

Fonds de recherche
sur la société
et la culture

Québec 

Rapport de recherche

PROGRAMME ACTIONS CONCERTÉES

APPENDIX 4

TABLES

Tables

TABLE 1.	Prevalence of Gambling and Gambling Activities among Undergraduate University Students	4
TABLE 2.	Number of Gambling Activities Reported by Undergraduate Students who Gambled in the Past 12 Months	5
TABLE 3.	Prevalence of Gambling and Socio-demographic Characteristics among Undergraduate University Students	6
TABLE 4.	Severity of Gambling Problems and Socio-demographic Characteristics among Past Year Gamblers	7
TABLE 5.	Self-Reported Problems due to Gambling by past year Gamblers	8
TABLE 6.	Frequency of Gambling Activities in Various Location among Past Year Gamblers	9
TABLE 7.	Gambling Activities in Various Locations among Past Year Gamblers	10
TABLE 8.	Gambling Partners by Gambling Activities among Past Year Gamblers	11
TABLE 9.	Reported Spending (\$) by Gambling Activities among Past year Gamblers	12
TABLE 10.	Reported Debt (\$) by Gambling Activities among Past year Gamblers	13
TABLE 11.	Number of Reported Activities in various Locations and Severity of Gambling Problems among Past Year Gamblers	14
TABLE 12.	Severity of Gambling Problems by Gambling Activities among Past Year Gamblers	15
TABLE 13.	Predictors of Spending on Specific Gambling Activities among Past Year Gamblers	16
TABLE 14.	Predictors of Debt on Specific Gambling Activities among Past Year Gamblers	17
TABLE 15.	Characteristics of Last Reported Gambling Occasion among Past Year Gamblers	18
TABLE 16.	Past-year and Past 30 Days Alcohol Use by Socio-demographic Indicators among Undergraduate University Students	19
TABLE 17.	Drinkers Typology Over the Past 30 Days by Socio-Demographic Indicators among Undergraduate University Students	20
TABLE 18.	Prevalence of AUDIT +8 and AUDIT +11 by Socio-Demographic Characteristics among Undergraduate University Students	23
TABLE 19.	Prevalence of Hazardous and Harmful Drinking and Dependence by Socio-Demographic Characteristics among Undergraduate University Students	24
TABLE 20.	Drinking Patterns during the Past 30 Days among Undergraduate University Students	25
TABLE 21.	Drinking Patterns during the Past 12 Months among Undergraduate University Students	26
TABLE 22.	Prevalence of Illicit Drug Use among Undergraduate University Students	27
TABLE 23.	Frequency of Cannabis Use during the Past Year among Undergraduate University Students: population level	29
TABLE 24.	Frequency of Cannabis Use among Past Year Cannabis Users	30
TABLE 25.	Past-year and Past 30 Days Cannabis Use by Socio-demographic Characteristics among Undergraduate University Students	31
TABLE 26.	Past-year and Past 30 Days Illicit Drug Use (Excluding Cannabis) by Socio-demographic Indicators among Undergraduate University Students	32

TABLE 27. Prevalence of Smoking by Socio-Demographic Characteristics among Undergraduate University Students	33
TABLE 28. Drinking Patterns, Substance Use and Psychological Distress and Severity of Gambling Problems among Undergraduate University Students	34
TABLE 29. Prevalence of Psychological Distress among Undergraduate University Students	36
TABLE 30. Prevalence of Psychological Distress Items by Socio-demographic Characteristics among Undergraduate University Students	37

TABLE 1. Prevalence of Gambling and Gambling Activities among Undergraduate University Students (N=2,139)

	N	%	95 % CI	Pop.Est.
General Gambling Prevalence †	1,256	60.51	58.34-62.64	63,711
Non-gamblers †	874	41.05	38.86-43.27	43,217
Non-problem gamblers	937	47.49	45.21-49.79	50,007
Low-risk gamblers	155	7.8	6.64-9.15	8,215
Moderate-risk gamblers	58	2.8	2.13-3.67	2,947
Problem gamblers	21	0.86	0.55-1.34	903
State-run activities				
Lottery	822	39.29	37.11 - 41.52	41,368
- 6/49 or Super7	645	79.29	76.17 - 82.09	32,612
- Instant win/"scratch" tickets	481	59.83	56.2-63.36	24,539
- Daily lotteries	105	13.7	11.33 - 16.48	5,607
- Random draw	269	33.32	29.95 - 36.87	13,630
- Keno	44	5.41	3.96 - 7.36	2,211
Horse/Dog racing	15	0.66	0.38 - 1.16	700
Video lottery terminals/Coin slot machines	367	17.64	15.97-19.45	18,575
Table games*	123	5.45	4.53 - 6.54	5,740
- Roulette	58	47.34	37.94 - 56.93	2,680
- Blackjack	91	76.1	66.85 - 83.41	4,216
- Other	41	40.14	30.86 - 50.19	2,199
Non state-run activities				
Bingo	90	3.9	3.14 - 4.85	4,109
Table poker**	368	19.48	17.78-21.3	20,509
-Cash game poker	246	68.88	63.74-73.58	14,182
-Tournament poker	45	10.45	7.69-14.04	2,142
-Cash game & tournament poker	77	20.68	16.66-25.37	4,241
Betting on sports or sporting events	115	5.84	4.85 - 7.02	6,150
- Sport lotteries	56	48.05	38.45 - 57.79	2,914
- Pool(s)	66	59.77	49.89 - 68.91	3,597
- Sport betting events	25	23.58	16.07 - 33.21	1,376
- with a bookie	9	5.96	3.12 - 11.09	350
Card games/Board games	69	3.11	2.41 - 3.4	3,271
Games of skill	195	9.45	8.21 - 10.87	9,954
Speculative investments	98	4.83	3.92 - 5.92	5,080
Internet gambling				
- Poker only	63	62.9	56.38-68.98	3,561
- Poker and/or other	23	37.1	31.02-43.62	1,109

Note: * Could be a non state-run activity as well; ** Could be a state-run activity as well; † The overall estimated gambling prevalence may differ due to non-response on the Canadian Problem Gambling Index (CPGI)(N=80). Respondents with missing values on the CPGI did not significantly differ from the valid sample on major gambling behaviours and demographic characteristic; Pop.Est.: population estimate

TABLE 2. Number of Gambling Activities Reported by Undergraduate Students who Gambled in the Past 12 Months (N=1,256)

	N	%	95% CI
One	636	50.01	47.09 - 52.94
Lottery	361	56.43	52.56-60.23
Poker	85	15.76	13-18.97
VLT	67	9.77	7.67-12.36
Games of Skill	55	8.33	6.4-10.78
Other	68	9.71	7.63-12.28
Two	365	29.84	27.2 - 32.61
Lottery + VLT	94	25.43	21.11-30.28
Lottery + Poker	67	18.15	14.52-22.43
Lottery + Games of Skill	33	8.53	6.09-11.82
VLT + Poker	21	6.31	4.15-9.49
Other	150	41.58	36.47-46.88
Three	166	13.31	11.43 - 15.45
Four or more	89	6.84	5.53 - 8.44

TABLE 3. Prevalence of Gambling and Socio-demographic Characteristics among Undergraduate University Students (N=2,139)

	%	95% CI	Pop.Est.
General Gambling Prevalence	60.51	58.34-62.64	63, 711
	%	95% CI	OR
Gender			
Male	66.74	63.32 - 69.98	1.61***
Female	55.87	53.03-58.67	ref.
Living Arrangement			
On campus	64.94	54.97-73.75	ns
Off campus - alone	54.1	46.05-61.95	ref.
Off campus - with family	61.6	58.97-64.17	ns
Off campus - with friends/others	55.81	49.91-61.55	ns
Year of study			
First	58.57	54.84-62.2	ref.
Second	62.2	57.87-66.34	ns
Third	59.63	55.01-64.09	ns
Fourth	62.32	55.75-68.46	ns
Ethnicity			
Born in Canada	64.52	62.02-66.95	ref.
Born outside Canada	45.53	40.9-50.24	0.42***
Language spoken			
English only	55.21	48.82 - 61.43	0.68*
French only	63.79	60.61-66.85	ref.
French and English	66.83	60.71 - 72.43	ns
French or/and English and/or other	51.74	47.52 - 55.93	0.56***
Type of survey			
Web	60.1	57.41-62.73	ref.
Paper	61.36	57.53-65.06	ns

Notes: Significance levels: * p<=.05 **p<=.01 ***p<=.001; OR: odds ratio; Pop.Est.: population estimate; ns: non-significant; ref.: reference group; Controlled for gender and survey mode in all regression analyses

TABLE 4. Severity of Gambling Problems and Socio-demographic Characteristics among Past Year Gamblers (N=1,256)

	No-Problem Gamblers				Gamblers at Low Risk				At Moderate-Risk or Problem Gamblers			
	N	%	95%CI	Pop.Est.	N	%	95%CI	Pop.Est.	N	%	95%CI	Pop.Est.
General Prevalence	937	80.99	78.6-83.17	50,007	155	12.89	11.03-15.02	8,215	79	6.12	4.91-7.6	3,850
	%	95% CI		OR	%	95% CI		OR	%	95% CI		OR
Gender												
Male	74.18	70.08-77.9		ref.	15.45	12.47-18.98		Ns	10.37	8-13.45		4.06**
Female	86.07	83.14-88.56		ref.	10.99	8.72-13.75		ref.	2.95	1.97-4.39		ref.
Living Arrangement												
On campus	87.04	76.35-93.32		ref.	s	s		Ns	1.06	.15-7.08		Ns
Off campus - alone	74.99	64.33-83.29		ref.	13.57	7.65-22.92		ref.	11.44	6.13-20.35		ref.
Off campus - with family	81.4	78.63-83.89		ref.	12.78	10.64-15.27		Ns	5.82	4.45-7.56		Ns
Off campus - with friends/others	80.13	72.74-85.9		ref.	13.13	8.42-19.91		Ns	6.74	3.73-11.89		Ns
Year of study												
First	80.08	75.91-83.68		ref.	13.36	10.39-17.03		ref.	6.56	4.55-9.38		ref.
Second	81.46	76.66-85.46		ref.	13.37	9.89-17.82		Ns	5.17	3.29-8.04		Ns
Third	80.92	75.69-85.25		ref.	12.5	8.97-17.17		Ns	6.57	4.17-10.21		Ns
Fourth	82.45	74.72-88.19		ref.	11.15	6.58-18.26		Ns	6.4	3.36-11.84		Ns
Place of birth												
Born in Canada	83.99	81.46-86.24		ref.	11.21	9.3-13.47		ref.	4.79	3.61-6.35		ref.
Born outside Canada	66.29	59.26-72.67		ref.	21.01	15.71-27.51		2.31*	12.7	8.84-17.9		2.63*
Language spoken at home												
English only	77.66	69.52-84.12		ref.	16.19	10.71-23.73		Ns	S	s		Ns
French only	86.78	83.67-89.37		ref.	9.43	7.24-12.2		ref.	3.79	2.49-5.74		ref.
French and English	80.85	74.11-86.16		ref.	12.56	8.35-18.47		Ns	6.6	3.68-11.54		Ns
French or/and English and/or other	68.69	62.88 - 73.98		ref.	20.13	15.62 - 25.55		2.7**	11.18	8.13 - 15.19		3.57*
Type of survey												
Web	80.53	77.53-83.22		ref.	12.92	10.64-15.61		ref.	6.54	5.06-8.43		ref.
Paper	81.97	77.74-85.54		ref.	12.83	9.81-16.6		ns	5.21	3.36-7.99		ns

Notes: Significance levels: * p<=.05 **p<=.01 ***p<=.001; OR: odds ratio; Pop.Est.: population estimate; ns: non-significant; ref.: reference group; s - Data suppressed due to unreliability; Controlled for gender and survey mode in all regression analyses

TABLE 5. Self-Reported Problems due to Gambling by past year Gamblers (N=1,256)

	General		Family		Friends		Studies		Finances	
	%	95% CI	%	95% CI	%	95% CI	%	95% CI	%	95% CI
Total	8.96	7.5-10.66	3.66	2.72 - 4.9	3.09	2.29 - 4.18	3.32	2.5 - 4.4	5.96	4.82 - 7.36
Gambling type										
Lottery	2.92	2 - 4.25	1.46	.81 - 2.63	0.54	.21 - 1.36	0.71	0.31-1.61	1.71	1.03 - 2.82
VLTs	5.3	3.29 - 8.42	2.85	1.42 - 5.63	0.81	.31 - 2.12	1.68	.77 - 3.63	3.85	2.33 - 6.31
Poker	9.93	7.52 - 13.01	3.43	2.18 - 5.38	4.99	3.18 -7.74	4.34	.29 - 6.45	5.32	3.71 - 7.58
Table games*	16.39	9.73 - 23.06	7.38	2.67 - 12.08	s	s	8.2	3.26 - 13.13	11.48	5.74 - 17.21
Betting on sports	9.28	3.86 - 20.65	2.66	1.02 - 6.75	s	s	3.02	1.25 - 7.08	2.96	1.23 - 6.96
Games of skills	5.06	2.88 - 8.74	0.87	.21 - 3.46	2.49	.11 - 5.53	3.29	1.63 - 6.55	3.62	1.87 - 6.88
Speculative Investments	37.61	26.14-50.66	10.1	5.1 - 19.02	s	s	9.63	4.96 - 17.88	30.09	20.05 - 42.49

Notes: * Estimations done on unweighted data, due to estimability problems; Horse/Dog racing, Bingo and Card/Board games were omitted due to unreliability of data; Work is not presented due to unreliability of data; s - Data suppressed due to unreliability

TABLE 6. Frequency of Gambling Activities in Various Location among Past Year Gamblers (N=1,256)

Gambling activity	%	95% CI
POKER (N=369)	19.53	17.83 – 21.36
Private residence	94	90.96-96.06
- Less than once a month	79.11	74.26 - 83.25
Internet	14.61	11.7-18.09
- Less than once a month	31.91	23.83-41.25
Casino	11.47	8.62-15.09
- Less than once a month	90.53	81.42-95.42
VIDEO LOTTERY TERMINALS (N = 366)	17.62	15.95 – 19.42
Casino	81.05	76.61 – 84.81
- Less than once a month	93.4	89.73 - 95.82
Bar/Resto-bar	35.4	30.54 – 40.57
- Less than once a month	83.97	74.83-90.22
Internet	3.46	1.9 – 6.23
- Less than once a month *	s	s
GAMES OF SKILL (N = 195)	9.46	8.21 – 10.87
Bar/Resto-bar	86.93	80.98 – 91.22
- Less than once a month	82.26	76.79-86.67
Private residence	17.73	12.7 – 21.19
- Less than once a month*	81.82	67.93-95.71
On campus	10.01	6.48 – 15.14
- Less than once a month	67.31	52.6 - 79.25
BINGO (N = 90)	3.9	3.14 – 4.85
Bingo Hall	76.18	67.10 – 83.38
- Less than once a month	94	85.43-97.67
Private residence	12.18	7.04 – 20.25
- Less than once a month*	85.71	64.75-106.68
Other	13.12	8.36 - 19.99
- Less than once a month*	83.33	58.6-108.07
CARD/BOARD GAMES (N = 69)	3.11	2.41 – 3.4
Private residence	89.27	78.95 – 94.86
- Less than once a month	82.3	70.5 - 90.04
TABLE GAMES (N=123)	5.45	4.53 - 6.54
Private residence*	14.05	7.77 - 20.33
- Less than once a month	82.35	62.15 - 102.56
Casino*	82.11	75.25 - 88.98
- Less than once a month*	93.07	88.03 - 98.11

Notes: * Estimations done on unweighted data, due to estimability problems; s - Data suppressed due to unreliability.

TABLE 7. Gambling Activities in Various Locations among Past Year Gamblers (N=1,256)

Gambling activity	N	%	95% CI
Internet gambling	86	9.84	8.04 - 11.99
Poker (N=369)	72	73.4	61.62-82.59
Video lottery terminals (N = 366)	10	19.68	11.78-31.01
Games of skills (N = 195)	s	s	s
Bingo (N = 90)	s	s	s
Card/Board games (N = 69)	s	s	s
Gambling in a private residence	411	63.35	59.17-67.34
Poker (N=369)	339	80.42	75.37-84.65
Games of skills (N = 195)	33	7.55	5.24-10.78
Bingo (N = 90)	14	4.51	2.34-8.49
Card/Board games (N = 69)	59	16.61	12.62 - 21.53
Gambling on campus	51	7.55	5.53-10.22
Poker (N=369)*	27	52.94	38.76-67.12
Games of skills (N = 195)*	19	37.26	23.52 - 50.99
Bingo (N = 90)*	s	s	s
Card/Board games (N = 69)*	s	s	s
Gambling in a casino	359	56.55	52.7-60.32
Poker (N=369)	53	13.74	10.66-17.52
Video lottery terminals (N = 366)	280	81.63	77.57-85.1
Gambling in a Bar/Resto-bar	302	39.62	35.81-43.57
Poker (N=369)	37	11.42	8.51-15.17
Video lottery terminals (N = 366)	123	39.22	33.55-45.19
Games of skills (N = 195)	164	56.58	50.73-62.25

Notes: * Estimations done on unweighted data, due to estimability problems; s - Data suppressed due to unreliability.

TABLE 8. Gambling Partners by Gambling Activities among Past Year Gamblers (N=1,256)

Gambling activity	General prevalence		Alone		Friends		Family members		Co-workers	
	%	95% CI	%	95% CI	%	95% CI	%	95% CI	%	95% CI
Lottery	39.29	37.11-41.52	46.29	42.73 - 49.89	21.91	19.06 - 25.06	19.45	16.85 - 22.34	10.94	8.88 - 13.41
Bingo	3.9	3.13-4.85	s	s	56.79	46.83 - 66.23	31.13	22.88 - 40.78	s	s
VLTs	17.64	15.97-19.45	7.26	4.9 - 10.62	68.53	63.21 - 73.41	21.08	17.06 - 25.76	1.17	.44 - 3.1
Poker	19.48	17.79-21.3	3.04	1.78 - 5.15	86.65	82.18 - 90.13	7.77	5 - 11.87	2.07	.98 - 4.31
Table games *	5.45	4.53-6.54	s	s	81.3	74.31-88.29	12.2	6.33-18.06	s	s
Betting on sports	5.84	4.85-7.02	22.45	14.35 - 33.35	58.44	46.47 - 69.49	s	s	12.06	5.5 - 24.43
Card/Board games	3.11	2.41-4	0	NA	71.65	59.4 - 81.36	28.35	18.64 - 40.6	0	NA
Games of skills	9.45	8.21-10.87	1	.24 - 4	94.95	91.16-97.17	2.43	1.08-5.38	1.3	.39 - 4.21

Notes: *Estimations done on unweighted data, due to estimability problems; s - Data suppressed due to unreliability; Horse/Dog racing and Speculative Investments were omitted due to unreliability of data; NA - does not apply

TABLE 9. Reported Spending (\$) by Gambling Activities among Past year Gamblers (N=1,256)

	Mean	Median	SD	Min-Max
Total*	79.09	11	557.96	1 - 10,350
Lottery	15.96	6	36.3	1 - 700
Horse/Dog racing	53.36	20	87.21	2 - 300
Bingo	18.71	5	50.51	1 - 400
VLTs	40.24	5	301.17	1 - 5 000
Poker	110.67	10	691.03	1 - 10,000
Table games	65.48	20	124.45	1 - 700
Betting on sports	137.85	10	929.49	1 – 10,000
Card/Board games	20.07	5	70.45	1 - 500
Games of skills	19.38	5	57.03	1 - 500
Speculative Investments	2,274.11	200	8,139.91	0 - 50,000
Amount*	%	95% CI		
\$0 to \$20	67.31	64.4-70.09		
\$21 to \$50	17.67	15.42-20.16		
\$51 to \$100	8.15	6.62-9.98		
\$101 to \$250	3.91	2.91-5.22		
\$250 +	2.97	2.15-4.11		

Notes: * speculative investments are excluded; SD: standard deviation.

TABLE 10. Reported Debt (\$) by Gambling Activities among Past year Gamblers (N=1,256)

	Mean	Median	SD	Min-Max
Total*	130.75	9	1331.49	0-37,000
Lottery	23.99	6	95.94	0 - 2,000
Horse/Dog racing	38.53	5	65.69	0 - 200
Bingo	24.78	10	52.43	0 - 300
VLTs	47.44	5	307.86	0 - 5,000
Poker	203.58	5	1555.37	0 - 20,000
Table games	111.17	5	339.58	0 - 2,000
Betting on sports	171.07	10	1057.11	0 - 10,000
Card/Board games	9.81	5	15.14	0 - 60
Games of skills	72.54	0	802.25	0 - 11,000
Speculative Investments	1,175.2	50	3509.42	0 - 25,000
Amount*	%		95% CI	
\$0	37.01		34.27-39.84	
\$1 to \$20	29.72		27.06-32.52	
\$21 to \$50	16.01		13.89-18.39	
\$51 to \$100	8.49		6.99-10.27	
\$101 to \$250	5.42		4.2-6.96	
\$250 +	3.36		2.48-4.52	

Notes: * speculative investments are excluded; SD: standard deviation.

TABLE 11. Number of Reported Activities in various Locations and Severity of Gambling Problems among Past Year Gamblers (N=1,256)

Number of gambling activities	Total		Non-Problem gamblers		Low risk gamblers		Gamblers with moderate or severe problems		Test of Significance	
	%	95% CI	%	95% CI	%	95% CI	%	95% CI	χ^2	p
General										
One	50.01	47.09 - 52.94	52.52	49.13 - 55.9	38.53	30.95 - 46.72	22.67	14.45 - 33.73	93.19***	0.000
Two	29.84	27.36 - 32.61	31.27	28.2 - 34.51	28.58	21.6 - 36.76	28.61	19.26 - 40.23		
Three	13.31	11.43 - 15.45	11.95	9.92 - 14.53	18.96	13.15 - 26.56	22.57	14.47 - 33.44		
Four or more	6.84	5.53 - 8.44	4.26	3.08 - 5.86	13.93	9.13 - 20.68	26.15	17.55 - 37.06		
Internet										
One	85.77	71.86 - 93.43	77.97	44.34 - 94.02	100	-	68.68	43.61 - 86.15	15.478***	0.000
Two or more	14.23	6.57 - 28.14	s	s	0	-	31.32	13.85 - 56.39		
Private Residence										
One	86.63	81.99 - 90.22	89.19	83.6 - 93.03	78.82	65.75 - 87.83	73.21	56.42 - 85.22	11.148**	0.004
Two or more	13.37	9.78 - 18.01	10.81	6.97 - 16.4	21.18	12.17 - 34.25	26.79	14.78 - 43.58		
Casino										
One	79.34	74.62 - 83.38	86.76	81.64 - 90.61	67.19	52.92 - 78.86	51.63	35.03 - 67.87	28.748***	0.000
Two or more	20.66	16.62 - 25.38	13.24	9.39 - 18.36	32.81	21.14 - 47.08	48.37	32.13 - 64.97		
Campus*										
One	86.27	76.5 - 96.05	96	87.95 - 104.05	84.62	63.65 - 105.58	s	s	8.543**	0.014
Two or more	s	s	s	s	s	s	s	s		
Bar/Resto										
One	86.76	81.82 - 90.51	91.42	85.45 - 95.08	75.25	59.4 - 86.34	63.06	43.83 - 78.88	31.119***	0.000
Two or more	13.24	9.49 - 18.18	8.58	4.92 - 14.55	24.75	13.66 - 40.6	36.94	21.12 - 56.17		

Notes: Significance levels: * p<=.05 **p<=.01 ***p<=.001; * Estimations done on unweighted data, due to estimability problems; s - Data suppressed due to unreliability; Controlled for gender and survey mode in all regression analyses

TABLE 12 Severity of Gambling Problems by Gambling Activities among Past Year Gamblers (N=1,256)

	%	95% CI	OR
Lottery			
Non-problem gamblers	65.88	62.79-68.84	ref.
Low-risk gamblers	64.81	56.64-72.19	ns
Gamblers with moderate or severe problems	65.23	53.8-75.14	ns
Horse/Dog racing			
Non-problem gamblers	0.9	.47 - 1.72	ref.
Low-risk gamblers	s	s	ns
Gamblers with moderate or severe problems	s	s	ns
Bingo			
Non-problem gamblers	6.99	5.46-8.81	ref.
Low-risk gamblers	6.98	3.73-12.69	ns
Gamblers with moderate or severe problems	8.35	4.14-16.12	ns
VLTs			
Non-problem gamblers	27.52	24.6-30.65	ref.
Low-risk gamblers	36.28	28.6-44.73	ns
Gamblers with moderate or severe problems	42.39	31.7-53.85	ns
Poker			
Non-problem gamblers	28.6	25.78-31.6	ref.
Low-risk gamblers	38.66	31.02-46.9	ns
Gamblers with moderate or severe problems	51.24	39.92-62.43	ns
Table games			
Non-problem gamblers	5.72	4.44-7.35	ref.
Low-risk gamblers	16.91	11.42-24.32	3.06*
Gamblers with moderate or severe problems	31.98	22.39-43.38	6.56***
Betting on sports			
Non-problem gamblers	7.69	6.08-9.69	ref.
Low-risk gamblers	17.3	11.96-24.36	2.31*
Gamblers with moderate or severe problems	17.89	11.09-27.57	ns
Card/Board games			
Non-problem gamblers	4.55	3.35-6.16	ref.
Low-risk gamblers	7.55	4.15-13.37	ns
Gamblers with moderate or severe problems	s	s	ns
Games of skills			
Non-problem gamblers	15.54	13.25-18.13	ref.
Low-risk gamblers	19.57	13.82-26.96	ns
Gamblers with moderate or severe problems	14.34	8.36-23.51	ns
Speculative Investments			
Non-problem gamblers	6.35	4.84-8.3	ref.
Low-risk gamblers	10.83	6.71-16	ns
Gamblers with moderate or severe problems	22.28	14.25-31.1	3.78*

Notes: Significance levels: * p<=.05 **p<=.01 ***p<=.001; OR: odds ratio; ns: non-significant; ref.: reference group; s - Data suppressed due to unreliability; Controlled for gender and survey mode in all regression analyses

TABLE 13. Predictors of Spending on Specific Gambling Activities among Past Year Gamblers (N=1,256)

	Total	VLT	Poker	Poker Cash-Game	Table Games	Betting on Sports	Games of Skill
MODEL 1							
Constant	0.02	-0.09***	-0.1	-0.12	-0.53**	-0.1***	0.09
Socio-demographics							
Male (ref. Female)	-0.09	0.02	0.11	0.09	-0.18	-0.3	0.38*
Born outside Canada (ref. Born in Canada)	0.03	.1*	0.17	.35*	0.34	-0.7	0.22
Gambling Profile (ref. Non-problem)							
Low-risk	-0.03	-0.003	0.11	0.13	0.16	0.04	0.35
Moderate risk	.45**	.21***	.78***	.84***	.92***	0.11	0.66
Problem gamblers	.73**	.42***	.90***	0.45	1.29***	0.17*	0.3
MODEL 2*							
Constant	0.3	-0.12	0.3	0.38	-0.53	-0.2*	-0.75
Locations (ref.)							
Internet	.45*	.19*	.41**	.43**	0.07	0.06	0.36
Private residence	-.43*	-0.07	-.57**	-.68**	-0.09	0.8	0.53
Campus	-0.16	-0.06	-0.1	-0.41	0.5	-0.09	-0.06
Casino	0.11	0.01	0.19	0.18	-0.03	0.08	0.71
Bar-Resto	0.11	-0.01	0.01	0.14	-0.09	0.00	0.26
MODEL 3*							
Constant	-	0.12*	1.7***	1.53***	-1.11*	-0.13**	0.53
Partners (ref. Alone)							
With family	-	-.22***	-1.86***	-1.71***	0.61	0.04	-0.41
With friends	-	-.22***	-1.85***	-1.66***	0.52	-0.01	-0.88
With co-workers	-	-0.25	-1.82***	-1.64**	0.48	0.08	-0.9
With other	-	-0.25	-1.46*	-1.09	-	-0.01	-0.81

Note: * Controlled for gender, place of birth, and gambling profile in Model 2 and Model 3 regression analyses.

TABLE 14. Predictors of Debt on Specific Gambling Activities among Past Year Gamblers (N=1,256)

	Total	VLT	Poker	Poker Cash-Game	Table Games	Betting on Sports	Games of Skill
MODEL 1							
Constant	0.005	-0.06	-0.07	-0.08	-0.22	-0.12	-0.01
Socio-demographics							
Male (ref. Female)	0.13*	0.11	0.1	0.09	0.13	0.06	0.09
Born outside Canada (ref. Born in Canada)	0.02	0.15	-0.14	-0.14	0.03	-0.06	-0.09
Gambling Profile (ref. Non-problem)							
Low-risk	.16*	0.01	0.24	0.25	0.08	0.19	.50*
Moderate risk	0.18	0.08	0.19	0.18	.48*	0.12	-0.01
Problems	1.61***	2.26***	1.13***	1.18***	1.72***	0.13	0.26
MODEL 2*							
Constant	-0.13	-0.36	0.3	0.31	-0.56	-0.34	-0.88
Locations							
Internet	.66***	0.43	.32*	.33*	0.15	.47*	0.99
Private residence	-0.08	0.09	-.45*	-.47*	0.04	0.003	0.23
Campus	0.01	-0.41	-0.34	-0.35	0.59*	-0.27	-0.48
Casino	0.08	0.24	0.05	0.04	0.22	0.16	0.46
Bar-Resto	0.13	0.11	0.05	0.05	0.08	0.2	0.42
MODEL 3*							
Constant	-	0.45*	0.79**	0.86**	-0.49	-0.18	0.003
Partners (ref. Alone)							
With family	-	-.54**	-.89***	-.97***	0.28	0.08	-0.003
With friends	-	-.53*	-.93**	-.97**	0.25	-0.01	0.06
With co-workers	-	-0.49	-.91*	-.98*	0.3	0.05	-0.25
With other	-	-0.51	-1.11*	-1.42*	-	-0.02	-

Note: * Controlled for gender, place of birth, and gambling profile in Model 2 and Model 3 regression analyses.

TABLE 15. Characteristics of Last Reported Gambling Occasion among Past Year Gamblers (N=1,256)

Most reported activities	%	CI 95%
Lottery ticket	43.59	40.69 - 46.53
Table poker	19.39	17.18 - 21.82
VLT	12.6	10.67 - 14.82
Most reported gambling location		
Private residence	37.35	34.48 - 40.32
Other	26.98	24.38 - 29.75
Casino	13.71	11.74 - 15.95
Bar/Resto Bar	11.02	9.3 - 13.02
Internet gambling within locations		
Yes	4.56	81.04 - 85.47
No	83.37	3.49 - 5.92
Doesn't apply	12.07	10.25 - 14.16
Number of partners while gambling		
No one	24.36	21.83 - 27.09
1 person	18.94	16.67 - 21.45
2 to 3 people	22.92	20.42 - 25.63
4 to 9 people	28.7	26.07 - 31.48
10 or more people	5.07	3.88 - 6.6
Relationship with gambling partners		
Friends	67.28	63.95 - 70.46
Family	19.17	16.59 - 22.04
Acquaintances	6.38	4.78 - 8.45
Other	7.17	5.49 - 9.31
Gambling during the...		
Week	40.95	37.96 - 44.01
Weekend (includes Friday)	59.05	55.99 - 62.04
Most reported main reason to gamble		
To have fun	40.22	37.29 - 43.23
To try my luck	26.42	23.85 - 29.16
To win money	10.89	9.08 - 13
To be sociable	6.85	5.51 - 8.5

TABLE 16. Past-year and Past 30 Days Alcohol Use by Socio-demographic Indicators among Undergraduate University Students (N=2,139)

	Past year (N=1,840)			Past 30 days (N=1,673)		
	%	95% CI	Pop.Est.	%	95% CI	Pop.Est.
General prevalence	89.25	87.8-90.55	93,972	81.97	80.19-83.63	86,310
	%	95% CI	OR	%	95% CI	OR
Gender						
Female	90.21	88.41-91.75	ref.	82.71	80.46-84.75	ref.
Male	87.97	85.47-90.09	ns	80.99	78.01-83.65	ns
Living Arrangement						
Off campus - alone	85.93	79.79-90.43	ref.	78.13	71.04-83.88	ref.
On campus	91.08	84.2-95.14	ns	85.18	76.5-91.03	ns
Off campus - with family	89.09	87.3-90.66	ns	81.15	78.96-83.16	ns
Off campus - with friends/others	91.55	88.03-94.11	ns	87.78	83.56-91.03	2*
Year of study						
First	87.95	85.31-90.17	ref.	78.9	75.67-81.81	ref.
Second	89.46	86.59-91.78	ns	83.69	80.28-86.6	1.37*
Third	90.48	87.47-92.82	ns	83.97	80.35-87.04	1.41*
Fourth	90.82	86.42-93.9	ns	84.82	76.66-88.86	ns
Place of birth						
Born in Canada	93.54	92.16-94.7	ref.	87.27	85.44-88.89	ref.
Born outside Canada	74.77	70.54-78.58	0.21***	64.34	59.75-68.69	0.26***
Language spoken at home						
French only	95.38	93.79-96.58	ref.	89.92	87.74-91.76	ref.
English only	92	87.77-94.85	ns	86.43	81.49-90.21	ns
French and English	93.1	89.43 - 95.56	ns	86.19	81.35-89.92	ns
French or/and English and/or other	75.06	71.2-79.59	0.15***	63.8	59.63-67.77	0.2***
Type of survey						
Web	88.17	86.33-89.8	ref.	80.76	78.5-82.83	ref.
Paper	91.41	88.92-93.37	ns	84.41	81.38-87.03	ns

Notes: Significance levels: * p<=.05 **p<=.01 ***p<=.001; OR: odds ratio; Pop.Est.: population estimate; ns: non-significant; ref.: reference group; Controlled for gender and survey mode in all regression analyses.

TABLE 17. Drinkers Typology Over the Past 30 Days by Socio-Demographic Indicators among Undergraduate University Students (N=1,905)

	Lifetime abstainers			Former Drinkers		
	%	95% CI	Pop.Est.	%	95% CI	Pop.Est.
General Prevalence	8.73	7.51-10.12	9,188	2.98	2.29-3.86	3,132
	%	95% CI	OR	%	95% CI	OR
Gender						
Female	8	6.52-9.79	ref.	2.74	1.98-3.79	ref.
Male	9.7	7.77-12.04	ref.	3.28	2.15-4.99	ns
Living Arrangement						
Off campus - alone	12.4	8-18.72	ref.	2.93	1.27-6.62	ref.
On campus	7.83	4.02-14.69	ref.	s	s	ns
Off campus - with family	8.56	7.12-10.26	ref.	3.37	2.48-4.55	ns
Off campus - with friends/others	6.86	4.49-10.34	ref.	2.07	1.06-3.99	ns
Year of study						
First	9.91	7.83-12.48	ref.	3.31	2.15-5.07	ref.
Second	8.16	6.08-10.88	ref.	3.17	1.95-5.12	ns
Third	7.45	5.28-10.41	ref.	2.83	1.72-4.62	ns
Fourth	8.04	5.16-12.33	ref.	s	s	ns
Place of birth						
Born in Canada	4.23	3.26-5.44	ref.	2.72	1.98-3.72	ref.
Born outside Canada	24.3	20.33-28.76	ref.	4.04	2.52-6.4	0.25***
Language spoken at home						
French only	2.66	1.77-3.98	ref.	2.23	1.42-3.5	ref.
English only	4.97	2.76-8.77	ref.	3.5	1.75-6.87	ns
French and English	4.71	2.59-8.42	ref.	2.76	1.48-5.11	ns
French or/and English with other	23.67	20.06-27.72	ref.	4.57	3-6.88	0.23**
Type of survey						
Web	10.01	8.46-11.81	ref.	2.9	2.09-4.01	ref.
Paper	6.17	4.44-8.51	ref.	3.12	2.01-4.83	ns

Notes: Significance levels: * p<=.05 **p<=.01 ***p<=.001; OR: odds ratio; Pop.Est.: population estimate; ns: non-significant; ref.: reference group s - Data suppressed due to unreliability; Controlled for gender and survey mode in all regression analyses.

TABLE 17. Drinkers Typology Over the Past 30 Days by Socio-Demographic Indicators among Undergraduate University Students (N=1,905) (cont...)

	Drinkers			Light-Frequent Drinkers		
	%	95% CI	Pop.Est.	%	95% CI	Pop.Est.
General Prevalence	38.16	35.91-40.47	40,183	36.58	34.32-38.9	38,510
	%	95% CI	OR	%	95% CI	OR
Gender						
Female	43.76	40.79-46.78	ref.	36.31	33.49-39.23	ref.
Male	30.66	27.27-34.27	0.59*	36.93	33.28-40.74	ns
Living Arrangement						
Off campus - alone	26.6	19.91-34.56	ref.	37.42	29.71-45.82	ref.
On campus	43.5	33.6-53.94	ns	27.21	19.01-37.32	ns
Off campus - with family	40.93	38.19-43.73	2.22*	35.87	33.18-38.66	ns
Off campus - with friends/others	29.11	24-34.8	ns	44.34	38.42-50.42	ns
Year of study						
First	37.54	33.81-41.42	ref.	36.74	33-40.65	ref.
Second	40.9	36.5-45.44	ns	32.81	28.64-37.27	ns
Third	36.89	32.41-41.61	ns	40.15	35.49-44.99	ns
Fourth	36.13	29.77-43.03	ns	38.69	32.23-45.57	ns
Place of birth						
Born in Canada	36.88	34.35-39.49	ref.	41.71	39.05-44.42	ref.
Born outside Canada	42.32	37.48-47.31	0.21***	19.2	15.57-23.44	0.08***
Language spoken at home						
French only	35.83	32.64-39.15	ref.	44.45	41.06-47.89	ref.
English only	44.5	38.13-51.05	ns	33.1	27.21-39.58	0.39*
French and English	35.04	29.08-41.51	ns	43.86	37.46-50.48	ns
French or/and English with other	42.57	38.21-47.06	0.14***	18.78	15.55-22.51	0.05***
Type of survey						
Web	38.74	35.95-41.61	ref.	34.77	32.01-37.63	ref.
Paper	37.01	33.24-40.95	ns	40.18	36.27-44.22	1.83*

Notes: Significance levels: * p<=.05 **p<=.01 ***p<=.001; OR: odds ratio; Pop.Est.: population estimate; ns: non-significant; ref.: reference group s - Data suppressed due to unreliability; Controlled for gender and survey mode in all regression analyses.

TABLE 17. Drinkers Typology Over the Past 30 Days by Socio-Demographic Indicators among Undergraduate University Students (N=1,905) (cont...)

	Heavy-Infrequent Drinkers			Heavy-Frequent Drinkers		
	%	95% CI	Pop.Est.	%	95% CI	Pop.Est.
General Prevalence	5.02	4.06-6.19	5,284	8.54	7.26-10.03	8,992
	%	95% CI	OR	%	95% CI	OR
Gender						
Female	4.61	3.49-6.07	ref.	4.57	3.44-6.05	ref.
Male	5.57	4.03-7.65	ns	13.86	11.34-16.82	2.69***
Living Arrangement						
Off campus - alone	6	2.71-12.78	ref.	14.68	9.37-22.26	ref.
On campus	s	S	ns	13.79	7.65-23.6	ns
Off campus - with family	4.95	3.84-6.35	ns	6.32	5.02-7.93	ns
Off campus - with friends/others	4.67	2.64-8.14	ns	12.96	9.25-17.87	ns
Year of study						
First	5.06	3.59-7.07	ref.	7.44	5.47-10.04	ref.
Second	5.09	3.37-7.61	ns	9.88	7.34-13.16	ns
Third	4.72	2.99-7.39	ns	7.96	5.61-11.16	ns
Fourth	5.24	2.86-9.41	ns	9.95	6.59-14.73	ns
Place of birth						
Born in Canada	4.98	3.89-6.34	ref.	9.48	7.95-11.27	ref.
Born outside Canada	5.11	3.35-7.72	0.17***	5.04	3.15-7.98	0.08***
Language spoken at home						
French only	5.8	4.36-7.69	ref.	9.02	7.16-11.32	ref.
English only	2.22	1.01-4.81	0.2*	11.71	7.91-17	ns
French and English	3.67	1.93-6.87	ns	9.95	6.57-14.81	ns
French or/and English with other	4.83	3.28-7.05	0.09***	5.58	3.75-8.23	0.06***
Type of survey						
Web	5.08	3.92-6.58	ref.	8.5	6.91-10.4	ref.
Paper	4.89	3.41-6.97	ns	8.63	6.59-11.23	1.88*

Notes: Significance levels: * $p < .05$ ** $p < .01$ *** $p < .001$; OR: odds ratio; Pop.Est.: population estimate; ns: non-significant; ref.: reference group s - Data suppressed due to unreliability; Controlled for gender and survey mode in all regression analyses.

TABLE 18. Prevalence of AUDIT +8 and AUDIT +11 by Socio-Demographic Characteristics among Undergraduate University Students (N=2,139)

	AUDIT 8+			AUDIT 11+		
	%	95% CI	Pop.Est.	%	95% CI	Pop.Est.
General prevalence	22.66	20.79-24.65	23,856	10.95	9.57-12.51	11,532
	%	95% CI	OR	%	95% CI	OR
Gender						
Female	16.9	14.84-19.19	ref.	7.09	5.74-8.74	ref.
Male	30.37	27.04-33.93	2.19***	16.13	13.53-19.12	2.5***
Living Arrangement						
Off campus (alone)	26.12	19.56-33.94	ref.	14.5	9.58-21.35	ref.
On campus	27.1	18.88-37.25	ns	11.57	6.24-20.45	ns
Off campus (with family)	19.77	17.65-22.07	ns	8.85	7.37-10.59	ns
Off campus (with friends/others)	33.74	28.31-39.63	ns	18.54	14.25-23.76	ns
Year of study						
First	23.12	20.02-26.55	ref.	10.49	8.28-13.21	ref.
Second	24.07	20.4-28.16	ns	10.71	8.21-13.86	ns
Third	21.29	17.64-25.46	ns	11.46	8.69-14.98	ns
Fourth	21.33	16.48-27.15	ns	11.76	8.23-16.53	ns
Place of birth						
Born in Canada	25.05	22.84-27.4	ref.	12.55	10.87-14.44	ref.
Born outside Canada	14.17	11.1-17.92	0.43***	5.24	3.48-7.82	0.33***
Language spoken at home						
French only	26.59	23.73-29.66	ref.	12.76	10.65-15.22	ref.
English only	27.03	21.64-33.19	ns	12.41	8.5-17.79	ns
French and English	26.96	21.65-33.02	ns	15.83	11.68-21.12	ns
French or/and English and/or other	12.03	9.49-15.13	0.33***	4.7	3.18-6.88	0.28***
Type of survey						
Web	22.45	20.13-24.94	ref.	11.53	9.78-13.55	ref.
Paper	23.08	19.95-26.54	ns	9.8	7.7-12.39	ns

Notes: Significance levels: * p<=.05 **p<=.01 ***p<=.001; OR: odds ratio; Pop.Est.: population estimate; ns: non-significant; ref.: reference group; Controlled for gender and survey mode in all regression analyses

TABLE 19. Prevalence of Hazardous and Harmful Drinking and Dependence by Socio-Demographic Characteristics among Undergraduate University Students (N=2,139)

	AUDIT harm ^a			AUDIT dependence ^b		
	%	95% CI	Pop.Est.	%	95% CI	Pop.Est.
General prevalence	43.69	41.34-46.07	45,999	30.16	28-32.42	31,758
	%	95% CI	OR	%	95% CI	OR
Gender						
Female	40.65	37.72-43.64	ref.	29.39	26.7-32.23	ref.
Male	47.76	43.92-51.63	1.36**	31.2	27.7-34.93	ns
Living Arrangement						
Off campus (alone)	47.44	39.04-55.98	ref.	37.75	29.84-46.37	ref.
On campus	47.74	37.37-58.31	ns	31.81	22.62-42.68	ns
Off campus (with family)	40.62	37.86-43.45	ns	26.47	24.02-29.08	0.6*
Off campus (with friends/others)	54.31	48.18-60.32	ns	41.66	35.75-47.83	ns
Year of study						
First	45.06	41.14-49.05	ref.	30.64	27.08-34.45	ref.
Second	45.38	40.81-50.03	ns	30.18	26.07-34.63	ns
Third	42.33	37.62-47.18	ns	30.49	26.19-35.15	ns
Fourth	38.18	31.8-45	ns	26.61	21.02-33.07	ns
Place of birth						
Born in Canada	45.86	43.2-48.54	ref.	31.23	28.78-33.78	ref.
Born outside Canada	34.28	29.36-39.55	0.59***	24.57	20.2-29.54	0.71*
Language spoken at home						
French only	47.71	44.35-51.08	ref.	32.88	29.77-36.16	ref.
English only	46.91	40.46-53.45	ns	34.9	28.88-41.45	ns
French and English	48.72	42.3-55.19	ns	30.98	25.3-37.31	ns
French or/and English and/or other	30.12	25.95-34.66	0.45***	21.17	17.49-25.39	0.54***
Type of survey						
Web	43.06	40.13-46.04	ref.	29.9	27.21-32.74	ref.
Paper	44.89	40.96-48.9	ns	30.67	27.12-34.47	ns

Notes: ^a Reporting at least one of the 4 AUDIT harms; ^b Reporting at least one of the 3 AUDIT dependence symptoms;
 Significance levels: * p<=.05 **p<=.01 ***p<=.001; OR: odds ratio; Pop.Est.: population estimate; ns: non-significant;
 ref.: reference group; Controlled for gender and survey mode in all regression analyses

TABLE 20. Drinking Patterns during the Past 30 Days among Undergraduate University Students (N=2,139)

	5 + Drinks on single occasion once every two week			8 + Drinks on single occasion once every two week		
	%	95% CI	Pop.Est.	%	95% CI	Pop.Est.
General prevalence	24.39	22.47-26.41	25,680	7.87	6.69-9.24	8,289
	%	95% CI	OR	%	95% CI	OR
Gender						
Female	17.48	15.38-19.8	ref.	3.98	2.99-5.27	ref.
Male	33.66	30.22-37.28	2.44***	13.1	10.74-15.88	3.58***
Living Arrangement						
Off campus - alone	27.8	21.01-35.79	ref.	8.72	5.07-14.59	ref.
On campus	32.66	23.77-43.01	ns	s	s	ns
Off campus - with family	20.12	17.99-22.43	ns	6.54	5.27-8.1	ns
Off campus - with friends/others	39.52	33.84-45.49	1.65*	12.73	9.14-17.46	ns
Year of study						
First	24.14	21-27.59	ref.	7.93	6.05-10.34	ref.
Second	27.04	23.2-31.25	ns	8.83	6.47-11.94	ns
Third	22.57	18.79-26.85	ns	7.26	5.1-10.23	ns
Fourth	21.82	16.85-27.76	ns	6.58	4.1-10.42	ns
Place of birth						
Born in Canada	26.95	24.68-29.35	ref.	8.94	7.51-10.62	ref.
Born outside Canada	15.12	11.98-18.91	0.42***	4.06	2.59-6.3	0.35***
Language spoken at home						
French only	29.42	26.47-32.55	ref.	8.98	7.2-11.15	ref.
English only	25.18	19.99-31.21	ns	5.59	3.27-9.42	ns
French and English	27.51	22.16-33.59	ns	9.4	6.25-13.9	ns
French or/and English and/or other	12.75	10.16-15.9	0.29***	5.65	3.92-8.07	0.49**
Type of survey						
Web	24.56	22.18-27.12	ref.	8.59	7.07-10.4	ref.
Paper	24.05	20.86-27.56	ns	6.47	4.79-8.69	ns

Notes: Significance levels: * p<=.05 **p<=.01 ***p<=.001; OR: odds ratio; Pop.Est.: population estimate; ns: non-significant; ref.: reference group; s - Data suppressed due to unreliability; Controlled for gender and survey mode in all regression analyses

TABLE 21. Drinking Patterns during the Past 12 Months among Undergraduate University Students (N=2,139)

	5 + Drinks on single occasion once every two week			8 + Drinks on single occasion once every two week		
	%	95% CI	Pop.Est	%	95% CI	Pop.Est.
General prevalence	11.76	10.34-13.35	12,386	3.02	2.31-3.93	3,174
	%	95% CI	OR	%	95% CI	OR
Gender						
Female	6.58	5.29-8.15	ref.	1.36	0.86-2.16	ref.
Male	18.71	15.93-21.86	3.32***	5.23	3.78-7.19	3.84***
Living Arrangement						
Off campus - alone	11.81	7.56-18.01	ref.	4.16	1.92-8.76	ref.
On campus	15.94	9.58-25.36	ns	s	s	ns
Off campus - with family	9.38	7.85-11.16	ns	2.13	1.45-3.1	ns
Off campus - with friends/others	21.61	17.01-27.05	2.03*	6.35	3.87-10.26	ns
Year of study						
First	10.15	8.01-12.78	ref.	2.2	1.29-3.72	ref.
Second	14.08	11.16-17.61	ns	3.4	2.1-5.45	ns
Third	11.7	8.91-15.23	ns	3.24	1.87-5.57	ns
Fourth	11.29	7.66-16.33	ns	4.3	2.26-8.04	ns
Place of birth						
Born in Canada	13.41	11.69-15.34	ref.	3.55	2.68-4.69	ref.
Born outside Canada	5.88	3.92-8.73	0.33***	1.13	0.43-2.98	0.25**
Language spoken at home						
French only	13.64	11.47-16.13	ref.	3.51	2.44-5.03	ref.
English only	13.17	9.26-18.41	ns	s	s	ns
French and English	16.21	11.94-21.65	ns	4.37	2.52-7.48	ns
French or/and English and/or other	5.57	3.84-8.02	0.3***	1.65	0.81-3.32	0.38*
Type of survey						
Web	12.09	10.3-14.14	ref.	3.45	2.51-4.72	ref.
Paper	11.12	8.9-13.81	ns	2.17	1.32-3.53	ns

Notes: Significance levels: * p<=.05 **p<=.01 ***p<=.001; OR: odds ratio; Pop.Est.: population estimate; ns: non-significant; ref.: reference group; s - Data suppressed due to unreliability; Controlled for gender and survey mode in all regression analyses

TABLE 22. Prevalence of Illicit Drug Use among Undergraduate University Students (N=2,139)

	Lifetime prevalence			Past 12-month prevalence		
	%	95% CI	Pop.Est.	%	95% CI	Pop.Est.
Cannabis Use	57.56	55.3-59.78	58,853	33.94	31.81-36.14	34,689
	Lifetime prevalence (N=610)			Past 12-month prevalence (N=258)		
	%	95% CI	Pop.Est.	%	95% CI	Pop.Est.
Other illicit drug use	29.47	27.45-31.58	31,029	12.25	10.84-13.81	12,899
Prevalence by Specific Drug						
Crack Cocaine	4.04	3.22-5.07	4,257	1.51	1.03-2.21	1,587
Other forms of cocaine	5.58	4.66-6.66	5,873	2	1.46-2.74	2,109
Barbiturates (e.g. prescr. Sleeping pills)	2.34	1.75-3.11	2,460	0.89	0.56-1.42	909
Ritalin, Dexedrine, or Adderall	2	1.49-2.69	2,107	0.79	0.48-1.29	830
Other amphetamines (methamphetamine, crystal meth, speed, uppers, ups)	13.83	12.3-15.51	14,559	4.31	3.46-5.36	4,538
Tranquilizers (e.g. Valium, Librium, Xanax)	3.76	3.02-4.68	3,963	1.47	1.03-2.09	1,544
Heroin	0.62	0.36-1.06	650	s	s	s
Other opiate-types prescription drugs (codeine, morphine, Demerol, etc.)	6.04	5.11-7.13	6,361	1.62	1.16-2.25	1,702
LSD	4.96	4.07-6.03	5,222	0.71	0.42-1.18	745
Other psychedelics or hallucinogens (e.g. mushrooms, mescaline or PCP)	14.5	12.97-16.18	15,268	3.36	2.63-4.28	3,536
Ecstasy (MDMA)	11.3	9.94-12.83	11,903	3.48	2.73-4.43	3,664
Other "party drugs" (Ketamine, Special K, GHB)	3.71	2.93-4.69	3,910	0.84	0.51-1.37	886
Anabolic steroids	s	s	s	s	s	s
Other performance-enhancing drugs (e.g. growth hormone, ephedrine)	1.22	0.78-1.89	1,281	s	s	s

Notes: Significance levels: * p<=.05 **p<=.01 ***p<=.001; Pop.Est.: population estimate; s - Data suppressed due to unreliability; Controlled for gender and survey mode in all regression analyses.

TABLE 22. Prevalence of Illicit Drug Use among Undergraduate University Students (N=2,139) (cont...)

Past 30-days prevalence			
	%	95% CI	Pop.Est.
Cannabis Use	16.03	14.41-17.8	16,345
Past 30-days prevalence (N=79)			
	%	95% CI	Pop.Est.
Other illicit drug use	3.62	2.88-4.55	3,809
Prevalence by Specific Drug			
Crack Cocaine	0.63	0.36-1.1	663
Other forms of cocaine	0.55	0.31-0.98	577
Barbiturates (e.g. prescr. Sleeping pills)	s	s	s
Ritalin, Dexedrine, or Adderall	0.51	0.27-0.97	539
Other amphetamines (methphetamines, crystal meth, speed, uppers, ups)	0.81	0.48-1.36	853
Tranquilizers (e.g. Valium, Librium, Xanax)	s	s	s
Heroin	s	s	s
Other opiate-types prescription drugs (codeine, morphine, Demerol, etc.)	s	s	s
LSD	s	s	s
Other psychedelics or hallucinogens (e.g. mushrooms, mescaline or PCP)	s	s	s
Ecstasy (MDMA)	0.71	0.41-1.23	747
Other "party drugs" (Ketamine, Special K, GHB)	s	s	s
Anabolic steroids	s	s	s
Other performance-enhancing drugs (e.g. growth hormone, ephedrine)	s	s	s

Notes: Significance levels: * p<=.05 **p<=.01 ***p<=.001; Pop.Est.: population estimate; s - Data suppressed due to unreliability; Controlled for gender and survey mode in all regression analyses.

TABLE 23. Frequency of Cannabis Use during the Past Year among Undergraduate University Students: population level (N=2,139)

Frequency	%	95% CI
General prevalence	33.94	31.81-36.14
Almost every day	2.67	2.03-3.58
4 to 5 times a week	1.06	0.68-1.67
2 to 3 times a week	2.02	1.44-2.83
Once a week	2.51	1.87-3.36
2 to 3 times a month	4.1	3.28-5.13
Once a month	3.41	2.65-4.37
Less than once a month	20.48	18.69-22.39
Never	63.72	61.49-65.88

TABLE 24. Frequency of Cannabis Use among Past Year Cannabis Users (N=725)

Frequency	%	95% CI
Almost every day	6.9	5.25 - 9.01
4 to 5 times a week	2.94	1.90 - 4.53
2 to 3 times a week	5.06	3.65 - 6.96
Once a week	6.9	5.17 - 9.15
2 to 3 times a month	11.49	9.27 - 14.16
Once a month	9.41	7.34 - 11.99
Less than once a month	57.31	53.52 - 61

TABLE 25. Past-year and Past 30 Days Cannabis Use by Socio-demographic Characteristics among Undergraduate University Students (N=2,139)

	Past year (N=683)			Past 30 days (N=316)		
	%	95% CI	Est.Pop.	%	95% CI	Est.Pop.
General prevalence	33.94	31.81-36.14	35,736	16.03	14.41-17.8	16,880
	%	95% CI	OR	%	95% CI	OR
Gender						
Female	31.54	28.94-34.26	ref.	11.72	10.01-13.69	ref.
Male	37.16	33.63-40.84	1.31*	21.81	18.86-25.09	2.09***
Living Arrangement						
Off campus - alone	33.39	26.22-41.43	ref.	18.98	13.33-26.3	ref.
On campus	31.32	22.6-41.6	ns	13.27	7.39-22.67	ns
Off campus - with family	30.99	28.54-33.57	ns	13.93	12.14-15.94	ns
Off campus - with friends/others	49.43	43.52-55.35	1.93**	25.89	20.94-31.54	ns
Year of study						
First	34.81	31.28-38.51	ref.	14.95	12.42 - 17.9	ref.
Second	34.67	30.57-39.02	ns	17.43	14.28-21.11	ns
Third	33.63	29.32-38.22	ns	17.15	13.8-21.1	ns
Fourth	30.62	24.85-37.06	ns	14.28	10.2-19.64	ns
Place of birth						
Born in Canada	38.67	36.15-41.25	ref.	18.16	16.22-20.28	ref.
Born outside Canada	17.85	14.49-21.79	0.33***	8.91	6.5-12.1	0.39***
Language spoken at home						
French only	39.98	36.77-43.29	ref.	18.19	15.73-20.95	ref.
English only	43.04	36.84-49.47	ns	22.57	17.58-28-48	ns
French and English	39.4	33.35-45.79	ns	20.54	15.76-26.32	ns
French or/and English and/or other	17.33	14.37-20.75	0.30***	8.19	6.17-10.79	0.35***
Type of survey						
Web	33.23	30.61-35.96	ref.	16.65	14.61-18.91	ref.
Paper	35.35	31.73-39.15	ns	14.8	12.24-17.79	ns

Notes: Significance levels: * p<=.05 **p<=.01 ***p<=.001; OR: odds ratio; Pop.Est.: population estimate; ns: non-significant; ref.: reference group; Controlled for gender and survey mode in all regression analyses.

TABLE 26. Past-year and Past 30 Days Illicit Drug Use (Excluding Cannabis) by Socio-demographic Indicators among Undergraduate University Students (N=2,139)

	Past year (N=258)			Past 30 days (N=79)		
	%	95% CI	Est. Pop	%	95% CI	Est. Pop
General prevalence	12.25	10.84-13.81	12,899	3.62	2.88-4.55	3,809
	%	95% CI	OR	%	95% CI	OR
Gender						
Female	11.58	9.91-13.49	ref.	3.24	2.39-4.36	ref.
Male	13.15	10.84-15.87	ns	4.13	2.91-5.83	ns
Living Arrangement						
Off campus - alone	15.64	10.59-22.5	ref.	s	s	ref.
On campus	10.56	5.9-18.18	ns	s	s	ns
Off campus - with family	10.96	9.39-12.75	ns	3.03	2.24-4.08	ns
Off campus - with friends/others	17.9	13.79-22.9	ns	5.3	3.29-8.42	ns
Year of study						
First	13.71	11.33-16.5	ref.	4.78	3.42-6.64	ref.
Second	11.88	9.31-15.04	ns	3.09	1.93-4.89	ns
Third	11.61	8.93-14.98	ns	3.36	2.02-5.53	ns
Fourth	10.26	7.06-14.69	ns	1.93	0.87-4.26	0.39*
Place of birth						
Born in Canada	14.18	12.46-16.09	ref.	4.31	3.38-5.48	ref.
Born outside Canada	5.86	4.07-8.35	0.37***	1.37	0.7-2.68	0.3**
Language spoken						
French only	13.96	11.81-16.43	ref.	3.83	2.75-5.3	ref.
English only	19.86	15.17-25.58	1.51*	6.04	3.45-10.37	ns
French and English	13.36	9.65-18.2	ns	5.26	3.12-8.75	ns
French or/and English and/or other	6.57	4.84-8.86	0.42***	1.94	1.13-3.31	0.49*
Type of survey						
Web	11.67	9.99-13.59	ref.	3.39	2.54-4.52	ref.
Paper	13.41	10.98-16.28	ns	4.07	2.77-5.93	ns

Notes: Significance levels: * p<=.05 **p<=.01 ***p<=.001; OR: odds ratio; Pop.Est.: population estimate; ns: non-significant; ref.: reference group; s - Data suppressed due to unreliability; Controlled for gender and survey mode in all regression analyses

TABLE 27. Smoking Prevalence of Smoking by Socio-Demographic Characteristics among Undergraduate University Students (N=2,139)

Smoking Status	%	95 % CI	Pop.Est.
General prevalence	16.58	14.94-18.35	17,454
Non-Smokers	75.63	73.63-77.52	79,626
Daily-Smokers	9.13	7.89-10.54	9,610
Occasional Smokers	7.45	6.32-8.76	7,844
Previous Smokers	7.8	6.69-9.07	8,209
Current Smokers*			
	%	95 % CI	OR
Gender			
Female	15.29	13.37-17.43	ref.
Male	18.3	15.56-21.41	ns
Living Arrangement			
Off campus - alone	25.66	19.33-33.22	ref.
On campus	14.61	8.51-23.96	ns
Off campus - with family	15.27	13.4-17.35	0.52**
Off campus - with friends/others	18.81	14.57-23.94	ns
Year of study			
First	18.13	15.38-21.25	ref.
Second	13.63	10.82-17.02	ns
Third	17.3	14.02-21.17	ns
Fourth	17.25	12.89-22.7	ns
Place of birth			
Born in Canada	15.62	13.81-17.61	ref.
Born outside Canada	19.73	16.16-23.88	ns
Language spoken at home			
French only	17.82	15.38-20.55	ref.
English only	14.78	10.91-19.71	ns
French and English	18.68	14.35-23.95	ns
French or/and English and/or other	13.84	11.19-16.99	ns
Type of survey			
Web	15.91	13.92-18.12	ref.
Paper	17.91	15.13-21.07	ns

Notes: * Current smokers includes occasional and daily smokers; Significance levels: * p<=.05
 p<=.01 *p<=.001; OR: odds ratio; Pop.Est.: population estimate; ns: non-significant; ref.:
 reference group; Controlled for gender and survey mode in all regression analyses.

TABLE 28. Drinking Patterns, Substance Use and Psychological Distress and Severity of Gambling Problems among Undergraduate University Students (N=2,139)

	Non-Gamblers			Non-Problem Gamblers		
	%	CI 95%	OR	%	CI 95%	OR
Current Drinkers	81.3	78.39-83.9	ref.	94.6	92.94-95.89	4.22***
Past Year Heavy Drinkers						
5 to 7 drinks	55.2	51.65-58.7	ref.	74.84	71.86-77.61	2.38***
8 to 11 drinks	25.24	22.22-28.52	ref.	42.25	38.97-45.6	2.08***
12 drinks and more	10.72	8.7-13.14	ref.	22.43	19.7-25.42	2.26***
Past Month Heavy Drinkers						
5 to 7 drinks	31.32	28.07-34.76	ref.	46.21	42.87-49.59	1.83***
8 to 11 drinks	8.03	6.26-10.26	ref.	19.91	17.28-22.84	2.72***
12 and more	3.21	2.14-4.78	ref.	9.53	7.63-11.85	2.91***
Smoking						
Daily smokers	6.02	4.55-7.93	ref.	9.72	7.9-11.9	1.65*
Cannabis Use						
Lifetime users	46.2	42.68-49.76	ref.	64.93	61.65-68.07	2.17***
Past year users	24.81	21.88-28.01	ref.	38.09	34.84-41.45	1.85***
Past month users	10.86	8.83-13.29	ref.	18.16	15.65-20.97	1.75***
Illicit Drug Use						
Past Year Users	8.25	6.55-10.34	ref.	13.09	10.97-15.56	1.69**
Past Month Users	2.25	1.45-3.48	ref.	3.62	2.55-5.13	ns
Psychological Distress	23.57	20.68-26.73	ref.	23.05	20.32-26.02	ns

Notes: Significance levels: * p<=.05 **p<=.01 ***p<=.001; OR: odds ratio; Pop.Est.: population estimate; ns: non-significant; ref.: reference group; s - Data suppressed due to unreliability; Controlled for gender and survey mode in all regression analyses

TABLE 28. Drinking Patterns, Substance Use and Psychological Distress and Severity of Gambling Problems among Undergraduate University Students (N=2,139) (cont...)

	Low-Risk Gamblers			Mod.-Risk / Problem Gamblers		
	%	CI 95%	OR	%	CI 95%	OR
Current Drinkers	92.52	87.39-95.67	3.14**	96.45	90.8-98.68	7.54***
Past Year Heavy Drinkers						
5 to 7 drinks	66.99	58.72-74.32	1.58*	83.76	73.75-90.45	3.85***
8 to 11 drinks	43.03	34.85-51.59	1.93**	60.67	48.9-71.33	3.4***
12 drinks and more	22.41	15.98-30.5	1.89*	36.96	26.16-49.25	3.05***
Past Month Heavy Drinkers						
5 to 7 drinks	47.08	38.78-55.55	1.78**	55.76	43.89-67.01	2.31**
8 to 11 drinks	19.07	13.19-26.76	2.29**	26.14	16.95-38.03	2.9**
12 and more	7.23	4-12.73	ns	14.68	7.79-25.96	3.1*
Smoking						
Daily smokers	15.79	10.46-23.14	2.8**	20.52	12.15-32.51	3.72***
Cannabis Use						
Lifetime users	61.75	53.22-69.61	1.92**	70.58	59.05-79.96	2.94***
Past year users	44.43	36.2-52.97	2.35***	55.84	44.06-67	3.62***
Past month users	27.1	20.15-35.38	2.73***	24.72	15.62-36.83	2.13*
Illicit Drug Use						
Past Year Users	21.42	15.44-28.92	3.02***	24.67	15.74-36.48	3.65***
Past Month Users	7.86	4.5-13.38	3.63**	s	s	3.33*
Psychological Distress	36.42	28.87-44.71	2***	26.38	17.66-37.45	ns

Notes: Significance levels: * p<=.05 **p<=.01 ***p<=.001; OR: odds ratio; Pop.Est.: population estimate; ns: non-significant; ref.: reference group; s - Data suppressed due to unreliability; Controlled for gender and survey mode in all regression analyses

TABLE 29. Prevalence of Psychological Distress among Undergraduate University Students (N=2,139)

	Over the past few weeks		
	%	95% CI	Pop. Est.
General Prevalence	24.49	22.6-26.48	25,782
	%	95% CI	OR
Gender			
Female	27.29	24.8-29.94	ref.
Male	20.73	17.91-23.85	.71**
Living Arrangement			
Off campus - alone	29.65	22.83-37.51	ref.
On campus	23.81	16.38-33.26	ns
Off campus - with family	23.36	21.16-25.71	ns
Off campus - with friends/others	27.01	22.1-32.55	ns
Year of study			
First	26.11	22.95-29.54	ref.
Second	24.69	21.08-28.69	ns
Third	23.42	19.73-27.56	ns
Fourth	21.28	16.59-26.86	ns
Place of birth			
Born in Canada	25.65	23.43-28.01	ref.
Born outside Canada	20.89	17.53-24.71	ns
Language spoken at home			
French only	25.21	22.43-28.2	ref.
English only	25.87	20.7-31.82	ns
French and English	22.13	17.31-27.83	ns
French or/and English and/or other	23.94	20.64-27.58	ns
Type of survey			
Web	23.2	20.92-25.64	ref.
Paper	27.05	23.75-30.63	ns

Notes: Significance levels: * p<=.05 **p<=.01 ***p<=.001; OR: odds ratio; Pop.Est.: population estimate; ns: non-significant; ref.: reference group; Controlled for gender and survey mode in all regression analyses.

TABLE 30. Prevalence of Psychological Distress Items by Socio-demographic Characteristics among Undergraduate University Students (N=2,139)

	General prevalence		Gender	
			Female	Male
Been able to concentrate?	%	15.57	17.12	13.49
	CI95%	14-17.28	15.07-19.39	11.16-16.21
	Pop.Est.	16,392	ref.	ns
Losing sleep over worry	%	34.72	39.88	27.81
	CI95%	32.59-36.93	37.08-42.75	24.57-31.3
	Pop.Est.	36,560	ref.	0.59***
Felt that you are playing a useful part in things?	%	11.68	11.11	12.44
	CI95%	10.3-13.22	9.46-13.02	10.19-15.09
	Pop.Est.	12,297	ref.	ns
Felt capable of making decisions?	%	7.12	7.66	6.41
	CI95%	6.05-8.37	6.26-9.33	4.85-8.42
	Pop.Est.	7,498	ref.	ns
Felt constantly under strain?	%	39.67	44.32	33.43
	CI95%	37.47-41.91	41.47-47.21	30.05-37
	Pop.Est.	41,766	ref.	0.65***
Felt you couldn't get over your difficulties?	%	21.14	23.45	18.06
	CI95%	19.35-23.06	21.1-25.97	15.38-21.09
	Pop.Est.	22,263	ref.	0.73*
Been able to enjoy normal day-to-day activities?	%	17.18	18.22	15.79
	CI95%	15.54-18.95	16.1-20.54	13.3-18.63
	Pop.Est.	18,087	ref.	ns
Been able to face up to your problems?	%	7.93	8.89	6.64
	CI95%	6.81-9.21	7.41-10.64	5.06-8.66
	Pop.Est.	8,348	ref.	ns
Been feeling unhappy or depressed?	%	30.33	33.67	25.84
	CI95%	28.28-32.46	30.99-36.47	22.74-29.21
	Pop.Est.	31,932	ref.	0.69***
Been losing confidence in yourself?	%	15.95	17.62	13.71
	CI95%	14.38-17.66	15.57-19.87	11.37-16.44
	Pop.Est.	16,792	ref.	0.73*
Been thinking of yourself as a worthless person?	%	6.65	7.8	5.1
	CI95%	5.65-7.81	6.43-9.43	3.77-6.85
	Pop.Est.	6,997	ref.	0.60*
Been feeling reasonably happy, all things considered?	%	11.32	12.01	10.4
	CI95%	9.96-12.84	10.26-14	8.36-12.87
	Pop.Est.	11,917	ref.	ns

Notes: Significance levels: * p<=.05 **p<=.01 ***p<=.001; OR: odds ratio; Pop.Est.: population estimate; ns: non-significant; ref.: reference group; s - Data suppressed due to unreliability; Controlled for gender and survey mode in all regression analyses; ref.: reference group

TABLE 30. Prevalence of Psychological Distress Items by Socio-demographic Characteristics among Undergraduate University Students (N=2,139) (cont...)

		Living arrangement			
		On campus	Off campus - alone	Off campus -with family	Off campus - with friends/others
Been able to concentrate?	%	15.05	21.35	13.99	19.97
	CI95%	9.31-23.41	15.54-28.61	12.24-15.94	15.57-25.24
	OR	ns	ref.	0.58*	ns
Losing sleep over worry	%	43.67	35.36	34.15	34.03
	CI95%	34-53.85	28.03-43.44	31.61-36.77	28.72-39.77
	OR	ns	ref.	ns	ns
Felt that you are playing a useful part in things?	%	6.88	15.43	11.19	13.89
	CI95%	3.45-13.23	10.24-22.58	9.6-13.01	10.35-18.4
	OR	0.40*	ref.	ns	ns
Felt capable of making decisions?	%	7.58	13.6	6.2	8.5
	CI95%	3.77-14.65	8.85-20.35	5.04-7.6	5.72-12.43
	OR	ns	ref.	0.41**	ns
Felt constantly under strain?	%	38.61	43.7	38.39	42.92
	CI95%	29.39-48.73	35.89-51.83	35.8-41.05	37.21-48.83
	OR	ns	ref.	ns	ns
Felt you couldn't get over your difficulties?	%	24.59	20.24	20.32	24.43
	CI95%	16.91-34.32	14.56-27.43	18.25-22.57	19.76-29.81
	OR	ns	ref.	ns	ns
Been able to enjoy normal day-to-day activities?	%	12.37	27.79	16.02	19.56
	CI95%	7.08-20.72	21.1-35.64	14.16-18.07	15.3-24.66
	OR	0.37**	ref.	0.48***	ns
Been able to face up to your problems?	%	s	11.78	7.17	11.06
	CI95%	s	7.55-17.92	5.93-8.66	7.95-15.19
	OR	0.29*	ref.	0.56*	ns
Been feeling unhappy or depressed?	%	30.78	28.74	29.51	34.07
	CI95%	22.26-40.84	22-36.57	27.1-32.03	28.7-39.89
	OR	ns	ref.	ns	ns
Been losing confidence in yourself?	%	ns	16.92	15.44	19.1
	CI95%	8.02-21.94	11.86-23.57	13.61-17.46	14.97-24.05
	OR	ns	ref.	ns	ns
Been thinking of yourself as a worthless person?	%	s	10.72	6.28	7.46
	CI95%	s	6.5-17.18	5.15-7.62	5.03-10.93
	OR	ns	ref.	ns	ns
Been feeling reasonably happy, all things considered?	%	9.46	16.59	9.87	15.94
	CI95%	5.34-16.23	11.13-24.01	8.4-11.58	12.08-20.76
	OR	ns	ref.	0.54*	ns

Notes: Significance levels: * p<=.05 **p<=.01 ***p<=.001; OR: odds ratio; Pop.Est.: population estimate; ns: non-significant; ref.: reference group; s - Data suppressed due to unreliability; Controlled for gender and survey mode in all regression analyses; ref.: reference group