

Table S3. Male poisson risk ratios and unimputed odds ratios for poor physical health, poor mental health, binge drinking, using illicit drugs, and using cannabis across sex and sexual orientation for Canadians

Sexual Orientation	Risk Ratio (95% CI)	p-value	Odds Ratio (95% CI)	p-value
Model	Poisson models		Unimputed models	
	Model 1c: Poor Mental Health (Male)		Model 1d: Poor Mental Health (Male)	
Heterosexual	Reference		Reference	
Homosexual	1.48 (1.13-1.92)	0.004	1.68 (1.21-2.35)	0.002
Bisexual	2.20 (1.77-2.74)	0.000	2.58 (1.81-3.67)	0.000
Don't Know	0.97 (0.56-1.67)	0.900	0.94 (0.44-2.02)	0.871
Refuse	1.21 (0.64-2.30)	0.557	1.46 (0.53-4.02)	0.459
	Model 2c: Poor Physical Health (Male)		Model 2d: Poor Physical Health (Male)	
Heterosexual	Reference		Reference	
Homosexual	1.17 (0.92-1.49)	0.198	1.27 (0.92-1.75)	0.150
Bisexual	1.49 (1.08-1.81)	0.010	1.56 (1.05-2.31)	0.027
Don't Know	0.69 (0.44-1.09)	0.110	0.65 (0.33-1.27)	0.208
Refuse	1.13 (0.67-1.92)	0.639	1.63 (0.74-3.60)	0.223
	Model 3c: Binge Drinks Alcohol (Male)		Model 3d: Binge Drinks Alcohol (Male)	
Heterosexual	Reference		Reference	
Homosexual	0.98 (0.91-1.05)	0.557	0.88 (0.71-1.09)	0.256
Bisexual	0.98 (0.87-1.10)	0.710	0.97 (0.67-1.42)	0.887
Don't Know	0.56 (0.39-0.81)	0.002	0.27 (0.15-0.49)	0.000
Refuse	0.63 (0.47-0.84)	0.001	0.37 (0.21-0.64)	0.000
	Model 4c: Uses Illicit Drugs (Male)		Model 4d: Uses Illicit Drugs (Male)	
Heterosexual	Reference		Reference	
Homosexual	1.14 (0.84-1.56)	0.398	1.10 (0.73-1.65)	0.649
Bisexual	1.26 (0.89-1.79)	0.187	1.39 (0.85-2.28)	0.192
Don't Know	0.18 (0.09-0.34)	0.000	0.11 (0.04-0.28)	0.000
Refuse	0.46 (0.24-0.88)	0.020	0.32 (0.12-0.83)	0.019
	Model 5c: Uses Cannabis (Male)		Model 5d: Uses Cannabis (Male)	
Heterosexual	Reference		Reference	
Homosexual	1.11 (0.80-1.55)	0.525	1.13 (0.73-1.74)	0.594
Bisexual	1.16 (0.82-1.64)	0.397	1.24 (0.76-2.01)	0.386

Don't Know	0.17 (0.09-0.33)	0.000	0.10 (0.04-0.27)	0.000
Refuse	0.41 (0.21-0.82)	0.012	0.25 (0.09-0.71)	0.009

Note **Data pooled from 2009 to 2014, total weighted sample size n=19,980,000 individuals. Adjusted models are controlled for variables including year of birth, marital status, educational attainment, student status, self-reported ethnic minority status, employment status, rurality status, province of residence, year of interview, and federal income.**