



---

Additional Emergency Department (ED)  
Mental Health Compass Analyses for  
Alberta Health Services Zone: Edmonton

---

# Additional Emergency Department (ED) Mental Health Compass Analyses for Alberta Health Services Zone: EDMONTON

---

## Emergency Department Visits by Children and Youth Aged 0 to 17 Years, 2002-2008

Dr. Amanda S. Newton and Dr. Rhonda J. Rosychuk

August 17, 2012

### Contents

|  |    |
|--|----|
| 1. 2008-2011 update.....   | 2  |
| 2. Mental health ED visits in each sub-regional health authority (subRHA) .....                                    | 2  |
| 3. Time and month of presentation by type of mental health diagnosis .....   | 3  |
| <i>Month of presentation</i> .....   | 3  |
| <i>Time of presentation</i> .....  | 5  |
| 4. Triage score (level of acuity) by time of day .....   | 7  |
| 5. Where children are coming from for an ED visit (geographic distance).....                                       | 9  |
| 6. Type of substance misuse and self-harm presentations.....   | 10 |
| 7. Mental health visit trends by Aboriginal children in each Zone .....  | 11 |
| 8. Substance misuse, self-harm and Aboriginal children presentations in each subRHA .....                          | 12 |
| 9. Number of transfers in each subRHA .....  | 13 |
| 10. Type of physician follow-up visits (post-ED visit) in each Zone .....  | 13 |
| 11. Triage score (level of acuity) at ED index visit (first ED visit) by physician follow-up visit.....            | 14 |
| 12. Triage score (level of acuity) at ED index visit (first ED visit) by time to physician follow-up and type..... | 15 |
| 13. Disclaimer .....   | 17 |
| Appendix.....  | 18 |

## 1. 2008-2011 update

The 2008-2011 dataset has been created by Alberta Health but has not been released for analysis.

## 2. Mental health Emergency Department (ED) visits in each sub-regional health authority (subRHA)

We created a table of frequency (n) and percentage (%) of ED mental health visits by RHA and subRHA in Edmonton Zone for each fiscal year and all years combined.

**Table 1**

| RHA                    | SubRHA                          | 02/03 | %    | 03/04 | %    | 04/05 | %    | 05/06 | %   | 06/07 | %   | 07/08 | %    | All  | %    |
|------------------------|---------------------------------|-------|------|-------|------|-------|------|-------|-----|-------|-----|-------|------|------|------|
| R6 Capital Health      | n                               | 1582  |      | 1642  |      | 1545  |      | 1551  |     | 1455  |     | 1437  |      | 9212 |      |
|                        | R601 St. Albert                 | 96    | 6.1  | 83    | 5.1  | 96    | 6.2  | 92    | 5.9 | 97    | 6.7 | 72    | 5.0  | 536  | 5.8  |
|                        | R602 Edmonton Castle Downs      | 65    | 4.1  | 64    | 3.9  | 53    | 3.4  | 82    | 5.3 | 61    | 4.2 | 58    | 4.0  | 383  | 4.2  |
|                        | R603 Edmonton Woodcroft         | 114   | 7.2  | 143   | 8.7  | 130   | 8.4  | 119   | 7.7 | 111   | 7.6 | 94    | 6.5  | 711  | 7.7  |
|                        | R604 Edmonton Eastwood          | 113   | 7.1  | 101   | 6.2  | 118   | 7.6  | 112   | 7.2 | 128   | 8.8 | 135   | 9.4  | 707  | 7.7  |
|                        | R605 Edmonton North Central     | 103   | 6.5  | 80    | 4.9  | 100   | 6.5  | 117   | 7.5 | 114   | 7.8 | 110   | 7.7  | 624  | 6.8  |
|                        | R606 Edmonton North East        | 177   | 11.2 | 176   | 10.7 | 165   | 10.7 | 133   | 8.6 | 130   | 8.9 | 151   | 10.5 | 932  | 10.1 |
|                        | R607 Edmonton Bonnie Doon       | 143   | 9.0  | 150   | 9.1  | 87    | 5.6  | 88    | 5.7 | 87    | 6.0 | 122   | 8.5  | 677  | 7.3  |
|                        | R608 Edmonton West Jasper Place | 132   | 8.3  | 177   | 10.8 | 136   | 8.8  | 124   | 8.0 | 129   | 8.9 | 101   | 7.0  | 799  | 8.7  |
|                        | R609 Edmonton Twin Brooks       | 101   | 6.4  | 103   | 6.3  | 94    | 6.1  | 110   | 7.1 | 99    | 6.8 | 124   | 8.6  | 631  | 6.8  |
|                        | R612 Edmonton Mill Woods        | 172   | 10.9 | 159   | 9.7  | 157   | 10.2 | 152   | 9.8 | 124   | 8.5 | 134   | 9.3  | 898  | 9.7  |
|                        | R613 Sherwood Park              | 37    | 2.3  | 64    | 3.9  | 68    | 4.4  | 80    | 5.2 | 61    | 4.2 | 58    | 4.0  | 368  | 4.0  |
|                        | R614 Strathcona County          | 35    | 2.2  | 10    | 0.6  | 33    | 2.1  | 25    | 1.6 | 22    | 1.5 | 21    | 1.5  | 146  | 1.6  |
|                        | R615 Thorsby                    | 19    | 1.2  | 11    | 0.7  | 8     | 0.5  | 10    | 0.6 | 9     | 0.6 | 12    | 0.8  | 69   | 0.7  |
|                        | R616 Leduc Office               | 36    | 2.3  | 50    | 3.0  | 40    | 2.6  | 48    | 3.1 | 25    | 1.7 | 20    | 1.4  | 219  | 2.4  |
|                        | R617 Beaumont                   | 21    | 1.3  | 13    | 0.8  | 26    | 1.7  | 24    | 1.5 | 24    | 1.6 | 20    | 1.4  | 128  | 1.4  |
|                        | R618 Westview                   | 139   | 8.8  | 156   | 9.5  | 116   | 7.5  | 137   | 8.8 | 133   | 9.1 | 127   | 8.8  | 808  | 8.8  |
| R619 Sturgeon County   | 43                              | 2.7   | 59   | 3.6   | 75   | 4.9   | 51   | 3.3   | 55  | 3.8   | 47  | 3.3   | 330  | 3.6  |      |
| R620 Fort Saskatchewan | 36                              | 2.3   | 43   | 2.6   | 43   | 2.8   | 47   | 3.0   | 46  | 3.2   | 31  | 2.2   | 246  | 2.7  |      |

*Interpretation:* The number of ED mental health visits in Edmonton Zone was the largest in fiscal year 2003/2004 (1642 of 9212 visits from 2002 to 2008; 17.8% of visits), and smallest in fiscal year 2007/2008 (1437 of 9212 visits from 2002 to 2008; 15.6% of visits).

---

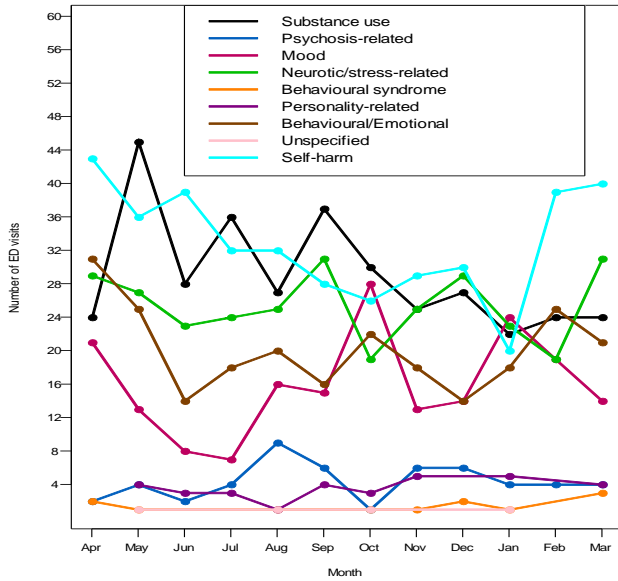
### 3. Time and month of presentation by type of mental health diagnosis

#### Month of presentation

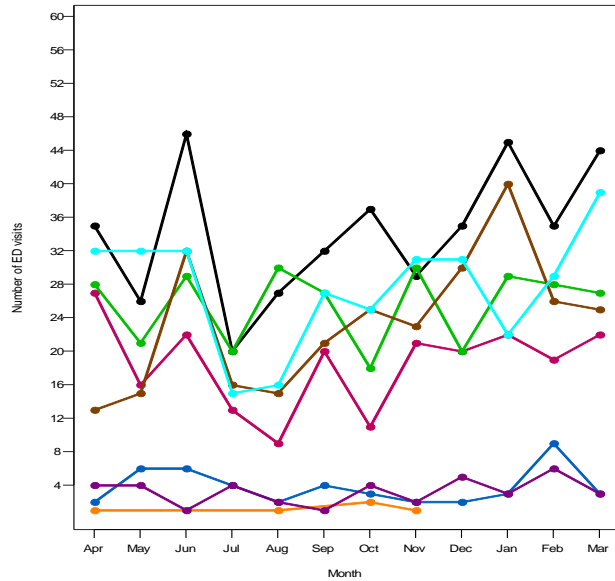
The plots on the following page show ED mental health visits by month and diagnosis for each fiscal year separately for Edmonton Zone. Note that for fiscal year 2003/2004, no ED visits were reported with the diagnosis “unspecified diagnosis”. Table 2 in the Appendix provides a tabular display of the frequency (n) and percentage (%) of ED mental health visits by month and diagnosis for each fiscal year and all years combined for Edmonton Zone.

*Interpretation:* In Edmonton Zone, the largest number of ED mental health visits in April was for mental and behavioural disorders due to substance use.

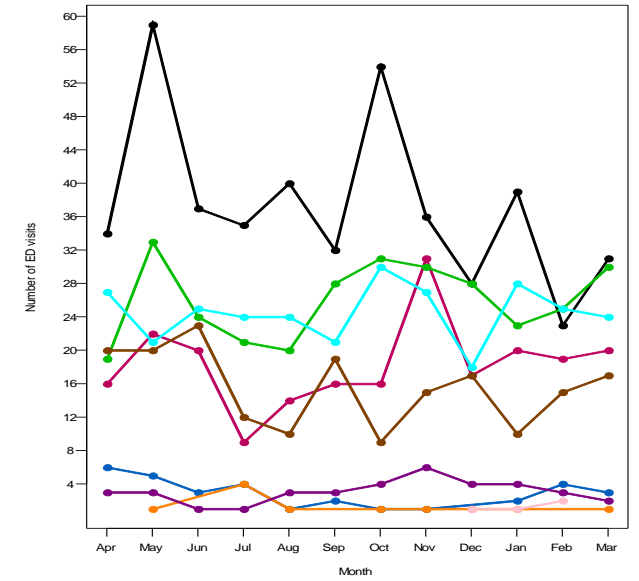
ED visit by month and diagnosis for fiscal year 2002/2003



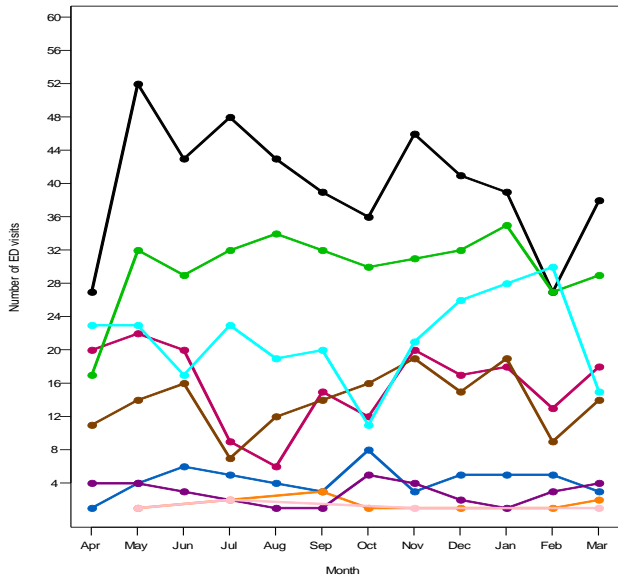
ED visit by month and diagnosis for fiscal year 2003/2004



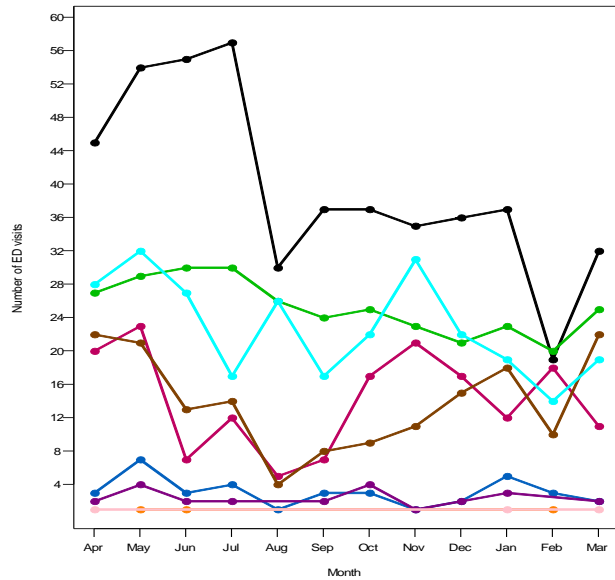
ED visit by month and diagnosis for fiscal year 2004/2005



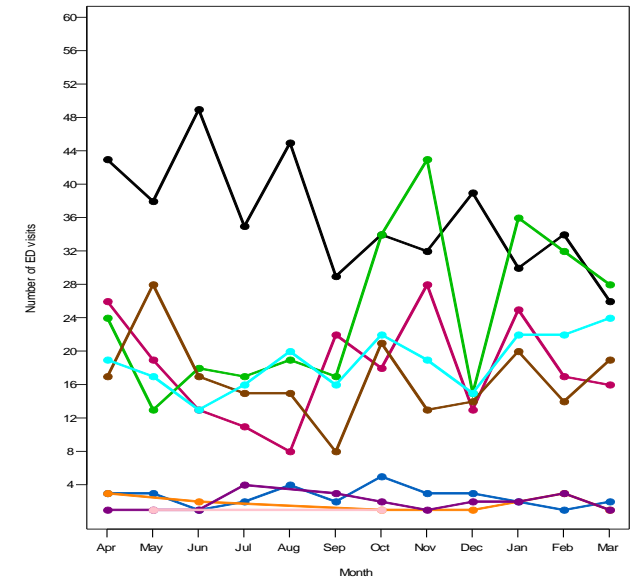
ED visit by month and diagnosis for fiscal year 2005/2006



ED visit by month and diagnosis for fiscal year 2006/2007



ED visit by month and diagnosis for fiscal year 2007/2008



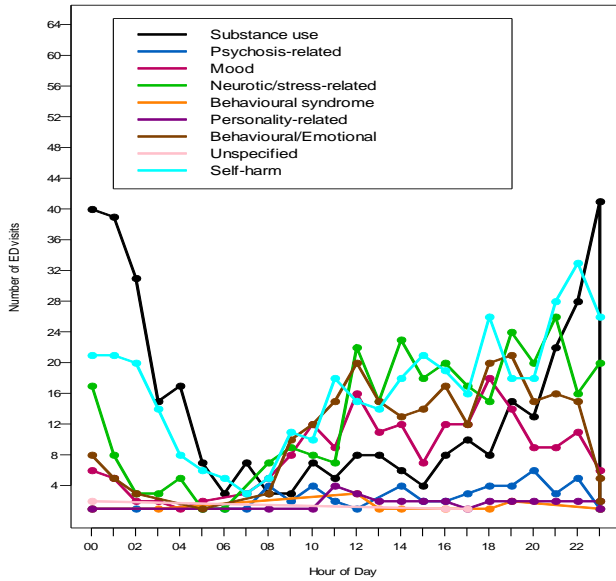
---

### *Time of presentation*

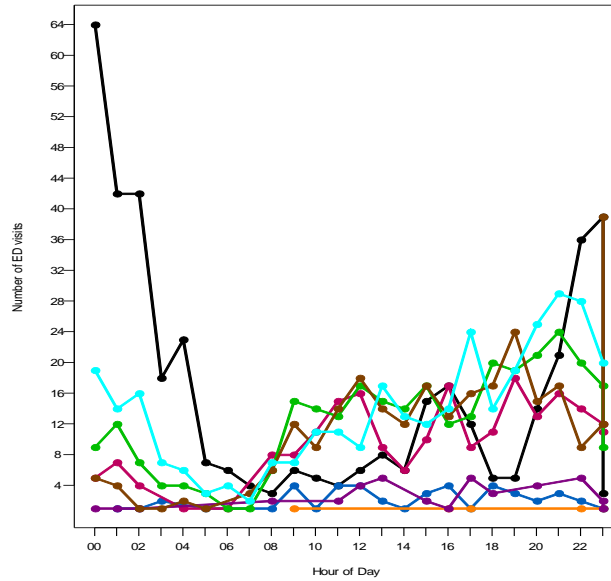
The plots on the following page show ED mental health visits by hour of the day and diagnosis for each fiscal year separately for Edmonton Zone. Note that for fiscal year 2003/2004, no ED visits were reported with the diagnosis “unspecified diagnosis”. Table 3 of the Appendix provides the frequency (n) and percentage (%) of ED mental health visits by hour of the day and diagnosis for each fiscal year and all years combined for Edmonton Zone. For some of the ED visits, time of presentation was not recorded but was included in the table.

*Interpretation:* ED visits were less frequent during the early hours of the day (from 4:00 a.m. to 9:00 a.m.) in Edmonton Zone. The ED visits which dominated during 23:00 p.m. to 5:00 a.m. were for mental and behavioural disorders due to substance use.

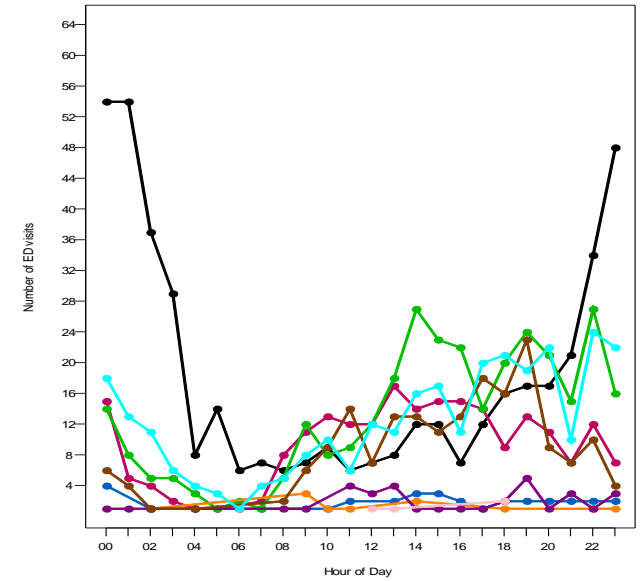
ED visit by hour and diagnosis for fiscal year 2002/2003



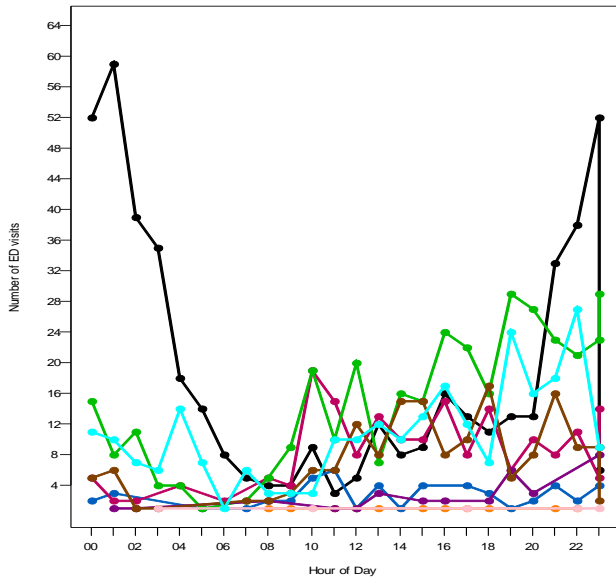
ED visit by hour and diagnosis for fiscal year 2003/2004



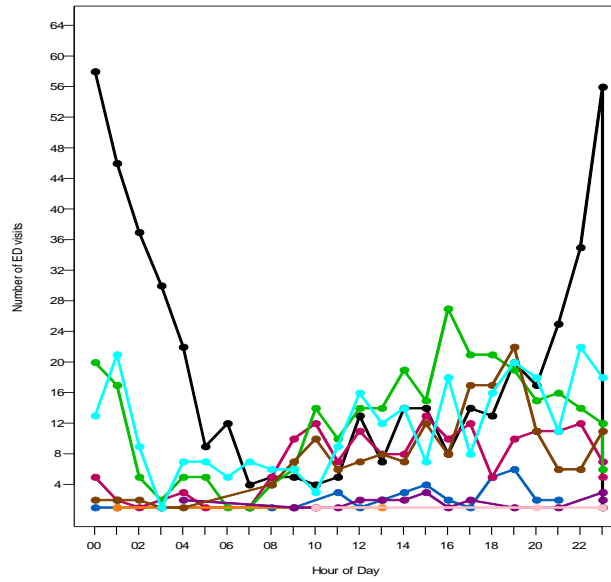
ED visit by hour and diagnosis for fiscal year 2004/2005



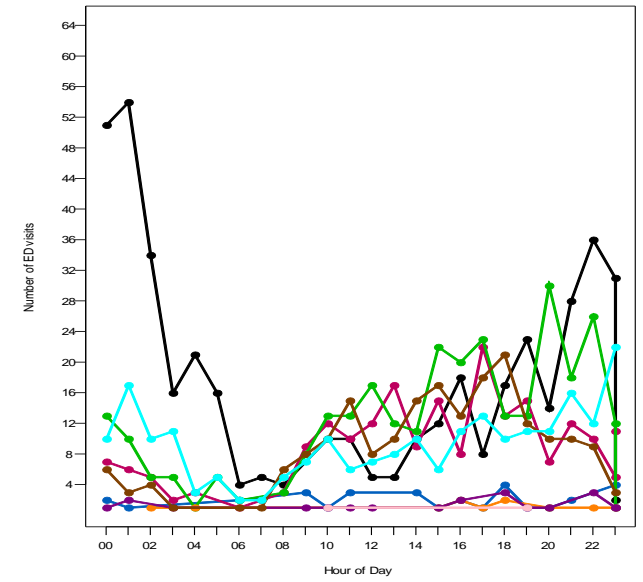
ED visit by hour and diagnosis for fiscal year 2005/2006



ED visit by hour and diagnosis for fiscal year 2006/2007



ED visit by hour and diagnosis for fiscal year 2007/2008



---

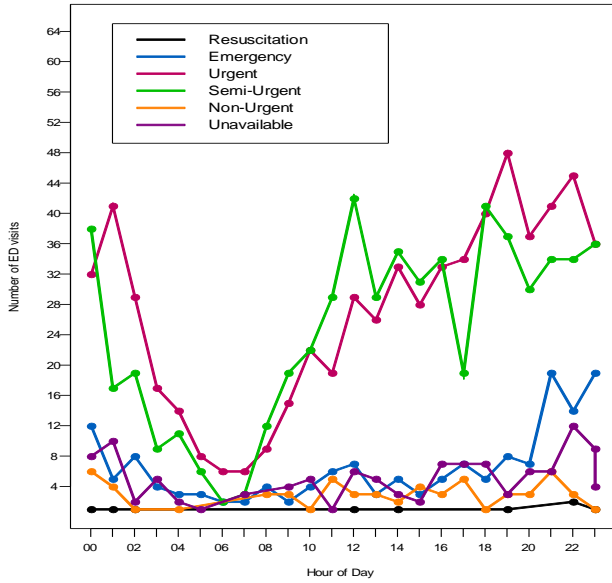
#### 4. Triage score (level of acuity) by time of day

The plots on the following page show ED mental health visits by hour of the day and triage level for each fiscal year separately for Edmonton Zone.

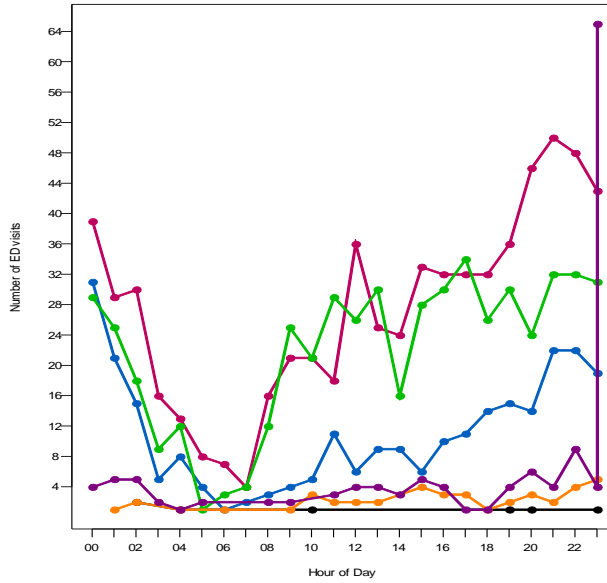
*Interpretation:* In Edmonton Zone, the acuity level of ED visits which dominated during the entire day was urgent except for those visits between 8:00 a.m. and 16:00 p.m. in 2002/2003 when the acuity level that dominated was semi-urgent. There was an overall increase in the number of ED visits for urgent acuity level after 4:00 a.m. Moreover, the number of ED visits for emergency acuity level was larger than semi-urgent acuity level on average only in 2007/2008.



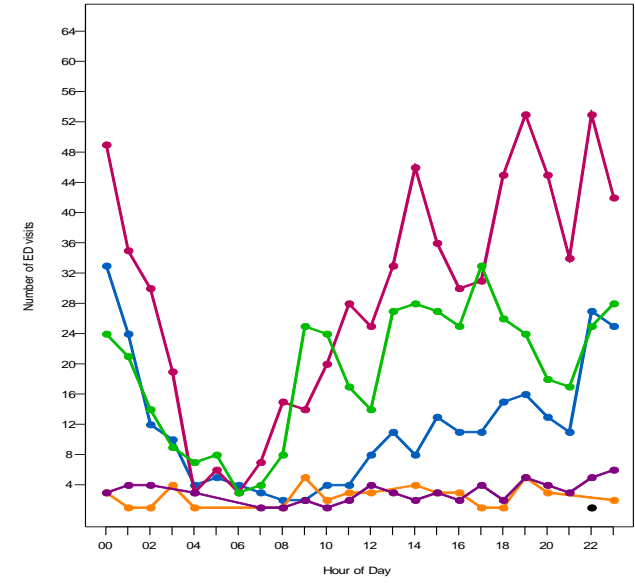
ED visit by hour and triage level for fiscal year 2002/2003



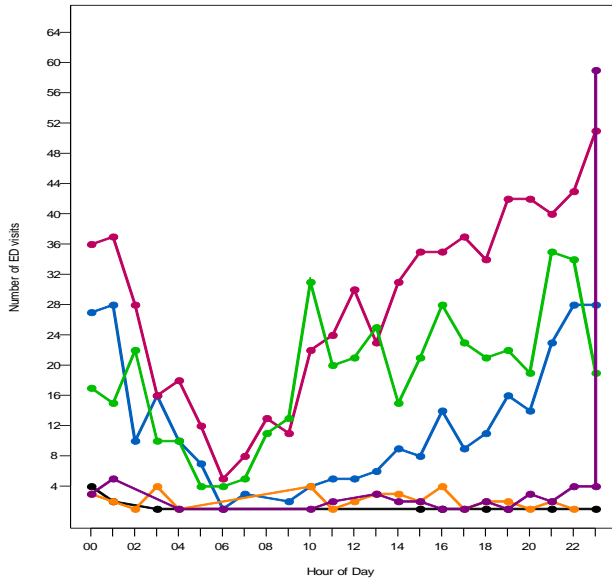
ED visit by hour and triage level for fiscal year 2003/2004



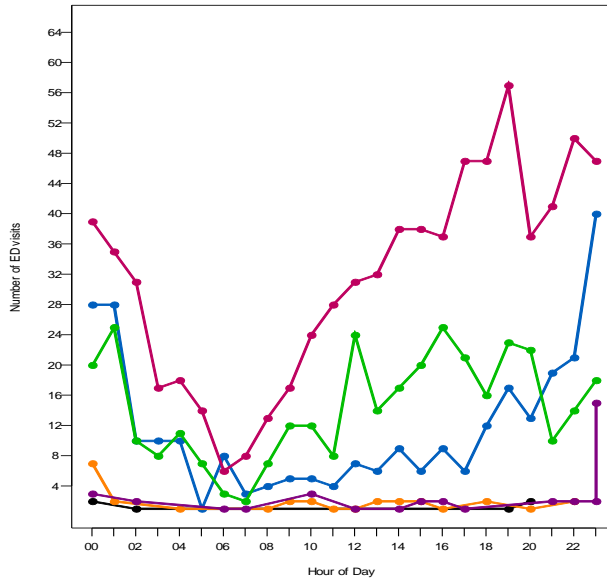
ED visit by hour and triage level for fiscal year 2004/2005



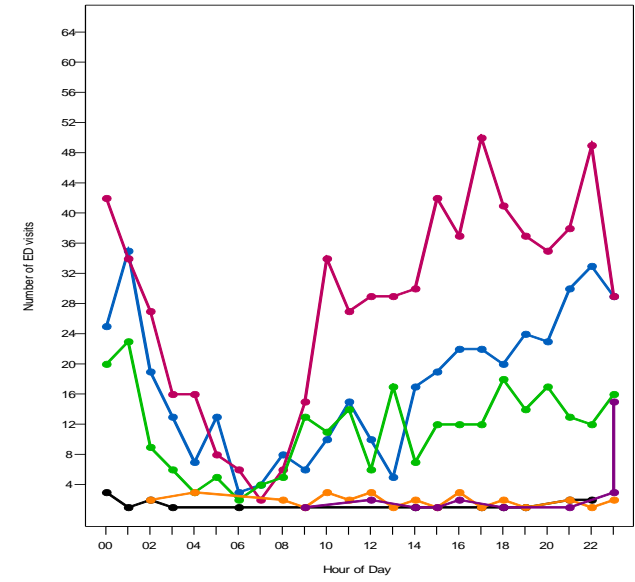
ED visit by hour and triage level for fiscal year 2005/2006



ED visit by hour and triage level for fiscal year 2006/2007



ED visit by hour and triage level for fiscal year 2007/2008



## 5. Where children are coming from for an ED visit (geographic distance)

The data file contained two geographic aspects: location of residence of patient and location of ED facility. These data were available at the sub-Regional Health Authority (subRHA) and recoded to correspond to RHA and Zone. To show the geographic distance, we created three tables of frequency (n) and percentage (%) of the ED mental health visits by:

- Residence Zone of Edmonton and facility Zones for each fiscal year and all years combined (Table 4);
- Residence RHA in Edmonton Zone and facility RHA in all Zones for each fiscal year and all years combined (Table 5);
- Residence subRHA in Edmonton Zone and facility subRHA in all Zones for each fiscal year and all years combined (Table 6).

Table 4 and Table 5 follow below, and Table 6 is provided in the Appendix. Note that we excluded ED visits where the patient had an unknown health region of residence. In Table 6, we only included those rows that have counts greater than five in at least one year.

*Interpretation:* In Table 4, 93.3% of the children from Edmonton Zone visited an ED located in their own Zone. In Table 5, 93.3% of the children from Edmonton Zone visited an ED located in their own RHA.

**Table 4**

| Residence Zone | Facility Zone | 02/03 | %    | 03/04 | %    | 04/05 | %    | 05/06 | %    | 06/07 | %    | 07/08 | %    | All  | %    |   |
|----------------|---------------|-------|------|-------|------|-------|------|-------|------|-------|------|-------|------|------|------|---|
| Edmonton       | n             | 1582  |      | 1642  |      | 1545  |      | 1551  |      | 1455  |      | 1437  |      | 9212 |      |   |
|                | Calgary       | -     | -    | -     | -    | -     | -    | 19    | 1.2  | -     | -    | 22    | 1.5  | 113  | 1.2  |   |
|                | Central       | 41    | 2.6  | 30    | 1.8  | 40    | 2.6  | 31    | 2.0  | 29    | 2.0  | 34    | 2.4  | 205  | 2.2  |   |
|                | Edmonton      | 1486  | 93.9 | 1536  | 93.5 | 1442  | 93.3 | 1442  | 93.0 | 1357  | 93.3 | 1334  | 92.8 | 8597 | 93.3 |   |
|                | North         | 41    | 2.6  | 49    | 3.0  | 41    | 2.7  | 51    | 3.3  | 52    | 3.6  | 47    | 3.3  | 281  | 3.1  |   |
|                | South         | -     | -    | -     | -    | -     | -    | -     | -    | -     | -    | -     | 0    | 0    | -    | - |
|                | Missing       | 0     | 0    | 0     | 0    | 0     | 0    | -     | -    | 0     | 0    | 0     | 0    | -    | -    |   |

Low counts (1 to 5) or other counts (and corresponding %) are replaced by ‘-’ for patient confidentiality.

**Table 5**

| Residence RHA     | Facility RHA                                | 02/03 | %    | 03/04 | %    | 04/05 | %    | 05/06 | %    | 06/07 | %    | 07/08 | %    | All  | %    |
|-------------------|---|-------|------|-------|------|-------|------|-------|------|-------|------|-------|------|------|------|
| R6 Capital Health | n   | 1582  |      | 1642  |      | 1545  |      | 1551  |      | 1455  |      | 1437  |      | 9212 |      |
|                   | R1 Chinook Regional Health Authority        | -     | -    | -     | -    | -     | -    | 7     | 0.5  | -     | -    | 0     | 0    | 14   | 0.2  |
|                   | R2 Palliser Health Region                   | 0     | 0    | -     | -    | 0     | 0    | 0     | 0    | 0     | 0    | 0     | 0    | -    | -    |
|                   | R3 Calgary Health Region                    | 11    | 0.7  | 25    | 1.5  | 21    | 1.4  | 19    | 1.2  | 15    | 1.0  | 22    | 1.5  | 113  | 1.2  |
|                   | R4 David Thompson Regional Health Authority | 32    | 2.0  | 24    | 1.5  | 26    | 1.7  | 15    | 1.0  | 20    | 1.4  | 20    | 1.4  | 137  | 1.5  |
|                   | R5 East Central Health                      | 9     | 0.6  | 6     | 0.4  | 14    | 0.9  | 16    | 1.0  | 9     | 0.6  | 14    | 1.0  | 68   | 0.7  |
|                   | R6 Capital Health                           | 1486  | 93.9 | 1536  | 93.5 | 1442  | 93.3 | 1442  | 93.0 | 1357  | 93.3 | 1334  | 92.8 | 8597 | 93.3 |
|                   | R7 Aspen Regional Health Authority          | 22    | 1.4  | 34    | 2.1  | 22    | 1.4  | 38    | 2.5  | 35    | 2.4  | 32    | 2.2  | 183  | 2.0  |
|                   | R8 Peace Country Health                     | 11    | 0.7  | 11    | 0.7  | -     | -    | 11    | 0.7  | 12    | 0.8  | -     | -    | 59   | 0.6  |
|                   | R9 Northern Lights Health Region            | -     | -    | -     | -    | 11    | 0.7  | -     | -    | -     | -    | 9     | 0.6  | 39   | 0.4  |
|                   | Missing                                     | 0     | 0    | 0     | 0    | 0     | 0    | -     | -    | 0     | 0    | 0     | 0    | -    | -    |

Low counts (1 to 5) or other counts (and corresponding %) are replaced by '-' for patient confidentiality.

## 6. Type of substance misuse and self-harm presentations

We created two tables of frequency (n) and percentage (%) of ED mental health visits by:

- Types of substance use (F10,F11,..., F19) for each fiscal year and all years combined for Edmonton Zone (Table 7);
- Types of self-harm (T71,X60-X69,X70-X84, Other, NA) within 10 ambulatory care diagnostic fields (Dx01, Dx02, ..., Dx10) for each fiscal year and all years combined for Edmonton Zone (Table 8).

Table 7 follows below and Table 8 is provided in the Appendix. Note that no ED visits had diagnosis F16 (Mental and behavioural disorders due to hallucinogens use). In Table 8, the number of ED visits where the main diagnosis was Asphyxiation was the largest in 2003/2004, and the visit number was very few in each of the other fiscal years (between 1 and 5).

*Interpretation:* In Table 7, there was an increase in the number of ED visits for mental and behavioural disorders due to alcohol use from 2002 to 2006 and a decrease from 2006 to 2008.

**Table 7**

| Diagnosis  | 02/03 | %    | 03/04 | %    | 04/05 | %    | 05/06 | %    | 06/07 | %    | 07/08 | %    | All  | %    |
|--|-------|------|-------|------|-------|------|-------|------|-------|------|-------|------|------|------|
| n  | 349   |      | 411   |      | 448   |      | 479   |      | 474   |      | 434   |      | 2595 |      |
| F10 Mental and behavioural disorders due to alcohol use                              | 239   | 68.5 | 317   | 77.1 | 327   | 73.0 | 368   | 76.8 | 360   | 75.9 | 326   | 75.1 | 1937 | 74.6 |
| F11 Mental and behavioural disorders due to opioids use                              | -     | -    | 6     | 1.5  | -     | -    | -     | -    | -     | -    | 0     | 0    | 26   | 1.0  |
| F12 Mental and behavioural disorders due to cannabinoids use                         | 27    | 7.7  | 16    | 3.9  | 35    | 7.8  | 30    | 6.3  | 31    | 6.5  | 25    | 5.8  | 164  | 6.3  |
| F13 Mental and behavioural disorders due to sedatives/hypnotics use                  | -     | -    | -     | -    | -     | -    | -     | -    | 0     | 0    | -     | -    | 13   | 0.5  |
| F14 Mental and behavioural disorders due to cocaine use                              | 12    | 3.4  | 11    | 2.7  | 17    | 3.8  | 24    | 5.0  | 26    | 5.5  | 26    | 6.0  | 116  | 4.5  |
| F15 Mental and behavioural disorders due to other stimulants use                     | 28    | 8.0  | 25    | 6.1  | 33    | 7.4  | 20    | 4.2  | 22    | 4.6  | 20    | 4.6  | 148  | 5.7  |
| F17 Mental and behavioural disorders due to tobacco use                              | 0     | 0    | -     | -    | -     | -    | 0     | 0    | 0     | 0    | 0     | 0    | -    | -    |
| F18 Mental and behavioural disorders due to volatile solvents use                    | 0     | 0    | 0     | 0    | -     | -    | 0     | 0    | -     | -    | -     | -    | -    | -    |
| F19 Mental and behavioural disorders due to multiple drug use and other psychoactive | 28    | 8.0  | 32    | 7.8  | 30    | 6.7  | 31    | 6.5  | 31    | 6.5  | 34    | 7.8  | 186  | 7.2  |

Low counts (1 to 5) or other counts (and corresponding %) are replaced by '-' for patient confidentiality.

## 7. Mental health visit trends by Aboriginal children in each Zone

We created a table of frequency (n) and percentage (%) of ED mental health visits for Aboriginal children by Zone for each fiscal year and all years combined. The column percentage (col%) provides the percent of ED visits among all Zones for the year. The row percentage (row%) provides the percent of ED visits for each year for a particular Zone.

**Table 9**

|            | Zone     | 02/03 | col% | row% | 03/04 | col% | row% | 04/05 | col% | row% | 05/06 | col% | row% | 06/07 | col% | row% | 07/08 | col% | row% | All  | col% |
|------------|----------|-------|------|------|-------|------|------|-------|------|------|-------|------|------|-------|------|------|-------|------|------|------|------|
| Aboriginal | n        | 581   |      |      | 627   |      |      | 725   |      |      | 740   |      |      | 791   |      |      | 766   |      |      | 4230 |      |
|            | Calgary  | 69    | 11.9 | 13.5 | 72    | 11.5 | 14.1 | 82    | 11.3 | 16.0 | 98    | 13.2 | 19.2 | 91    | 11.5 | 17.8 | 99    | 12.9 | 19.4 | 511  | 12.1 |
|            | Central  | 96    | 16.5 | 14.3 | 109   | 17.4 | 16.3 | 112   | 15.4 | 16.7 | 141   | 19.1 | 21.1 | 109   | 13.8 | 16.3 | 102   | 13.3 | 15.2 | 669  | 15.8 |
|            | Edmonton | 158   | 27.2 | 15.3 | 168   | 26.8 | 16.3 | 154   | 21.2 | 14.9 | 175   | 23.6 | 16.9 | 190   | 24.0 | 18.4 | 188   | 24.5 | 18.2 | 1033 | 24.4 |
|            | North    | 207   | 35.6 | 13.3 | 208   | 33.2 | 13.4 | 289   | 39.9 | 18.6 | 253   | 34.2 | 16.2 | 315   | 39.8 | 20.2 | 285   | 37.2 | 18.3 | 1557 | 36.8 |
|            | South    | 51    | 8.8  | 11.1 | 70    | 11.2 | 15.2 | 88    | 12.1 | 19.1 | 73    | 9.9  | 15.9 | 86    | 10.9 | 18.7 | 92    | 12.0 | 20.0 | 460  | 10.9 |

*Interpretation:* The number of ED mental health visits for Aboriginal children in Edmonton Zone was the largest in 2006/2007, and the smallest in 2004/2005.

## 8. Substance misuse, self-harm and Aboriginal children presentations in each subRHA

We created two tables of frequency (n) and percentage (%) of ED mental health visits for:

- Substance use and self-harm diagnoses by subRHA for each fiscal year and all years combined for Edmonton Zone (Table 10);
- Aboriginal children in each subRHA for each fiscal year and all years combined for Edmonton Zone (Table 11).

Table 10 is provided in the Appendix and Table 11 follows below.

**Table 11**

|                        | SubRHA                          | 02/03 | %    | 03/04 | %    | 04/05 | %    | 05/06 | %    | 06/07 | %    | 07/08 | %    | All  | %    |
|------------------------|---------------------------------|-------|------|-------|------|-------|------|-------|------|-------|------|-------|------|------|------|
| Aboriginal             | n                               | 158   |      | 168   |      | 154   |      | 175   |      | 190   |      | 188   |      | 1033 |      |
|                        | R601 St. Albert                 | -     | -    | 0     | 0    | 6     | 3.9  | -     | -    | 0     | 0    | -     | -    | 11   | 1.1  |
|                        | R602 Edmonton Castle Downs      | -     | -    | -     | -    | -     | -    | -     | -    | -     | -    | -     | -    | 17   | 1.6  |
|                        | R603 Edmonton Woodcroft         | 18    | 11.4 | 25    | 14.9 | 27    | 17.5 | 23    | 13.1 | 26    | 13.7 | 14    | 7.4  | 133  | 12.9 |
|                        | R604 Edmonton Eastwood          | 31    | 19.6 | 36    | 21.4 | 27    | 17.5 | 31    | 17.7 | 34    | 17.9 | 38    | 20.2 | 197  | 19.1 |
|                        | R605 Edmonton North Central     | 7     | 4.4  | 8     | 4.8  | 9     | 5.8  | 11    | 6.3  | 18    | 9.5  | 14    | 7.4  | 67   | 6.5  |
|                        | R606 Edmonton North East        | 31    | 19.6 | 30    | 17.9 | 22    | 14.3 | 28    | 16.0 | 16    | 8.4  | 32    | 17.0 | 159  | 15.4 |
|                        | R607 Edmonton Bonnie Doon       | -     | -    | 10    | 6.0  | 8     | 5.2  | -     | -    | -     | -    | 14    | 7.4  | 41   | 4.0  |
|                        | R608 Edmonton West Jasper Place | 12    | 7.6  | 12    | 7.1  | 10    | 6.5  | 19    | 10.9 | 22    | 11.6 | 10    | 5.3  | 85   | 8.2  |
|                        | R609 Edmonton Twin Brooks       | -     | -    | -     | -    | 8     | 5.2  | 13    | 7.4  | 6     | 3.2  | -     | -    | 36   | 3.5  |
|                        | R612 Edmonton Mill Woods        | 17    | 10.8 | 15    | 8.9  | 10    | 6.5  | 13    | 7.4  | 15    | 7.9  | 11    | 5.9  | 81   | 7.8  |
|                        | R613 Sherwood Park              | 0     | 0    | -     | -    | 0     | 0    | -     | -    | -     | -    | 7     | 3.7  | 12   | 1.2  |
|                        | R614 Strathcona County          | 0     | 0    | 0     | 0    | -     | -    | 0     | 0    | -     | -    | -     | -    | -    | -    |
|                        | R615 Thorsby                    | 0     | 0    | 0     | 0    | -     | -    | 0     | 0    | 0     | 0    | 0     | 0    | -    | -    |
|                        | R616 Leduc Office               | 0     | 0    | 0     | 0    | 0     | 0    | -     | -    | 0     | 0    | 0     | 0    | -    | -    |
|                        | R617 Beaumont                   | 0     | 0    | -     | -    | -     | -    | -     | -    | -     | -    | -     | -    | 8    | 0.8  |
|                        | R618 Westview                   | 25    | 15.8 | 18    | 10.7 | 13    | 8.4  | 20    | 11.4 | 25    | 13.2 | 29    | 15.4 | 130  | 12.6 |
| R619 Sturgeon County   | -                               | -     | -    | -     | 6    | 3.9   | 6    | 3.4   | 16   | 8.4   | 7    | 3.7   | 42   | 4.1  |      |
| R620 Fort Saskatchewan | -                               | -     | -    | -     | -    | -     | 0    | 0     | -    | -     | -    | -     | 9    | 0.9  |      |

Counts between 1 and 5 (and corresponding %) are replaced by '-' for patient confidentiality.

*Interpretation:* The highest ED mental health visit frequencies for mental and behavioural disorders due to substance use were in Edmonton North East and Edmonton Mill Woods regions; the highest frequency for self-harm was in Edmonton North East region. The lowest ED mental health visit frequencies for mental and behavioural disorders due to substance use and self-harm were both in Thorsby region. The highest ED mental health visit frequency for Aboriginal children was in Edmonton Eastwood region.

## 9. Number of transfers in each subRHA

We created a table of frequency (n) and percentage (%) of ED mental health visits to illustrate whether children were transferred from the ED to other facilities in subRHAs for each fiscal year and all years combined for Edmonton Zone.

**Table 12**

|                        | SubRHA                          | 02/03 | %    | 03/04 | %    | 04/05 | %    | 05/06 | % | 06/07 | % | 07/08 | %    | All | %    |
|------------------------|---------------------------------|-------|------|-------|------|-------|------|-------|---|-------|---|-------|------|-----|------|
| Transferred            | n                               | 49    |      | 63    |      | 42    |      | 40    |   | 29    |   | 53    |      | 276 |      |
|                        | R601 St. Albert                 | -     | -    | -     | -    | -     | -    | -     | - | -     | - | -     | -    | 16  | 5.8  |
|                        | R602 Edmonton Castle Downs      | -     | -    | -     | -    | -     | -    | -     | - | -     | - | -     | -    | 11  | 4.0  |
|                        | R603 Edmonton Woodcroft         | -     | -    | 8     | 12.7 | -     | -    | -     | - | -     | - | -     | -    | 21  | 7.6  |
|                        | R604 Edmonton Eastwood          | -     | -    | -     | -    | -     | -    | -     | - | -     | - | -     | -    | 12  | 4.3  |
|                        | R605 Edmonton North Central     | -     | -    | -     | -    | -     | -    | -     | - | 0     | 0 | 6     | 11.3 | 22  | 8.0  |
|                        | R606 Edmonton North East        | 6     | 12.2 | 10    | 15.9 | 7     | 16.7 | -     | - | -     | - | -     | -    | 36  | 13.0 |
|                        | R607 Edmonton Bonnie Doon       | 0     | 0    | 6     | 9.5  | -     | -    | -     | - | -     | - | 6     | 11.3 | 17  | 6.2  |
|                        | R608 Edmonton West Jasper Place | -     | -    | -     | -    | 7     | 16.7 | -     | - | 0     | 0 | 6     | 11.3 | 20  | 7.2  |
|                        | R609 Edmonton Twin Brooks       | -     | -    | -     | -    | -     | -    | -     | - | -     | - | -     | -    | 17  | 6.2  |
|                        | R612 Edmonton Mill Woods        | 6     | 12.2 | 8     | 12.7 | -     | -    | -     | - | -     | - | -     | -    | 30  | 10.9 |
|                        | R613 Sherwood Park              | -     | -    | -     | -    | -     | -    | -     | - | 0     | 0 | -     | -    | 6   | 2.2  |
|                        | R614 Strathcona County          | 0     | 0    | 0     | 0    | -     | -    | -     | - | -     | - | -     | -    | 6   | 2.2  |
|                        | R616 Leduc Office               | -     | -    | 0     | 0    | 0     | 0    | -     | - | 0     | 0 | -     | -    | 6   | 2.2  |
|                        | R617 Beaumont                   | -     | -    | -     | -    | 0     | 0    | -     | - | -     | - | 0     | 0    | 6   | 2.2  |
|                        | R618 Westview                   | 7     | 14.3 | 7     | 11.1 | -     | -    | -     | - | -     | - | -     | -    | 29  | 10.5 |
|                        | R619 Sturgeon County            | -     | -    | -     | -    | -     | -    | -     | - | 0     | 0 | -     | -    | 8   | 2.9  |
| R620 Fort Saskatchewan | -                               | -     | -    | -     | -    | -     | 6    | 15.0  | - | -     | 0 | 0     | 13   | 4.7 |      |

Counts between 1 and 5 (and corresponding %) are replaced by '-' for patient confidentiality.

*Interpretation:* The highest frequency of ED mental health visit transfers was in Edmonton North East region.

## 10. Type of physician follow-up visits (post-ED visit) in each Zone

We created a table of frequency (n) and percentage (%) of follow-up visits by Zone and specialty.

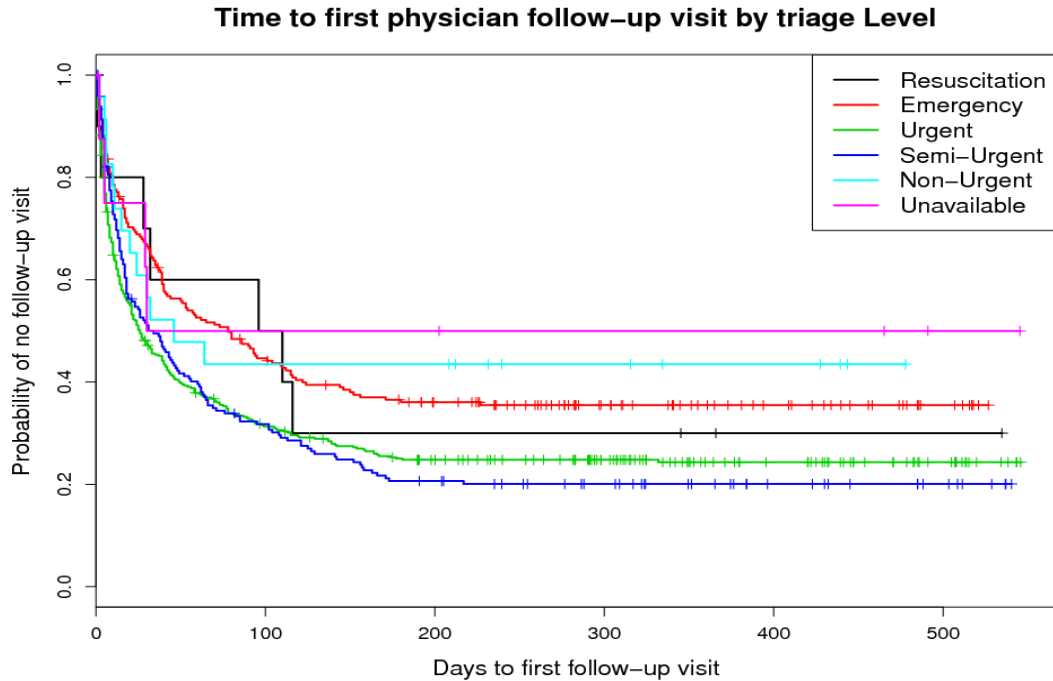
*Interpretation:* In Edmonton Zone, the number of follow-up visits to general practitioners was the largest, and to pediatricians was the smallest.

**Table 13**

| Zone     | GP   | %    | PED | %    | PSYC | %    | Other | %    | Missing | %    |
|----------|------|------|-----|------|------|------|-------|------|---------|------|
| n        | 1657 |      | 140 |      | 457  |      | 224   |      | 959     |      |
| Calgary  | 424  | 25.6 | 75  | 53.6 | 123  | 26.9 | 62    | 27.7 | 269     | 28.1 |
| Central  | 310  | 18.7 | 11  | 7.9  | 53   | 11.6 | 24    | 10.7 | 142     | 14.8 |
| Edmonton | 343  | 20.7 | 34  | 24.3 | 186  | 40.7 | 83    | 37.1 | 274     | 28.6 |
| North    | 417  | 25.2 | 9   | 6.4  | 60   | 13.1 | 37    | 16.5 | 196     | 20.4 |
| South    | 163  | 9.8  | 11  | 7.9  | 35   | 7.7  | 18    | 8.0  | 78      | 8.1  |

**11. Triage score (level of acuity) at ED index visit (first ED visit) by physician follow-up visit**

We plotted time to first physician follow-up visit by triage level for Edmonton Zone.



---

The Kaplan-Meier (K-M) curve shown in the graph is the probability that the event of interest occurs after a given time. At 0 days, 100% of patients did not have a follow-up visit with a physician after their ED visit.

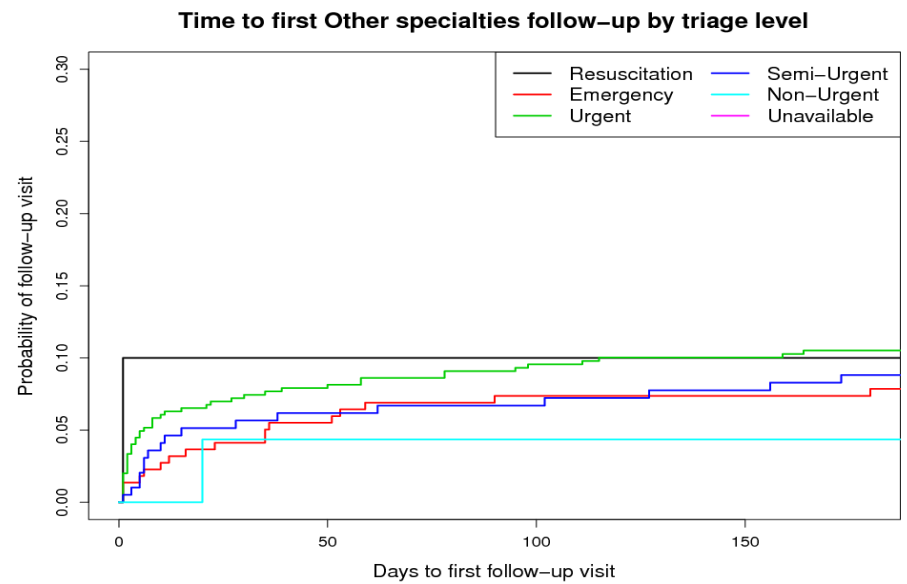
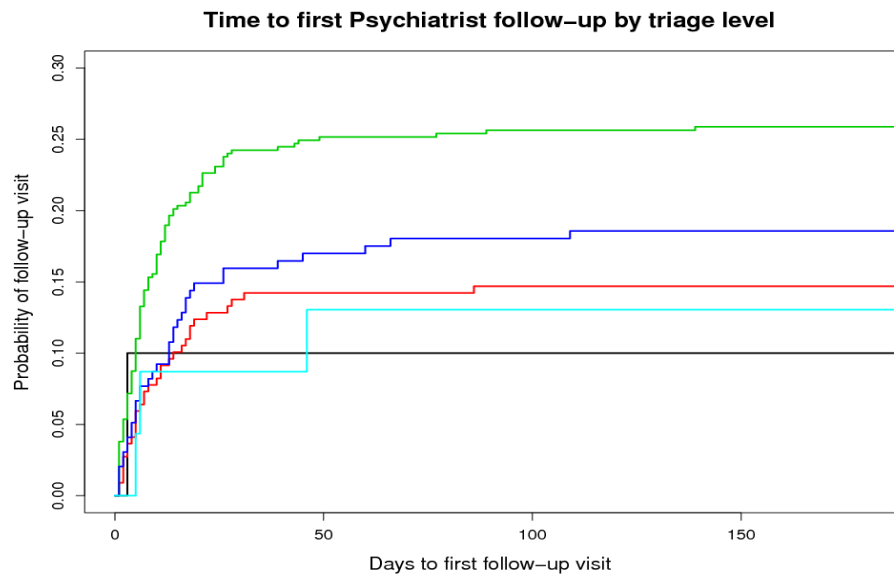
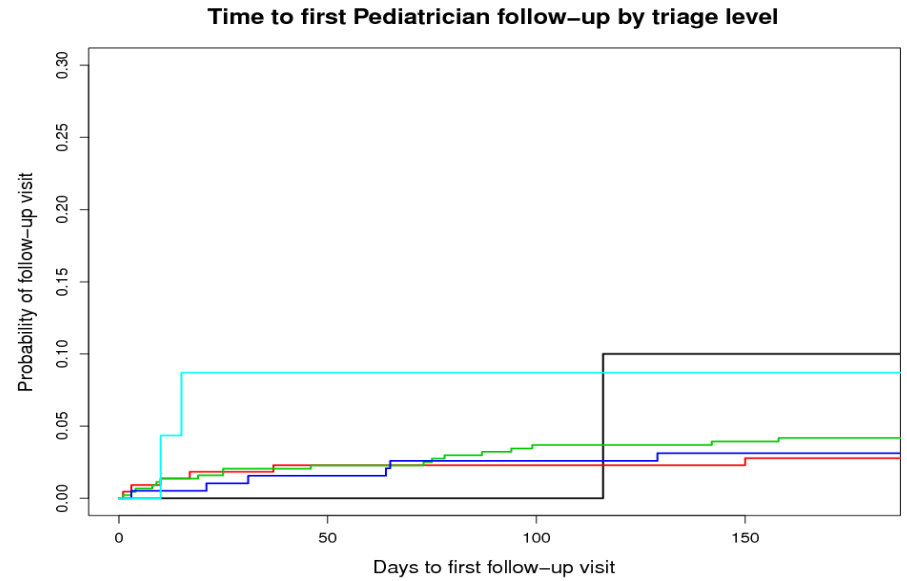
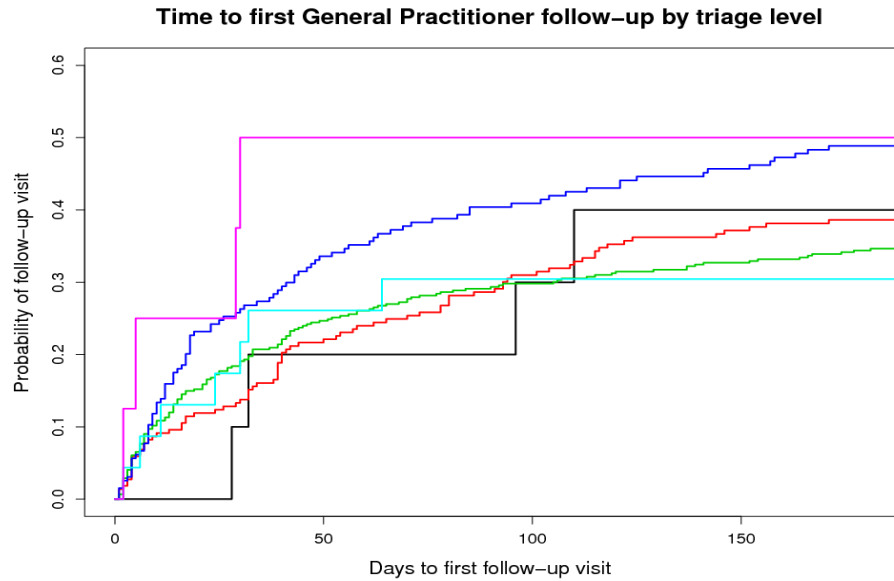
*Interpretation:* Except for children with an ED triage of urgent and semi-urgent, more urgent ED visits were more likely to have physician follow-up visit within 180 days in Edmonton Zone.

## **12. Triage score (level of acuity) at ED index visit (first ED visit) by time to physician follow-up and type**

We plotted time to first physician follow-up visit by triage level for each specialty for Edmonton Zone. The curves shown in these following graphs are the probabilities that the event of interest occurs before a given time. For some triage levels, patients did not have any follow-up with physicians of certain specialities.

*Interpretation:* Among the four physician types, children in Edmonton Zone were most likely to follow up to general practitioners within 150 days after their first ED visits (probabilities between 0.3 and 0.5).





---

### **13. Disclaimer**

This study is based in part on data provided by Alberta Health. The interpretation and conclusions contained herein are those of the researchers and do not necessarily represent the views of the Government of Alberta. Neither the Government nor Alberta Health expresses any opinion in relation to this study.

---

## Appendix

Mental health diagnostic codes table and additional lengthy tables are provided in this Appendix.

**Table: Diagnostic ICD-10-CA codes for the case definition of mental health.**

| Short Title             | Code                            | Classification  |
|-------------------------|---------------------------------|---|
| Substance use           | F10.x, ..., F19.x               | Mental and behavioural disorders due to psychoactive substance use                    |
| Psychosis-related       | F20.x, ..., F29.x               | Schizophrenia, schizotypal and delusional disorders                                   |
| Mood                    | F30.x, ..., F34.x, F38.x, F39.x | Mood disorders  |
| Neurotic/stress-related | F40.x, ..., F43.x               | Neurotic, stress-related and somatoform disorders                                     |
| Behavioural syndrome    | F50.x, F55.x, F59.x             | Behavioural syndromes associated with physiological disturbances and physical factors |
| Personality-related     | F60.x, ..., F69.x               | Disorders of adult personality and behaviour  |
| Behavioural/Emotional   | F90.x, ..., F94.x               | Behavioural/emotional disorders   |
| Unspecified             | F99                             | Unspecified mental disorder   |
| Self-harm               | T71, X60, ..., X84              | Intentional self-harm   |

**Table 2: Frequency (n) and percentage (%) of ED visits for Edmonton Zone by month of year and diagnosis for each fiscal year separately and all years combined.**

| Month     | Diagnosis               | 02/03 | %    | 03/04 | %    | 04/05 | %    | 05/06 | %    | 06/07 | %    | 07/08 | %    | All  | %    |
|-----------|-------------------------|-------|------|-------|------|-------|------|-------|------|-------|------|-------|------|------|------|
| Apr       | n                       | 152   |      | 142   |      | 125   |      | 103   |      | 148   |      | 136   |      | 806  |      |
|           | Substance use           | 24    | 15.8 | 35    | 24.6 | 34    | 27.2 | 27    | 26.2 | 45    | 30.4 | 43    | 31.6 | 208  | 25.8 |
|           | Psychosis-related       | -     | -    | -     | -    | -     | -    | -     | -    | -     | -    | -     | -    | 17   | 2.1  |
|           | Mood                    | 21    | 13.8 | 27    | 19.0 | 16    | 12.8 | 20    | 19.4 | 20    | 13.5 | 26    | 19.1 | 130  | 16.1 |
|           | Neurotic/stress-related | 29    | 19.1 | 28    | 19.7 | 19    | 15.2 | 17    | 16.5 | 27    | 18.2 | 24    | 17.6 | 144  | 17.9 |
|           | Behavioural syndrome    | -     | -    | -     | -    | 0     | 0    | 0     | 0    | 0     | 0    | -     | -    | -    | -    |
|           | Personality-related     | 0     | 0    | -     | -    | -     | -    | -     | -    | -     | -    | -     | -    | 14   | 1.7  |
|           | Behavioural/Emotional   | 31    | 20.4 | 13    | 9.2  | 20    | 16.0 | 11    | 10.7 | 22    | 14.9 | 17    | 12.5 | 114  | 14.1 |
|           | Unspecified             | 0     | 0    | 0     | 0    | 0     | 0    | 0     | 0    | -     | -    | 0     | 0    | -    | -    |
| Self-harm | 43                      | 28.3  | 32   | 22.5  | 27   | 21.6  | 23   | 22.3  | 28   | 18.9  | 19   | 14.0  | 172  | 21.3 |      |
| May       | n                       | 156   |      | 120   |      | 164   |      | 153   |      | 171   |      | 120   |      | 884  |      |
|           | Substance use           | 45    | 28.8 | 26    | 21.7 | 59    | 36.0 | 52    | 34.0 | 54    | 31.6 | 38    | 31.7 | 274  | 31.0 |
|           | Psychosis-related       | -     | -    | -     | -    | -     | -    | -     | -    | 7     | 4.1  | -     | -    | 29   | 3.3  |
|           | Mood                    | 13    | 8.3  | 16    | 13.3 | 22    | 13.4 | 22    | 14.4 | 23    | 13.5 | 19    | 15.8 | 115  | 13.0 |
|           | Neurotic/stress-related | 27    | 17.3 | 21    | 17.5 | 33    | 20.1 | 32    | 20.9 | 29    | 17.0 | 13    | 10.8 | 155  | 17.5 |
|           | Behavioural syndrome    | -     | -    | 0     | 0    | -     | -    | -     | -    | -     | -    | 0     | 0    | -    | -    |
|           | Personality-related     | -     | -    | -     | -    | -     | -    | -     | -    | -     | -    | -     | -    | 20   | 2.3  |
|           | Behavioural/Emotional   | 25    | 16.0 | 15    | 12.5 | 20    | 12.2 | 14    | 9.2  | 21    | 12.3 | 28    | 23.3 | 123  | 13.9 |
|           | Unspecified             | -     | -    | 0     | 0    | 0     | 0    | -     | -    | 0     | 0    | -     | -    | -    | -    |
| Self-harm | 36                      | 23.1  | 32   | 26.7  | 21   | 12.8  | 23   | 15.0  | 32   | 18.7  | 17   | 14.2  | 161  | 18.2 |      |
| Jun       | n                       | 117   |      | 168   |      | 133   |      | 134   |      | 138   |      | 114   |      | 804  |      |
|           | Substance use           | 28    | 23.9 | 46    | 27.4 | 37    | 27.8 | 43    | 32.1 | 55    | 39.9 | 49    | 43.0 | 258  | 32.1 |
|           | Psychosis-related       | -     | -    | -     | -    | -     | -    | -     | -    | -     | -    | -     | -    | 21   | 2.6  |
|           | Mood                    | 8     | 6.8  | 22    | 13.1 | 20    | 15.0 | 20    | 14.9 | 7     | 5.1  | 13    | 11.4 | 90   | 11.2 |
|           | Neurotic/stress-related | 23    | 19.7 | 29    | 17.3 | 24    | 18.0 | 29    | 21.6 | 30    | 21.7 | 18    | 15.8 | 153  | 19.0 |
|           | Behavioural syndrome    | 0     | 0    | 0     | 0    | 0     | 0    | 0     | 0    | -     | -    | -     | -    | -    | -    |
|           | Personality-related     | -     | -    | -     | -    | -     | -    | -     | -    | -     | -    | -     | -    | -    | -    |
|           | Behavioural/Emotional   | 14    | 12.0 | 32    | 19.0 | 23    | 17.3 | 16    | 11.9 | 13    | 9.4  | 17    | 14.9 | 115  | 14.3 |
|           | Unspecified             | 0     | 0    | 0     | 0    | 0     | 0    | 0     | 0    | 0     | 0    | 0     | 0    | 0    | 0    |
| Self-harm | 39                      | 33.3  | 32   | 19.0  | 25   | 18.8  | 17   | 12.7  | 27   | 19.6  | 13   | 11.4  | 153  | 19.0 |      |
| Jul       | n                       | 124   |      | 92    |      | 110   |      | 128   |      | 136   |      | 100   |      | 690  |      |
|           | Substance use           | 36    | 29.0 | 20    | 21.7 | 35    | 31.8 | 48    | 37.5 | 57    | 41.9 | 35    | 35.0 | 231  | 33.5 |
|           | Psychosis-related       | -     | -    | -     | -    | -     | -    | -     | -    | -     | -    | -     | -    | 23   | 3.3  |
|           | Mood                    | 7     | 5.6  | 13    | 14.1 | 9     | 8.2  | 9     | 7.0  | 12    | 8.8  | 11    | 11.0 | 61   | 8.8  |

| Month       | Diagnosis               | 02/03 | %    | 03/04 | %    | 04/05 | %    | 05/06 | %    | 06/07 | %    | 07/08 | %    | All  | %    |
|-------------|-------------------------|-------|------|-------|------|-------|------|-------|------|-------|------|-------|------|------|------|
|             | Neurotic/stress-related | 24    | 19.4 | 20    | 21.7 | 21    | 19.1 | 32    | 25.0 | 30    | 22.1 | 17    | 17.0 | 144  | 20.9 |
|             | Behavioural syndrome    | 0     | 0    | 0     | 0    | -     | -    | -     | -    | 0     | 0    | 0     | 0    | -    | -    |
|             | Personality-related     | -     | -    | -     | -    | -     | -    | 0     | 0    | -     | -    | -     | -    | 14   | 2.0  |
|             | Behavioural/Emotional   | 18    | 14.5 | 16    | 17.4 | 12    | 10.9 | 7     | 5.5  | 14    | 10.3 | 15    | 15.0 | 82   | 11.9 |
|             | Unspecified             | 0     | 0    | 0     | 0    | 0     | 0    | -     | -    | 0     | 0    | 0     | 0    | -    | -    |
|             | Self-harm               | 32    | 25.8 | 15    | 16.3 | 24    | 21.8 | 23    | 18.0 | 17    | 12.5 | 16    | 16.0 | 127  | 18.4 |
| Aug         | n                       | 132   |      | 102   |      | 113   |      | 119   |      | 92    |      | 111   |      | 669  |      |
|             | Substance use           | 27    | 20.5 | 27    | 26.5 | 40    | 35.4 | 43    | 36.1 | 30    | 32.6 | 45    | 40.5 | 212  | 31.7 |
|             | Psychosis-related       | 9     | 6.8  | -     | -    | -     | -    | -     | -    | -     | -    | -     | -    | 21   | 3.1  |
|             | Mood                    | 16    | 12.1 | 9     | 8.8  | 14    | 12.4 | 6     | 5.0  | -     | -    | -     | -    | 58   | 8.7  |
|             | Neurotic/stress-related | 25    | 18.9 | 30    | 29.4 | 20    | 17.7 | 34    | 28.6 | 26    | 28.3 | 19    | 17.1 | 154  | 23.0 |
|             | Behavioural syndrome    | -     | -    | -     | -    | -     | -    | 0     | 0    | 0     | 0    | 0     | 0    | -    | -    |
|             | Personality-related     | -     | -    | -     | -    | -     | -    | -     | -    | 0     | 0    | 0     | 0    | 7    | 1.0  |
|             | Behavioural/Emotional   | 20    | 15.2 | 15    | 14.7 | -     | -    | 12    | 10.1 | -     | -    | 15    | 13.5 | 76   | 11.4 |
|             | Unspecified             | -     | -    | 0     | 0    | 0     | 0    | 0     | 0    | 0     | 0    | 0     | 0    | -    | -    |
| Self-harm   | 32                      | 24.2  | 16   | 15.7  | 24   | 21.2  | 19   | 16.0  | 26   | 28.3  | 20   | 18.0  | 137  | 20.5 |      |
| Sep         | n                       | 137   |      | 132   |      | 121   |      | 127   |      | 98    |      | 97    |      | 712  |      |
|             | Substance use           | 37    | 27.0 | 32    | 24.2 | 32    | 26.4 | 39    | 30.7 | 37    | 37.8 | 29    | 29.9 | 206  | 28.9 |
|             | Psychosis-related       | -     | -    | -     | -    | -     | -    | -     | -    | -     | -    | -     | -    | 20   | 2.8  |
|             | Mood                    | 15    | 10.9 | 20    | 15.2 | 16    | 13.2 | 15    | 11.8 | 7     | 7.1  | 22    | 22.7 | 95   | 13.3 |
|             | Neurotic/stress-related | 31    | 22.6 | 27    | 20.5 | 28    | 23.1 | 32    | 25.2 | 24    | 24.5 | 17    | 17.5 | 159  | 22.3 |
|             | Behavioural syndrome    | 0     | 0    | 0     | 0    | 0     | 0    | -     | -    | 0     | 0    | 0     | 0    | -    | -    |
|             | Personality-related     | -     | -    | -     | -    | -     | -    | -     | -    | -     | -    | -     | -    | -    | -    |
|             | Behavioural/Emotional   | 16    | 11.7 | 21    | 15.9 | 19    | 15.7 | 14    | 11.0 | 8     | 8.2  | 8     | 8.2  | 86   | 12.1 |
|             | Unspecified             | 0     | 0    | 0     | 0    | 0     | 0    | 0     | 0    | 0     | 0    | 0     | 0    | 0    | 0    |
| Self-harm   | 28                      | 20.4  | 27   | 20.5  | 21   | 17.4  | 20   | 15.7  | 17   | 17.3  | 16   | 16.5  | 129  | 18.1 |      |
| Oct         | n                       | 131   |      | 125   |      | 146   |      | 119   |      | 117   |      | 138   |      | 776  |      |
|             | Substance use           | 30    | 22.9 | 37    | 29.6 | 54    | 37.0 | 36    | 30.3 | 37    | 31.6 | 34    | 24.6 | 228  | 29.4 |
|             | Psychosis-related       | -     | -    | -     | -    | -     | -    | 8     | 6.7  | -     | -    | -     | -    | 21   | 2.7  |
|             | Mood                    | 28    | 21.4 | 11    | 8.8  | 16    | 11.0 | 12    | 10.1 | 17    | 14.5 | 18    | 13.0 | 102  | 13.1 |
|             | Neurotic/stress-related | 19    | 14.5 | 18    | 14.4 | 31    | 21.2 | 30    | 25.2 | 25    | 21.4 | 34    | 24.6 | 157  | 20.2 |
|             | Behavioural syndrome    | -     | -    | -     | -    | -     | -    | -     | -    | 0     | 0    | -     | -    | -    | -    |
|             | Personality-related     | -     | -    | -     | -    | -     | -    | -     | -    | -     | -    | -     | -    | 22   | 2.8  |
|             | Behavioural/Emotional   | 22    | 16.8 | 25    | 20.0 | 9     | 6.2  | 16    | 13.4 | 9     | 7.7  | 21    | 15.2 | 102  | 13.1 |
| Unspecified | -                       | -     | 0    | 0     | 0    | 0     | 0    | 0     | 0    | 0     | -    | -     | -    | -    |      |

| Month | Diagnosis               | 02/03 | %    | 03/04 | %    | 04/05 | %    | 05/06 | %    | 06/07 | %    | 07/08 | %    | All  | %    |     |
|-------|-------------------------|-------|------|-------|------|-------|------|-------|------|-------|------|-------|------|------|------|-----|
| Nov   | Self-harm               | 26    | 19.8 | 25    | 20.0 | 30    | 20.5 | 11    | 9.2  | 22    | 18.8 | 22    | 15.9 | 136  | 17.5 |     |
|       | n                       | 122   |      | 139   |      | 147   |      | 145   |      | 123   |      | 139   |      | 815  |      |     |
|       | Substance use           | 25    | 20.5 | 29    | 20.9 | 36    | 24.5 | 46    | 31.7 | 35    | 28.5 | 32    | 23.0 | 203  | 24.9 |     |
|       | Psychosis-related       | 6     | 4.9  | -     | -    | -     | -    | -     | -    | -     | -    | -     | -    | 16   | 2.0  |     |
|       | Mood                    | 13    | 10.7 | 21    | 15.1 | 31    | 21.1 | 20    | 13.8 | 21    | 17.1 | 28    | 20.1 | 134  | 16.4 |     |
|       | Neurotic/stress-related | 25    | 20.5 | 30    | 21.6 | 30    | 20.4 | 31    | 21.4 | 23    | 18.7 | 43    | 30.9 | 182  | 22.3 |     |
|       | Behavioural syndrome    | -     | -    | -     | -    | -     | -    | 0     | 0    | 0     | 0    | 0     | 0    | 0    | -    | -   |
|       | Personality-related     | -     | -    | -     | -    | 6     | 4.1  | -     | -    | -     | -    | -     | -    | -    | 19   | 2.3 |
|       | Behavioural/Emotional   | 18    | 14.8 | 23    | 16.5 | 15    | 10.2 | 19    | 13.1 | 11    | 8.9  | 13    | 9.4  | 99   | 12.1 |     |
|       | Unspecified             | 0     | 0    | 0     | 0    | 0     | 0    | -     | -    | 0     | 0    | 0     | 0    | -    | -    |     |
| Dec   | Self-harm               | 29    | 23.8 | 31    | 22.3 | 27    | 18.4 | 21    | 14.5 | 31    | 25.2 | 19    | 13.7 | 158  | 19.4 |     |
|       | n                       | 122   |      | 143   |      | 114   |      | 139   |      | 115   |      | 102   |      | 735  |      |     |
|       | Substance use           | 27    | 22.1 | 35    | 24.5 | 28    | 24.6 | 41    | 29.5 | 36    | 31.3 | 39    | 38.2 | 206  | 28.0 |     |
|       | Psychosis-related       | -     | -    | -     | -    | 0     | 0    | -     | -    | -     | -    | -     | -    | 18   | 2.4  |     |
|       | Mood                    | 14    | 11.5 | 20    | 14.0 | 17    | 14.9 | 17    | 12.2 | 17    | 14.8 | 13    | 12.7 | 98   | 13.3 |     |
|       | Neurotic/stress-related | 29    | 23.8 | 20    | 14.0 | 28    | 24.6 | 32    | 23.0 | 21    | 18.3 | 15    | 14.7 | 145  | 19.7 |     |
|       | Behavioural syndrome    | -     | -    | 0     | 0    | -     | -    | -     | -    | 0     | 0    | -     | -    | -    | -    |     |
|       | Personality-related     | 0     | 0    | -     | -    | -     | -    | -     | -    | -     | -    | -     | -    | -    | 15   | 2.0 |
|       | Behavioural/Emotional   | 14    | 11.5 | 30    | 21.0 | 17    | 14.9 | 15    | 10.8 | 15    | 13.0 | 14    | 13.7 | 105  | 14.3 |     |
|       | Unspecified             | 0     | 0    | 0     | 0    | -     | -    | 0     | 0    | 0     | 0    | 0     | 0    | -    | -    |     |
| Jan   | Self-harm               | 30    | 24.6 | 31    | 21.7 | 18    | 15.8 | 26    | 18.7 | 22    | 19.1 | 15    | 14.7 | 142  | 19.3 |     |
|       | n                       | 118   |      | 164   |      | 128   |      | 145   |      | 118   |      | 137   |      | 810  |      |     |
|       | Substance use           | 22    | 18.6 | 45    | 27.4 | 39    | 30.5 | 39    | 26.9 | 37    | 31.4 | 30    | 21.9 | 212  | 26.2 |     |
|       | Psychosis-related       | -     | -    | -     | -    | -     | -    | -     | -    | -     | -    | -     | -    | 21   | 2.6  |     |
|       | Mood                    | 24    | 20.3 | 22    | 13.4 | 20    | 15.6 | 18    | 12.4 | 12    | 10.2 | 25    | 18.2 | 121  | 14.9 |     |
|       | Neurotic/stress-related | 23    | 19.5 | 29    | 17.7 | 23    | 18.0 | 35    | 24.1 | 23    | 19.5 | 36    | 26.3 | 169  | 20.9 |     |
|       | Behavioural syndrome    | -     | -    | 0     | 0    | -     | -    | 0     | 0    | 0     | 0    | 0     | 0    | -    | -    |     |
|       | Personality-related     | -     | -    | -     | -    | -     | -    | -     | -    | -     | -    | -     | -    | -    | 18   | 2.2 |
|       | Behavioural/Emotional   | 18    | 15.3 | 40    | 24.4 | 10    | 7.8  | 19    | 13.1 | 18    | 15.3 | 20    | 14.6 | 125  | 15.4 |     |
|       | Unspecified             | -     | -    | 0     | 0    | -     | -    | 0     | 0    | -     | -    | 0     | 0    | -    | -    |     |
| Feb   | Self-harm               | 20    | 16.9 | 22    | 13.4 | 28    | 21.9 | 28    | 19.3 | 19    | 16.1 | 22    | 16.1 | 139  | 17.2 |     |
|       | n                       | 130   |      | 152   |      | 116   |      | 115   |      | 85    |      | 126   |      | 724  |      |     |
|       | Substance use           | 24    | 18.5 | 35    | 23.0 | 23    | 19.8 | 27    | 23.5 | 19    | 22.4 | 34    | 27.0 | 162  | 22.4 |     |
|       | Psychosis-related       | -     | -    | 9     | 5.9  | -     | -    | -     | -    | -     | -    | -     | -    | 26   | 3.6  |     |
| Mood  | -                       | -     | 19   | 12.5  | 19   | 16.4  | -    | -     | 18   | 21.2  | 17   | 13.5  | 105  | 14.5 |      |     |

| Month      | Diagnosis               | 02/03 | %    | 03/04 | %    | 04/05 | %    | 05/06 | %    | 06/07 | %    | 07/08 | %    | All | %    |
|------------|-------------------------|-------|------|-------|------|-------|------|-------|------|-------|------|-------|------|-----|------|
|            | Neurotic/stress-related | 19    | 14.6 | 28    | 18.4 | 25    | 21.6 | 27    | 23.5 | 20    | 23.5 | 32    | 25.4 | 151 | 20.9 |
|            | Behavioural syndrome    | 0     | 0    | 0     | 0    | 0     | 0    | -     | -    | -     | -    | -     | -    | -   | -    |
|            | Personality-related     | 0     | 0    | 6     | 3.9  | -     | -    | -     | -    | 0     | 0    | -     | -    | 15  | 2.1  |
|            | Behavioural/Emotional   | 25    | 19.2 | 26    | 17.1 | 15    | 12.9 | 9     | 7.8  | 10    | 11.8 | 14    | 11.1 | 99  | 13.7 |
|            | Unspecified             | 0     | 0    | 0     | 0    | -     | -    | 0     | 0    | 0     | 0    | 0     | 0    | -   | -    |
|            | Self-harm               | 39    | 30.0 | 29    | 19.1 | 25    | 21.6 | 30    | 26.1 | 14    | 16.5 | 22    | 17.5 | 159 | 22.0 |
| <b>Mar</b> | n                       | 141   |      | 163   |      | 128   |      | 124   |      | 114   |      | 117   |      | 787 |      |
|            | Substance use           | 24    | 17.0 | 44    | 27.0 | 31    | 24.2 | 38    | 30.6 | 32    | 28.1 | 26    | 22.2 | 195 | 24.8 |
|            | Psychosis-related       | -     | -    | -     | -    | -     | -    | -     | -    | -     | -    | -     | -    | 17  | 2.2  |
|            | Mood                    | 14    | 9.9  | 22    | 13.5 | 20    | 15.6 | 18    | 14.5 | 11    | 9.6  | 16    | 13.7 | 101 | 12.8 |
|            | Neurotic/stress-related | 31    | 22.0 | 27    | 16.6 | 30    | 23.4 | 29    | 23.4 | 25    | 21.9 | 28    | 23.9 | 170 | 21.6 |
|            | Behavioural syndrome    | -     | -    | 0     | 0    | -     | -    | -     | -    | 0     | 0    | -     | -    | -   | -    |
|            | Personality-related     | -     | -    | -     | -    | -     | -    | -     | -    | -     | -    | -     | -    | 16  | 2.0  |
|            | Behavioural/Emotional   | 21    | 14.9 | 25    | 15.3 | 17    | 13.3 | 14    | 11.3 | 22    | 19.3 | 19    | 16.2 | 118 | 15.0 |
|            | Unspecified             | 0     | 0    | 0     | 0    | 0     | 0    | -     | -    | -     | -    | 0     | 0    | -   | -    |
|            | Self-harm               | 40    | 28.4 | 39    | 23.9 | 24    | 18.8 | 15    | 12.1 | 19    | 16.7 | 24    | 20.5 | 161 | 20.5 |

Low counts (1 to 5) or other counts (and corresponding %) are replaced by '-' for patient confidentiality.

**Table 3: Frequency (n) and percentage (%) of ED visits for Edmonton Zone by hour of day and diagnosis for each fiscal year separately and all years combined.**

| Hour        | Diagnosis               | 02/03 | %    | 03/04 | %    | 04/05 | %    | 05/06 | %    | 06/07 | %    | 07/08 | %    | All  | %    |
|-------------|-------------------------|-------|------|-------|------|-------|------|-------|------|-------|------|-------|------|------|------|
| 00:00-00:59 | n                       | 97    |      | 103   |      | 112   |      | 90    |      | 99    |      | 90    |      | 591  |      |
|             | Substance use           | 40    | 41.2 | 64    | 62.1 | 54    | 48.2 | 52    | 57.8 | 58    | 58.6 | 51    | 56.7 | 319  | 54.0 |
|             | Psychosis-related       | -     | -    | 0     | 0    | -     | -    | -     | -    | -     | -    | -     | -    | 10   | 1.7  |
|             | Mood                    | 6     | 6.2  | -     | -    | 15    | 13.4 | -     | -    | -     | -    | 7     | 7.8  | 43   | 7.3  |
|             | Neurotic/stress-related | 17    | 17.5 | 9     | 8.7  | 14    | 12.5 | 15    | 16.7 | 20    | 20.2 | 13    | 14.4 | 88   | 14.9 |
|             | Behavioural syndrome    | -     | -    | 0     | 0    | 0     | 0    | 0     | 0    | 0     | 0    | 0     | 0    | -    | -    |
|             | Personality-related     | -     | -    | -     | -    | -     | -    | 0     | 0    | 0     | 0    | -     | -    | -    | -    |
|             | Behavioural/Emotional   | 8     | 8.2  | -     | -    | 6     | 5.4  | -     | -    | -     | -    | 6     | 6.7  | 32   | 5.4  |
|             | Unspecified             | -     | -    | 0     | 0    | 0     | 0    | 0     | 0    | 0     | 0    | 0     | 0    | -    | -    |
| Self-harm   | 21                      | 21.6  | 19   | 18.4  | 18   | 16.1  | 11   | 12.2  | 13   | 13.1  | 10   | 11.1  | 92   | 15.6 |      |
| 01:00-01:59 | n                       | 78    |      | 81    |      | 85    |      | 89    |      | 90    |      | 93    |      | 516  |      |
|             | Substance use           | 39    | 50.0 | 42    | 51.9 | 54    | 63.5 | 59    | 66.3 | 46    | 51.1 | 54    | 58.1 | 294  | 57.0 |
|             | Psychosis-related       | 0     | 0    | -     | -    | 0     | 0    | -     | -    | -     | -    | -     | -    | 6    | 1.2  |
|             | Mood                    | -     | -    | 7     | 8.6  | -     | -    | -     | -    | -     | -    | 6     | 6.5  | 27   | 5.2  |
|             | Neurotic/stress-related | 8     | 10.3 | 12    | 14.8 | 8     | 9.4  | 8     | 9.0  | 17    | 18.9 | 10    | 10.8 | 63   | 12.2 |
|             | Behavioural syndrome    | 0     | 0    | 0     | 0    | 0     | 0    | 0     | 0    | -     | -    | 0     | 0    | -    | -    |
|             | Personality-related     | 0     | 0    | -     | -    | -     | -    | -     | -    | 0     | 0    | -     | -    | -    | -    |
|             | Behavioural/Emotional   | -     | -    | -     | -    | -     | -    | 6     | 6.7  | -     | -    | -     | -    | 24   | 4.7  |
|             | Unspecified             | 0     | 0    | 0     | 0    | 0     | 0    | 0     | 0    | 0     | 0    | 0     | 0    | 0    | 0    |
| Self-harm   | 21                      | 26.9  | 14   | 17.3  | 13   | 15.3  | 10   | 11.2  | 21   | 23.3  | 17   | 18.3  | 96   | 18.6 |      |
| 02:00-02:59 | n                       | 60    |      | 72    |      | 61    |      | 61    |      | 54    |      | 59    |      | 367  |      |
|             | Substance use           | 31    | 51.7 | 42    | 58.3 | 37    | 60.7 | 39    | 63.9 | 37    | 68.5 | 34    | 57.6 | 220  | 59.9 |
|             | Psychosis-related       | -     | -    | -     | -    | -     | -    | 0     | 0    | 0     | 0    | 0     | 0    | -    | -    |
|             | Mood                    | -     | -    | -     | -    | -     | -    | -     | -    | -     | -    | -     | -    | 18   | 4.9  |
|             | Neurotic/stress-related | -     | -    | 7     | 9.7  | -     | -    | 11    | 18.0 | -     | -    | -     | -    | 36   | 9.8  |
|             | Behavioural syndrome    | 0     | 0    | 0     | 0    | -     | -    | 0     | 0    | 0     | 0    | -     | -    | -    | -    |
|             | Personality-related     | 0     | 0    | -     | -    | -     | -    | -     | -    | 0     | 0    | 0     | 0    | -    | -    |
|             | Behavioural/Emotional   | -     | -    | -     | -    | -     | -    | -     | -    | -     | -    | -     | -    | 12   | 3.3  |
|             | Unspecified             | 0     | 0    | 0     | 0    | 0     | 0    | 0     | 0    | 0     | 0    | 0     | 0    | 0    | 0    |
| Self-harm   | 20                      | 33.3  | 16   | 22.2  | 11   | 18.0  | 7    | 11.5  | 9    | 16.7  | 10   | 16.9  | 73   | 19.9 |      |
| 03:00-03:59 | n                       | 35    |      | 32    |      | 42    |      | 47    |      | 35    |      | 36    |      | 227  |      |
|             | Substance use           | 15    | 42.9 | 18    | 56.2 | 29    | 69.0 | 35    | 74.5 | 30    | 85.7 | 16    | 44.4 | 143  | 63.0 |
|             | Psychosis-related       | 0     | 0    | -     | -    | 0     | 0    | 0     | 0    | -     | -    | 0     | 0    | -    | -    |
|             | Mood                    | -     | -    | 0     | 0    | -     | -    | 0     | 0    | 0     | 0    | -     | -    | 6    | 2.6  |



| Hour               | Diagnosis               | 02/03 | %    | 03/04 | %    | 04/05 | %    | 05/06 | %    | 06/07 | %    | 07/08 | %    | All  | %    |
|--------------------|-------------------------|-------|------|-------|------|-------|------|-------|------|-------|------|-------|------|------|------|
|                    | Neurotic/stress-related | -     | -    | -     | -    | -     | -    | -     | -    | -     | -    | -     | -    | 23   | 10.1 |
|                    | Behavioural syndrome    | -     | -    | 0     | 0    | 0     | 0    | 0     | 0    | 0     | 0    | 0     | 0    | -    | -    |
|                    | Personality-related     | 0     | 0    | 0     | 0    | 0     | 0    | 0     | 0    | 0     | 0    | -     | -    | -    | -    |
|                    | Behavioural/Emotional   | 0     | 0    | -     | -    | 0     | 0    | -     | -    | -     | -    | -     | -    | -    | -    |
|                    | Unspecified             | 0     | 0    | 0     | 0    | 0     | 0    | -     | -    | 0     | 0    | 0     | 0    | -    | -    |
|                    | Self-harm               | 14    | 40.0 | 7     | 21.9 | 6     | 14.3 | -     | -    | -     | -    | 11    | 30.6 | 45   | 19.8 |
| <b>04:00-04:59</b> | n                       | 31    |      | 36    |      | 18    |      | 40    |      | 40    |      | 29    |      | 194  |      |
|                    | Substance use           | 17    | 54.8 | 23    | 63.9 | 8     | 44.4 | 18    | 45.0 | 22    | 55.0 | 21    | 72.4 | 109  | 56.2 |
|                    | Psychosis-related       | 0     | 0    | 0     | 0    | 0     | 0    | 0     | 0    | 0     | 0    | 0     | 0    | 0    | 0    |
|                    | Mood                    | -     | -    | -     | -    | -     | -    | -     | -    | -     | -    | -     | -    | 13   | 6.7  |
|                    | Neurotic/stress-related | -     | -    | -     | -    | -     | -    | -     | -    | -     | -    | -     | -    | 22   | 11.3 |
|                    | Behavioural syndrome    | 0     | 0    | 0     | 0    | 0     | 0    | 0     | 0    | 0     | 0    | -     | -    | -    | -    |
|                    | Personality-related     | 0     | 0    | 0     | 0    | -     | -    | 0     | 0    | -     | -    | 0     | 0    | -    | -    |
|                    | Behavioural/Emotional   | 0     | 0    | -     | -    | -     | -    | 0     | 0    | -     | -    | 0     | 0    | -    | -    |
|                    | Unspecified             | 0     | 0    | 0     | 0    | 0     | 0    | 0     | 0    | 0     | 0    | 0     | 0    | 0    | 0    |
| Self-harm          | 8                       | 25.8  | 6    | 16.7  | -    | -     | 14   | 35.0  | 7    | 17.5  | -    | -     | 42   | 21.6 |      |
| <b>05:00-05:59</b> | n                       | 18    |      | 15    |      | 19    |      | 23    |      | 22    |      | 26    |      | 123  |      |
|                    | Substance use           | 7     | 38.9 | 7     | 46.7 | 14    | 73.7 | 14    | 60.9 | 9     | 40.9 | 16    | 61.5 | 67   | 54.5 |
|                    | Psychosis-related       | -     | -    | -     | -    | 0     | 0    | -     | -    | 0     | 0    | 0     | 0    | -    | -    |
|                    | Mood                    | -     | -    | 0     | 0    | -     | -    | 0     | 0    | -     | -    | 0     | 0    | -    | -    |
|                    | Neurotic/stress-related | -     | -    | -     | -    | -     | -    | -     | -    | -     | -    | -     | -    | 16   | 13.0 |
|                    | Behavioural syndrome    | 0     | 0    | 0     | 0    | 0     | 0    | 0     | 0    | 0     | 0    | 0     | 0    | 0    | 0    |
|                    | Personality-related     | 0     | 0    | 0     | 0    | 0     | 0    | 0     | 0    | 0     | 0    | 0     | 0    | 0    | 0    |
|                    | Behavioural/Emotional   | -     | -    | -     | -    | 0     | 0    | 0     | 0    | 0     | 0    | 0     | 0    | -    | -    |
|                    | Unspecified             | 0     | 0    | 0     | 0    | 0     | 0    | 0     | 0    | 0     | 0    | 0     | 0    | 0    | 0    |
| Self-harm          | 6                       | 33.3  | -    | -     | -    | -     | 7    | 30.4  | 7    | 31.8  | -    | -     | 31   | 25.2 |      |
| <b>06:00-06:59</b> | n                       | 10    |      | 12    |      | 10    |      | 11    |      | 18    |      | 12    |      | 73   |      |
|                    | Substance use           | -     | -    | 6     | 50.0 | 6     | 60.0 | 8     | 72.7 | 12    | 66.7 | -     | -    | 39   | 53.4 |
|                    | Psychosis-related       | -     | -    | 0     | 0    | 0     | 0    | 0     | 0    | 0     | 0    | -     | -    | -    | -    |
|                    | Mood                    | 0     | 0    | -     | -    | 0     | 0    | -     | -    | 0     | 0    | -     | -    | -    | -    |
|                    | Neurotic/stress-related | -     | -    | -     | -    | -     | -    | 0     | 0    | -     | -    | -     | -    | 7    | 9.6  |
|                    | Behavioural syndrome    | 0     | 0    | 0     | 0    | 0     | 0    | 0     | 0    | 0     | 0    | 0     | 0    | 0    | 0    |
|                    | Personality-related     | 0     | 0    | 0     | 0    | -     | -    | 0     | 0    | 0     | 0    | 0     | 0    | -    | -    |
|                    | Behavioural/Emotional   | 0     | 0    | 0     | 0    | 0     | 0    | 0     | 0    | 0     | 0    | -     | -    | -    | -    |
| Unspecified        | 0                       | 0     | 0    | 0     | 0    | 0     | 0    | 0     | 0    | 0     | 0    | 0     | 0    | 0    |      |

| Hour        | Diagnosis               | 02/03 | %    | 03/04 | %    | 04/05 | %    | 05/06 | %    | 06/07 | %    | 07/08 | %    | All  | %    |
|-------------|-------------------------|-------|------|-------|------|-------|------|-------|------|-------|------|-------|------|------|------|
| 07:00-07:59 | Self-harm               | -     | -    | -     | -    | -     | -    | -     | -    | -     | -    | -     | -    | 18   | 24.7 |
|             | n                       | 14    |      | 10    |      | 15    |      | 16    |      | 14    |      | 10    |      | 79   |      |
|             | Substance use           | 7     | 50.0 | -     | -    | 7     | 46.7 | -     | -    | -     | -    | -     | -    | 32   | 40.5 |
|             | Psychosis-related       | -     | -    | 0     | 0    | -     | -    | -     | -    | -     | -    | 0     | 0    | -    | -    |
|             | Mood                    | -     | -    | 0     | 0    | -     | -    | 0     | 0    | -     | -    | -     | -    | 8    | 10.1 |
|             | Neurotic/stress-related | 0     | 0    | -     | -    | -     | -    | -     | -    | -     | -    | 0     | 0    | -    | -    |
|             | Behavioural syndrome    | 0     | 0    | 0     | 0    | 0     | 0    | 0     | 0    | 0     | 0    | 0     | 0    | 0    | 0    |
|             | Personality-related     | 0     | 0    | 0     | 0    | 0     | 0    | 0     | 0    | 0     | 0    | 0     | 0    | 0    | 0    |
|             | Behavioural/Emotional   | 0     | 0    | -     | -    | 0     | 0    | -     | -    | 0     | 0    | -     | -    | 6    | 7.6  |
|             | Unspecified             | 0     | 0    | 0     | 0    | 0     | 0    | 0     | 0    | 0     | 0    | 0     | 0    | 0    | 0    |
| 08:00-08:59 | Self-harm               | -     | -    | -     | -    | -     | -    | 6     | 37.5 | 7     | 50.0 | -     | -    | 24   | 30.4 |
|             | n                       | 28    |      | 33    |      | 27    |      | 24    |      | 25    |      | 21    |      | 158  |      |
|             | Substance use           | -     | -    | -     | -    | 6     | 22.2 | -     | -    | -     | -    | -     | -    | 25   | 15.8 |
|             | Psychosis-related       | -     | -    | -     | -    | 0     | 0    | -     | -    | -     | -    | 0     | 0    | 8    | 5.1  |
|             | Mood                    | -     | -    | 8     | 24.2 | 8     | 29.6 | -     | -    | -     | -    | -     | -    | 34   | 21.5 |
|             | Neurotic/stress-related | 7     | 25.0 | 6     | 18.2 | -     | -    | -     | -    | -     | -    | -     | -    | 30   | 19.0 |
|             | Behavioural syndrome    | 0     | 0    | 0     | 0    | 0     | 0    | -     | -    | 0     | 0    | 0     | 0    | -    | -    |
|             | Personality-related     | -     | -    | -     | -    | -     | -    | -     | -    | 0     | 0    | 0     | 0    | -    | -    |
|             | Behavioural/Emotional   | -     | -    | 6     | 18.2 | -     | -    | -     | -    | -     | -    | 6     | 28.6 | 23   | 14.6 |
|             | Unspecified             | 0     | 0    | 0     | 0    | 0     | 0    | 0     | 0    | 0     | 0    | 0     | 0    | 0    | 0    |
| 09:00-09:59 | Self-harm               | -     | -    | 7     | 21.2 | -     | -    | -     | -    | 6     | 24.0 | -     | -    | 31   | 19.6 |
|             | n                       | 43    |      | 53    |      | 48    |      | 26    |      | 36    |      | 36    |      | 242  |      |
|             | Substance use           | -     | -    | 6     | 11.3 | 7     | 14.6 | -     | -    | -     | -    | 0     | 0    | 25   | 10.3 |
|             | Psychosis-related       | -     | -    | -     | -    | 0     | 0    | -     | -    | -     | -    | -     | -    | 12   | 5.0  |
|             | Mood                    | 8     | 18.6 | -     | -    | 11    | 22.9 | -     | -    | 10    | 27.8 | 9     | 25.0 | 50   | 20.7 |
|             | Neurotic/stress-related | 9     | 20.9 | 15    | 28.3 | 12    | 25.0 | 9     | 34.6 | 6     | 16.7 | 8     | 22.2 | 59   | 24.4 |
|             | Behavioural syndrome    | 0     | 0    | -     | -    | -     | -    | -     | -    | 0     | 0    | 0     | 0    | -    | -    |
|             | Personality-related     | 0     | 0    | 0     | 0    | -     | -    | 0     | 0    | -     | -    | -     | -    | -    | -    |
|             | Behavioural/Emotional   | 10    | 23.3 | 12    | 22.6 | -     | -    | -     | -    | 7     | 19.4 | 8     | 22.2 | 46   | 19.0 |
|             | Unspecified             | 0     | 0    | 0     | 0    | 0     | 0    | 0     | 0    | 0     | 0    | 0     | 0    | 0    | 0    |
| 10:00-10:59 | Self-harm               | 11    | 25.6 | 7     | 13.2 | 8     | 16.7 | -     | -    | -     | -    | 7     | 19.4 | 42   | 17.4 |
|             | n                       | 54    |      | 51    |      | 51    |      | 62    |      | 46    |      | 58    |      | 322  |      |
|             | Substance use           | 7     | 13.0 | -     | -    | 9     | 17.6 | 9     | 14.5 | -     | -    | 10    | 17.2 | 44   | 13.7 |
|             | Psychosis-related       | -     | -    | -     | -    | -     | -    | -     | -    | 0     | 0    | -     | -    | 12   | 3.7  |
| Mood        | 12                      | 22.2  | 11   | 21.6  | 13   | 25.5  | 19   | 30.6  | 12   | 26.1  | 12   | 20.7  | 79   | 24.5 |      |

| Hour               | Diagnosis               | 02/03 | %    | 03/04 | %    | 04/05 | %    | 05/06 | %    | 06/07 | %    | 07/08 | %    | All  | %    |
|--------------------|-------------------------|-------|------|-------|------|-------|------|-------|------|-------|------|-------|------|------|------|
|                    | Neurotic/stress-related | 8     | 14.8 | 14    | 27.5 | 8     | 15.7 | 19    | 30.6 | 14    | 30.4 | 13    | 22.4 | 76   | 23.6 |
|                    | Behavioural syndrome    | 0     | 0    | 0     | 0    | -     | -    | 0     | 0    | -     | -    | 0     | 0    | -    | -    |
|                    | Personality-related     | -     | -    | 0     | 0    | 0     | 0    | 0     | 0    | -     | -    | -     | -    | -    | -    |
|                    | Behavioural/Emotional   | 12    | 22.2 | 9     | 17.6 | 9     | 17.6 | 6     | 9.7  | 10    | 21.7 | 10    | 17.2 | 56   | 17.4 |
|                    | Unspecified             | 0     | 0    | 0     | 0    | 0     | 0    | -     | -    | -     | -    | -     | -    | -    | -    |
|                    | Self-harm               | 10    | 18.5 | 11    | 21.6 | 10    | 19.6 | -     | -    | -     | -    | 10    | 17.2 | 47   | 14.6 |
| <b>11:00-11:59</b> | n                       | 60    |      | 63    |      | 54    |      | 52    |      | 41    |      | 58    |      | 328  |      |
|                    | Substance use           | -     | -    | -     | -    | 6     | 11.1 | -     | -    | -     | -    | 10    | 17.2 | 33   | 10.1 |
|                    | Psychosis-related       | -     | -    | -     | -    | -     | -    | 6     | 11.5 | -     | -    | -     | -    | 20   | 6.1  |
|                    | Mood                    | 9     | 15.0 | 15    | 23.8 | 12    | 22.2 | 15    | 28.8 | 7     | 17.1 | 10    | 17.2 | 68   | 20.7 |
|                    | Neurotic/stress-related | 7     | 11.7 | 13    | 20.6 | 9     | 16.7 | 10    | 19.2 | 10    | 24.4 | 13    | 22.4 | 62   | 18.9 |
|                    | Behavioural syndrome    | 0     | 0    | 0     | 0    | -     | -    | -     | -    | 0     | 0    | 0     | 0    | -    | -    |
|                    | Personality-related     | -     | -    | -     | -    | -     | -    | -     | -    | -     | -    | -     | -    | -    | -    |
|                    | Behavioural/Emotional   | 15    | 25.0 | 14    | 22.2 | 14    | 25.9 | 6     | 11.5 | 6     | 14.6 | 15    | 25.9 | 70   | 21.3 |
|                    | Unspecified             | 0     | 0    | 0     | 0    | 0     | 0    | 0     | 0    | 0     | 0    | 0     | 0    | 0    | 0    |
| Self-harm          | 18                      | 30.0  | 11   | 17.5  | 6    | 11.1  | 10   | 19.2  | 9    | 22.0  | 6    | 10.3  | 60   | 18.3 |      |
| <b>12:00-12:59</b> | n                       | 88    |      | 74    |      | 54    |      | 58    |      | 64    |      | 50    |      | 388  |      |
|                    | Substance use           | 8     | 9.1  | 6     | 8.1  | 7     | 13.0 | -     | -    | 13    | 20.3 | -     | -    | 44   | 11.3 |
|                    | Psychosis-related       | -     | -    | -     | -    | 0     | 0    | -     | -    | -     | -    | 0     | 0    | 7    | 1.8  |
|                    | Mood                    | 16    | 18.2 | 16    | 21.6 | 12    | 22.2 | 8     | 13.8 | 11    | 17.2 | 12    | 24.0 | 75   | 19.3 |
|                    | Neurotic/stress-related | 22    | 25.0 | 17    | 23.0 | 12    | 22.2 | 20    | 34.5 | 14    | 21.9 | 17    | 34.0 | 102  | 26.3 |
|                    | Behavioural syndrome    | -     | -    | 0     | 0    | 0     | 0    | -     | -    | 0     | 0    | 0     | 0    | -    | -    |
|                    | Personality-related     | -     | -    | -     | -    | -     | -    | -     | -    | -     | -    | -     | -    | 14   | 3.6  |
|                    | Behavioural/Emotional   | 20    | 22.7 | 18    | 24.3 | 7     | 13.0 | 12    | 20.7 | 7     | 10.9 | 8     | 16.0 | 72   | 18.6 |
|                    | Unspecified             | 0     | 0    | 0     | 0    | -     | -    | 0     | 0    | 0     | 0    | 0     | 0    | -    | -    |
| Self-harm          | 15                      | 17.0  | 9    | 12.2  | 12   | 22.2  | 10   | 17.2  | 16   | 25.0  | 7    | 14.0  | 69   | 17.8 |      |
| <b>13:00-13:59</b> | n                       | 66    |      | 70    |      | 74    |      | 60    |      | 54    |      | 52    |      | 376  |      |
|                    | Substance use           | 8     | 12.1 | 8     | 11.4 | 8     | 10.8 | 12    | 20.0 | -     | -    | -     | -    | 48   | 12.8 |
|                    | Psychosis-related       | 0     | 0    | -     | -    | -     | -    | -     | -    | -     | -    | 0     | 0    | 10   | 2.7  |
|                    | Mood                    | 11    | 16.7 | 9     | 12.9 | 17    | 23.0 | 13    | 21.7 | 8     | 14.8 | 17    | 32.7 | 75   | 19.9 |
|                    | Neurotic/stress-related | 15    | 22.7 | 15    | 21.4 | 18    | 24.3 | 7     | 11.7 | 14    | 25.9 | 12    | 23.1 | 81   | 21.5 |
|                    | Behavioural syndrome    | -     | -    | 0     | 0    | 0     | 0    | -     | -    | -     | -    | 0     | 0    | -    | -    |
|                    | Personality-related     | -     | -    | -     | -    | -     | -    | -     | -    | -     | -    | 0     | 0    | 16   | 4.3  |
|                    | Behavioural/Emotional   | 15    | 22.7 | 14    | 20.0 | 13    | 17.6 | 8     | 13.3 | 8     | 14.8 | 10    | 19.2 | 68   | 18.1 |
| Unspecified        | 0                       | 0     | 0    | 0     | -    | -     | 0    | 0     | 0    | 0     | 0    | 0     | -    | -    |      |

| Hour        | Diagnosis               | 02/03 | %    | 03/04 | %    | 04/05 | %    | 05/06 | %    | 06/07 | %    | 07/08 | %    | All  | %    |
|-------------|-------------------------|-------|------|-------|------|-------|------|-------|------|-------|------|-------|------|------|------|
| 14:00-14:59 | Self-harm               | 14    | 21.2 | 17    | 24.3 | -     | -    | 12    | 20.0 | 12    | 22.2 | -     | -    | 74   | 19.7 |
|             | n                       | 79    |      | 52    |      | 88    |      | 60    |      | 67    |      | 58    |      | 404  |      |
|             | Substance use           | 6     | 7.6  | -     | -    | 12    | 13.6 | -     | -    | 14    | 20.9 | 10    | 17.2 | 56   | 13.9 |
|             | Psychosis-related       | -     | -    | -     | -    | -     | -    | -     | -    | -     | -    | -     | -    | 15   | 3.7  |
|             | Mood                    | 12    | 15.2 | -     | -    | 14    | 15.9 | 10    | 16.7 | 8     | 11.9 | -     | -    | 59   | 14.6 |
|             | Neurotic/stress-related | 23    | 29.1 | 14    | 26.9 | 27    | 30.7 | 16    | 26.7 | 19    | 28.4 | 11    | 19.0 | 110  | 27.2 |
|             | Behavioural syndrome    | -     | -    | 0     | 0    | -     | -    | 0     | 0    | 0     | 0    | 0     | 0    | -    | -    |
|             | Personality-related     | -     | -    | 0     | 0    | -     | -    | 0     | 0    | -     | -    | 0     | 0    | -    | -    |
|             | Behavioural/Emotional   | 13    | 16.5 | 12    | 23.1 | 13    | 14.8 | 15    | 25.0 | 7     | 10.4 | 15    | 25.9 | 75   | 18.6 |
| Unspecified | 0                       | 0     | 0    | 0     | 0    | 0     | 0    | 0     | 0    | 0     | 0    | 0     | 0    | 0    |      |
| 15:00-15:59 | Self-harm               | 18    | 22.8 | 13    | 25.0 | 16    | 18.2 | 10    | 16.7 | 14    | 20.9 | 10    | 17.2 | 81   | 20.0 |
|             | n                       | 68    |      | 76    |      | 82    |      | 69    |      | 68    |      | 75    |      | 438  |      |
|             | Substance use           | -     | -    | 15    | 19.7 | 12    | 14.6 | -     | -    | 14    | 20.6 | 12    | 16.0 | 66   | 15.1 |
|             | Psychosis-related       | -     | -    | -     | -    | -     | -    | -     | -    | -     | -    | -     | -    | 17   | 3.9  |
|             | Mood                    | 7     | 10.3 | 10    | 13.2 | 15    | 18.3 | 10    | 14.5 | 13    | 19.1 | 15    | 20.0 | 70   | 16.0 |
|             | Neurotic/stress-related | 18    | 26.5 | 17    | 22.4 | 23    | 28.0 | 15    | 21.7 | 15    | 22.1 | 22    | 29.3 | 110  | 25.1 |
|             | Behavioural syndrome    | 0     | 0    | 0     | 0    | 0     | 0    | -     | -    | 0     | 0    | -     | -    | -    | -    |
|             | Personality-related     | -     | -    | -     | -    | -     | -    | -     | -    | -     | -    | -     | -    | -    | -    |
|             | Behavioural/Emotional   | 14    | 20.6 | 17    | 22.4 | 11    | 13.4 | 15    | 21.7 | 12    | 17.6 | 17    | 22.7 | 86   | 19.6 |
| Unspecified | 0                       | 0     | 0    | 0     | 0    | 0     | 0    | 0     | 0    | 0     | 0    | 0     | 0    | 0    |      |
| 16:00-16:59 | Self-harm               | 21    | 30.9 | 12    | 15.8 | 17    | 20.7 | 13    | 18.8 | 7     | 10.3 | 6     | 8.0  | 76   | 17.4 |
|             | n                       | 82    |      | 79    |      | 71    |      | 83    |      | 74    |      | 76    |      | 465  |      |
|             | Substance use           | 8     | 9.8  | 17    | 21.5 | 7     | 9.9  | 16    | 19.3 | 8     | 10.8 | 18    | 23.7 | 74   | 15.9 |
|             | Psychosis-related       | -     | -    | -     | -    | -     | -    | 0     | 0    | -     | -    | -     | -    | 12   | 2.6  |
|             | Mood                    | 12    | 14.6 | 17    | 21.5 | 15    | 21.1 | 15    | 18.1 | 10    | 13.5 | 8     | 10.5 | 77   | 16.6 |
|             | Neurotic/stress-related | 20    | 24.4 | 12    | 15.2 | 22    | 31.0 | 24    | 28.9 | 27    | 36.5 | 20    | 26.3 | 125  | 26.9 |
|             | Behavioural syndrome    | -     | -    | -     | -    | 0     | 0    | -     | -    | 0     | 0    | -     | -    | -    | -    |
|             | Personality-related     | -     | -    | -     | -    | -     | -    | -     | -    | -     | -    | -     | -    | 9    | 1.9  |
|             | Behavioural/Emotional   | 17    | 20.7 | 13    | 16.5 | 13    | 18.3 | 8     | 9.6  | 8     | 10.8 | 13    | 17.1 | 72   | 15.5 |
| Unspecified | -                       | -     | 0    | 0     | 0    | 0     | 0    | 0     | 0    | 0     | 0    | 0     | -    | -    |      |
| 17:00-17:59 | Self-harm               | 19    | 23.2 | 14    | 17.7 | 11    | 15.5 | 17    | 20.5 | 18    | 24.3 | 11    | 14.5 | 90   | 19.4 |
|             | n                       | 72    |      | 81    |      | 80    |      | 71    |      | 75    |      | 86    |      | 465  |      |
|             | Substance use           | 10    | 13.9 | 12    | 14.8 | 12    | 15.0 | 13    | 18.3 | 14    | 18.7 | 8     | 9.3  | 69   | 14.8 |
|             | Psychosis-related       | -     | -    | -     | -    | -     | -    | -     | -    | -     | -    | -     | -    | 11   | 2.4  |
| Mood        | 12                      | 16.7  | 9    | 11.1  | 14   | 17.5  | 8    | 11.3  | 12   | 16.0  | 22   | 25.6  | 77   | 16.6 |      |

| Hour               | Diagnosis               | 02/03 | %    | 03/04 | %    | 04/05 | %    | 05/06 | %    | 06/07 | %    | 07/08 | %    | All  | %    |
|--------------------|-------------------------|-------|------|-------|------|-------|------|-------|------|-------|------|-------|------|------|------|
|                    | Neurotic/stress-related | 17    | 23.6 | 13    | 16.0 | 14    | 17.5 | 22    | 31.0 | 21    | 28.0 | 23    | 26.7 | 110  | 23.7 |
|                    | Behavioural syndrome    | 0     | 0    | -     | -    | 0     | 0    | -     | -    | 0     | 0    | -     | -    | -    | -    |
|                    | Personality-related     | -     | -    | -     | -    | -     | -    | 0     | 0    | -     | -    | 0     | 0    | 9    | 1.9  |
|                    | Behavioural/Emotional   | 12    | 16.7 | 16    | 19.8 | 18    | 22.5 | 10    | 14.1 | 17    | 22.7 | 18    | 20.9 | 91   | 19.6 |
|                    | Unspecified             | -     | -    | 0     | 0    | 0     | 0    | -     | -    | 0     | 0    | 0     | 0    | -    | -    |
|                    | Self-harm               | 16    | 22.2 | 24    | 29.6 | 20    | 25.0 | 12    | 16.9 | 8     | 10.7 | 13    | 15.1 | 93   | 20.0 |
| <b>18:00-18:59</b> | n                       | 94    |      | 74    |      | 89    |      | 71    |      | 77    |      | 83    |      | 488  |      |
|                    | Substance use           | -     | -    | -     | -    | 16    | 18.0 | 11    | 15.5 | 13    | 16.9 | 17    | 20.5 | 70   | 14.3 |
|                    | Psychosis-related       | -     | -    | -     | -    | -     | -    | -     | -    | -     | -    | -     | -    | 22   | 4.5  |
|                    | Mood                    | 18    | 19.1 | 11    | 14.9 | -     | -    | 14    | 19.7 | -     | -    | 13    | 15.7 | 70   | 14.3 |
|                    | Neurotic/stress-related | 15    | 16.0 | 20    | 27.0 | 20    | 22.5 | 16    | 22.5 | 21    | 27.3 | 13    | 15.7 | 105  | 21.5 |
|                    | Behavioural syndrome    | -     | -    | 0     | 0    | -     | -    | -     | -    | 0     | 0    | -     | -    | -    | -    |
|                    | Personality-related     | -     | -    | -     | -    | -     | -    | -     | -    | 0     | 0    | -     | -    | 12   | 2.5  |
|                    | Behavioural/Emotional   | 20    | 21.3 | 17    | 23.0 | 16    | 18.0 | 17    | 23.9 | 17    | 22.1 | 21    | 25.3 | 108  | 22.1 |
|                    | Unspecified             | 0     | 0    | 0     | 0    | -     | -    | 0     | 0    | 0     | 0    | 0     | 0    | -    | -    |
| Self-harm          | 26                      | 27.7  | 14   | 18.9  | 21   | 23.6  | 7    | 9.9   | 16   | 20.8  | 10   | 12.0  | 94   | 19.3 |      |
| <b>19:00-19:59</b> | n                       | 100   |      | 88    |      | 103   |      | 84    |      | 98    |      | 77    |      | 550  |      |
|                    | Substance use           | 15    | 15.0 | -     | -    | 17    | 16.5 | -     | -    | 20    | 20.4 | 23    | 29.9 | 93   | 16.9 |
|                    | Psychosis-related       | -     | -    | -     | -    | -     | -    | -     | -    | -     | -    | -     | -    | 17   | 3.1  |
|                    | Mood                    | 14    | 14.0 | 18    | 20.5 | 13    | 12.6 | 6     | 7.1  | 10    | 10.2 | 15    | 19.5 | 76   | 13.8 |
|                    | Neurotic/stress-related | 24    | 24.0 | 19    | 21.6 | 24    | 23.3 | 29    | 34.5 | 19    | 19.4 | 13    | 16.9 | 128  | 23.3 |
|                    | Behavioural syndrome    | -     | -    | 0     | 0    | 0     | 0    | 0     | 0    | 0     | 0    | 0     | 0    | -    | -    |
|                    | Personality-related     | -     | -    | 0     | 0    | -     | -    | 6     | 7.1  | -     | -    | -     | -    | 15   | 2.7  |
|                    | Behavioural/Emotional   | 21    | 21.0 | 24    | 27.3 | 23    | 22.3 | -     | -    | 22    | 22.4 | -     | -    | 107  | 19.5 |
|                    | Unspecified             | 0     | 0    | 0     | 0    | 0     | 0    | 0     | 0    | 0     | 0    | -     | -    | -    | -    |
| Self-harm          | 18                      | 18.0  | 19   | 21.6  | 19   | 18.4  | 24   | 28.6  | 20   | 20.4  | 11   | 14.3  | 111  | 20.2 |      |
| <b>20:00-20:59</b> | n                       | 83    |      | 94    |      | 83    |      | 79    |      | 75    |      | 75    |      | 489  |      |
|                    | Substance use           | 13    | 15.7 | 14    | 14.9 | 17    | 20.5 | 13    | 16.5 | 17    | 22.7 | 14    | 18.7 | 88   | 18.0 |
|                    | Psychosis-related       | -     | -    | -     | -    | -     | -    | -     | -    | -     | -    | -     | -    | 15   | 3.1  |
|                    | Mood                    | 9     | 10.8 | 13    | 13.8 | 11    | 13.3 | 10    | 12.7 | 11    | 14.7 | 7     | 9.3  | 61   | 12.5 |
|                    | Neurotic/stress-related | 20    | 24.1 | 21    | 22.3 | 21    | 25.3 | 27    | 34.2 | 15    | 20.0 | 30    | 40.0 | 134  | 27.4 |
|                    | Behavioural syndrome    | 0     | 0    | 0     | 0    | 0     | 0    | 0     | 0    | 0     | 0    | -     | -    | -    | -    |
|                    | Personality-related     | -     | -    | -     | -    | -     | -    | -     | -    | 0     | 0    | -     | -    | 11   | 2.2  |
|                    | Behavioural/Emotional   | 15    | 18.1 | 15    | 16.0 | 9     | 10.8 | 8     | 10.1 | 11    | 14.7 | 10    | 13.3 | 68   | 13.9 |
| Unspecified        | 0                       | 0     | 0    | 0     | 0    | 0     | 0    | 0     | -    | -     | 0    | 0     | -    | -    |      |

| Hour        | Diagnosis               | 02/03 | %    | 03/04 | %    | 04/05 | %    | 05/06 | %    | 06/07 | %    | 07/08 | %    | All  | %    |
|-------------|-------------------------|-------|------|-------|------|-------|------|-------|------|-------|------|-------|------|------|------|
| 21:00-21:59 | Self-harm               | 18    | 21.7 | 25    | 26.6 | 22    | 26.5 | 16    | 20.3 | 18    | 24.0 | 11    | 14.7 | 110  | 22.5 |
|             | n                       | 106   |      | 110   |      | 65    |      | 103   |      | 72    |      | 86    |      | 542  |      |
|             | Substance use           | 22    | 20.8 | 21    | 19.1 | 21    | 32.3 | 33    | 32.0 | 25    | 34.7 | 28    | 32.6 | 150  | 27.7 |
|             | Psychosis-related       | -     | -    | -     | -    | -     | -    | -     | -    | -     | -    | -     | -    | 16   | 3.0  |
|             | Mood                    | 9     | 8.5  | -     | -    | -     | -    | 8     | 7.8  | 11    | 15.3 | 12    | 14.0 | 63   | 11.6 |
|             | Neurotic/stress-related | 26    | 24.5 | 24    | 21.8 | 15    | 23.1 | 23    | 22.3 | 16    | 22.2 | 18    | 20.9 | 122  | 22.5 |
|             | Behavioural syndrome    | 0     | 0    | 0     | 0    | 0     | 0    | -     | -    | 0     | 0    | 0     | 0    | -    | -    |
|             | Personality-related     | -     | -    | 0     | 0    | -     | -    | 0     | 0    | -     | -    | 0     | 0    | -    | -    |
|             | Behavioural/Emotional   | 16    | 15.1 | 17    | 15.5 | 7     | 10.8 | 16    | 15.5 | -     | -    | -     | -    | 72   | 13.3 |
| Unspecified | 0                       | 0     | 0    | 0     | 0    | 0     | 0    | 0     | 0    | 0     | 0    | 0     | 0    | 0    |      |
| 22:00-22:59 | Self-harm               | 28    | 26.4 | 29    | 26.4 | 10    | 15.4 | 18    | 17.5 | 11    | 15.3 | 16    | 18.6 | 112  | 20.7 |
|             | n                       | 110   |      | 115   |      | 111   |      | 110   |      | 89    |      | 97    |      | 632  |      |
|             | Substance use           | 28    | 25.5 | 36    | 31.3 | 34    | 30.6 | 38    | 34.5 | 35    | 39.3 | 36    | 37.1 | 207  | 32.8 |
|             | Psychosis-related       | -     | -    | -     | -    | -     | -    | -     | -    | 0     | 0    | 0     | 0    | 11   | 1.7  |
|             | Mood                    | 11    | 10.0 | 14    | 12.2 | 12    | 10.8 | 11    | 10.0 | 12    | 13.5 | 10    | 10.3 | 70   | 11.1 |
|             | Neurotic/stress-related | 16    | 14.5 | 20    | 17.4 | 27    | 24.3 | 21    | 19.1 | 14    | 15.7 | 26    | 26.8 | 124  | 19.6 |
|             | Behavioural syndrome    | 0     | 0    | -     | -    | -     | -    | -     | -    | 0     | 0    | -     | -    | -    | -    |
|             | Personality-related     | -     | -    | -     | -    | -     | -    | 0     | 0    | 0     | 0    | -     | -    | 11   | 1.7  |
|             | Behavioural/Emotional   | 15    | 13.6 | 9     | 7.8  | 10    | 9.0  | 9     | 8.2  | 6     | 6.7  | 9     | 9.3  | 58   | 9.2  |
| Unspecified | 0                       | 0     | 0    | 0     | 0    | 0     | -    | -     | 0    | 0     | 0    | 0     | -    | -    |      |
| 23:00-23:59 | Self-harm               | 33    | 30.0 | 28    | 24.3 | 24    | 21.6 | 27    | 24.5 | 22    | 24.7 | 12    | 12.4 | 146  | 23.1 |
|             | n                       | 102   |      | 103   |      | 103   |      | 103   |      | 107   |      | 79    |      | 597  |      |
|             | Substance use           | 41    | 40.2 | 39    | 37.9 | 48    | 46.6 | 52    | 50.5 | 56    | 52.3 | 31    | 39.2 | 267  | 44.7 |
|             | Psychosis-related       | -     | -    | -     | -    | -     | -    | -     | -    | 0     | 0    | -     | -    | 12   | 2.0  |
|             | Mood                    | 6     | 5.9  | 12    | 11.7 | 7     | 6.8  | -     | -    | -     | -    | -     | -    | 42   | 7.0  |
|             | Neurotic/stress-related | 20    | 19.6 | 17    | 16.5 | 16    | 15.5 | 23    | 22.3 | 12    | 11.2 | 12    | 15.2 | 100  | 16.8 |
|             | Behavioural syndrome    | -     | -    | 0     | 0    | -     | -    | 0     | 0    | 0     | 0    | -     | -    | -    | -    |
|             | Personality-related     | -     | -    | -     | -    | -     | -    | 0     | 0    | -     | -    | -     | -    | 11   | 1.8  |
|             | Behavioural/Emotional   | -     | -    | 12    | 11.7 | -     | -    | 9     | 8.7  | 11    | 10.3 | -     | -    | 44   | 7.4  |
| Unspecified | 0                       | 0     | 0    | 0     | 0    | 0     | -    | -     | 0    | 0     | 0    | 0     | -    | -    |      |
| Missing     | Self-harm               | 26    | 25.5 | 20    | 19.4 | 22    | 21.4 | 9     | 8.7  | 18    | 16.8 | 22    | 27.8 | 117  | 19.6 |
|             | n                       | -     |      | 65    |      | 0     |      | 59    |      | 15    |      | -     |      | 158  |      |
|             | Substance use           | -     | -    | -     | -    | 0     |      | -     | -    | -     | -    | -     | -    | 13   | 8.2  |
|             | Psychosis-related       | 0     | 0    | -     | -    | 0     |      | 0     | 0    | 0     | 0    | 0     | 0    | -    | -    |
| Mood        | 0                       | 0     | -    | -     | 0    |       | 14   | 23.7  | -    | -     | 11   | 73.3  | 41   | 25.9 |      |

| Hour | Diagnosis               | 02/03 | % | 03/04 | %    | 04/05 | % | 05/06 | %    | 06/07 | % | 07/08 | % | All | %    |
|------|-------------------------|-------|---|-------|------|-------|---|-------|------|-------|---|-------|---|-----|------|
|      | Neurotic/stress-related | 0     | 0 | 9     | 13.8 | 0     |   | 29    | 49.2 | -     | - | -     | - | 45  | 28.5 |
|      | Behavioural syndrome    | 0     | 0 | -     | -    | 0     |   | 0     | 0    | 0     | 0 | 0     | 0 | -   | -    |
|      | Personality-related     | -     | - | -     | -    | 0     |   | 8     | 13.6 | -     | - | -     | - | 13  | 8.2  |
|      | Behavioural/Emotional   | -     | - | 39    | 60.0 | 0     |   | -     | -    | 0     | 0 | 0     | 0 | 43  | 27.2 |
|      | Unspecified             | 0     | 0 | 0     | 0    | 0     |   | 0     | 0    | -     | - | 0     | 0 | -   | -    |
|      | Self-harm               | 0     | 0 | 0     | 0    | 0     |   | 0     | 0    | 0     | 0 | 0     | 0 | 0   | 0    |

Low counts (1 to 5) or other counts (and corresponding %) are replaced by '-' for patient confidentiality.

**Table 6: Frequency (n) and percentage (%) of ED visits by residence subRHA in Edmonton Zone and facility subRHA in all Zones for each fiscal year and all years combined.**

| Residence subRHA                   | Facility subRHA                 | 02/03 | %    | 03/04 | %    | 04/05 | %    | 05/06 | %    | 06/07 | %    | 07/08 | %    | All | %    |
|------------------------------------|---------------------------------|-------|------|-------|------|-------|------|-------|------|-------|------|-------|------|-----|------|
| <b>R601 St. Albert</b>             | n                               | 96    |      | 83    |      | 96    |      | 92    |      | 97    |      | 72    |      | 536 |      |
|                                    | R601 St. Albert                 | 43    | 44.8 | 51    | 61.4 | 43    | 44.8 | 46    | 50.0 | 51    | 52.6 | 31    | 43.1 | 265 | 49.4 |
|                                    | R604 Edmonton Eastwood          | 30    | 31.2 | 21    | 25.3 | 32    | 33.3 | 30    | 32.6 | 29    | 29.9 | 25    | 34.7 | 167 | 31.2 |
|                                    | R607 Edmonton Bonnie Doon       | 12    | 12.5 | -     | -    | -     | -    | -     | -    | 6     | 6.2  | 11    | 15.3 | 41  | 7.6  |
|                                    | R608 Edmonton West Jasper Place | 7     | 7.3  | -     | -    | -     | -    | -     | -    | -     | -    | -     | -    | 23  | 4.3  |
| <b>R602 Edmonton Castle Downs</b>  | n                               | 65    |      | 64    |      | 53    |      | 82    |      | 61    |      | 58    |      | 383 |      |
|                                    | R601 St. Albert                 | 9     | 13.8 | 7     | 10.9 | 11    | 20.8 | 17    | 20.7 | -     | -    | 13    | 22.4 | 62  | 16.2 |
|                                    | R604 Edmonton Eastwood          | 35    | 53.8 | 30    | 46.9 | 28    | 52.8 | 39    | 47.6 | 30    | 49.2 | 30    | 51.7 | 192 | 50.1 |
|                                    | R606 Edmonton North East        | -     | -    | 7     | 10.9 | 8     | 15.1 | 6     | 7.3  | 10    | 16.4 | -     | -    | 37  | 9.7  |
|                                    | R607 Edmonton Bonnie Doon       | 10    | 15.4 | 13    | 20.3 | -     | -    | 8     | 9.8  | 10    | 16.4 | 9     | 15.5 | 55  | 14.4 |
| <b>R603 Edmonton Woodcroft</b>     | n                               | 114   |      | 143   |      | 130   |      | 119   |      | 111   |      | 94    |      | 711 |      |
|                                    | R601 St. Albert                 | -     | -    | -     | -    | 6     | 4.6  | -     | -    | -     | -    | -     | -    | 17  | 2.4  |
|                                    | R604 Edmonton Eastwood          | 55    | 48.2 | 64    | 44.8 | 73    | 56.2 | 62    | 52.1 | 62    | 55.9 | 44    | 46.8 | 360 | 50.6 |
|                                    | R606 Edmonton North East        | -     | -    | 7     | 4.9  | -     | -    | -     | -    | -     | -    | -     | -    | 22  | 3.1  |
|                                    | R607 Edmonton Bonnie Doon       | 16    | 14.0 | 25    | 17.5 | 17    | 13.1 | 17    | 14.3 | 12    | 10.8 | 24    | 25.5 | 111 | 15.6 |
|                                    | R608 Edmonton West Jasper Place | 20    | 17.5 | 22    | 15.4 | 15    | 11.5 | 13    | 10.9 | 18    | 16.2 | 11    | 11.7 | 99  | 13.9 |
|                                    | R612 Edmonton Mill Woods        | 8     | 7.0  | 6     | 4.2  | -     | -    | -     | -    | -     | -    | -     | -    | 28  | 3.9  |
| <b>R604 Edmonton Eastwood</b>      | n                               | 113   |      | 101   |      | 118   |      | 112   |      | 128   |      | 135   |      | 707 |      |
|                                    | R601 St. Albert                 | -     | -    | -     | -    | 6     | 5.1  | -     | -    | 6     | 4.7  | -     | -    | 21  | 3.0  |
|                                    | R604 Edmonton Eastwood          | 63    | 55.8 | 47    | 46.5 | 62    | 52.5 | 63    | 56.2 | 77    | 60.2 | 73    | 54.1 | 385 | 54.5 |
|                                    | R606 Edmonton North East        | -     | -    | 9     | 8.9  | 11    | 9.3  | 9     | 8.0  | 8     | 6.2  | 6     | 4.4  | 48  | 6.8  |
|                                    | R607 Edmonton Bonnie Doon       | 18    | 15.9 | 13    | 12.9 | 14    | 11.9 | 16    | 14.3 | 16    | 12.5 | 25    | 18.5 | 102 | 14.4 |
|                                    | R608 Edmonton West Jasper Place | -     | -    | -     | -    | 7     | 5.9  | -     | -    | 7     | 5.5  | -     | -    | 29  | 4.1  |
|                                    | R612 Edmonton Mill Woods        | -     | -    | 7     | 6.9  | -     | -    | 6     | 5.4  | -     | -    | -     | -    | 26  | 3.7  |
| <b>R605 Edmonton North Central</b> | n                               | 103   |      | 80    |      | 100   |      | 117   |      | 114   |      | 110   |      | 624 |      |
|                                    | R601 St. Albert                 | -     | -    | -     | -    | -     | -    | 9     | 7.7  | 7     | 6.1  | -     | -    | 30  | 4.8  |
|                                    | R604 Edmonton Eastwood          | 64    | 62.1 | 42    | 52.5 | 59    | 59.0 | 59    | 50.4 | 61    | 53.5 | 52    | 47.3 | 337 | 54.0 |
|                                    | R606 Edmonton North East        | 12    | 11.7 | 13    | 16.2 | 16    | 16.0 | 13    | 11.1 | 13    | 11.4 | 24    | 21.8 | 91  | 14.6 |
|                                    | R607 Edmonton Bonnie Doon       | 13    | 12.6 | 10    | 12.5 | 14    | 14.0 | 18    | 15.4 | 15    | 13.2 | 15    | 13.6 | 85  | 13.6 |
| <b>R606 Edmonton North East</b>    | n                               | 177   |      | 176   |      | 165   |      | 133   |      | 130   |      | 151   |      | 932 |      |
|                                    | R604 Edmonton Eastwood          | 87    | 49.2 | 90    | 51.1 | 96    | 58.2 | 77    | 57.9 | 75    | 57.7 | 78    | 51.7 | 503 | 54.0 |
|                                    | R606 Edmonton North East        | 43    | 24.3 | 39    | 22.2 | 33    | 20.0 | 22    | 16.5 | 17    | 13.1 | 30    | 19.9 | 184 | 19.7 |
|                                    | R607 Edmonton Bonnie Doon       | 23    | 13.0 | 31    | 17.6 | 15    | 9.1  | 15    | 11.3 | 19    | 14.6 | 30    | 19.9 | 133 | 14.3 |



| Residence subRHA                       | Facility subRHA                 | 02/03 | %    | 03/04 | %    | 04/05 | %    | 05/06 | %    | 06/07 | %    | 07/08 | %    | All | %    |
|--|---------------------------------|-------|------|-------|------|-------|------|-------|------|-------|------|-------|------|-----|------|
| <b>R607 Edmonton Bonnie Doon</b>       | n                               | 143   |      | 150   |      | 87    |      | 88    |      | 87    |      | 122   |      | 677 |      |
|  | R604 Edmonton Eastwood          | 72    | 50.3 | 75    | 50.0 | 32    | 36.8 | 39    | 44.3 | 37    | 42.5 | 73    | 59.8 | 328 | 48.4 |
|  | R607 Edmonton Bonnie Doon       | 41    | 28.7 | 36    | 24.0 | 27    | 31.0 | 27    | 30.7 | 27    | 31.0 | 24    | 19.7 | 182 | 26.9 |
|  | R608 Edmonton West Jasper Place | -     | -    | 7     | 4.7  | -     | -    | -     | -    | -     | -    | -     | -    | 23  | 3.4  |
|  | R612 Edmonton Mill Woods        | 10    | 7.0  | 12    | 8.0  | 17    | 19.5 | 8     | 9.1  | 11    | 12.6 | 6     | 4.9  | 64  | 9.5  |
| <b>R608 Edmonton West Jasper Place</b> | n                               | 132   |      | 177   |      | 136   |      | 124   |      | 129   |      | 101   |      | 799 |      |
|  | R604 Edmonton Eastwood          | 42    | 31.8 | 82    | 46.3 | 52    | 38.2 | 47    | 37.9 | 47    | 36.4 | 42    | 41.6 | 312 | 39.0 |
|  | R607 Edmonton Bonnie Doon       | 16    | 12.1 | 15    | 8.5  | 17    | 12.5 | 23    | 18.5 | 18    | 14.0 | 15    | 14.9 | 104 | 13.0 |
|  | R608 Edmonton West Jasper Place | 57    | 43.2 | 61    | 34.5 | 48    | 35.3 | 34    | 27.4 | 50    | 38.8 | 31    | 30.7 | 281 | 35.2 |
|  | R612 Edmonton Mill Woods        | -     | -    | -     | -    | 7     | 5.1  | -     | -    | -     | -    | -     | -    | 20  | 2.5  |
| <b>R609 Edmonton Twin Brooks</b>       | n                               | 101   |      | 103   |      | 94    |      | 110   |      | 99    |      | 124   |      | 631 |      |
|  | R604 Edmonton Eastwood          | 29    | 28.7 | 36    | 35.0 | 31    | 33.0 | 50    | 45.5 | 41    | 41.4 | 55    | 44.4 | 242 | 38.4 |
|  | R607 Edmonton Bonnie Doon       | 44    | 43.6 | 44    | 42.7 | 39    | 41.5 | 26    | 23.6 | 29    | 29.3 | 45    | 36.3 | 227 | 36.0 |
|  | R608 Edmonton West Jasper Place | -     | -    | 8     | 7.8  | -     | -    | 8     | 7.3  | 7     | 7.1  | -     | -    | 36  | 5.7  |
|  | R612 Edmonton Mill Woods        | 19    | 18.8 | 11    | 10.7 | 10    | 10.6 | 22    | 20.0 | 14    | 14.1 | 14    | 11.3 | 90  | 14.3 |
| <b>R612 Edmonton Mill Woods</b>        | n                               | 172   |      | 159   |      | 157   |      | 152   |      | 124   |      | 134   |      | 898 |      |
|  | R604 Edmonton Eastwood          | 59    | 34.3 | 66    | 41.5 | 67    | 42.7 | 44    | 28.9 | 50    | 40.3 | 55    | 41.0 | 341 | 38.0 |
|  | R607 Edmonton Bonnie Doon       | 16    | 9.3  | 17    | 10.7 | 16    | 10.2 | 22    | 14.5 | 19    | 15.3 | 25    | 18.7 | 115 | 12.8 |
|  | R608 Edmonton West Jasper Place | -     | -    | -     | -    | -     | -    | 6     | 3.9  | 0     | 0    | -     | -    | 19  | 2.1  |
|  | R612 Edmonton Mill Woods        | 78    | 45.3 | 60    | 37.7 | 63    | 40.1 | 68    | 44.7 | 47    | 37.9 | 45    | 33.6 | 361 | 40.2 |
| <b>R613 Sherwood Park</b>              | n                               | 37    |      | 64    |      | 68    |      | 80    |      | 61    |      | 58    |      | 368 |      |
|  | R604 Edmonton Eastwood          | 16    | 43.2 | 26    | 40.6 | 24    | 35.3 | 28    | 35.0 | 28    | 45.9 | 27    | 46.6 | 149 | 40.5 |
|  | R607 Edmonton Bonnie Doon       | 8     | 21.6 | 14    | 21.9 | 17    | 25.0 | 26    | 32.5 | 14    | 23.0 | 9     | 15.5 | 88  | 23.9 |
|  | R612 Edmonton Mill Woods        | 9     | 24.3 | 16    | 25.0 | 18    | 26.5 | 18    | 22.5 | 11    | 18.0 | 7     | 12.1 | 79  | 21.5 |
| <b>R614 Strathcona County</b>          | n                               | 35    |      | 10    |      | 33    |      | 25    |      | 22    |      | 21    |      | 146 |      |
|  | R604 Edmonton Eastwood          | 13    | 37.1 | -     | -    | 9     | 27.3 | 10    | 40.0 | 8     | 36.4 | 8     | 38.1 | 52  | 35.6 |
|  | R607 Edmonton Bonnie Doon       | -     | -    | -     | -    | 8     | 24.2 | 7     | 28.0 | -     | -    | 6     | 28.6 | 30  | 20.5 |
|  | R612 Edmonton Mill Woods        | 10    | 28.6 | -     | -    | 12    | 36.4 | -     | -    | 6     | 27.3 | -     | -    | 39  | 26.7 |
| <b>R615 Thorsby</b>                    | n                               | 19    |      | 11    |      | 8     |      | 10    |      | 9     |      | 12    |      | 69  |      |
|  | R616 Leduc Office               | 6     | 31.6 | -     | -    | -     | -    | -     | -    | -     | -    | 6     | 50.0 | 22  | 31.9 |
| <b>R616 Leduc Office</b>               | n                               | 36    |      | 50    |      | 40    |      | 48    |      | 25    |      | 20    |      | 219 |      |
|  | R604 Edmonton Eastwood          | -     | -    | 8     | 16.0 | 10    | 25.0 | 14    | 29.2 | -     | -    | -     | -    | 44  | 20.1 |
|  | R616 Leduc Office               | 26    | 72.2 | 35    | 70.0 | 26    | 65.0 | 21    | 43.8 | 19    | 76.0 | 13    | 65.0 | 140 | 63.9 |
| <b>R617 Beaumont</b>                   | n                               | 21    |      | 13    |      | 26    |      | 24    |      | 24    |      | 20    |      | 128 |      |
|  | R604 Edmonton Eastwood          | 6     | 28.6 | -     | -    | 9     | 34.6 | 10    | 41.7 | 8     | 33.3 | 8     | 40.0 | 44  | 34.4 |

| Residence subRHA              | Facility subRHA                 | 02/03 | %    | 03/04 | %    | 04/05 | %    | 05/06 | %    | 06/07 | %    | 07/08 | %    | All | %    |
|-------------------------------|---------------------------------|-------|------|-------|------|-------|------|-------|------|-------|------|-------|------|-----|------|
|                               | R612 Edmonton Mill Woods        | 6     | 28.6 | 6     | 46.2 | 8     | 30.8 | 6     | 25.0 | 9     | 37.5 | -     | -    | 39  | 30.5 |
| <b>R618 Westview</b>          | n                               | 139   |      | 156   |      | 116   |      | 137   |      | 133   |      | 127   |      | 808 |      |
|                               | R402 Brazeau                    | -     | -    | 6     | 3.8  | -     | -    | 0     | 0    | -     | -    | 6     | 4.7  | 23  | 2.8  |
|                               | R604 Edmonton Eastwood          | 36    | 25.9 | 48    | 30.8 | 25    | 21.6 | 40    | 29.2 | 40    | 30.1 | 39    | 30.7 | 228 | 28.2 |
|                               | R607 Edmonton Bonnie Doon       | 11    | 7.9  | 9     | 5.8  | 6     | 5.2  | 8     | 5.8  | 7     | 5.3  | 14    | 11.0 | 55  | 6.8  |
|                               | R608 Edmonton West Jasper Place | -     | -    | 8     | 5.1  | 8     | 6.9  | 7     | 5.1  | 9     | 6.8  | -     | -    | 41  | 5.1  |
|                               | R618 Westview                   | 71    | 51.1 | 76    | 48.7 | 58    | 50.0 | 67    | 48.9 | 56    | 42.1 | 48    | 37.8 | 376 | 46.5 |
| <b>R619 Sturgeon County</b>   | n                               | 43    |      | 59    |      | 75    |      | 51    |      | 55    |      | 47    |      | 330 |      |
|                               | R601 St. Albert                 | 14    | 32.6 | 24    | 40.7 | 22    | 29.3 | 25    | 49.0 | 17    | 30.9 | 13    | 27.7 | 115 | 34.8 |
|                               | R604 Edmonton Eastwood          | 17    | 39.5 | 17    | 28.8 | 31    | 41.3 | 9     | 17.6 | 21    | 38.2 | 13    | 27.7 | 108 | 32.7 |
|                               | R607 Edmonton Bonnie Doon       | -     | -    | 7     | 11.9 | 6     | 8.0  | -     | -    | 6     | 10.9 | -     | -    | 28  | 8.5  |
|                               | R619 Sturgeon County            | -     | -    | 6     | 10.2 | -     | -    | -     | -    | -     | -    | -     | -    | 23  | 7.0  |
|                               |                                 | n     | 36   |       | 43   |       | 43   |       | 47   |       | 46   |       | 31   |     | 246  |
| <b>R620 Fort Saskatchewan</b> | R604 Edmonton Eastwood          | 13    | 36.1 | 17    | 39.5 | 12    | 27.9 | 15    | 31.9 | 15    | 32.6 | 13    | 41.9 | 85  | 34.6 |
|                               | R607 Edmonton Bonnie Doon       | 0     | 0    | -     | -    | -     | -    | 6     | 12.8 | -     | -    | -     | -    | 15  | 6.1  |
|                               | R620 Fort Saskatchewan          | 17    | 47.2 | 18    | 41.9 | 19    | 44.2 | 17    | 36.2 | 23    | 50.0 | 11    | 35.5 | 105 | 42.7 |
|                               |                                 | n     | 36   |       | 43   |       | 43   |       | 47   |       | 46   |       | 31   |     | 246  |

Counts between 1 and 5 (and corresponding %) are replaced by '-' for patient confidentiality.

**Table 8: Frequency (n) and percentage (%) of ED visits for Edmonton Zone by self-harm diagnosis for each fiscal year separately and all years combined.**

|             | Diagnosis                                       | 02/03 | %    | 03/04 | %    | 04/05 | %    | 05/06 | %    | 06/07 | %    | 07/08 | %    | All  | %    |
|-------------|---|-------|------|-------|------|-------|------|-------|------|-------|------|-------|------|------|------|
| <b>Dx01</b> | n   | 394   |      | 331   |      | 294   |      | 256   |      | 274   |      | 225   |      | 1774 |      |
|             | Other   | 386   | 98.0 | 321   | 97.0 | -     | -    | -     | -    | -     | -    | -     | -    | 1743 | 98.3 |
|             | T71 Asphyxiation                                | -     | -    | -     | -    | -     | -    | -     | -    | -     | -    | -     | -    | 24   | 1.4  |
|             | X60-X69 Intentional self-poisoning              | -     | -    | -     | -    | 0     | 0    | 0     | 0    | 0     | 0    | 0     | 0    | -    | -    |
|             | X70-X84 Intentional self-harm by specific means | -     | -    | 0     | 0    | 0     | 0    | 0     | 0    | 0     | 0    | 0     | 0    | -    | -    |
|             | Missing   | 0     | 0    | 0     | 0    | 0     | 0    | 0     | 0    | 0     | 0    | 0     | 0    | 0    | 0    |
| <b>Dx02</b> | n   | 394   |      | 331   |      | 294   |      | 256   |      | 274   |      | 225   |      | 1774 |      |
|             | Other   | 99    | 25.1 | 93    | 28.1 | -     | -    | -     | -    | 89    | 32.5 | 90    | 40.0 | 543  | 30.6 |
|             | T71 Asphyxiation                                | 0     | 0    | 0     | 0    | -     | -    | 0     | 0    | 0     | 0    | 0     | 0    | -    | -    |
|             | X60-X69 Intentional self-poisoning              | 205   | 52.0 | 148   | 44.7 | 103   | 35.0 | 83    | 32.4 | 88    | 32.1 | 75    | 33.3 | 702  | 39.6 |
|             | X70-X84 Intentional self-harm by specific means | 90    | 22.8 | 90    | 27.2 | 105   | 35.7 | 86    | 33.6 | 97    | 35.4 | -     | -    | -    | -    |
|             | Missing   | 0     | 0    | 0     | 0    | 0     | 0    | 0     | 0    | 0     | 0    | 0     | 0    | 0    | 0    |
| <b>Dx03</b> | n   | 394   |      | 331   |      | 294   |      | 256   |      | 274   |      | 225   |      | 1774 |      |
|             | Other   | 318   | 80.7 | 261   | 78.9 | 232   | 78.9 | 195   | 76.2 | 218   | 79.6 | 159   | 70.7 | 1383 | 78.0 |
|             | T71 Asphyxiation                                | 0     | 0    | -     | -    | -     | -    | 0     | 0    | 0     | 0    | 0     | 0    | -    | -    |
|             | X60-X69 Intentional self-poisoning              | 49    | 12.4 | 50    | 15.1 | 41    | 13.9 | -     | -    | -     | -    | 43    | 19.1 | 239  | 13.5 |
|             | X70-X84 Intentional self-harm by specific means | -     | -    | 18    | 5.4  | 18    | 6.1  | 30    | 11.7 | 28    | 10.2 | -     | -    | 138  | 7.8  |
|             | Missing   | -     | -    | -     | -    | -     | -    | -     | -    | -     | -    | -     | -    | -    | -    |
| <b>Dx04</b> | n   | 394   |      | 331   |      | 294   |      | 256   |      | 274   |      | 225   |      | 1774 |      |
|             | Other   | 171   | 43.4 | 151   | 45.6 | 138   | 46.9 | 123   | 48.0 | 143   | 52.2 | 119   | 52.9 | 845  | 47.6 |
|             | T71 Asphyxiation                                | 0     | 0    | -     | -    | 0     | 0    | 0     | 0    | -     | -    | 0     | 0    | -    | -    |
|             | X60-X69 Intentional self-poisoning              | 47    | 11.9 | 33    | 10.0 | 27    | 9.2  | 31    | 12.1 | 32    | 11.7 | 28    | 12.4 | 198  | 11.2 |
|             | X70-X84 Intentional self-harm by specific means | 7     | 1.8  | -     | -    | 15    | 5.1  | 11    | 4.3  | -     | -    | 8     | 3.6  | -    | -    |
|             | Missing   | 169   | 42.9 | 138   | 41.7 | 114   | 38.8 | 91    | 35.5 | 76    | 27.7 | 70    | 31.1 | 658  | 37.1 |
| <b>Dx05</b> | n   | 394   |      | 331   |      | 294   |      | 256   |      | 274   |      | 225   |      | 1774 |      |
|             | Other   | 99    | 25.1 | 75    | 22.7 | 81    | 27.6 | 70    | 27.3 | 106   | 38.7 | 70    | 31.1 | 501  | 28.2 |
|             | T71 Asphyxiation                                | 0     | 0    | 0     | 0    | 0     | 0    | 0     | 0    | 0     | 0    | 0     | 0    | 0    | 0    |
|             | X60-X69 Intentional self-poisoning              | -     | -    | -     | -    | -     | -    | -     | -    | 14    | 5.1  | -     | -    | 107  | 6.0  |
|             | X70-X84 Intentional self-harm by specific means | -     | -    | -     | -    | -     | -    | -     | -    | 6     | 2.2  | -     | -    | 23   | 1.3  |
|             | Missing   | 273   | 69.3 | 234   | 70.7 | 191   | 65.0 | 165   | 64.5 | 148   | 54.0 | 132   | 58.7 | 1143 | 64.4 |
| <b>Dx06</b> | n   | 394   |      | 331   |      | 294   |      | 256   |      | 274   |      | 225   |      | 1774 |      |
|             | Other   | 40    | 10.2 | 29    | 8.8  | 40    | 13.6 | 34    | 13.3 | 53    | 19.3 | 43    | 19.1 | 239  | 13.5 |
|             | T71 Asphyxiation                                | 0     | 0    | 0     | 0    | 0     | 0    | 0     | 0    | 0     | 0    | 0     | 0    | 0    | 0    |
|             | X60-X69 Intentional self-poisoning              | -     | -    | -     | -    | -     | -    | -     | -    | -     | -    | -     | -    | 68   | 3.8  |

|             | Diagnosis                                       | 02/03 | %     | 03/04 | %    | 04/05 | %     | 05/06 | %     | 06/07 | %     | 07/08 | %    | All  | %    |
|-------------|---|-------|-------|-------|------|-------|-------|-------|-------|-------|-------|-------|------|------|------|
|             | X70-X84 Intentional self-harm by specific means | -     | -     | -     | -    | -     | -     | -     | -     | -     | -     | -     | -    | 12   | 0.7  |
|             | Missing   | 344   | 87.3  | 286   | 86.4 | 236   | 80.3  | 207   | 80.9  | 209   | 76.3  | 173   | 76.9 | 1455 | 82.0 |
| <b>Dx07</b> | n   | 394   |       | 331   |      | 294   |       | 256   |       | 274   |       | 225   |      | 1774 |      |
|             | Other   | -     | -     | -     | -    | -     | -     | 0     | 0     | -     | -     | 18    | 8.0  | 33   | 1.9  |
|             | T71 Asphyxiation                                | 0     | 0     | 0     | 0    | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0    | 0    | 0    |
|             | X60-X69 Intentional self-poisoning              | -     | -     | 0     | 0    | -     | -     | 0     | 0     | 0     | 0     | -     | -    | -    | -    |
|             | X70-X84 Intentional self-harm by specific means | 0     | 0     | 0     | 0    | 0     | 0     | 0     | 0     | -     | -     | -     | -    | -    | -    |
|             | Missing   | 392   | 99.5  | -     | -    | 291   | 99.0  | 256   | 100.0 | 262   | 95.6  | -     | -    | 1727 | 97.4 |
| <b>Dx08</b> | n   | 394   |       | 331   |      | 294   |       | 256   |       | 274   |       | 225   |      | 1774 |      |
|             | Other   | -     | -     | -     | -    | -     | -     | 0     | 0     | -     | -     | 14    | 6.2  | 22   | 1.2  |
|             | T71 Asphyxiation                                | 0     | 0     | 0     | 0    | 0     | 0     | 0     | 0     | 0     | 0     | -     | -    | -    | -    |
|             | X60-X69 Intentional self-poisoning              | 0     | 0     | 0     | 0    | 0     | 0     | 0     | 0     | -     | -     | -     | -    | -    | -    |
|             | X70-X84 Intentional self-harm by specific means | 0     | 0     | 0     | 0    | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0    | 0    | 0    |
|             | Missing   | -     | -     | -     | -    | -     | -     | 256   | 100.0 | 268   | 97.8  | 206   | 91.6 | 1746 | 98.4 |
| <b>Dx09</b> | n   | 394   |       | 331   |      | 294   |       | 256   |       | 274   |       | 225   |      | 1774 |      |
|             | Other   | 0     | 0     | -     | -    | -     | -     | 0     | 0     | -     | -     | -     | -    | 9    | 0.5  |
|             | T71 Asphyxiation                                | 0     | 0     | 0     | 0    | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0    | 0    | 0    |
|             | X60-X69 Intentional self-poisoning              | 0     | 0     | 0     | 0    | 0     | 0     | 0     | 0     | 0     | 0     | -     | -    | -    | -    |
|             | X70-X84 Intentional self-harm by specific means | 0     | 0     | 0     | 0    | 0     | 0     | 0     | 0     | 0     | 0     | -     | -    | -    | -    |
|             | Missing   | 394   | 100.0 | -     | -    | -     | -     | 256   | 100.0 | -     | -     | 215   | 95.6 | 1760 | 99.2 |
| <b>Dx10</b> | n   | 394   |       | 331   |      | 294   |       | 256   |       | 274   |       | 225   |      | 1774 |      |
|             | Other   | 0     | 0     | -     | -    | 0     | 0     | 0     | 0     | 0     | 0     | -     | -    | -    | -    |
|             | T71 Asphyxiation                                | 0     | 0     | 0     | 0    | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0    | 0    | 0    |
|             | X60-X69 Intentional self-poisoning              | 0     | 0     | 0     | 0    | 0     | 0     | 0     | 0     | 0     | 0     | -     | -    | -    | -    |
|             | X70-X84 Intentional self-harm by specific means | 0     | 0     | 0     | 0    | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0    | 0    | 0    |
|             | Missing   | 394   | 100.0 | -     | -    | 294   | 100.0 | 256   | 100.0 | 274   | 100.0 | -     | -    | 1767 | 99.6 |

Low counts (1 to 5) or other counts (and corresponding %) are replaced by '-' for patient confidentiality.

**Table 10: Frequency (n) and percentage (%) of ED visits for Edmonton Zone for substance use and self-harm diagnoses by subRHA for each fiscal year and all years combined.**

| Diagnosis                       | SubRHA                          | 02/03 | %    | 03/04 | %    | 04/05 | %    | 05/06 | %    | 06/07 | %    | 07/08 | %    | All  | %    |
|---------------------------------|---------------------------------|-------|------|-------|------|-------|------|-------|------|-------|------|-------|------|------|------|
| <b>Substance use</b>            | n                               | 349   |      | 411   |      | 448   |      | 479   |      | 474   |      | 434   |      | 2595 |      |
|                                 | R601 St. Albert                 | 37    | 10.6 | 35    | 8.5  | 30    | 6.7  | 28    | 5.8  | 34    | 7.2  | 18    | 4.1  | 182  | 7.0  |
|                                 | R602 Edmonton Castle Downs      | -     | -    | 13    | 3.2  | -     | -    | 18    | 3.8  | 14    | 3.0  | 13    | 3.0  | 76   | 2.9  |
|                                 | R603 Edmonton Woodcroft         | 19    | 5.4  | 38    | 9.2  | 35    | 7.8  | 35    | 7.3  | 41    | 8.6  | 25    | 5.8  | 193  | 7.4  |
|                                 | R604 Edmonton Eastwood          | 39    | 11.2 | 32    | 7.8  | 48    | 10.7 | 43    | 9.0  | 52    | 11.0 | 59    | 13.6 | 273  | 10.5 |
|                                 | R605 Edmonton North Central     | 12    | 3.4  | 13    | 3.2  | 23    | 5.1  | 35    | 7.3  | 27    | 5.7  | 35    | 8.1  | 145  | 5.6  |
|                                 | R606 Edmonton North East        | 55    | 15.8 | 36    | 8.8  | 43    | 9.6  | 57    | 11.9 | 35    | 7.4  | 51    | 11.8 | 277  | 10.7 |
|                                 | R607 Edmonton Bonnie Doon       | 28    | 8.0  | 35    | 8.5  | 22    | 4.9  | 21    | 4.4  | 24    | 5.1  | 25    | 5.8  | 155  | 6.0  |
|                                 | R608 Edmonton West Jasper Place | 28    | 8.0  | 36    | 8.8  | 42    | 9.4  | 45    | 9.4  | 47    | 9.9  | 28    | 6.5  | 226  | 8.7  |
|                                 | R609 Edmonton Twin Brooks       | 25    | 7.2  | 25    | 6.1  | 32    | 7.1  | 30    | 6.3  | 30    | 6.3  | 26    | 6.0  | 168  | 6.5  |
|                                 | R612 Edmonton Mill Woods        | 36    | 10.3 | 41    | 10.0 | 45    | 10.0 | 56    | 11.7 | 46    | 9.7  | 53    | 12.2 | 277  | 10.7 |
|                                 | R613 Sherwood Park              | 8     | 2.3  | 12    | 2.9  | 16    | 3.6  | 20    | 4.2  | 22    | 4.6  | 13    | 3.0  | 91   | 3.5  |
|                                 | R614 Strathcona County          | -     | -    | -     | -    | -     | -    | -     | -    | 8     | 1.7  | -     | -    | 32   | 1.2  |
|                                 | R615 Thorsby                    | -     | -    | -     | -    | -     | -    | -     | -    | -     | -    | -     | -    | 16   | 0.6  |
|                                 | R616 Leduc Office               | -     | -    | 10    | 2.4  | 12    | 2.7  | 14    | 2.9  | -     | -    | -     | -    | 50   | 1.9  |
|                                 | R617 Beaumont                   | -     | -    | -     | -    | 13    | 2.9  | 9     | 1.9  | 7     | 1.5  | -     | -    | 41   | 1.6  |
|                                 | R618 Westview                   | 24    | 6.9  | 53    | 12.9 | 35    | 7.8  | 31    | 6.5  | 42    | 8.9  | 44    | 10.1 | 229  | 8.8  |
|                                 | R619 Sturgeon County            | 11    | 3.2  | 11    | 2.7  | 16    | 3.6  | 16    | 3.3  | 22    | 4.6  | 18    | 4.1  | 94   | 3.6  |
|                                 | R620 Fort Saskatchewan          | 11    | 3.2  | 10    | 2.4  | 11    | 2.5  | 12    | 2.5  | 15    | 3.2  | 11    | 2.5  | 70   | 2.7  |
|                                 | <b>Self-harm</b>                | n     | 394  |       | 331  |       | 294  |       | 256  |       | 274  |       | 225  |      | 1774 |
| R601 St. Albert                 |                                 | 13    | 3.3  | 13    | 3.9  | 14    | 4.8  | 10    | 3.9  | 15    | 5.5  | 6     | 2.7  | 71   | 4.0  |
| R602 Edmonton Castle Downs      |                                 | 18    | 4.6  | 10    | 3.0  | 9     | 3.1  | 9     | 3.5  | 9     | 3.3  | 7     | 3.1  | 62   | 3.5  |
| R603 Edmonton Woodcroft         |                                 | 33    | 8.4  | 33    | 10.0 | 32    | 10.9 | 25    | 9.8  | 21    | 7.7  | 15    | 6.7  | 159  | 9.0  |
| R604 Edmonton Eastwood          |                                 | 14    | 3.6  | 25    | 7.6  | 29    | 9.9  | 22    | 8.6  | 29    | 10.6 | 20    | 8.9  | 139  | 7.8  |
| R605 Edmonton North Central     |                                 | 40    | 10.2 | 25    | 7.6  | 20    | 6.8  | 25    | 9.8  | 18    | 6.6  | 19    | 8.4  | 147  | 8.3  |
| R606 Edmonton North East        |                                 | 40    | 10.2 | 52    | 15.7 | 32    | 10.9 | 27    | 10.5 | 31    | 11.3 | 23    | 10.2 | 205  | 11.6 |
| R607 Edmonton Bonnie Doon       |                                 | 44    | 11.2 | 21    | 6.3  | 24    | 8.2  | 16    | 6.2  | 16    | 5.8  | 20    | 8.9  | 141  | 7.9  |
| R608 Edmonton West Jasper Place |                                 | 32    | 8.1  | 18    | 5.4  | 20    | 6.8  | 12    | 4.7  | 21    | 7.7  | 12    | 5.3  | 115  | 6.5  |
| R609 Edmonton Twin Brooks       |                                 | 32    | 8.1  | 26    | 7.9  | 18    | 6.1  | 21    | 8.2  | 15    | 5.5  | 29    | 12.9 | 141  | 7.9  |
| R612 Edmonton Mill Woods        |                                 | 49    | 12.4 | 34    | 10.3 | 30    | 10.2 | 25    | 9.8  | 32    | 11.7 | 14    | 6.2  | 184  | 10.4 |
| R613 Sherwood Park              |                                 | 10    | 2.5  | 16    | 4.8  | 9     | 3.1  | 13    | 5.1  | 6     | 2.2  | 10    | 4.4  | 64   | 3.6  |
| R614 Strathcona County          |                                 | 13    | 3.3  | -     | -    | 9     | 3.1  | 0     | 0    | -     | -    | 7     | 3.1  | 33   | 1.9  |
| R615 Thorsby                    |                                 | -     | -    | -     | -    | -     | -    | -     | -    | 0     | 0    | -     | -    | 7    | 0.4  |
| R616 Leduc Office               |                                 | 8     | 2.0  | 11    | 3.3  | -     | -    | -     | -    | -     | -    | -     | -    | 35   | 2.0  |

| Diagnosis | SubRHA                 | 02/03 | %   | 03/04 | %   | 04/05 | %   | 05/06 | %   | 06/07 | %    | 07/08 | %    | All | %   |
|-----------|------------------------|-------|-----|-------|-----|-------|-----|-------|-----|-------|------|-------|------|-----|-----|
|           | R617 Beaumont          | -     | -   | -     | -   | -     | -   | -     | -   | 7     | 2.6  | 7     | 3.1  | 30  | 1.7 |
|           | R618 Westview          | 24    | 6.1 | 26    | 7.9 | 13    | 4.4 | 24    | 9.4 | 28    | 10.2 | 24    | 10.7 | 139 | 7.8 |
|           | R619 Sturgeon County   | 8     | 2.0 | 11    | 3.3 | 18    | 6.1 | -     | -   | -     | -    | -     | -    | 48  | 2.7 |
|           | R620 Fort Saskatchewan | 7     | 1.8 | -     | -   | 8     | 2.7 | 15    | 5.9 | 15    | 5.5  | -     | -    | 54  | 3.0 |

Low counts (1 to 5) or other counts (and corresponding %) are replaced by ‘-’ for patient confidentiality.