

## Supplementary Appendices

### Supplementary Appendix 1: Mental health and addictions-related diagnostic categories

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#### Mental health and addictions-related emergency department visit (National Ambulatory Care Reporting System database)

Any MHA	ICD-10-CA: F06-F99 (excluding dementia) in primary field or X60-X84, Y10-Y19, Y28 in secondary field when there is no F06-F99 in the primary field
Substance use disorders	ICD-10-CA: F55, F10- F19
Schizophrenia	ICD-10-CA: F20 (excluding F20.4), F22, F23, F24, F25, F28, F29, F53.1
Mood and affective disorders	ICD-10-CA: F30, F31, F32, F33, F34, F38, F39, F53.0
Anxiety disorders	ICD-10-CA: F40, F41, F42, F43, F48.8, F48.9; F93.1, F93.2
Deliberate self-harm	ICD-10-CA: X60-X84, Y10-Y19, Y28 in secondary field and no identified mental health and addictions (F06-F99) in primary field

#### Mental health and addictions-related hospitalisation (Canadian Institute for Health Information's Discharge Abstract Database) as described above and the Ontario Mental Health Reporting System database

Any MHA	DSM-IV: Any (including missing diagnoses except for DSMIV 290.x. or 294.x in primary field)
Substance use disorders	DSM-IV: 291.x (0, 1, 2, 3, 5, 81, 89, 9), 292.0, 292.11, 292.12, 292.81, 292.82, 292.83, 292.84, 292.89, 292.9, 303.xx (00, 90 and 303), 304.xx (00, 10, 20, 30, 40, 50, 60, 80, 90 and 304), 305.xx (00, 10 to 90 excluding 80) or provisional diagnosis 4. Exclude if three-digit code is exactly 291/305.
Schizophrenia	DSM-IV: 295.xx (10, 20, 30, 40, 60, 70, 80, 90 and 295), 297.1, 297.3, 298.8, 298.9 or provisional diagnosis 5.
Mood and affective disorders	DSM-IV: 296.0x, 296.2x, 296.3x, 296.4x, 296.5x, 296.6x, 296.7, 296.80, 296.89, 296.90, 300.4, 301.13 or provisional diagnosis 6. Exclude if three-digit code is exactly 300.
Anxiety disorders	DSM-IV: 300.xx (00, 01, 02, 21, 22, 23, 29), 300.3, 308.3, 309.0, 309.24, 309.28, 309.3, 309.4, 309.81, 309.9 or provisional diagnoses 7, 15.

#### Mental health and addictions-related outpatient visit (Ontario Health Insurance Plan database)

Psychiatrist	Any outpatient, non-lab, OHIP visit/consult to a psychiatrist
General practitioner/family physician	Any outpatient, non-lab, OHIP visit/consult to a general practitioner/family physician with a mental health and addictions diagnostic code listed below. Mental health and addictions diagnostic codes: 295, 296, 297, 298, 300, 301, 302, 306, 309, 311, 303, 304, 897, 898, 899, 900, 901, 902, 904, 905, 906, 909, 291, 292, 299, 307, 313, 314, 315.
Paediatrician	Any outpatient, non-lab, OHIP visit/consult to a paediatrician with a mental health diagnostic code; or any OHIP visit/consult to a paediatrician in an undefined location with fee codes K122, K123, K704 and a mental health diagnostic code listed below. Mental health and addictions diagnostic codes: 295, 296, 297, 298, 300, 301, 302, 306, 309, 311, 303, 304, 897, 898, 899, 900, 901, 902, 904, 905, 906, 909, 291, 292, 299, 307, 313, 314, 315.

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Supplementary Appendix 2: Assault-related diagnostic codes

**Assault-related emergency department visit or hospitalisation (Canadian Institute for Health Information's Discharge Abstract Database or National Ambulatory Care Reporting System)**

Any assault	ICD-10-CA: X85-Y09, Y87.1
Assault by sharp or blunt object	ICD-10-CA: X99, Y00
Assault by bodily force	ICD-10-CA: Y04
Assault by firearms	ICD-10-CA: X93, X94, X9500, X9501, X9508, X9509, X96
Other assaults	All other codes not listed.

Supplementary Appendix 3: Mechanism of homicide according to underlying cause of death on the medical certificate of death from April 2003 to December 2012, by sex

	Female (n = 416)		Male (n = 1125)	
	n	%	n	%
Assault by sharp or blunt object	187	45.0	466	41.4
Assault by firearms	80	19.2	477	42.4
Assault by hanging, strangulation, and suffocation	85	20.4	20	1.8
All other assaults	64	15.4	162	14.4

Supplementary Appendix 4: Mechanism of injury for assault-related emergency department visits in the year prior to homicide, April 2003 to December 2012 (excluding visits that resulted in death)

