

Table A1: Sensitivity analysis to estimate the effect of migration between Local Health Areas (LHAs) on service utilization for ‘At home’ participants (n=433)

Outcome variable- Service utilization across public service domains	Independent variable - Local Health Areas	Unadjusted Rate Ratio (95% CI)	P value	Adjusted Rate Ratio¹ (95% CI)	P value
# of any MSP services	Downtown Eastside (DTES) ²	1.07 (0.93, 1.23)	0.323	1.03 (0.90, 1.19)	0.646
	Other LHA of Vancouver	1.08 (0.95, 1.22)	0.263	1.05 (0.89, 1.25)	0.556
	Other LHA of BC	Reference	-	Reference	
	Time (per fiscal year)	1.12 (1.11, 1.14)	<0.001	1.08 (1.06, 1.10)	<0.001
# of acute hospital admissions	Downtown Eastside (DTES)	0.96 (0.74, 1.25)	0.769	0.91 (0.73, 1.14)	0.425
	Other LHA of Vancouver	0.84 (0.66, 1.08)	0.169	0.75 (0.59, 0.96)	0.020
	Other LHA of BC	Reference	-	Reference	
	Time (per fiscal year)	1.14 (1.10, 1.18)	<0.001	1.08 (1.04, 1.12)	<0.001
# of social assistance payments	Downtown Eastside (DTES)	1.13 (1.07, 1.20)	<0.001	1.12 (1.05, 1.19)	<0.001
	Other LHA of Vancouver	1.09 (1.02, 1.16)	0.008	1.10 (1.03, 1.18)	0.007
	Other LHA of BC	Reference	-	Reference	
	Time (per fiscal year)	1.08 (1.07, 1.09)	<0.001	1.04 (1.03, 1.06)	<0.001
# of convictions	Downtown Eastside (DTES)	1.18 (0.85, 1.62)	0.325	1.22 (0.85, 1.76)	0.286
	Other LHA of Vancouver	0.76 (0.56, 1.04)	0.088	0.71 (0.52, 0.98)	0.038
	Other LHA of BC	Reference	-	Reference	

¹ -Each multivariable model was controlled for age at each fiscal year (continuous measure), gender (dichotomous), ethnicity (Aboriginals, White and other), # of MSP payments related to severe non-substance related mental disorders (schizophrenia or bipolar) and # of MSP payments related to severe substance related mental disorders (alcohol or drug dependence).

² -DTES without Vancouver Unknown Place (VUP), which is not a designated LHA.

Outcome variable- Service utilization across public service domains	Independent variable - Local Health Areas	Unadjusted Rate Ratio (95% CI)	P value	Adjusted Rate Ratio¹ (95% CI)	P value
	Time (per fiscal year)	1.07 (1.03, 1.11)	0.002	1.07 (1.03, 1.12)	0.003