

## Appendix A. Supplementary data

The following is Supplementary data to this article:

**Supplementary Table 1.** Bivariate and Multiple Regression Analyses of Factors Associated with Self-reported Inability to Access Selected Types of Health and Social Services in the Previous 6 Months of Assessment, by Service Type (<sup>a</sup> N=2494).

	Health Services		Social Services	
	Adjusted OR (95% CI)	P-value	Adjusted OR (95% CI)	P-value
Mental health conditions, L6M	1.54 (1.37 - 1.73)	<0.001	1.44 (1.29 - 1.61)	<0.001
HIV positive	0.91 (0.79 - 1.06)	0.24	1.00 (0.88 - 1.15)	0.95
HCV positive	0.81 (0.68 - 0.96)	0.017	0.83 (0.70 - 0.98)	0.032
Age in years	0.99 (0.98 - 0.99)	<0.001	1.00 (0.99 - 1.01)	0.32
Male	0.90 (0.78 - 1.05)	0.18	0.74 (0.65 - 0.85)	<0.001
Caucasian	1.19 (1.04 - 1.37)	0.012	1.27 (1.12 - 1.44)	<0.001
Residing in DTES, L6M	0.89 (0.78 - 1.01)	0.070	0.97 (0.86 - 1.09)	0.59
Employment, L6M	1.21 (1.06 - 1.38)	0.006	1.07 (0.94 - 1.21)	0.33
Daily heroin use, L6M	1.23 (1.06 - 1.44)	0.008	0.85 (0.73 - 0.99)	0.034
Daily prescription opioids use, L6M	1.21 (0.95 - 1.53)	0.12	0.92 (0.73 - 1.17)	0.502
Daily stimulants use, L6M	0.91 (0.79 - 1.04)	0.17	0.99 (0.88 - 1.12)	0.91
Overdose, L6M	1.37 (1.13 - 1.67)	0.002	1.18 (0.97 - 1.43)	0.10
Binge alcohol use, L6M	1.38 (1.22 - 1.57)	<0.001	1.15 (1.02 - 1.30)	0.024
Incarceration, L6M	1.11 (0.94 - 1.31)	0.22	1.15 (0.99 - 1.33)	0.077
Homelessness, L6M	1.41 (1.24 - 1.62)	<0.001	4.89 (4.33 - 5.51)	<0.001
Sex work, L6M	1.36 (1.12 - 1.65)	0.002	0.96 (0.79 - 1.15)	0.65
Dealing drugs, L6M	1.22 (1.06 - 1.40)	0.005	1.27 (1.12 - 1.44)	<0.001
Victim of violence, L6M	1.96 (1.72 - 2.23)	<0.001	1.69 (1.49 - 1.91)	<0.001
Calendar year				
2005-2007	Reference		Reference	
2008-2010	0.88 (0.76 - 1.00)	0.059	1.04 (0.92 - 1.19)	0.51
2011-2013	0.68 (0.58 - 0.80)	<0.001	0.75 (0.65 - 0.87)	<0.001
2014-2015	0.70 (0.55 - 0.90)	0.006	0.72 (0.56 - 0.91)	0.006

<sup>a</sup> A total of 2494 participants with 18,028 observations were analyzed.  
Abbreviations: DTES: downtown eastside; L6M: last six months.

**Supplementary Table 2.** Bivariate and Multiple Regression Analyses of Factors Associated with Self-reported Inability to Access Health and Social Services Excluding Housing in the Previous 6 Months of Assessment (<sup>a</sup> N=2494).

	Bivariate		Multivariable	
	Unadjusted OR (95% CI)	P-value	Adjusted OR (95% CI)	P-value
Mental health conditions, L6M	1.70 (1.54 - 1.86)	<0.001	1.48 (1.34 - 1.63)	<0.001
HIV positive	0.67 (0.59 - 0.77)	<0.001	0.94 (0.82 - 1.06)	0.31
HCV positive	0.48 (0.42 - 0.55)	<0.001	0.76 (0.65 - 0.89)	<0.001
Age in years	0.96 (0.96, 0.97)	<0.001	0.99 (0.99, 1.00)	0.003
Male	0.89 (0.78 - 1.01)	0.064	0.86 (0.75 - 0.97)	0.018
Caucasian	1.35 (1.19 - 1.53)	<0.001	1.24 (1.10 - 1.39)	<0.001
Residing in DTES, L6M	0.86 (0.78 - 0.96)	0.005	0.84 (0.76 - 0.94)	0.002
Employment, L6M	1.18 (1.06 - 1.32)	0.002	1.12 (1.00 - 1.25)	0.048
Daily heroin use, L6M	1.34 (1.19 - 1.52)	<0.001	1.08 (0.94 - 1.23)	0.28
Daily prescription opioids use, L6M	1.22 (0.99 - 1.49)	0.060	1.10 (0.90 - 1.35)	0.36
Daily stimulants use, L6M	1.20 (1.09 - 1.33)	<0.001	0.96 (0.85 - 1.07)	0.42
Overdose, L6M	2.03 (1.73 - 2.39)	<0.001	1.46 (1.23 - 1.73)	<0.001
Binge alcohol use, L6M	1.56 (1.40 - 1.73)	<0.001	1.26 (1.14 - 1.41)	<0.001
Incarceration, L6M	1.75 (1.53 - 2.00)	<0.001	1.20 (1.04 - 1.39)	0.011
Homelessness, L6M	1.93 (1.75 - 2.14)	<0.001	1.38 (1.23 - 1.54)	<0.001
Sex work, L6M	1.55 (1.32 - 1.81)	<0.001	1.19 (1.01 - 1.41)	0.039
Dealing drugs, L6M	1.66 (1.49 - 1.84)	<0.001	1.19 (1.06 - 1.34)	0.003
Victim of violence, L6M	2.58 (2.33 - 2.87)	<0.001	1.95 (1.75 - 2.18)	<0.001
Calendar year				
2005-2007	Reference		Reference	
2008-2010	0.75 (0.67 - 0.84)	<0.001	0.88 (0.79 - 0.99)	0.034
2011-2013	0.53 (0.47 - 0.60)	<0.001	0.71 (0.62 - 0.80)	<0.001
2014-2015	0.64 (0.53 - 0.78)	<0.001	0.79 (0.65 - 0.96)	0.018

<sup>a</sup> A total of 2403 participants with 18,200 observations were analyzed.

Abbreviations: DTES: downtown eastside; L6M: last six months.