



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

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

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

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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 Calgary 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	%
R3 Calgary Health Region	n	1328		1313		1426		1481		1548		1476		8572	
	R301 Calgary North East	73	5.5	88	6.7	67	4.7	75	5.1	94	6.1	91	6.2	488	5.7
	R302 Calgary Beddington Heights	55	4.1	70	5.3	57	4.0	69	4.7	73	4.7	67	4.5	391	4.6
	R303 Calgary Northwest	65	4.9	95	7.2	102	7.2	112	7.6	108	7.0	114	7.7	596	7.0
	R304 Calgary University	31	2.3	38	2.9	50	3.5	39	2.6	38	2.5	43	2.9	239	2.8
	R305 Calgary Charleswood	120	9.0	93	7.1	114	8.0	95	6.4	108	7.0	92	6.2	622	7.3
	R306 Calgary Marlborough	75	5.6	75	5.7	69	4.8	87	5.9	75	4.8	78	5.3	459	5.4
	R307 Calgary Shaganappi	48	3.6	48	3.7	62	4.3	56	3.8	56	3.6	42	2.8	312	3.6
	R308 Calgary Bowness	71	5.3	50	3.8	92	6.5	59	4.0	87	5.6	79	5.4	438	5.1
	R309 Calgary Scarboro	61	4.6	59	4.5	41	2.9	65	4.4	71	4.6	42	2.8	339	4.0
	R310 Calgary Forest Lawn	97	7.3	115	8.8	94	6.6	115	7.8	94	6.1	87	5.9	602	7.0
	R311 Calgary Lakeview	49	3.7	41	3.1	39	2.7	51	3.4	67	4.3	62	4.2	309	3.6
	R312 Calgary Mount Royal	26	2.0	17	1.3	28	2.0	32	2.2	39	2.5	21	1.4	163	1.9
	R313 Calgary Haysboro	119	9.0	87	6.6	112	7.9	123	8.3	127	8.2	114	7.7	682	8.0
	R314 Calgary Bonavista	109	8.2	95	7.2	116	8.1	87	5.9	80	5.2	100	6.8	587	6.8
	R315 Calgary South	63	4.7	72	5.5	81	5.7	60	4.1	82	5.3	66	4.5	424	4.9
	R320 Banff-Canmore	44	3.3	49	3.7	54	3.8	59	4.0	77	5.0	78	5.3	361	4.2
	R321 Didsbury-Strathmore	108	8.1	97	7.4	120	8.4	147	9.9	144	9.3	178	12.1	794	9.3
	R322 Vulcan-Claresholm	29	2.2	31	2.4	33	2.3	43	2.9	51	3.3	38	2.6	225	2.6
	R323 High River-Black Diamond	85	6.4	93	7.1	95	6.7	107	7.2	77	5.0	84	5.7	541	6.3

Interpretation: The number of ED mental health visits in Calgary Zone was the largest in fiscal year 2006/2007, and smallest in fiscal year 2003/2004.

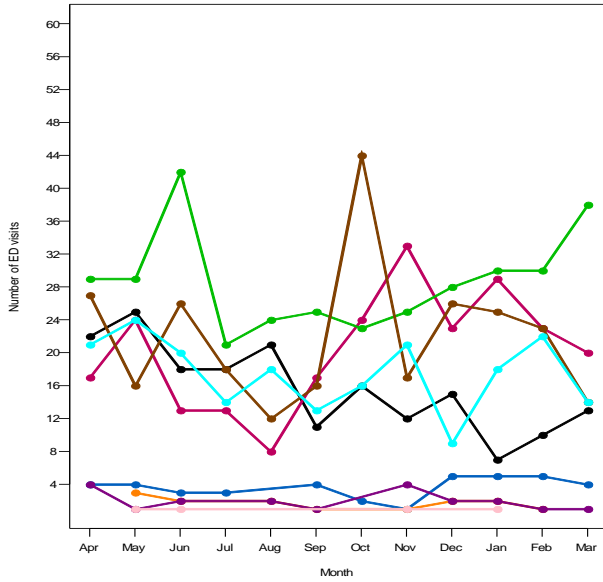
3. Time and month of presentation by type of mental health diagnosis

Month of presentation

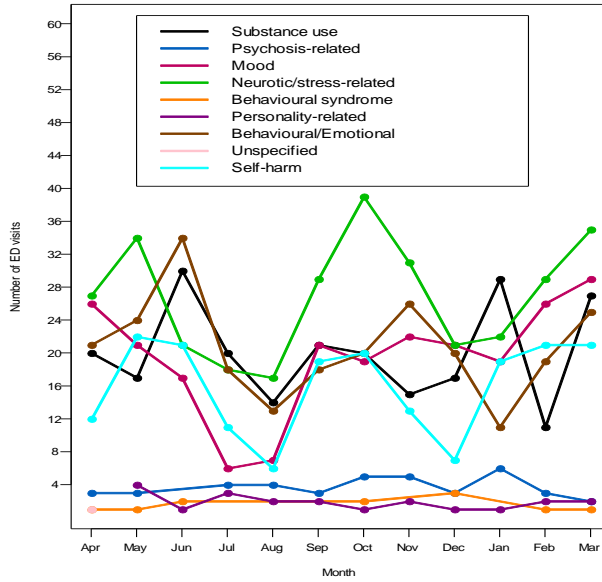
The plots on the following page show ED mental health visits by month and diagnosis for each fiscal year separately for Calgary Zone. Note that for each of fiscal years 2003/2004 and 2004/2005, less than six ED visits were reported with the diagnosis “unspecified diagnosis”. Table 2 in the Appendix provides 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 Calgary Zone.

Interpretation: In Calgary Zone, the largest number of ED mental health visits in April was for neurotic/stress-related disorders.

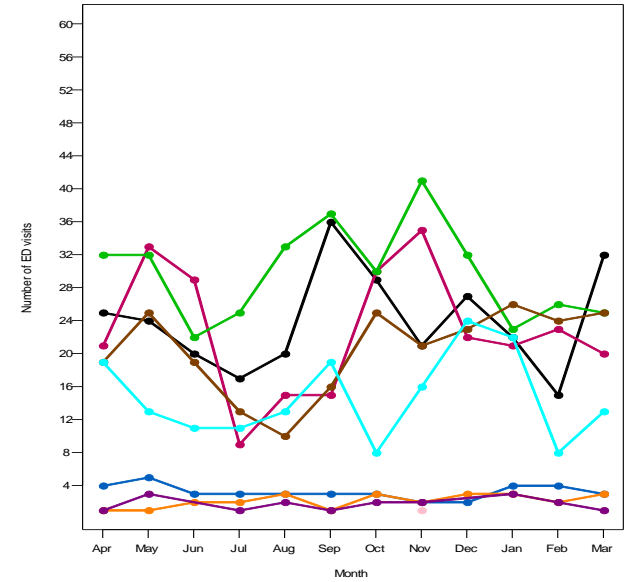
ED visit by month and diagnosis for fiscal year 2002/2003



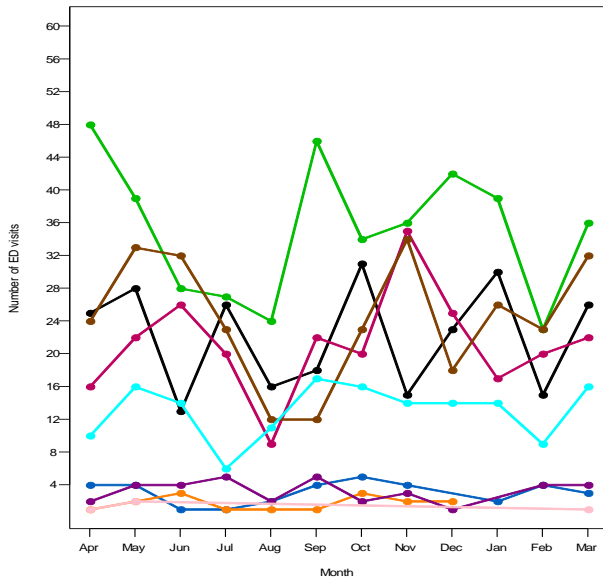
ED visit by month and diagnosis for fiscal year 2003/2004



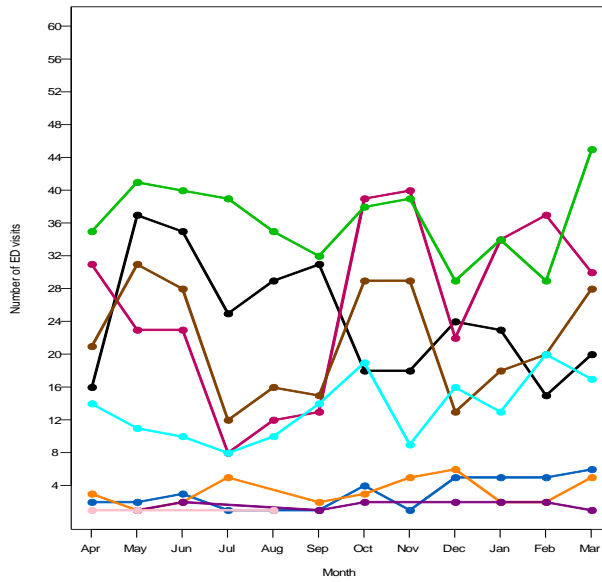
ED visit by month and diagnosis for fiscal year 2004/2005



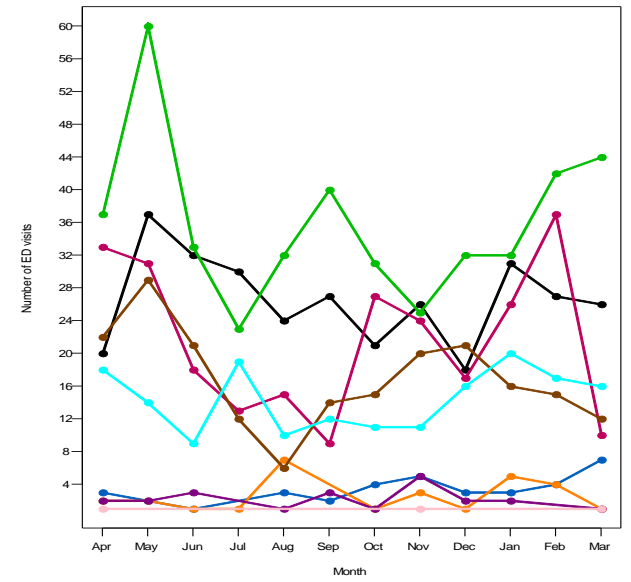
ED visit by month and diagnosis for fiscal year 2005/2006



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



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

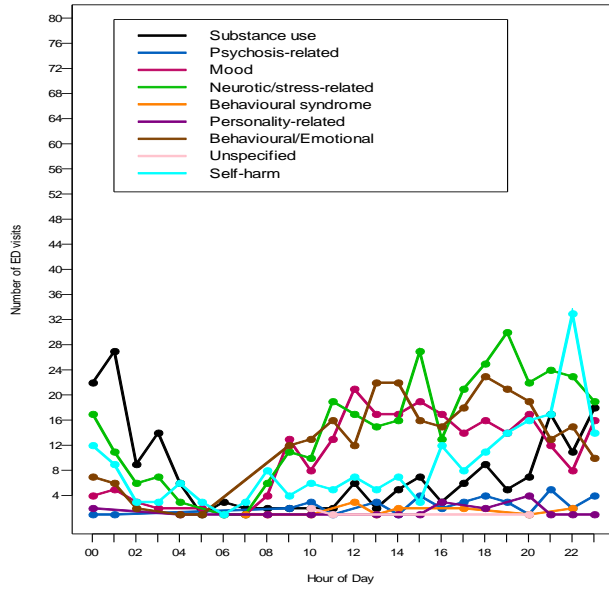


Time of presentation

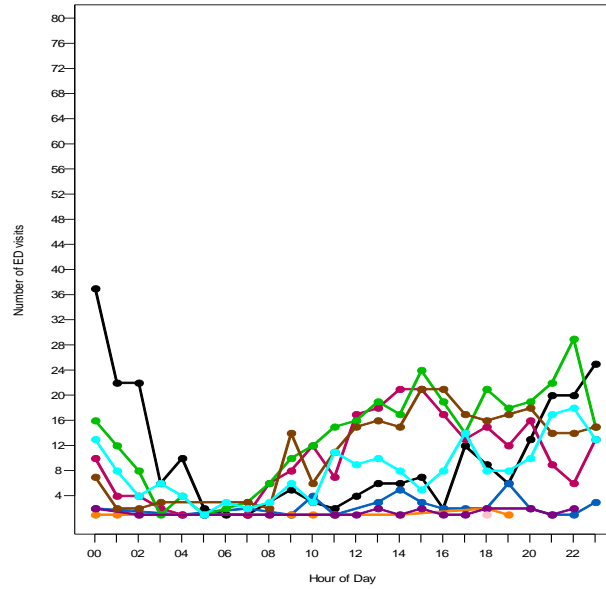
The plots on the following page show ED mental health visits by hour of the day and diagnosis for each fiscal year separately for Calgary Zone. Note that for each of fiscal years 2003/2004 and 2004/2005, less than six ED visits were reported with the diagnosis “unspecified diagnosis”. Table 3 of the 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 Calgary Zone. For some of the ED visits, time of presentations was not recorded, but the missing data were very few, so we did not include them in the table.

Interpretation: In Calgary Zone, ED visits were less frequent during the early hours of the day (from 4:00 a.m. to 9:00 a.m.). The ED visits which dominated during 0:00 a.m. to 1:00 a.m. in 2005/2006 and 2006/2007 were for neurotic/stress related disorders and mood disorders, respectively. In all the fiscal years, the ED visits which dominated during 1:00 a.m. to 4:00 a.m. were for mental and behavioural disorders due to substance use, and there was an overall increase in the number of ED visits for neurotic/stress related disorders after 4:00 a.m.

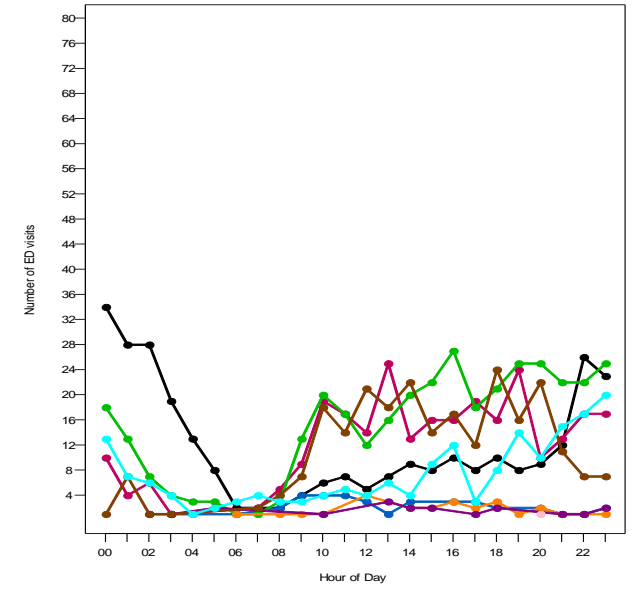
ED visit by hour and diagnosis for fiscal year 2002/2003



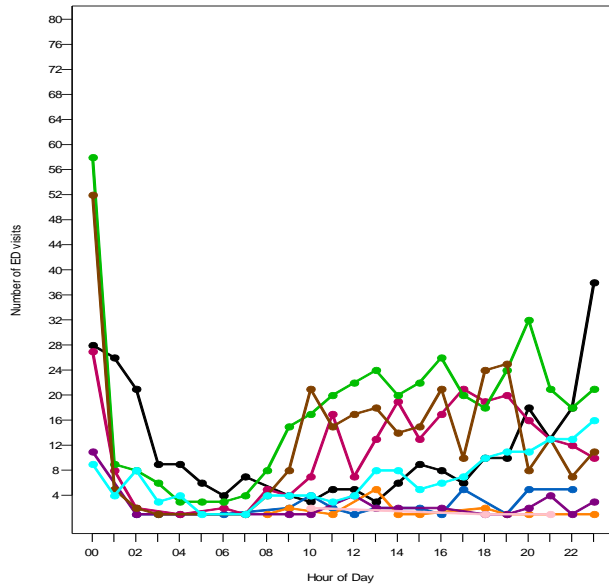
ED visit by hour and diagnosis for fiscal year 2003/2004



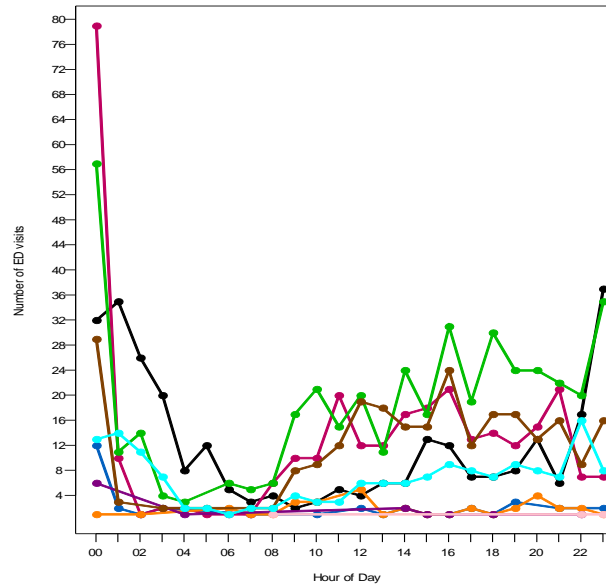
ED visit by hour and diagnosis for fiscal year 2004/2005



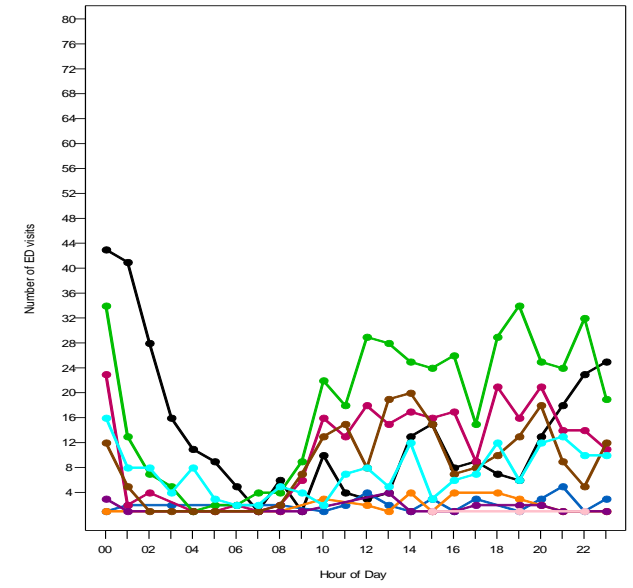
ED visit by hour and diagnosis for fiscal year 2005/2006



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



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

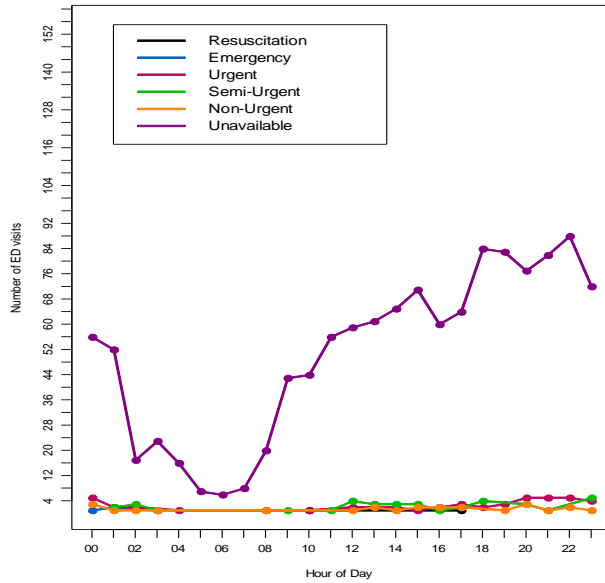


4. Triage score (level of acuity) by time of day

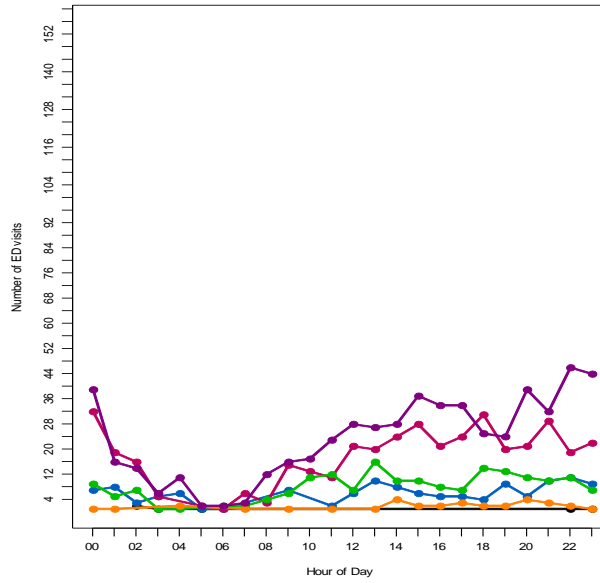
The plots on the following page show ED mental health visits by hour of the day and triage level for each fiscal year separately for Calgary Zone.

Interpretation: Ignoring the acuity level of ED visits that were unavailable, in Calgary Zone, the acuity level which dominated during early hours of the day (from 0:00 a.m. to 4:00 a.m.) was urgent, and there was an overall increase in the number of ED visits for urgent acuity level after 4:00 a.m.

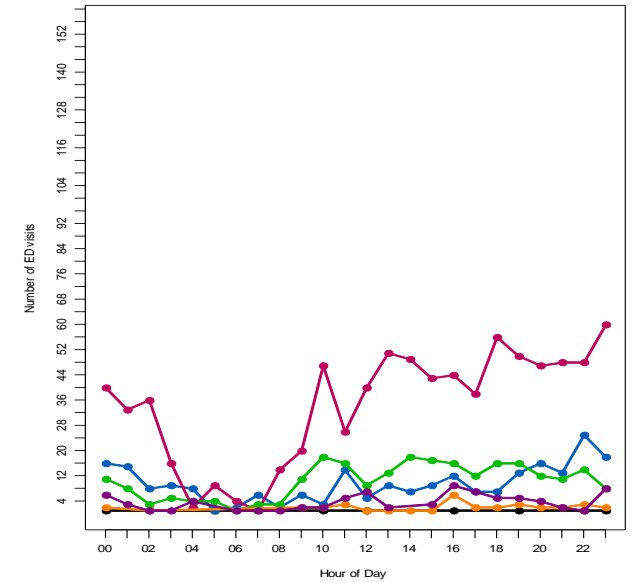
ED visit by hour and triage level for fiscal year 2002/2003



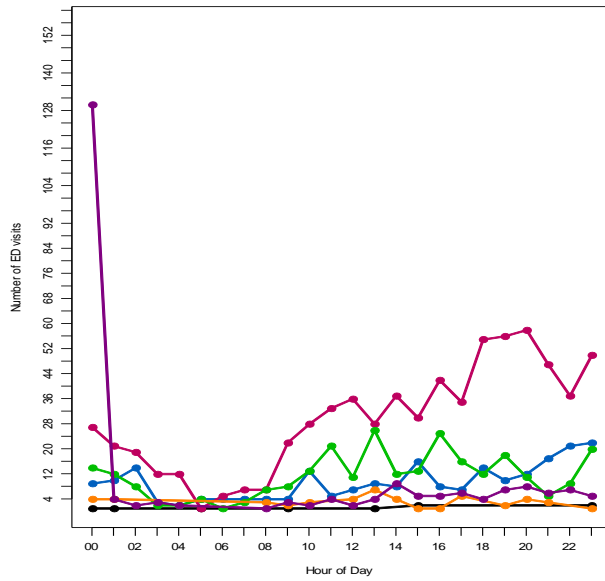
ED visit by hour and triage level for fiscal year 2003/2004



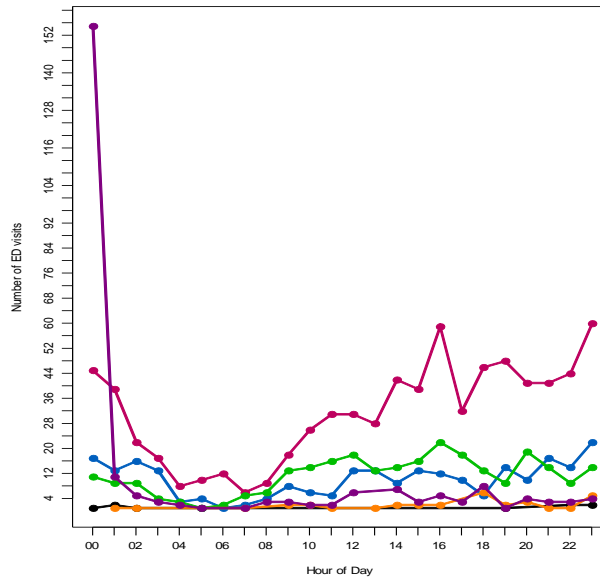
ED visit by hour and triage level for fiscal year 2004/2005



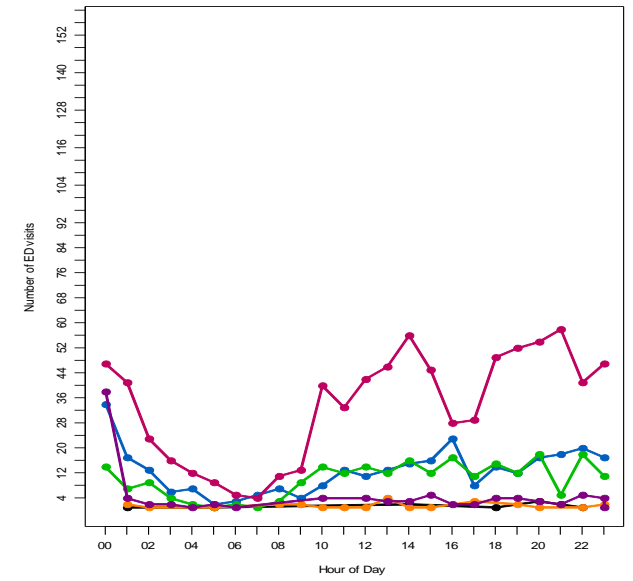
ED visit by hour and triage level for fiscal year 2005/2006



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 Calgary and facility Zones for each fiscal year and all years combined (Table 4);
- Residence RHA in Calgary Zone and facility RHA in all Zones for each fiscal year and all years combined (Table 5);
- Residence subRHA in Calgary 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, 94.7% of the children from Calgary Zone visited an ED located in their own Zone. In Table 5, 94.7% of the children from Calgary 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	%
Calgary	n	1328		1313		1426		1481		1548		1476		8572	
	Calgary	1252	94.3	1254	95.5	1361	95.4	1389	93.8	1471	95.0	1388	94.0	8115	94.7
	Central	24	1.8	16	1.2	33	2.3	35	2.4	22	1.4	27	1.8	157	1.8
	Edmonton	20	1.5	23	1.8	12	0.8	22	1.5	29	1.9	31	2.1	137	1.6
	North	10	0.8	-	-	-	-	17	1.1	8	0.5	6	0.4	50	0.6
	South	22	1.7	-	-	-	-	18	1.2	18	1.2	24	1.6	113	1.3
	Missing	0	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 5

Residence RHA	Facility RHA	02/03	%	03/04	%	04/05	%	05/06	%	06/07	%	07/08	%	All	%
R3 Calgary Health Region	n	1328		1313		1426		1481		1548		1476		8572	
	R1 Chinook Regional Health Authority	8	0.6	10	0.8	10	0.7	14	0.9	15	1.0	19	1.3	76	0.9
	R2 Palliser Health Region	14	1.1	-	-	6	0.4	-	-	-	-	-	-	37	0.4
	R3 Calgary Health Region	1252	94.3	1254	95.5	1361	95.4	1389	93.8	1471	95.0	1388	94.0	8115	94.7
	R4 David Thompson Regional Health Authority	23	1.7	14	1.1	30	2.1	30	2.0	20	1.3	27	1.8	144	1.7
	R5 East Central Health	-	-	-	-	-	-	-	-	-	-	0	0	13	0.2
	R6 Capital Health	20	1.5	23	1.8	12	0.8	22	1.5	29	1.9	31	2.1	137	1.6
	R7 Aspen Regional Health Authority	-	-	-	-	-	-	8	0.5	-	-	-	-	26	0.3
	R8 Peace Country Health	6	0.5	0	0	0	0	7	0.5	0	0	0	0	13	0.2
	R9 Northern Lights Health Region	0	0	-	-	0	0	-	-	-	-	-	-	11	0.1
	Missing	0	0	0	0	0	0	0	0	0	0	0	0	0	0

Counts between 1 and 5 (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 Calgary 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 Calgary 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 very few in each fiscal year (between 1 and 5).

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

Table 7

Diagnosis	02/03	%	03/04	%	04/05	%	05/06	%	06/07	%	07/08	%	All	%
n	188		241		288		266		291		319		1593	
F10 Mental and behavioural disorders due to alcohol use	143	76.1	175	72.6	202	70.1	183	68.8	215	73.9	224	70.2	1142	71.7
F11 Mental and behavioural disorders due to opioids use	0	0	-	-	-	-	-	-	-	-	-	-	8	0.5
F12 Mental and behavioural disorders due to cannabinoids use	16	8.5	30	12.4	23	8.0	24	9.0	23	7.9	26	8.2	142	8.9
F13 Mental and behavioural disorders due to sedatives/hypnotics use	-	-	0	0	0	0	0	0	0	0	-	-	-	-
F14 Mental and behavioural disorders due to cocaine use	-	-	8	3.3	-	-	15	5.6	18	6.2	20	6.3	78	4.9
F15 Mental and behavioural disorders due to other stimulants use	10	5.3	-	-	6	2.1	10	3.8	-	-	7	2.2	51	3.2
F17 Mental and behavioural disorders due to tobacco use	0	0	0	0	0	0	0	0	0	0	-	-	-	-
F18 Mental and behavioural disorders due to volatile solvents use	0	0	0	0	0	0	-	-	0	0	-	-	-	-
F19 Mental and behavioural disorders due to multiple drug use and other psychoactive	12	6.4	22	9.1	45	15.6	32	12.0	19	6.5	36	11.3	166	10.4

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: There was an overall increase in the number of ED mental health visits for Aboriginal children in Calgary Zone from 2002 to 2008.

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 Calgary Zone (Table 10);
- Aboriginal children in each subRHA for each fiscal year and all years combined for Calgary 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	69		72		82		98		91		99		511	
	R301 Calgary North East	0	0	-	-	-	-	-	-	-	-	-	-	12	2.3
	R302 Calgary Beddington Heights	0	0	-	-	0	0	-	-	0	0	0	0	-	-
	R303 Calgary Northwest	-	-	-	-	6	7.3	10	10.2	-	-	-	-	32	6.3
	R305 Calgary Charleswood	-	-	-	-	-	-	-	-	-	-	-	-	21	4.1
	R306 Calgary Marlborough	-	-	-	-	-	-	6	6.1	8	8.8	-	-	26	5.1
	R307 Calgary Shaganappi	7	10.1	-	-	0	0	0	0	-	-	0	0	11	2.2
	R308 Calgary Bowness	-	-	-	-	0	0	-	-	-	-	-	-	14	2.7
	R309 Calgary Scarboro	7	10.1	-	-	-	-	-	-	-	-	-	-	22	4.3
	R310 Calgary Forest Lawn	6	8.7	7	9.7	9	11.0	7	7.1	12	13.2	15	15.2	56	11.0
	R311 Calgary Lakeview	-	-	-	-	-	-	-	-	-	-	-	-	18	3.5
	R312 Calgary Mount Royal	0	0	0	0	0	0	-	-	0	0	-	-	-	-
	R313 Calgary Haysboro	6	8.7	-	-	9	11.0	-	-	10	11.0	10	10.1	41	8.0
	R314 Calgary Bonavista	0	0	-	-	-	-	-	-	-	-	-	-	12	2.3
	R315 Calgary South	0	0	0	0	-	-	0	0	-	-	-	-	-	-
	R320 Banff-Canmore	13	18.8	16	22.2	19	23.2	20	20.4	15	16.5	17	17.2	100	19.6
	R321 Didsbury-Strathmore	-	-	-	-	-	-	6	6.1	-	-	-	-	22	4.3
R322 Vulcan-Claresholm	9	13.0	9	12.5	17	20.7	13	13.3	21	23.1	15	15.2	84	16.4	
R323 High River-Black Diamond	-	-	7	9.7	-	-	8	8.2	-	-	6	6.1	32	6.3	

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 and self-harm were both in Didsbury-Strathmore region, and the lowest ED mental health visit frequencies were both in Calgary Mount Royal region. The highest ED mental health visit frequency for Aboriginal children was in Banff-Canmore region, and the lowest frequencies were in Calgary Beddington Heights, Calgary Mount Royal and Calgary South regions.

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 Calgary Zone.

Table 12

	SubRHA	02/03	%	03/04	%	04/05	%	05/06	%	06/07	%	07/08	%	All	%
Transferred	n	53		40		43		30		30		43		239	
	R301 Calgary North East	-	-	-	-	-	-	0	0	0	0	-	-	11	4.6
	R302 Calgary Beddington Heights	0	0	0	0	-	-	0	0	-	-	0	0	-	-
	R303 Calgary Northwest	-	-	0	0	-	-	-	-	-	-	-	-	14	5.9
	R304 Calgary University	-	-	-	-	0	0	-	-	-	-	0	0	8	3.3
	R305 Calgary Charleswood	-	-	-	-	6	14.0	0	0	-	-	-	-	16	6.7
	R306 Calgary Marlborough	-	-	-	-	-	-	-	-	0	0	6	14.0	11	4.6
	R307 Calgary Shaganappi	-	-	0	0	-	-	-	-	-	-	0	0	7	2.9
	R308 Calgary Bowness	-	-	0	0	-	-	-	-	-	-	-	-	15	6.3
	R309 Calgary Scarboro	-	-	-	-	0	0	-	-	0	0	0	0	6	2.5
	R310 Calgary Forest Lawn	-	-	-	-	-	-	-	-	-	-	-	-	14	5.9
	R311 Calgary Lakeview	0	0	-	-	0	0	-	-	-	-	0	0	-	-
	R312 Calgary Mount Royal	-	-	0	0	-	-	0	0	0	0	-	-	-	-
	R313 Calgary Haysboro	7	13.2	-	-	-	-	-	-	-	-	-	-	17	7.1
	R314 Calgary Bonavista	9	17.0	-	-	6	14.0	-	-	-	-	0	0	22	9.2
	R315 Calgary South	6	11.3	-	-	-	-	-	-	-	-	-	-	14	5.9
	R320 Banff-Canmore	0	0	-	-	-	-	-	-	-	-	-	-	11	4.6
R321 Didsbury-Strathmore	-	-	-	-	-	-	-	-	-	-	-	14	32.6	32	13.4
R322 Vulcan-Claresholm	-	-	-	-	0	0	-	-	0	0	-	-	8	3.3	
R323 High River-Black Diamond	-	-	6	15.0	7	16.3	-	-	-	-	-	-	22	9.2	

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 Didsbury-Strathmore 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.

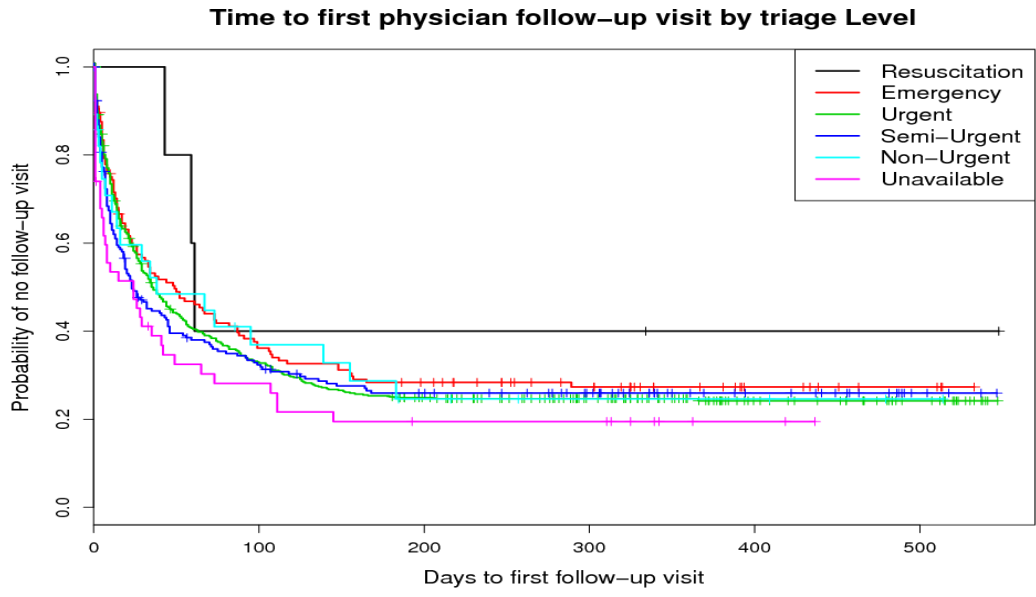
Table 13

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

Interpretation: In Calgary Zone, the number of follow-up visits to general practitioners was the largest, and to ‘Other’ physician specialties was the smallest.

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 Calgary 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.

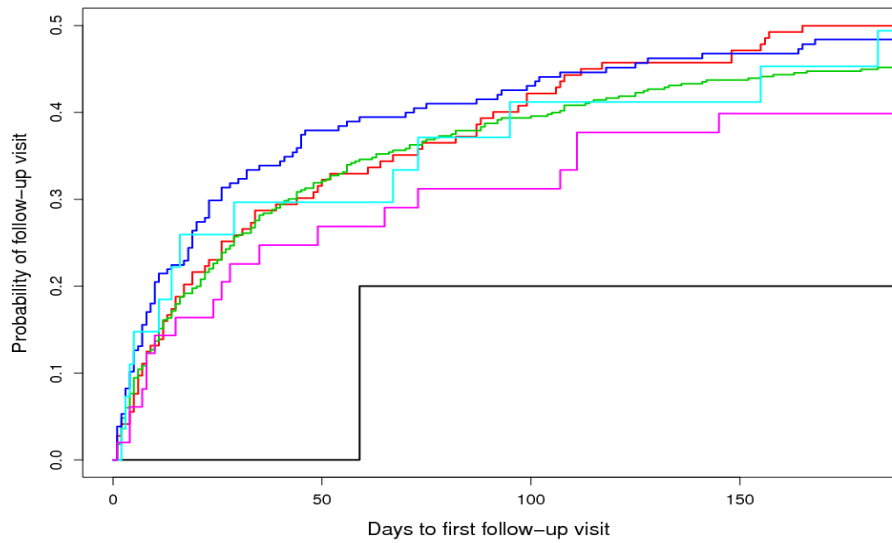
Interpretation: In Calgary Zone, for children with an unavailable ED triage level, the probabilities of their first follow-up visits occurring within 180 days were the highest. For children with an ED triage of resuscitation, the probabilities of their first follow-up visits occurring within 180 days were the lowest.

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

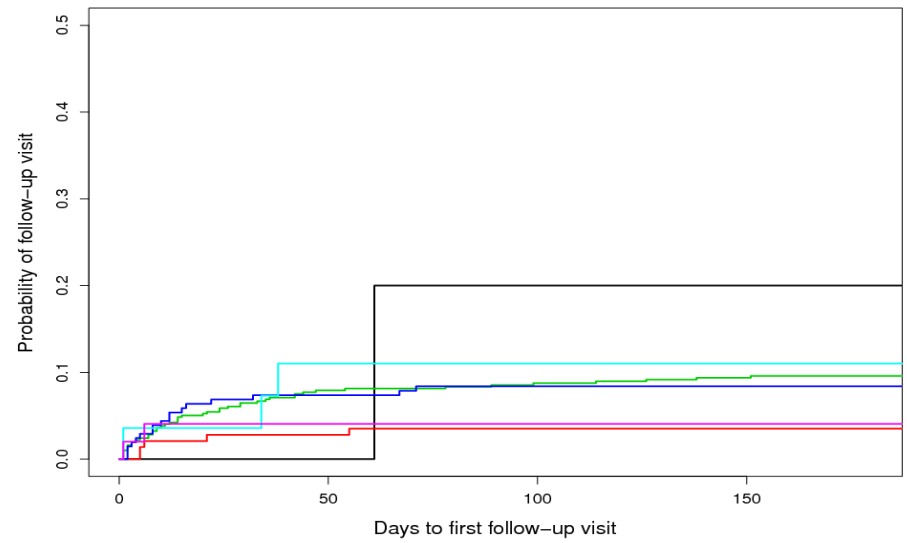
We plotted time to first physician follow-up visit by triage level for each specialty for Calgary Zone. The curves shown in these following graphs are the probabilities that the event of interest occurs before a given time. For some triage levels, patients did not have any follow-up with physicians of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

Interpretation: Among the four physician types, children in Calgary Zone were most likely to follow up to general practitioners within 150 days after their first ED visits (probabilities between 0.2 and 0.47).

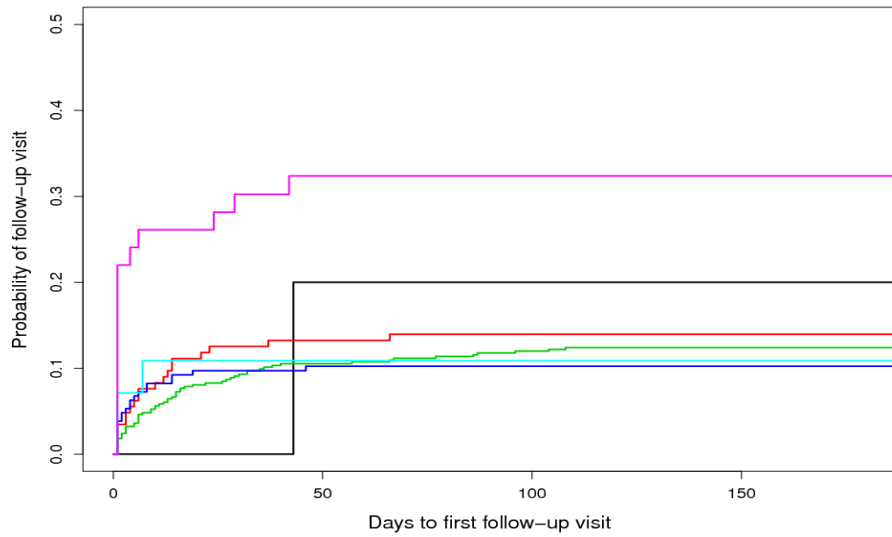
Time to first General Practitioner follow-up by triage level



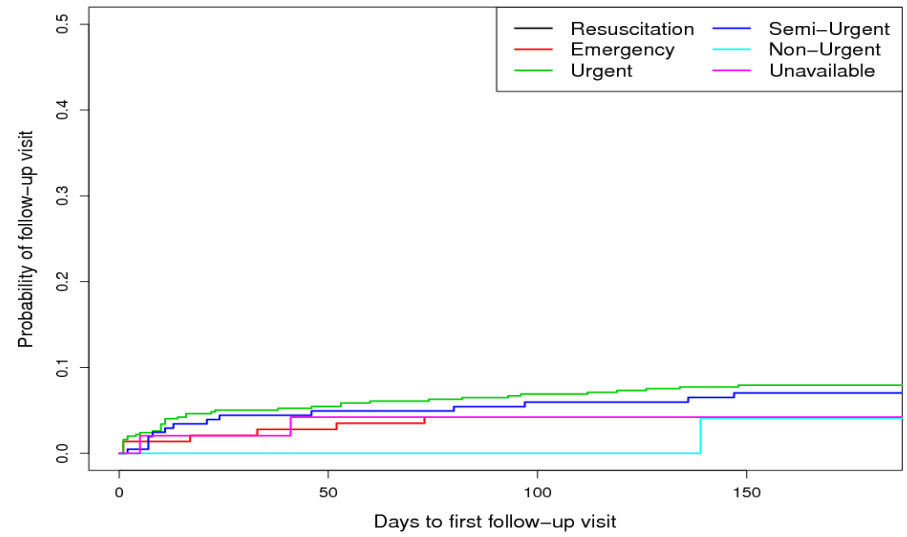
Time to first Pediatrician follow-up by triage level



Time to first Psychiatrist follow-up by triage level



Time to first Other specialties follow-up by triage level



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 Calgary 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	124		111		122		131		123		138		749		
	Substance use	22	17.7	20	18.0	25	20.5	25	19.1	16	13.0	20	14.5	128	17.1	
	Psychosis-related	-	-	-	-	-	-	-	-	-	-	-	-	20	2.7	
	Mood	17	13.7	26	23.4	21	17.2	16	12.2	31	25.2	33	23.9	144	19.2	
	Neurotic/stress-related	29	23.4	27	24.3	32	26.2	48	36.6	35	28.5	37	26.8	208	27.8	
	Behavioural syndrome	0	0	-	-	-	-	-	-	-	-	-	-	-	-	-
	Personality-related	-	-	0	0	-	-	-	-	0	0	-	-	9	1.2	
	Behavioural/Emotional	27	21.8	21	18.9	19	15.6	24	18.3	21	17.1	22	15.9	134	17.9	
	Unspecified	0	0	-	-	0	0	-	-	-	-	-	-	-	-	-
Self-harm	21	16.9	12	10.8	19	15.6	10	7.6	14	11.4	18	13.0	94	12.6		
May	n	127		126		136		150		148		177		864		
	Substance use	25	19.7	17	13.5	24	17.6	28	18.7	37	25.0	37	20.9	168	19.4	
	Psychosis-related	-	-	-	-	-	-	-	-	-	-	-	-	20	2.3	
	Mood	24	18.9	21	16.7	33	24.3	22	14.7	23	15.5	31	17.5	154	17.8	
	Neurotic/stress-related	29	22.8	34	27.0	32	23.5	39	26.0	41	27.7	60	33.9	235	27.2	
	Behavioural syndrome	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	Personality-related	-	-	-	-	-	-	-	-	-	-	-	-	15	1.7	
	Behavioural/Emotional	16	12.6	24	19.0	25	18.4	33	22.0	31	20.9	29	16.4	158	18.3	
	Unspecified	-	-	0	0	0	0	-	-	-	-	0	0	-	-	
Self-harm	24	18.9	22	17.5	13	9.6	16	10.7	11	7.4	14	7.9	100	11.6		
Jun	n	127		126		106		121		143		118		741		
	Substance use	18	14.2	30	23.8	20	18.9	13	10.7	35	24.5	32	27.1	148	20.0	
	Psychosis-related	-	-	0	0	-	-	-	-	-	-	-	-	-	-	
	Mood	13	10.2	17	13.5	29	27.4	26	21.5	23	16.1	18	15.3	126	17.0	
	Neurotic/stress-related	42	33.1	21	16.7	22	20.8	28	23.1	40	28.0	33	28.0	186	25.1	
	Behavioural syndrome	-	-	-	-	-	-	-	-	-	-	-	-	12	1.6	
	Personality-related	-	-	-	-	0	0	-	-	-	-	-	-	12	1.6	
	Behavioural/Emotional	26	20.5	34	27.0	19	17.9	32	26.4	28	19.6	21	17.8	160	21.6	
	Unspecified	-	-	0	0	0	0	0	0	0	0	0	0	-	-	
Self-harm	20	15.7	21	16.7	11	10.4	14	11.6	10	7.0	9	7.6	85	11.5		
Jul	n	87		80		81		109		98		98		553		
	Substance use	18	20.7	20	25	17	21.0	26	23.9	25	25.5	30	30.6	136	24.6	
	Psychosis-related	-	-	-	-	-	-	-	-	-	-	0	0	12	2.2	
	Mood	-	-	6	7.5	9	11.1	20	18.3	8	8.2	-	-	69	12.5	

Month	Diagnosis	02/03	%	03/04	%	04/05	%	05/06	%	06/07	%	07/08	%	All	%
	Neurotic/stress-related	21	24.1	18	22.5	25	30.9	27	24.8	39	39.8	23	23.5	153	27.7
	Behavioural syndrome	0	0	0	0	-	-	-	-	-	-	-	-	9	1.6
	Personality-related	0	0	-	-	-	-	-	-	0	0	0	0	9	1.6
	Behavioural/Emotional	18	20.7	18	22.5	13	16.0	23	21.1	12	12.2	12	12.2	96	17.4
	Unspecified	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	Self-harm	14	16.1	11	13.8	11	13.6	6	5.5	8	8.2	19	19.4	69	12.5
Aug	n	87		63		99		77		104		98		528	
	Substance use	21	24.1	14	22.2	20	20.2	16	20.8	29	27.9	24	24.5	124	23.5
	Psychosis-related	0	0	-	-	-	-	-	-	-	-	-	-	13	2.5
	Mood	8	9.2	7	11.1	15	15.2	9	11.7	12	11.5	15	15.3	66	12.5
	Neurotic/stress-related	24	27.6	17	27.0	33	33.3	24	31.2	35	33.7	32	32.7	165	31.2
	Behavioural syndrome	-	-	0	0	-	-	-	-	0	0	7	7.1	13	2.5
	Personality-related	-	-	-	-	-	-	-	-	0	0	-	-	-	-
	Behavioural/Emotional	12	13.8	13	20.6	10	10.1	12	15.6	16	15.4	6	6.1	69	13.1
	Unspecified	0	0	0	0	0	0	0	0	-	-	0	0	-	-
Self-harm	18	20.7	6	9.5	13	13.1	11	14.3	10	9.6	10	10.2	68	12.9	
Sep	n	88		113		128		125		109		107		670	
	Substance use	11	12.5	21	18.6	36	28.1	18	14.4	31	28.4	27	25.2	144	21.5
	Psychosis-related	-	-	-	-	-	-	-	-	-	-	-	-	17	2.5
	Mood	17	19.3	21	18.6	15	11.7	22	17.6	13	11.9	9	8.4	97	14.5
	Neurotic/stress-related	25	28.4	29	25.7	37	28.9	46	36.8	32	29.4	40	37.4	209	31.2
	Behavioural syndrome	-	-	0	0	-	-	-	-	-	-	0	0	-	-
	Personality-related	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	Behavioural/Emotional	16	18.2	18	15.9	16	12.5	12	9.6	15	13.8	14	13.1	91	13.6
	Unspecified	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Self-harm	13	14.8	19	16.8	19	14.8	17	13.6	14	12.8	12	11.2	94	14.0	
Oct	n	125		126		130		134		152		111		778	
	Substance use	16	12.8	20	15.9	29	22.3	31	23.1	18	11.8	21	18.9	135	17.4
	Psychosis-related	-	-	-	-	-	-	-	-	-	-	-	-	23	3.0
	Mood	24	19.2	19	15.1	30	23.1	20	14.9	39	25.7	27	24.3	159	20.4
	Neurotic/stress-related	23	18.4	39	31.0	30	23.1	34	25.4	38	25.0	31	27.9	195	25.1
	Behavioural syndrome	0	0	-	-	-	-	-	-	-	-	-	-	12	1.5
	Personality-related	0	0	-	-	-	-	-	-	-	-	-	-	8	1.0
	Behavioural/Emotional	44	35.2	20	15.9	25	19.2	23	17.2	29	19.1	15	13.5	156	20.1
Unspecified	0	0	0	0	0	0	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	-	-	20	15.9	-	-	16	11.9	19	12.5	11	9.9	90	11.6	
	n	115		114		141		143		141		120		774		
	Substance use	12	10.4	15	13.2	21	14.9	15	10.5	18	12.8	26	21.7	107	13.8	
	Psychosis-related	-	-	-	-	-	-	-	-	-	-	-	-	18	2.3	
	Mood	33	28.7	22	19.3	35	24.8	35	24.5	40	28.4	24	20.0	189	24.4	
	Neurotic/stress-related	25	21.7	31	27.2	41	29.1	36	25.2	39	27.7	25	20.8	197	25.5	
	Behavioural syndrome	-	-	0	0	-	-	-	-	-	-	-	-	-	-	-
	Personality-related	-	-	-	-	-	-	-	-	0	0	-	-	-	16	2.1
	Behavioural/Emotional	17	14.8	26	22.8	21	14.9	34	23.8	29	20.6	20	16.7	147	19.0	
	Unspecified	-	-	0	0	-	-	0	0	0	0	-	-	-	-	-
Dec	Self-harm	21	18.3	13	11.4	16	11.3	14	9.8	9	6.4	11	9.2	84	10.9	
	n	110		93		133		125		117		110		688		
	Substance use	15	13.6	17	18.3	27	20.3	23	18.4	24	20.5	18	16.4	124	18.0	
	Psychosis-related	-	-	-	-	-	-	0	0	-	-	-	-	18	2.6	
	Mood	23	20.9	21	22.6	22	16.5	25	20.0	22	18.8	17	15.5	130	18.9	
	Neurotic/stress-related	28	25.5	21	22.6	32	24.1	42	33.6	29	24.8	32	29.1	184	26.7	
	Behavioural syndrome	-	-	-	-	-	-	-	-	6	5.1	-	-	17	2.5	
	Personality-related	-	-	-	-	0	0	-	-	-	-	-	-	8	1.2	
	Behavioural/Emotional	26	23.6	20	21.5	23	17.3	18	14.4	13	11.1	21	19.1	121	17.6	
	Unspecified	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Jan	Self-harm	9	8.2	7	7.5	24	18.0	14	11.2	16	13.7	16	14.5	86	12.5	
	n	119		107		124		128		131		135		744		
	Substance use	7	5.9	29	27.1	22	17.7	30	23.4	23	17.6	31	23.0	142	19.1	
	Psychosis-related	-	-	-	-	-	-	-	-	-	-	-	-	25	3.4	
	Mood	29	24.4	19	17.8	21	16.9	17	13.3	34	26.0	26	19.3	146	19.6	
	Neurotic/stress-related	30	25.2	22	20.6	23	18.5	39	30.5	34	26.0	32	23.7	180	24.2	
	Behavioural syndrome	-	-	0	0	-	-	0	0	-	-	-	-	12	1.6	
	Personality-related	-	-	-	-	-	-	0	0	-	-	-	-	-	-	
	Behavioural/Emotional	25	21.0	11	10.3	26	21.0	26	20.3	18	13.7	16	11.9	122	16.4	
	Unspecified	-	-	0	0	0	0	0	0	0	0	0	0	-	-	
Feb	Self-harm	18	15.1	19	17.8	22	17.7	-	-	-	-	20	14.8	106	14.2	
	n	115		112		104		98		130		146		705		
	Substance use	10	8.7	11	9.8	15	14.4	15	15.3	15	11.5	27	18.5	93	13.2	
	Psychosis-related	-	-	-	-	-	-	-	-	-	-	-	-	25	3.5	
Mood	23	20.0	26	23.2	23	22.1	20	20.4	37	28.5	37	25.3	166	23.5		

Month	Diagnosis	02/03	%	03/04	%	04/05	%	05/06	%	06/07	%	07/08	%	All	%
	Neurotic/stress-related	30	26.1	29	25.9	26	25.0	23	23.5	29	22.3	42	28.8	179	25.4
	Behavioural syndrome	-	-	-	-	-	-	0	0	-	-	-	-	10	1.4
	Personality-related	-	-	-	-	-	-	-	-	-	-	0	0	11	1.6
	Behavioural/Emotional	23	20.0	19	17.0	24	23.1	23	23.5	20	15.4	15	10.3	124	17.6
	Unspecified	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	Self-harm	22	19.1	21	18.8	8	7.7	9	9.2	20	15.4	17	11.6	97	13.8
Mar	n	104		142		122		140		152		118		778	
	Substance use	13	12.5	27	19.0	32	26.2	26	18.6	20	13.2	26	22.0	144	18.5
	Psychosis-related	-	-	-	-	-	-	-	-	6	3.9	7	5.9	25	3.2
	Mood	20	19.2	29	20.4	20	16.4	22	15.7	30	19.7	10	8.5	131	16.8
	Neurotic/stress-related	38	36.5	35	24.6	25	20.5	36	25.7	45	29.6	44	37.3	223	28.7
	Behavioural syndrome	0	0	-	-	-	-	0	0	-	-	-	-	-	-
	Personality-related	-	-	-	-	-	-	-	-	-	-	-	-	10	1.3
	Behavioural/Emotional	14	13.5	25	17.6	25	20.5	32	22.9	28	18.4	12	10.2	136	17.5
	Unspecified	0	0	0	0	0	0	-	-	0	0	-	-	-	-
	Self-harm	14	13.5	21	14.8	13	10.7	16	11.4	17	11.2	16	13.6	97	12.5

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 Calgary 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	65		88		76		185		229		133		776	
	Substance use	22	33.8	37	42.0	34	44.7	28	15.1	32	14.0	43	32.3	196	25.3
	Psychosis-related	-	-	-	-	0	0	0	0	12	5.2	-	-	-	-
	Mood	-	-	10	11.4	-	-	27	14.6	79	34.5	23	17.3	153	19.7
	Neurotic/stress-related	17	26.2	16	18.2	18	23.7	58	31.4	57	24.9	34	25.6	200	25.8
	Behavioural syndrome	0	0	-	-	0	0	0	0	-	-	-	-	-	-
	Personality-related	-	-	-	-	0	0	11	5.9	-	-	-	-	24	3.1
	Behavioural/Emotional	7	10.8	-	-	-	-	52	28.1	29	12.7	12	9	108	13.9
	Unspecified	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Self-harm	12	18.5	13	14.8	13	17.1	9	4.9	13	5.7	16	12.0	76	9.8	
01:00-01:59	n	59		49		59		52		75		72		366	
	Substance use	27	45.8	22	44.9	28	47.5	26	50.0	35	46.7	41	56.9	179	48.9
	Psychosis-related	-	-	0	0	0	0	0	0	-	-	-	-	-	-
	Mood	-	-	-	-	-	-	8	15.4	10	13.3	-	-	33	9.0
	Neurotic/stress-related	11	18.6	12	24.5	13	22.0	9	17.3	11	14.7	13	18.1	69	18.9
	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	6	10.2	-	-	7	11.9	-	-	-	-	-	-	28	7.7
	Unspecified	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Self-harm	9	15.3	8	16.3	-	-	-	-	14	18.7	8	11.1	50	13.7	
02:00-02:59	n	23		42		49		43		54		48		259	
	Substance use	9	39.1	22	52.4	28	57.1	21	48.8	26	48.1	28	58.3	134	51.7
	Psychosis-related	0	0	0	0	-	-	-	-	-	-	0	0	-	-
	Mood	-	-	-	-	6	12.2	-	-	-	-	-	-	20	7.7
	Neurotic/stress-related	6	26.1	8	19.0	7	14.3	8	18.6	14	25.9	7	14.6	50	19.3
	Behavioural syndrome	0	0	-	-	0	0	0	0	-	-	0	0	-	-
	Personality-related	0	0	-	-	0	0	-	-	0	0	0	0	-	-
	Behavioural/Emotional	-	-	-	-	-	-	-	-	0	0	-	-	8	3.1
	Unspecified	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Self-harm	-	-	-	-	6	12.2	8	18.6	11	20.4	8	16.7	40	15.4	
03:00-03:59	n	26		18		31		20		37		28		160	
	Substance use	14	53.8	6	33.3	19	61.3	9	45.0	20	54.1	16	57.1	84	52.5
	Psychosis-related	0	0	0	0	-	-	-	-	-	-	-	-	-	-
	Mood	-	-	-	-	-	-	0	0	-	-	0	0	7	4.4

Hour	Diagnosis	02/03	%	03/04	%	04/05	%	05/06	%	06/07	%	07/08	%	All	%
	Neurotic/stress-related	7	26.9	-	-	-	-	6	30.0	-	-	-	-	27	16.9
	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	-	-	-	-	-	-	-	-	-	-	8	5.0
	Unspecified	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	Self-harm	-	-	6	33.3	-	-	-	-	7	18.9	-	-	27	16.9
04:00-04:59	n	17		20		18		18		16		22		111	
	Substance use	6	35.3	10	50.0	13	72.2	9	50.0	8	50.0	11	50.0	57	51.4
	Psychosis-related	0	0	-	-	-	-	-	-	0	0	0	0	-	-
	Mood	0	0	-	-	0	0	-	-	-	-	-	-	-	-
	Neurotic/stress-related	-	-	-	-	-	-	-	-	-	-	-	-	17	15.3
	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	-	-
	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	35.3	-	-	-	-	-	-	-	-	8	36.4	25	22.5	
05:00-05:59	n	7		6		15		10		17		16		71	
	Substance use	-	-	-	-	8	53.3	6	60.0	12	70.6	9	56.2	38	53.5
	Psychosis-related	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	Mood	-	-	-	-	0	0	0	0	-	-	-	-	-	-
	Neurotic/stress-related	0	0	-	-	-	-	-	-	0	0	-	-	9	12.7
	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	-	-
	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	-	-	-	-	-	-	-	-	-	-	-	-	12	16.9	
06:00-06:59	n	6		6		8		10		15		11		56	
	Substance use	-	-	-	-	-	-	-	-	-	-	-	-	20	35.7
	Psychosis-related	0	0	0	0	-	-	-	-	0	0	0	0	-	-
	Mood	-	-	0	0	0	0	-	-	-	-	-	-	6	10.7
	Neurotic/stress-related	-	-	-	-	-	-	-	-	6	40.0	-	-	15	26.8
	Behavioural syndrome	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	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	-	-	-	-	-	-	0	0	-	-	-	-	10	17.9
	n	8		12		11		14		15		10		70	
	Substance use	-	-	-	-	-	-	7	50.0	-	-	-	-	16	22.9
	Psychosis-related	0	0	-	-	0	0	0	0	-	-	0	0	-	-
	Mood	-	-	-	-	-	-	-	-	-	-	-	-	7	10.0
	Neurotic/stress-related	-	-	-	-	-	-	-	-	-	-	-	-	18	25.7
	Behavioural syndrome	-	-	0	0	0	0	0	0	-	-	0	0	-	-
	Personality-related	0	0	0	0	0	0	0	0	0	0	-	-	-	-
	Behavioural/Emotional	0	0	-	-	-	-	-	-	-	-	-	-	9	12.9
	Unspecified	0	0	0	0	0	0	0	0	0	0	0	0	0	0
08:00-08:59	Self-harm	-	-	-	-	-	-	-	-	-	-	-	-	14	20.0
	n	22		19		20		22		22		23		128	
	Substance use	-	-	0	0	-	-	0	0	-	-	6	26.1	14	10.9
	Psychosis-related	0	0	0	0	-	-	0	0	0	0	-	-	-	-
	Mood	-	-	6	31.6	-	-	-	-	6	27.3	-	-	28	21.9
	Neurotic/stress-related	6	27.3	6	31.6	-	-	8	36.4	6	27.3	-	-	33	25.8
	Behavioural syndrome	-	-	-	-	-	-	-	-	-	-	-	-	6	4.7
	Personality-related	-	-	-	-	0	0	0	0	0	0	-	-	-	-
	Behavioural/Emotional	0	0	-	-	-	-	-	-	-	-	-	-	14	10.9
	Unspecified	0	0	0	0	0	0	0	0	-	-	0	0	-	-
09:00-09:59	Self-harm	8	36.4	-	-	-	-	-	-	-	-	-	-	25	19.5
	n	44		45		41		40		44		28		242	
	Substance use	-	-	-	-	-	-	-	-	-	-	-	-	18	7.4
	Psychosis-related	-	-	-	-	-	-	-	-	0	0	0	0	9	3.7
	Mood	13	29.5	8	17.8	9	22.0	-	-	10	22.7	-	-	50	20.7
	Neurotic/stress-related	11	25.0	10	22.2	13	31.7	15	37.5	17	38.6	9	32.1	75	31.0
	Behavioural syndrome	0	0	-	-	-	-	-	-	-	-	0	0	-	-
	Personality-related	0	0	0	0	0	0	-	-	0	0	-	-	-	-
	Behavioural/Emotional	12	27.3	14	31.1	7	17.1	8	20.0	8	18.2	7	25.0	56	23.1
	Unspecified	0	0	0	0	0	0	0	0	0	0	0	0	0	0
10:00-10:59	Self-harm	-	-	6	13.3	-	-	-	-	-	-	-	-	25	10.3
	n	46		41		73		59		50		67		336	
	Substance use	-	-	-	-	6	8.2	-	-	-	-	10	14.9	27	8.0
	Psychosis-related	-	-	-	-	-	-	-	-	-	-	-	-	17	5.1
Mood	8	17.4	12	29.3	19	26.0	7	11.9	10	20.0	16	23.9	72	21.4	

Hour	Diagnosis	02/03	%	03/04	%	04/05	%	05/06	%	06/07	%	07/08	%	All	%
	Neurotic/stress-related	10	21.7	12	29.3	20	27.4	17	28.8	21	42.0	22	32.8	102	30.4
	Behavioural syndrome	-	-	-	-	-	-	0	0	-	-	-	-	9	2.7
	Personality-related	-	-	0	0	-	-	-	-	0	0	0	0	-	-
	Behavioural/Emotional	13	28.3	6	14.6	18	24.7	21	35.6	9	18.0	13	19.4	80	23.8
	Unspecified	-	-	0	0	0	0	-	-	0	0	0	0	-	-
	Self-harm	6	13.0	-	-	-	-	-	-	-	-	-	-	22	6.5
11:00-11:59	n	57		49		64		63		55		59		347	
	Substance use	-	-	-	-	7	10.9	-	-	-	-	-	-	25	7.2
	Psychosis-related	-	-	-	-	-	-	-	-	0	0	-	-	10	2.9
	Mood	13	22.8	7	14.3	17	26.6	17	27.0	20	36.4	13	22.0	87	25.1
	Neurotic/stress-related	19	33.3	15	30.6	17	26.6	20	31.7	15	27.3	18	30.5	104	30.0
	Behavioural syndrome	0	0	-	-	0	0	-	-	0	0	0	0	-	-
	Personality-related	0	0	-	-	0	0	0	0	0	0	0	0	-	-
	Behavioural/Emotional	16	28.1	11	22.4	14	21.9	15	23.8	12	21.8	15	25.4	83	23.9
	Unspecified	-	-	0	0	0	0	0	0	0	0	0	0	-	-
Self-harm	-	-	11	22.4	-	-	-	-	-	-	7	11.9	34	9.8	
12:00-12:59	n	66		62		63		60		68		72		391	
	Substance use	-	-	-	-	-	-	-	-	-	-	-	-	27	6.9
	Psychosis-related	0	0	0	0	-	-	-	-	-	-	-	-	-	-
	Mood	21	31.8	17	27.4	14	22.2	7	11.7	12	17.6	18	25.0	89	22.8
	Neurotic/stress-related	17	25.8	16	25.8	12	19.0	22	36.7	20	29.4	29	40.3	116	29.7
	Behavioural syndrome	-	-	0	0	-	-	0	0	-	-	-	-	14	3.6
	Personality-related	0	0	-	-	0	0	-	-	0	0	0	0	-	-
	Behavioural/Emotional	12	18.2	15	24.2	21	33.3	17	28.3	19	27.9	8	11.1	92	23.5
	Unspecified	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Self-harm	7	10.6	9	14.5	-	-	-	-	6	8.8	8	11.1	38	9.7	
13:00-13:59	n	66		74		76		75		55		78		424	
	Substance use	-	-	6	8.1	7	9.2	-	-	6	10.9	-	-	28	6.6
	Psychosis-related	-	-	-	-	-	-	-	-	-	-	-	-	12	2.8
	Mood	17	25.8	18	24.3	25	32.9	13	17.3	12	21.8	15	19.2	100	23.6
	Neurotic/stress-related	15	22.7	19	25.7	16	21.1	24	32.0	11	20.0	28	35.9	113	26.7
	Behavioural syndrome	-	-	0	0	0	0	-	-	-	-	-	-	8	1.9
	Personality-related	-	-	-	-	-	-	-	-	0	0	-	-	12	2.8
	Behavioural/Emotional	22	33.3	16	21.6	18	23.7	18	24.0	18	32.7	19	24.4	111	26.2
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	%	
14:00-14:59	Self-harm	-	-	10	13.5	6	7.9	8	10.7	6	10.9	-	-	40	9.4	
	n	71		74		75		70		74		93		457		
	Substance use	-	-	-	-	9	12.0	6	8.6	6	8.1	13	14.0	45	9.8	
	Psychosis-related	-	-	-	-	-	-	0	0	-	-	-	-	12	2.6	
	Mood	17	23.9	21	28.4	13	17.3	19	27.1	17	23.0	17	18.3	104	22.8	
	Neurotic/stress-related	16	22.5	17	23.0	20	26.7	20	28.6	24	32.4	25	26.9	122	26.7	
	Behavioural syndrome	-	-	-	-	-	-	-	-	-	-	-	-	-	12	2.6
	Personality-related	-	-	-	-	-	-	-	-	-	-	-	-	-	9	2.0
	Behavioural/Emotional	22	31.0	15	20.3	22	29.3	14	20.0	15	20.3	20	21.5	108	23.6	
	Unspecified	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
15:00-15:59	Self-harm	7	9.9	8	10.8	-	-	8	11.4	-	-	12	12.9	45	9.8	
	n	77		83		73		67		73		79		452		
	Substance use	7	9.1	7	8.4	8	11.0	9	13.4	13	17.8	15	19.0	59	13.1	
	Psychosis-related	-	-	-	-	0	0	-	-	-	-	-	-	13	2.9	
	Mood	19	24.7	21	25.3	16	21.9	13	19.4	18	24.7	16	20.3	103	22.8	
	Neurotic/stress-related	27	35.1	24	28.9	22	30.1	22	32.8	17	23.3	24	30.4	136	30.1	
	Behavioural syndrome	0	0	0	0	-	-	-	-	-	-	-	-	-	-	-
	Personality-related	-	-	-	-	-	-	0	0	-	-	-	-	-	7	1.5
	Behavioural/Emotional	16	20.8	21	25.3	14	19.2	15	22.4	15	20.5	15	19.0	96	21.2	
	Unspecified	0	0	0	0	0	0	0	0	0	0	-	-	-	-	-
16:00-16:59	Self-harm	-	-	-	-	9	12.3	-	-	7	9.6	-	-	32	7.1	
	n	65		70		88		81		100		70		474		
	Substance use	-	-	-	-	10	11.4	8	9.9	12	12.0	8	11.4	43	9.1	
	Psychosis-related	-	-	-	-	-	-	-	-	-	-	-	-	10	2.1	
	Mood	17	26.2	17	24.3	16	18.2	17	21.0	21	21.0	17	24.3	105	22.2	
	Neurotic/stress-related	13	20.0	19	27.1	27	30.7	26	32.1	31	31.0	26	37.1	142	30.0	
	Behavioural syndrome	0	0	0	0	-	-	0	0	-	-	-	-	8	1.7	
	Personality-related	-	-	-	-	0	0	-	-	-	-	-	-	8	1.7	
	Behavioural/Emotional	15	23.1	21	30.0	17	19.3	21	25.9	24	24.0	7	10.0	105	22.2	
	Unspecified	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
17:00-17:59	Self-harm	12	18.5	8	11.4	12	13.6	6	7.4	9	9.0	6	8.6	53	11.2	
	n	72		73		66		69		63		53		396		
	Substance use	-	-	12	16.4	8	12.1	-	-	7	11.1	9	17.0	48	12.1	
	Psychosis-related	-	-	-	-	-	-	-	-	-	-	-	-	18	4.5	
Mood	14	19.4	13	17.8	19	28.8	21	30.4	13	20.6	9	17.0	89	22.5		

Hour	Diagnosis	02/03	%	03/04	%	04/05	%	05/06	%	06/07	%	07/08	%	All	%	
	Neurotic/stress-related	21	29.2	14	19.2	18	27.3	20	29.0	19	30.2	15	28.3	107	27.0	
	Behavioural syndrome	-	-	0	0	-	-	0	0	-	-	0	0	-	-	
	Personality-related	0	0	-	-	-	-	0	0	0	0	-	-	-	-	
	Behavioural/Emotional	18	25.0	17	23.3	12	18.2	10	14.5	12	19.0	8	15.1	77	19.4	
	Unspecified	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	Self-harm	8	11.1	14	19.2	-	-	-	-	8	12.7	7	13.2	47	11.9	
18:00-18:59	n	90		76		86		85		78		83		498		
	Substance use	9	10.0	9	11.8	10	11.6	10	11.8	-	-	-	-	52	10.4	
	Psychosis-related	-	-	-	-	-	-	0	0	-	-	0	0	9	1.8	
	Mood	16	17.8	15	19.7	16	18.6	19	22.4	14	17.9	21	25.3	101	20.3	
	Neurotic/stress-related	25	27.8	21	27.6	21	24.4	18	21.2	30	38.5	29	34.9	144	28.9	
	Behavioural syndrome	0	0	-	-	-	-	-	-	-	-	-	-	12	2.4	
	Personality-related	-	-	-	-	-	-	-	-	-	-	0	0	-	-	
	Behavioural/Emotional	23	25.6	16	21.1	24	27.9	24	28.2	17	21.8	10	12.0	114	22.9	
	Unspecified	0	0	-	-	0	0	-	-	0	0	0	0	-	-	
Self-harm	11	12.2	8	10.5	8	9.3	10	11.8	7	9.0	12	14.5	56	11.2		
19:00-19:59	n	87		68		88		93		75		82		493		
	Substance use	-	-	-	-	-	-	10	10.8	8	10.7	6	7.3	43	8.7	
	Psychosis-related	-	-	6	8.8	0	0	-	-	-	-	-	-	14	2.8	
	Mood	14	16.1	12	17.6	24	27.3	20	21.5	12	16.0	16	19.5	98	19.9	
	Neurotic/stress-related	30	34.5	18	26.5	25	28.4	24	25.8	24	32.0	34	41.5	155	31.4	
	Behavioural syndrome	0	0	-	-	-	-	-	-	-	-	-	-	8	1.6	
	Personality-related	0	0	0	0	0	0	-	-	0	0	-	-	-	-	
	Behavioural/Emotional	21	24.1	17	25.0	16	18.2	25	26.9	17	22.7	13	15.9	109	22.1	
	Unspecified	0	0	0	0	0	0	0	0	0	0	-	-	-	-	
Self-harm	14	16.1	8	11.8	14	15.9	11	11.8	9	12.0	6	7.3	62	12.6		
20:00-20:59	n	88		80		81		93		77		96		515		
	Substance use	7	8.0	13	16.2	9	11.1	18	19.4	13	16.9	13	13.5	73	14.2	
	Psychosis-related	-	-	-	-	-	-	-	-	0	0	-	-	13	2.5	
	Mood	17	19.3	16	20.0	10	12.3	16	17.2	15	19.5	21	21.9	95	18.4	
	Neurotic/stress-related	22	25.0	19	23.8	25	30.9	32	34.4	24	31.2	25	26.0	147	28.5	
	Behavioural syndrome	-	-	0	0	-	-	-	-	-	-	-	-	-	-	
	Personality-related	-	-	-	-	0	0	-	-	0	0	-	-	10	1.9	
	Behavioural/Emotional	19	21.6	18	22.5	22	27.2	8	8.6	13	16.9	18	18.8	98	19.0	
Unspecified	-	-	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	16	18.2	10	12.5	-	-	11	11.8	-	-	12	12.5	67	13.0	
	n	89		84		76		78		76		85		488		
	Substance use	17	19.1	20	23.8	12	15.8	13	16.7	6	7.9	18	21.2	86	17.6	
	Psychosis-related	-	-	-	-	-	-	0	0	-	-	-	-	14	2.9	
	Mood	12	13.5	9	10.7	13	17.1	13	16.7	21	27.6	14	16.5	82	16.8	
	Neurotic/stress-related	24	27.0	22	26.2	22	28.9	21	26.9	22	28.9	24	28.2	135	27.7	
	Behavioural syndrome	0	0	0	0	-	-	0	0	-	-	-	-	-	-	
	Personality-related	-	-	-	-	-	-	-	-	0	0	-	-	-	8	1.6
	Behavioural/Emotional	13	14.6	14	16.7	11	14.5	13	16.7	16	21.1	9	10.6	76	15.6	
	Unspecified	0	0	0	0	0	0	-	-	0	0	0	0	-	-	
22:00-22:59	Self-harm	17	19.1	17	20.2	15	19.7	13	16.7	7	9.2	13	15.3	82	16.8	
	n	95		90		92		74		73		86		510		
	Substance use	11	11.6	20	22.2	26	28.3	18	24.3	17	23.3	23	26.7	115	22.5	
	Psychosis-related	-	-	-	-	-	-	-	-	0	0	-	-	10	2.0	
	Mood	8	8.4	6	6.7	17	18.5	12	16.2	7	9.6	14	16.3	64	12.5	
	Neurotic/stress-related	23	24.2	29	32.2	22	23.9	18	24.3	20	27.4	32	37.2	144	28.2	
	Behavioural syndrome	-	-	0	0	-	-	0	0	-	-	0	0	-	-	
	Personality-related	-	-	-	-	-	-	-	-	-	-	0	0	6	1.2	
	Behavioural/Emotional	15	15.8	14	15.6	-	-	7	9.5	9	12.3	-	-	57	11.2	
	Unspecified	0	0	0	0	0	0	0	0	-	-	-	-	-	-	
23:00-23:59	Self-harm	33	34.7	18	20.0	17	18.5	13	17.6	16	21.9	10	11.6	107	21.0	
	n	82		84		97		100		107		81		551		
	Substance use	18	22.0	25	29.8	23	23.7	38	38.0	37	34.6	25	30.9	166	30.1	
	Psychosis-related	-	-	-	-	-	-	0	0	-	-	-	-	14	2.5	
	Mood	16	19.5	-	-	17	17.5	10	10.0	-	-	11	13.6	74	13.4	
	Neurotic/stress-related	19	23.2	15	17.9	25	25.8	21	21.0	35	32.7	19	23.5	134	24.3	
	Behavioural syndrome	0	0	0	0	-	-	-	-	-	-	-	-	-	-	
	Personality-related	-	-	0	0	-	-	-	-	0	0	0	0	6	1.1	
	Behavioural/Emotional	10	12.2	15	17.9	7	7.2	11	11.0	16	15.0	12	14.8	71	12.9	
	Unspecified	0	0	0	0	0	0	0	0	-	-	0	0	-	-	
Self-harm	14	17.1	13	15.5	20	20.6	16	16.0	8	7.5	10	12.3	81	14.7		

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 Calgary 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	%
R301 Calgary North East	n	73		88		67		75		94		91		488	
	R308 Calgary Bowness	28	38.4	33	37.5	21	31.3	23	30.7	83	88.3	81	89.0	269	55.1
	R311 Calgary Lakeview	34	46.6	43	48.9	32	47.8	46	61.3	0	0	0	0	155	31.8
R302 Calgary Beddington Heights	n	55		70		57		69		73		67		391	
	R303 Calgary Northwest	0	0	16	22.9	15	26.3	10	14.5	9	12.3	-	-	53	13.6
	R308 Calgary Bowness	27	49.1	13	18.6	14	24.6	24	34.8	61	83.6	59	88.1	198	50.6
R303 Calgary Northwest	R311 Calgary Lakeview	26	47.3	38	54.3	24	42.1	30	43.5	0	0	0	0	118	30.2
	n	65		95		102		112		108		114		596	
	R303 Calgary Northwest	40	61.5	53	55.8	49	48.0	41	36.6	35	32.4	35	30.7	253	42.4
	R308 Calgary Bowness	8	12.3	-	-	9	8.8	12	10.7	64	59.3	65	57.0	162	27.2
	R311 Calgary Lakeview	12	18.5	26	27.4	36	35.3	45	40.2	0	0	0	0	119	20.0
R304 Calgary University	R312 Calgary Mount Royal	-	-	-	-	-	-	6	5.4	-	-	6	5.3	21	3.5
	n	31		38		50		39		38		43		239	
	R308 Calgary Bowness	14	45.2	16	42.1	23	46.0	21	53.8	37	97.4	40	93.0	151	63.2
	R311 Calgary Lakeview	15	48.4	19	50.0	23	46.0	14	35.9	0	0	0	0	71	29.7
	n	120		93		114		95		108		92		622	
R305 Calgary Charleswood	R303 Calgary Northwest	11	9.2	20	21.5	20	17.5	18	18.9	13	12.0	12	13.0	94	15.1
	R308 Calgary Bowness	40	33.3	27	29.0	35	30.7	27	28.4	82	75.9	70	76.1	281	45.2
	R311 Calgary Lakeview	53	44.2	39	41.9	48	42.1	47	49.5	0	0	0	0	187	30.1
	R312 Calgary Mount Royal	9	7.5	-	-	-	-	0	0	6	5.6	-	-	24	3.9
	n	75		75		69		87		75		78		459	
R306 Calgary Marlborough	R303 Calgary Northwest	29	38.7	30	40.0	26	37.7	33	37.9	26	34.7	35	44.9	179	39.0
	R308 Calgary Bowness	-	-	12	16.0	13	18.8	-	-	46	61.3	39	50.0	118	25.7
	R311 Calgary Lakeview	31	41.3	24	32.0	27	39.1	40	46.0	0	0	0	0	122	26.6
	n	48		48		62		56		56		42		312	
R307 Calgary Shaganappi	R303 Calgary Northwest	6	12.5	-	-	0	0	-	-	-	-	-	-	14	4.5
	R308 Calgary Bowness	7	14.6	-	-	15	24.2	20	35.7	48	85.7	30	71.4	125	40.1
	R311 Calgary Lakeview	22	45.8	28	58.3	38	61.3	23	41.1	0	0	0	0	111	35.6
	R312 Calgary Mount Royal	13	27.1	8	16.7	7	11.3	7	12.5	7	12.5	-	-	47	15.1
	n	71		50		92		59		87		79		438	
R308 Calgary Bowness	R303 Calgary Northwest	6	8.5	8	16.0	17	18.5	-	-	10	11.5	12	15.2	58	13.2
	R308 Calgary Bowness	27	38.0	16	32.0	24	26.1	21	35.6	66	75.9	60	75.9	214	48.9
	R311 Calgary Lakeview	32	45.1	19	38.0	39	42.4	30	50.8	0	0	0	0	120	27.4
	R312 Calgary Mount Royal	-	-	-	-	8	8.7	-	-	-	-	-	-	23	5.3
	n	71		50		92		59		87		79		438	

Residence subRHA	Facility subRHA	02/03	%	03/04	%	04/05	%	05/06	%	06/07	%	07/08	%	All	%
R309 Calgary Scarboro	n	61		59		41		65		71		42		339	
	R303 Calgary Northwest	13	21.3	11	18.6	-	-	12	18.5	-	-	-	-	47	13.9
	R308 Calgary Bowness	7	11.5	13	22.0	8	19.5	15	23.1	54	76.1	33	78.6	130	38.3
	R311 Calgary Lakeview	28	45.9	25	42.4	20	48.8	31	47.7	0	0	0	0	104	30.7
	R312 Calgary Mount Royal	-	-	-	-	6	14.6	-	-	6	8.5	-	-	27	8.0
R310 Calgary Forest Lawn	n	97		115		94		115		94		87		602	
	R303 Calgary Northwest	35	36.1	43	37.4	27	28.7	33	28.7	30	31.9	28	32.2	196	32.6
	R308 Calgary Bowness	10	10.3	20	17.4	23	24.5	10	8.7	51	54.3	43	49.4	157	26.1
	R311 Calgary Lakeview	38	39.2	43	37.4	36	38.3	58	50.4	0	0	0	0	175	29.1
	R312 Calgary Mount Royal	6	6.2	6	5.2	-	-	0	0	-	-	-	-	20	3.3
R311 Calgary Lakeview	n	49		41		39		51		67		62		309	
	R201 Palliser North and Central	8	16.3	0	0	0	0	0	0	0	0	0	0	8	2.6
	R303 Calgary Northwest	6	12.2	-	-	-	-	-	-	-	-	-	-	22	7.1
	R308 Calgary Bowness	9	18.4	9	22.0	9	23.1	7	13.7	44	65.7	50	80.6	128	41.4
	R311 Calgary Lakeview	17	34.7	18	43.9	21	53.8	29	56.9	0	0	0	0	85	27.5
	R312 Calgary Mount Royal	-	-	9	22.0	-	-	7	13.7	14	20.9	6	9.7	44	14.2
R312 Calgary Mount Royal	n	26		17		28		32		39		21		163	
	R308 Calgary Bowness	-	-	-	-	-	-	8	25.0	32	82.1	17	81.0	70	42.9
	R311 Calgary Lakeview	11	42.3	6	35.3	10	35.7	9	28.1	0	0	0	0	36	22.1
	R312 Calgary Mount Royal	9	34.6	-	-	13	46.4	11	34.4	-	-	-	-	45	27.6
R313 Calgary Haysboro	n	119		87		112		123		127		114		682	
	R303 Calgary Northwest	9	7.6	6	6.9	9	8.0	6	4.9	7	5.5	-	-	41	6.0
	R308 Calgary Bowness	8	6.7	10	11.5	19	17.0	20	16.3	84	66.1	66	57.9	207	30.4
	R311 Calgary Lakeview	44	37.0	40	46.0	40	35.7	58	47.2	0	0	0	0	182	26.7
	R312 Calgary Mount Royal	47	39.5	30	34.5	34	30.4	34	27.6	30	23.6	34	29.8	209	30.6
R314 Calgary Bonavista	n	109		95		116		87		80		100		587	
	R303 Calgary Northwest	9	8.3	-	-	-	-	-	-	-	-	-	-	22	3.7
	R308 Calgary Bowness	12	11.0	12	12.6	12	10.3	10	11.5	48	60.0	62	62.0	156	26.6
	R311 Calgary Lakeview	39	35.8	34	35.8	50	43.1	42	48.3	0	0	0	0	165	28.1
	R312 Calgary Mount Royal	44	40.4	39	41.1	38	32.8	24	27.6	24	30.0	31	31.0	200	34.1
R315 Calgary South	n	63		72		81		60		82		66		424	
	R308 Calgary Bowness	-	-	12	16.7	7	8.6	7	11.7	51	62.2	38	57.6	120	28.3
	R311 Calgary Lakeview	23	36.5	29	40.3	36	44.4	28	46.7	0	0	0	0	116	27.4
	R312 Calgary Mount Royal	29	46.0	26	36.1	36	44.4	22	36.7	23	28.0	23	34.8	159	37.5

Residence subRHA	Facility subRHA	02/03	%	03/04	%	04/05	%	05/06	%	06/07	%	07/08	%	All	%
R320 Banff-Canmore	n	44		49		54		59		77		78		361	
	R308 Calgary Bowness	19	43.2	18	36.7	13	24.1	8	13.6	41	53.2	35	44.9	134	37.1
	R311 Calgary Lakeview	7	15.9	-	-	8	14.8	17	28.8	0	0	0	0	36	10.0
	R320 Banff-Canmore	13	29.5	20	40.8	22	40.7	16	27.1	25	32.5	34	43.6	130	36.0
	R604 Edmonton Eastwood	0	0	-	-	-	-	8	13.6	-	-	-	-	15	4.2
R321 Didsbury-Strathmore	n	108		97		120		147		144		178		794	
	R303 Calgary Northwest	22	20.4	18	18.6	18	15.0	23	15.6	15	10.4	15	8.4	111	14.0
	R308 Calgary Bowness	15	13.9	10	10.3	19	15.8	21	14.3	70	48.6	86	48.3	221	27.8
	R311 Calgary Lakeview	23	21.3	21	21.6	35	29.2	40	27.2	0	0	0	0	119	15.0
	R312 Calgary Mount Royal	-	-	-	-	-	-	8	5.4	-	-	7	3.9	29	3.7
	R321 Didsbury-Strathmore	29	26.9	38	39.2	38	31.7	38	25.9	41	28.5	58	32.6	242	30.5
	R406 Red Deer	0	0	0	0	-	-	8	5.4	-	-	0	0	12	1.5
	R408 Drumheller-Hanna	6	5.6	-	-	-	-	0	0	-	-	-	-	14	1.8
R322 Vulcan-Claresholm	n	29		31		33		43		51		38		225	
	R303 Calgary Northwest	-	-	-	-	-	-	7	16.3	6	11.8	-	-	27	12.0
	R308 Calgary Bowness	0	0	-	-	-	-	-	-	9	17.6	6	15.8	22	9.8
	R311 Calgary Lakeview	-	-	-	-	-	-	9	20.9	0	0	0	0	20	8.9
	R321 Didsbury-Strathmore	-	-	-	-	10	30.3	9	20.9	12	23.5	9	23.7	49	21.8
	R322 Vulcan-Claresholm	8	27.6	14	45.2	-	-	10	23.3	15	29.4	9	23.7	61	27.1
R323 High River-Black Diamond	n	85		93		95		107		77		84		541	
	R308 Calgary Bowness	12	14.1	9	9.7	-	-	-	-	24	31.2	28	33.3	81	15.0
	R311 Calgary Lakeview	12	14.1	15	16.1	15	15.8	17	15.9	0	0	0	0	59	10.9
	R312 Calgary Mount Royal	-	-	8	8.6	10	10.5	11	10.3	7	9.1	-	-	46	8.5
	R323 High River-Black Diamond	51	60.0	50	53.8	59	62.1	61	57.0	41	53.2	44	52.4	306	56.6

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

Table 8: Frequency (n) and percentage (%) of ED visits for Calgary Zone by types of self-harm within 10 ambulatory care diagnostic fields for each fiscal year separately and all years combined.

Code	Diagnosis	02/03	%	03/04	%	04/05	%	05/06	%	06/07	%	07/08	%	All	%	
Dx01	n	210		192		177		157		161		173		1070		
	Other	205	97.6	190	99.0	174	98.3	-	-	-	-	-	-	1052	98.3	
	T71 Asphyxiation	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	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	0	0	0	0	0	0	
	Missing	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
Dx02	n	210		192		177		157		161		173		1070		
	Other	107	51.0	80	41.7	83	46.9	65	41.4	72	44.7	78	45.1	485	45.3	
	T71 Asphyxiation	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
	X60-X69 Intentional self-poisoning	83	39.5	87	45.3	69	39.0	61	38.9	66	41.0	66	38.2	432	40.4	
	X70-X84 Intentional self-harm by specific means	20	9.5	25	13.0	25	14.1	31	19.7	23	14.3	29	16.8	153	14.3	
	Missing	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
Dx03	n	210		192		177		157		161		173		1070		
	Other	138	65.7	148	77.1	123	69.5	112	71.3	120	74.5	122	70.5	763	71.3	
	T71 Asphyxiation	-	-	-	-	0	0	0	0	0	0	0	0	-	-	
	X60-X69 Intentional self-poisoning	52	24.8	26	13.5	36	20.3	25	15.9	24	14.9	34	19.7	197	18.4	
	X70-X84 Intentional self-harm by specific means	-	-	15	7.8	18	10.2	20	12.7	-	-	17	9.8	105	9.8	
	Missing	0	0	-	-	0	0	0	0	-	-	0	0	-	-	
Dx04	n	210		192		177		157		161		173		1070		
	Other	167	79.5	156	81.2	148	83.6	133	84.7	129	80.1	146	84.4	879	82.1	
	T71 Asphyxiation	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
	X60-X69 Intentional self-poisoning	27	12.9	20	10.4	19	10.7	13	8.3	18	11.2	17	9.8	114	10.7	
	X70-X84 Intentional self-harm by specific means	6	2.9	8	4.2	-	-	-	-	8	5.0	-	-	36	3.4	
	Missing	10	4.8	8	4.2	-	-	-	-	6	3.7	-	-	41	3.8	
Dx05	n	210		192		177		157		161		173		1070		
	Other	127	60.5	102	53.1	98	55.4	91	58.0	96	59.6	101	58.4	615	57.5	
	T71 Asphyxiation	0	0	0	0	-	-	0	0	0	0	0	0	-	-	
	X60-X69 Intentional self-poisoning	-	-	6	3.1	15	8.5	-	-	-	-	-	-	58	5.4	
	X70-X84 Intentional self-harm by specific means	-	-	7	3.6	-	-	-	-	-	-	-	-	-	-	
	Missing	70	33.3	77	40.1	61	34.5	58	36.9	53	32.9	58	33.5	377	35.2	
Dx06	n	210		192		177		157		161		173		1070		
	Other	60	28.6	50	26.0	47	26.6	51	32.5	57	35.4	62	35.8	327	30.6	
	T71 Asphyxiation	0	0	0	0	0	0	0	0	0	0	0	0	0	0	

Code	Diagnosis	02/03	%	03/04	%	04/05	%	05/06	%	06/07	%	07/08	%	All	%
	X60-X69 Intentional self-poisoning	-	-	-	-	-	-	-	-	-	-	16	9.2	71	6.6
	X70-X84 Intentional self-harm by specific means	-	-	-	-	-	-	-	-	-	-	0	0	7	0.7
	Missing	128	61.0	131	68.2	118	66.7	101	64.3	92	57.1	95	54.9	665	62.1
Dx07	n	210		192		177		157		161		173		1070	
	Other	37	17.6	-	-	36	20.3	26	16.6	-	-	43	24.9	198	18.5
	T71 Asphyxiation	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	X60-X69 Intentional self-poisoning	-	-	9	4.7	-	-	-	-	-	-	-	-	-	-
	X70-X84 Intentional self-harm by specific means	-	-	-	-	-	-	-	-	0	0	-	-	-	-
	Missing	167	79.5	162	84.4	137	77.4	128	81.5	120	74.5	123	71.1	837	78.2
Dx08	n	210		192		177		157		161		173		1070	
	Other	-	-	-	-	-	-	14	8.9	16	9.9	18	10.4	96	9.0
	T71 Asphyxiation	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	X60-X69 Intentional self-poisoning	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	X70-X84 Intentional self-harm by specific means	0	0	0	0	0	0	-	-	-	-	-	-	-	-
	Missing	186	88.6	173	90.1	161	91.0	139	88.5	139	86.3	150	86.7	948	88.6
Dx09	n	210		192		177		157		161		173		1070	
	Other	-	-	-	-	-	-	-	-	10	6.2	-	-	55	5.1
	T71 Asphyxiation	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	X60-X69 Intentional self-poisoning	-	-	-	-	-	-	-	-	0	0	-	-	8	0.7
	X70-X84 Intentional self-harm by specific means	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	Missing	200	95.2	183	95.3	169	95.5	150	95.5	151	93.8	154	89.0	1007	94.1
Dx10	n	210		192		177		157		161		173		1070	
	Other	-	-	-	-	-	-	-	-	7	4.3	10	5.8	-	-
	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	0	0	0	0	0	0
	Missing	-	-	187	97.4	171	96.6	-	-	154	95.7	163	94.2	1036	96.8

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 Calgary 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	%
Substance use	n	188		241		288		266		291		319		1593	
	R301 Calgary North East	7	3.7	16	6.6	9	3.1	9	3.4	19	6.5	20	6.3	80	5.0
	R302 Calgary Beddington Heights	-	-	9	3.7	11	3.8	-	-	-	-	14	4.4	46	2.9
	R303 Calgary Northwest	6	3.2	24	10.0	19	6.6	16	6.0	21	7.2	21	6.6	107	6.7
	R304 Calgary University	-	-	-	-	6	2.1	9	3.4	9	3.1	-	-	37	2.3
	R305 Calgary Charleswood	12	6.4	16	6.6	22	7.6	10	3.8	17	5.8	17	5.3	94	5.9
	R306 Calgary Marlborough	15	8.0	13	5.4	11	3.8	11	4.1	20	6.9	8	2.5	78	4.9
	R307 Calgary Shaganappi	7	3.7	-	-	-	-	9	3.4	8	2.7	13	4.1	49	3.1
	R308 Calgary Bowness	7	3.7	6	2.5	20	6.9	9	3.4	15	5.2	17	5.3	74	4.6
	R309 Calgary Scarboro	9	4.8	10	4.1	12	4.2	-	-	13	4.5	-	-	57	3.6
	R310 Calgary Forest Lawn	13	6.9	16	6.6	20	6.9	23	8.6	20	6.9	14	4.4	106	6.7
	R311 Calgary Lakeview	-	-	12	5.0	-	-	13	4.9	9	3.1	17	5.3	63	4.0
	R312 Calgary Mount Royal	6	3.2	-	-	-	-	9	3.4	-	-	-	-	30	1.9
	R313 Calgary Haysboro	19	10.1	17	7.1	26	9.0	13	4.9	15	5.2	26	8.2	116	7.3
	R314 Calgary Bonavista	17	9.0	7	2.9	24	8.3	21	7.9	19	6.5	19	6.0	107	6.7
	R315 Calgary South	9	4.8	13	5.4	13	4.5	9	3.4	17	5.8	20	6.3	81	5.1
	R320 Banff-Canmore	9	4.8	11	4.6	19	6.6	16	6.0	10	3.4	25	7.8	90	5.6
	R321 Didsbury-Strathmore	25	13.3	21	8.7	24	8.3	31	11.7	32	11.0	29	9.1	162	10.2
	R322 Vulcan-Claresholm	-	-	10	4.1	13	4.5	-	-	19	6.5	13	4.1	67	4.2
R323 High River-Black Diamond	13	6.9	24	10.0	22	7.6	41	15.4	18	6.2	31	9.7	149	9.4	
Self-harm	n	210		192		177		157		161		173		1070	
	R301 Calgary North East	13	6.2	20	10.4	11	6.2	-	-	-	-	12	6.9	70	6.5
	R302 Calgary Beddington Heights	8	3.8	9	4.7	11	6.2	-	-	7	4.3	-	-	45	4.2
	R303 Calgary Northwest	11	5.2	13	6.8	7	4.0	14	8.9	9	5.6	10	5.8	64	6.0
	R304 Calgary University	-	-	8	4.2	10	5.6	-	-	-	-	8	4.6	36	3.4
	R305 Calgary Charleswood	16	7.6	11	5.7	18	10.2	12	7.6	10	6.2	15	8.7	82	7.7
	R306 Calgary Marlborough	13	6.2	15	7.8	-	-	7	4.5	-	-	13	7.5	55	5.1
	R307 Calgary Shaganappi	6	2.9	10	5.2	8	4.5	-	-	6	3.7	-	-	37	3.5
	R308 Calgary Bowness	13	6.2	8	4.2	8	4.5	8	5.1	7	4.3	10	5.8	54	5.0
	R309 Calgary Scarboro	8	3.8	6	3.1	-	-	-	-	-	-	-	-	25	2.3
	R310 Calgary Forest Lawn	9	4.3	9	4.7	8	4.5	10	6.4	8	5.0	11	6.4	55	5.1
	R311 Calgary Lakeview	11	5.2	-	-	-	-	-	-	7	4.3	6	3.5	34	3.2
	R312 Calgary Mount Royal	-	-	-	-	-	-	6	3.8	-	-	-	-	24	2.2
	R313 Calgary Haysboro	21	10.0	9	4.7	18	10.2	13	8.3	23	14.3	12	6.9	96	9.0

Diagnosis	SubRHA	02/03	%	03/04	%	04/05	%	05/06	%	06/07	%	07/08	%	All	%
	R314 Calgary Bonavista	21	10.0	19	9.9	17	9.6	12	7.6	10	6.2	12	6.9	91	8.5
	R315 Calgary South	9	4.3	13	6.8	15	8.5	9	5.7	-	-	-	-	55	5.1
	R320 Banff-Canmore	-	-	10	5.2	9	5.1	7	4.5	10	6.2	-	-	46	4.3
	R321 Didsbury-Strathmore	21	10.0	13	6.8	15	8.5	19	12.1	11	6.8	26	15.0	105	9.8
	R322 Vulcan-Claresholm	-	-	-	-	-	-	-	-	8	5.0	-	-	28	2.6
	R323 High River-Black Diamond	14	6.7	6	3.1	11	6.2	12	7.6	13	8.1	12	6.9	68	6.4

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