

**APPENDIX 5: DETAILS OF MULTINOMIAL LOGISTIC REGRESSION
ANALYSES INVESTIGATING DIFFERENCES BETWEEN THE
COMPARISON GROUP AND THE VIOLENT, NON-VIOLENT, AND DUAL
PROBLEM ANTISOCIAL GROUPS ON RATES OF SUBSTANCE USE**

Table 1: Multinomial logistic regression results comparing the comparison group with the violent only, non-violent only, and dual problem groups on rates of substance use at 17-18 years.

Type of substance use	RRR	SE	Z	95% CI
Alcohol				
$\chi^2(3)= 54.48^{***}$				
Comparison vs Non-violent	3.18	0.76	4.84***	1.99 – 5.08
Comparison vs Violent	2.89	0.96	3.20**	1.51 – 5.55
Comparison vs Dual Problem	6.90	3.00	4.44 ***	2.94 – 16.17
Cigarettes				
$\chi^2(3)= 112.83^{***}$				
Comparison vs Non-violent	7.71	1.97	8.00***	4.68 – 12.72
Comparison vs Violent	1.95	0.70	1.87 (<i>ns</i>)	0.99 – 3.94
Comparison vs Dual Problem	14.32	6.57	5.80***	5.82 – 35.21
Marijuana				
$\chi^2(3)= 98.09^{***}$				
Comparison vs Non-violent	9.42	2.37	8.92***	5.76 – 15.42
Comparison vs Violent	1.57	0.64	1.10 (<i>ns</i>)	0.70 – 3.50
Comparison vs Dual Problem	6.50	2.45	4.97***	3.11 – 13.61
Illicit substances				
$\chi^2(3)= 37.64^{***}$				
Comparison vs Non-violent	5.61	2.02	4.78***	2.77 – 11.38
Comparison vs Violent	1.67	1.25	0.69 (<i>ns</i>)	0.39 – 7.24
Comparison vs Dual Problem	11.44	4.90	5.69 ***	4.94 – 26.48

