	<b>.22</b>	<b>.50</b>	<b>.36</b>	<b>-.14</b>	<b>-.32</b>				
14 Delinquency (Age 12)	<b>.19</b>	.00	<b>.12</b>	<b>-.14</b>	<b>.10</b>	<b>-.20</b>	<b>-.29</b>	<b>.17</b>	<b>.45</b>	<b>.42</b>	<b>-.16</b>	<b>-.36</b>	<b>.65</b>			
15 Social anxiety (Age 12)	<b>-.28</b>	.02	<b>.05</b>	-.04	-.01	<b>-.13</b>	<b>.11</b>	<b>.23</b>	.00	-.01	<b>-.13</b>	<b>.05</b>	.03	.01		
16 Depressive symptoms (Age 12)	<b>-.14</b>	.01	<b>.14</b>	<b>-.12</b>	.03	<b>-.35</b>	<b>-.15</b>	<b>.38</b>	<b>.24</b>	<b>.19</b>	<b>-.18</b>	<b>-.23</b>	<b>.33</b>	<b>.34</b>	<b>.40</b>	
17 Victimization (Age 13)	<b>.13</b>	.03	<b>.06</b>	<b>-.12</b>	<b>.08</b>	<b>-.12</b>	<b>-.13</b>	<b>.16</b>	<b>.18</b>	<b>.14</b>	<b>-.10</b>	<b>-.13</b>	<b>.17</b>	<b>.23</b>	<b>.12</b>	<b>.28</b>
18 Witnessing total violence (Age 13)	<b>.09</b>	<b>.03</b>	<b>.08</b>	<b>-.08</b>	<b>.05</b>	<b>-.08</b>	<b>-.13</b>	<b>.16</b>	<b>.22</b>	<b>.12</b>	<b>-.06</b>	<b>-.19</b>	<b>.16</b>	<b>.20</b>	<b>.06</b>	<b>.21</b>
19 Witnessing covert violence (Age 13)	<b>.06</b>	<b>.03</b>	<b>.04</b>	<b>-.06</b>	<b>.04</b>	<b>-.05</b>	<b>-.09</b>	<b>.08</b>	<b>.16</b>	<b>.06</b>	-.03	<b>-.12</b>	<b>.09</b>	<b>.14</b>	<b>.04</b>	<b>.13</b>
20 Witnessing minor violence (Age 13)	.00	.01	<b>.07</b>	.01	-.01	<b>-.08</b>	<b>-.05</b>	<b>.20</b>	<b>.14</b>	<b>.04</b>	.00	<b>-.16</b>	<b>.11</b>	<b>.10</b>	<b>.11</b>	<b>.22</b>
21 Witnessing major violence (Age 13)	<b>.16</b>	<b>.05</b>	<b>.08</b>	<b>-.14</b>	<b>.11</b>	<b>-.07</b>	<b>-.18</b>	<b>.10</b>	<b>.24</b>	<b>.19</b>	<b>-.12</b>	<b>-.19</b>	<b>.19</b>	<b>.27</b>	-.01	<b>.15</b>
22 School achievement (Age 15)	<b>-.13</b>	.02	<b>-.18</b>	<b>.31</b>	<b>-.18</b>	.02	<b>.17</b>	<b>-.10</b>	<b>-.13</b>	<b>-.18</b>	<b>.54</b>	<b>.15</b>	<b>-.09</b>	<b>-.11</b>	-.03	<b>-.07</b>
23 School engagement (Age 15)	<b>-.20</b>	<b>.06</b>	<b>-.07</b>	<b>.07</b>	.02	<b>.17</b>	<b>.17</b>	<b>-.20</b>	<b>-.18</b>	<b>-.09</b>	<b>.15</b>	<b>.43</b>	<b>-.13</b>	<b>-.14</b>	<b>.06</b>	<b>-.07</b>
24 Drug use (Age 15)	<b>.09</b>	<b>-.06</b>	<b>.05</b>	<b>-.08</b>	-.02	<b>-.05</b>	<b>-.20</b>	<b>.16</b>	<b>.29</b>	<b>.11</b>	<b>-.13</b>	<b>-.18</b>	<b>.30</b>	<b>.20</b>	.00	<b>.14</b>
25 Delinquency (Age 15)	<b>.27</b>	.01	<b>.04</b>	<b>-.12</b>	<b>.07</b>	-.04	<b>-.15</b>	<b>.07</b>	<b>.18</b>	<b>.13</b>	<b>-.14</b>	<b>-.14</b>	<b>.20</b>	<b>.26</b>	<b>-.07</b>	<b>.09</b>
26 Social anxiety (Age 15)	<b>-.30</b>	.01	-.02	.04	-.03	-.03	<b>.10</b>	<b>.09</b>	<b>-.06</b>	<b>-.07</b>	<b>.07</b>	<b>.10</b>	-.04	<b>-.08</b>	<b>.42</b>	<b>.13</b>
27 Depressive symptoms (Age 15)	<b>-.11</b>	.01	<b>.07</b>	<b>-.06</b>	-.01	<b>-.12</b>	<b>-.05</b>	<b>.14</b>	<b>.11</b>	<b>.06</b>	<b>-.06</b>	<b>-.08</b>	<b>.10</b>	<b>.10</b>	<b>.19</b>	<b>.27</b>

Significant correlations ( $p < .05$ ) in bold. Males, children born outside of Canada, who experienced grade retention, or dropped out were coded as 1.

**Appendix B.** Association between witnessing violence, victimization, and potential confounders in Grades 7-8 and subsequent missing values on outcome variables in Grade 10.

	Missing value on any outcome in Grade 10 (=1); OR (95% CI)
Sex <sup>a</sup>	1.57 (1.37, 1.80)***
Place of birth <sup>a</sup>	1.00 (1.00, 1.01) <sup>n.s.</sup>
Family adversity	1.00 (.99, 1.00)***
Abstract reasoning (Raven's Matrices)	1.00 (1.00, 1.00)***
Grade retention in elementary school <sup>a</sup>	1.00 (.99, 1.00) <sup>n.s.</sup>
Communication with parents (Grade 7)	.99 (.99, .99)***
Parental supervision (Grade 7)	.99 (.99, .99)***
Conflict with parents (Grade 7)	.99 (.99, .99)***
Peer deviancy (Grade 7)	.99 (.99, .99)***
Peer academic disengagement (Grade 7)	.99 (.99, .99)***
School achievement (Grade 7)	1.00 (1.00, 1.00)***
School engagement (Grade 7)	.99 (.99, .99)***
Drug use (Grade 7)	.99 (.99, .99)***
Delinquency (Grade 7)	.99 (.99, 1.00)***
Social anxiety (Grade 7)	.99 (.99, .99)***
Depressive symptoms (Grade 7)	.99 (.99, 1.00)***
Victimization (Grade 8)	1.00 (.99, 1.00)*
Witnessing total violence (Grade 8)	1.29 (1.18, 1.42)***
Witnessing covert violence (Grade 8)	1.15 (1.07, 1.24)***
Witnessing minor violence (Grade 8)	1.06 (1.00, 1.14) <sup>†</sup>
Witnessing major violence (Grade 8)	1.45 (1.33, 1.58)***

\*\*\*  $p < .001$ , \*\*  $p < .01$ , \*  $p < .05$ , <sup>†</sup>  $p < .10$ .

<sup>a</sup> Males, students born out of Canada, grade retained and dropouts were coded as 1.