

Supplementary Table S1. Prevalence of Potentially Psychologically Traumatic Events (PPTs) Exposure Types- Expanded Table

Type of Exposure	Total Sample	CCG	C&P	PSP [4]	Comparing Prevalence among Total Sample and PSP	General Population [7]	Comparing Prevalence among Total Sample and General Population [7]	General Population [6]	Comparing Prevalence among Total Sample and General Population [6]
	% (n)	% (n)	% (n)	% (n)	Test Statistics	%	Test Statistics	%	Test Statistics
Life threatening natural disaster (e.g., flood, hurricane, tornado, earthquake, and wildfires)									
Ever exposed ¹	65.0(268)	66.9(186)	74.8(80)	66.4 (2,832)	-0.53	15.6	27.59***	7.7	43.57***
1 to 5 times	86.1(211)	88.4(153)	80.6(58)	91.7 (2,376)					
6 to 10 times	6.5(16)	5.8(10)	8.3(6)	3.5 (90)					
11 or more times	7.3(18)	5.8(10)	11.1(8)	4.8 (125)					
Happened to me	40.7(109)	38.7(72)	46.3(37)	-					
Witnesses it	37.7(101)	33.9(63)	47.5(38)	-					
Learned about it	43.7(117)	45.2(84)	38.8(31)	-					
Part of my public safety job	31.0(83)	29.0(54)	36.3(29)	-					
Fire or explosion									
Ever exposed	68.9 (284)	73.4(204)	72.9(78)	86.0 (3,727)	-9.91***	n/a	-	n/a	-
1 to 5 times	83.4(216)	84.4(157)	80.8(59)	50.4 (1,805)					
6 to 10 times	5.0(13)	5.9(11)	^	10.1 (361)					
11 or more times	11.6(30)	9.7(18)	16.4(12)	39.6 (1,419)					
Happened to me	30.3(84)	27.9(57)	34.6(27)	-					
Witnesses it	43.3(123)	39.7(81)	53.8(42)	-					
Learned about it	40.1(114)	40.2(82)	38.5(30)	-					
Part of my public safety job	39.1(111)	43.1(88)	29.5(23)	-					
Serious transportation accident (e.g., car accident, boat accident, train wreck, plane crash)									
Ever exposed	77.4(319)	81.3(226)	85.0(91)	93.2 (4,084)	-12.62***	17.8	31.58***	14.0	37.03***
1 to 5 times	68.0(210)	65.3(143)	74.4(67)	22.7 (907)					
6 to 10 times	7.4(23)	5.9(13)	11.1(10)	6.0 (241)					

11 or more times	24.6(76)	28.8(63)	14.4(13)	71.3 (2,845)					
Happened to me	35.1(112)	30.5(69)	47.3(43)	-					
Witnesses it	44.5(142)	40.3(91)	56.0(51)	-					
Learned about it	37.3(119)	36.3(82)	38.5(35)	-					
Part of my public safety job	47.6(152)	47.8(108)	48.4(44)	-					
Serious accident at work, home, or during recreational activity				-					
Ever exposed	69.7(287)	73.4(204)	75.7(81)	81.6 (3,430)	-6.19***	7.9	46.38***	6.2	53.31***
1 to 5 times	86.6(232)	86.5(167)	86.7(65)	66.6 (2,091)					
6 to 10 times	5.2(14)	5.2(10)	^	6.5 (205)					
11 or more times	8.2(22)	8.3(16)	8.0(6)	26.9 (844)					
Happened to me	35.5(102)	34.8(71)	38.3(31)	-					
Witnesses it	49.5(142)	46.6(95)	58.0(47)	-					
Learned about it	39.0(112)	38.2(78)	39.5(32)	-					
Part of my public safety job	33.8(97)	30.4(62)	43.2(35)	-					
Exposure to toxic substance (e.g., dangerous chemicals, radiation)				-					
Ever exposed	50.0(206)	53.2(148)	52.3(56)	67.4 (2,664)	-7.48***	10.1	26.80***	4.2	46.22***
1 to 5 times	71.7(132)	68.6(94)	80.9(38)	61.3 (1,439)					
6 to 10 times	4.9(9)	5.8(8)	^	7.4 (174)					
11 or more times	23.4(43)	25.5(35)	17.0(8)	31.3 (735)					
Happened to me	43.7(90)	45.3(67)	41.1(23)	-					
Witnesses it	25.2(52)	26.4(39)	23.2(13)	-					
Learned about it	40.3(83)	33.8(50)	55.4(31)	-					
Part of my public safety job	56.8(117)	60.1(89)	50.0(28)	-					
Physical assault (e.g., being attacked, hit, slapped, kicked, beaten up)				-					
Ever exposed	69.4(286)	69.8(194)	84.1(90)	90.6 (3,931)	-14.65***	9.2	42.20***	5.9	54.61***
1 to 5 times	75.0(189)	76.0(46.8)	72.8(59)	41.8 (1,543)					
6 to 10 times	8.7(22)	7.6(13)	11.1(9)	9.5 (350)					
11 or more times	16.3(41)	16.4(28)	16.0(13)	48.7 (1,797)					
Happened to me	61.9(177)	60.8(118)	65.6(59)	-					
Witnesses it	46.2(132)	42.8(83)	54.4(49)	-					
Learned about it	40.6(116)	39.7(77)	41.1(37)	-					
Part of my public safety job	28.0(80)	17.0(33)	52.2(47)	-					

Assault with a weapon (e.g., being shot, stabbed, threatened with a knife, gun, bomb)					-					
Ever exposed	52.7(217)	48.6(135)	74.8(80)	83.9 (3,639)	-17.18***	16.0	20.24***	14.5	21.93***	
1 to 5 times	92.2(153)	94.1(95)	89.2(58)	57.6 (1,797)						
6 to 10 times	^	^	^	9.4 (294)						
11 or more times	6.0(10)	^	9.2(6)	32.9 (1,027)						
Happened to me	36.9(80)	34.8(47)	41.3(33)	-						
Witnesses it	25.8(56)	25.9(35)	26.3(21)	-						
Learned about it	55.8(121)	55.6(75)	55.0(44)	-						
Part of my public safety job	28.1(61)	18.5(25)	45.0(36)	-						
Sexual assault (e.g., rape, attempted rape, made to perform any type of sexual act through force or threat of harm)					-					
Ever exposed	52.4(216)	55.8(155)	55.1(59)	71.2 (3,035)	-8.52***	11.4	26.13***	5.8	40.39***	
1 to 5 times	91.7(143)	91.8(112)	91.2(31)	47.1 (1,089)						
6 to 10 times	^	^	^	11.0 (255)						
11 or more times	5.8(9)	4.9(6)	-	41.9 (968)						
Happened to me	35.2(76)	38.1(59)	28.8(17)	-						
Witnesses it	8.8(19)	8.4(13)	10.2(6)	-						
Learned about it	70.8(153)	70.3(109)	71.2(42)	-						
Part of my public safety job	9.7(21)	8.4(13)	13.6(8)	-						
Other unwanted or uncomfortable sexual experience					-					
Ever exposed	59.2(244)	64.7(180)	57.9(62)	67.3 (2,803)	-3.44***	21.9	18.26***	4.2	55.56***	
1 to 5 times	72.0(152)	72.5(116)	72.0(36)	55.2 (1,225)						
6 to 10 times	5.2(11)	5.0(8)	^	7.7 (171)						
11 or more times	22.7(48)	22.5(36)	22.0(11)	37.2 (825)						
Happened to me	63.9(156)	69.4(125)	48.4(30)	-						
Witnesses it	18.0(44)	17.8(32)	17.7(11)	-						
Learned about it	45.9(112)	40.6(73)	59.7(37)	-						
Part of my public safety job	12.3(30)	11.7(21)	14.5(9)	-						
Combat					-					
Ever exposed	22.6(93)	21.9(61)	28.0(30)	18.8 (791)	1.90*	4.3	18.16***	3.2	22.20***	
1 to 5 times	73.1(38)	71.4(25)	76.5(13)	78.4 (349)						
6 to 10 times	^	^	^	21.6 (96)						
11 or more times	23.1(12)	22.9(8)	-	-						

Happened to me	16.1(15)	21.3(13)	^	-					
Witnesses it	14.0(13)	11.5(7)	20.0(6)	-					
Learned about it	76.3(71)	70.5(43)	86.7(26)	-					
Part of my public safety job	17.2(16)	21.3(13)	^	-					
Captivity (e.g., being kidnapped, abducted, held hostage, prisoner of war)				-					
Ever exposed	15.5(64)	14.7(41)	19.6(21)	30.5 (1,279)	-6.55***	1.4	24.21***	1.1	27.85***
1 to 5 times	92.5(37)	96.2(25)	85.7(12)	78.9 (712)					
6 times or more	-	-	^	21.2 (191)					
11 or more times	^	^	-	-					
Happened to me	12.5(8)	14.6(6)	^	-					
Witnesses it	10.9(7)	12.2(5)	^	-					
Learned about it	82.8(73)	78.0(32)	90.5(19)	-					
Part of my public safety job	^	2.4(1)	^	-					
Life threatening illness or injury				-					
Ever exposed	66.5(274)	69.8(194)	72.9(78)	76.7 (3,301)	-4.84***	32.0	14.96***	11.8	34.34***
1 to 5 times	83.4(206)	84.4(152)	80.3(53)	54.2 (1,594)					
6 times or more	5.3(13)	4.4(8)	7.6(5)	6.3 (184)					
11 or more times	11.3(28)	11.1(20)	12.1(8)	39.6 (1,165)					
Happened to me	27.0(74)	29.4(57)	21.8(17)	-					
Witnesses it	57.3(157)	52.6(102)	67.9(53)	-					
Learned about it	44.5(122)	40.2(78)	55.1(43)	-					
Part of my public safety job	27.0(74)	28.9(56)	23.1(18)	-					
Severe human suffering				-					
Ever exposed	53.2(219)	56.5(157)	56.1(60)	79.1 (3,234)	-12.89***	3.4	55.59***	3.7	53.05***
1 to 5 times	70.8(126)	66.4(87)	82.6(38)	41.8 (1,187)					
6 times or more	7.3(13)	9.2(12)	^	6.2 (177)					
11 or more times	21.9(39)	24.4(32)	15.2(7)	51.9 (1,473)					
Happened to me	10.0(22)	12.1(19)	^	-					
Witnesses it	49.8(109)	44.6(70)	61.7(37)	-					
Learned about it	47.0(103)	43.9(69)	55.0(33)	-					
Part of my public safety job	35.6(78)	39.5(62)	26.7(16)	-					
Sudden violent death (e.g., homicide, suicide)				-					
Ever exposed	65.8(271)	69.1(192)	72.0(77)	93.8 (4,101)	-23.49***	n/a	-	n/a	-
1 to 5 times	80.9(195)	78.8(134)	85.9(61)	36.4 (1,426)					
6 times or more	6.6(16)	5.9(10)	8.5(6)	13.1 (512)					

11 or more times	12.4(30)	15.3(26)	^	50.5 (1,977)					
Happened to me	9.2(25)	10.9(21)	^	-					
Witnesses it	27.3(74)	22.4(43)	40.3(31)	-					
Learned about it	65.7(178)	63.0(121)	71.4(55)	-					
Part of my public safety job	33.2(90)	35.9(69)	27.3(21)	-					
Sudden accidental death				-					
Ever exposed	69.4(286)	73.4(204)	74.8(80)	93.7 (4,063)	-20.19***	41.1	11.63***	1.4	117.30***
1 to 5 times	78.5(194)	76.1(137)	85.1(57)	34.6 (1,321)					
6 times or more	6.9(17)	7.2(13)	^	10.7 (408)					
11 or more times	14.6(36)	16.7(30)	9.0(6)	54.8 (2,092)					
Happened to me	8.4(24)	8.8(18)	7.5(6)	-					
Witnesses it	36.4(104)	31.9(65)	48.8(39)	-					
Learned about it	56.6(162)	52.9(108)	65.0(52)	-					
Part of my public safety job	39.9(114)	43.1(88)	32.5(26)	-					
Serious injury, harm, or death you caused to someone else				-					
Ever exposed	13.8(57)	12.9(36)	19.6(21)	36.2 (1,485)	-9.40***	n/a	-	26.3	-5.69***
1 to 5 times	80.0(28)	81.0(17)	78.6(11)	64.4 (580)					
6 times or more	^	-	^	6.8 (61)					
11 or more times	17.1(6)	^	^	28.9 (260)					
Happened to me	31.6(18)	30.6(11)	33.3(7)	-					
Witnesses it	43.9(25)	47.2(17)	38.1(8)	-					
Learned about it	42.1(24)	30.6(11)	61.9(13)	-					
Part of my public safety job	31.6(18)	33.3(12)	28.6(6)	-					
Any other very stressful event or experience				-					
Ever exposed	31.1(128)	30.6(85)	39.3(42)	-	-	8.6	16.18***	40.8	-3.97***
1 to 5 times	72.1(98)	69.7(62)	78.3(36)	-					
6 times or more	8.1(11)	9.0(8)	^	-					
11 or more times	19.9(27)	21.3(19)	15.2(7)	-					
Happened to me	69.5(89)	68.2(58)	71.4(30)						
Witnesses it	28.1(36)	27.1(23)	28.6(12)						
Learned about it	19.5(25)	16.5(14)	23.8(10)						
Part of my public safety job	50.8(65)	54.1(46)	45.2(19)						
Total number of different types of potentially traumatic exposures, Mean (SD)	8.72(4.42)	9.05(3.87)	9.76(4.07)	11.08 (3.23)	t(411)=-10.85***	2.31 (2.33)	t(411)=29.41**	2.2-3.7	-

Notes: CCG= Canadian Coast Guard; C&P=Conservation and Protection; PSP=public safety personnel; SD=Standard Deviation; n/a=not available.

¹ Not all individuals who report ever being exposed reported the number of exposures. So, the number of exposures does not necessarily match ever exposed.

[^]Sample size between 1 and 5, so data not presented. * $p < .05$, ** $p < .01$, *** $p < .001$ – Statistically significantly different at these p-values.