

# A profile of young Albertans using mental health services

Child and Youth Data Laboratory (CYDL) Longitudinal Project



**Policy Wise**  
for Children & Families

## Introduction

This report is an overview of the experiences of children, youth, and young adults (0 to 25 years) who received mental health services from 2005/06 to 2010/11.

**Mental health service use** was defined as young Albertans who received a diagnostic code from Alberta Health or had a mental health diagnosis and received services from Family Support for Children with Disabilities or from Assured Income for the Severely Handicapped during the study period.

**Mental health conditions** were grouped into anxiety disorders, depression, behavioural conditions, autism, schizophrenia/psychoses, and other mental health conditions.

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## Key Findings

- 5% of young Albertans received a mental health service in a given study year (range 61,249 to 67,853).
- A lower percentage of individuals with mental health service were meeting or above educational expectations compared to young Albertans with no mental health service.
- Behavioural conditions were most common among those with mental health service use, followed by anxiety and depression.
- Compared to other mental health conditions, a higher percentage of young Albertans with a behaviour condition or schizophrenia/psychosis had other life challenges such as being charged with a criminal offence.
- Individuals with schizophrenia/psychoses had a much higher percentage of high cost health users than others with a mental health condition.
- Children and youth with mental health service use were more likely to also be students with special needs as compared to those with no mental health service use. This was particularly true for students with autism.

*This report is part of the Longitudinal Project conducted by the CYDL in collaboration with Alberta partnering government ministries. Please see the last page for a brief description of the project and go to <https://policywise.com/initiatives/cydl/p2> to access other deliverables.*

*Visit <https://visualization.policywise.com/P2dashboard> to view an interactive dashboard that summarizes this population. This report is a companion to the interactive dashboard.*

## Background literature

*Providing a context for the current report, this section highlights select literature focusing on mental health service use.*

One in five Canadians have a mental health condition<sup>1</sup>. In Canada, the economic burden of mental illness has been estimated to be \$43.2 billion in 2011<sup>1</sup>.

There is a well documented disparity between the need for mental health services and the availability of care<sup>2</sup>. Many individuals have reported that they do not access services due to a number of personal and accessibility reasons<sup>3</sup>. Less than one in five children and youth with symptoms of mental illness report seeking treatment for their mental health issues<sup>4</sup>. Finally, one in four individuals accessing services for mental health report experiencing being stigmatized, which might reduce follow-up<sup>5</sup>. These factors lead to an underrepresentation of mental health needs in the province.

Across studies, mood, anxiety, substance use, and behavioural conditions have been found to be the most prevalent conditions in youth<sup>1,6</sup>. Mood, anxiety, substance use, and dementia are the most common conditions in adults<sup>1,6</sup>.

Time of diagnosis of mental health disorders varies across age. Behavioural conditions tend to be diagnosed during childhood, mood and anxiety disorders typically onset in later childhood and adolescence, autism is often diagnosed in early childhood (after age 4), and schizophrenia typically presents in late adolescence to early adulthood<sup>7</sup>.

Higher rates of anxiety and depression have been reported for females whereas behavioural conditions and autism are more prevalent among males<sup>7</sup>. Males and females are have been found to be equally diagnosed with schizophrenia<sup>7</sup>.

Higher instances of mental illness are found among criminally-involved youth<sup>8,9</sup>, and among children and youth receiving child intervention services<sup>10</sup>. In addition, mental health conditions are associated with challenges in school<sup>11</sup>.

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## Footnotes

The analyses in this report include data from physician visits, emergency room visits, other ambulatory care visits, hospitalizations, Family Support for Children with Disabilities and Assured Income for the Severely Handicapped. *See Definitions and Notes* for exact codes used (p. 38).

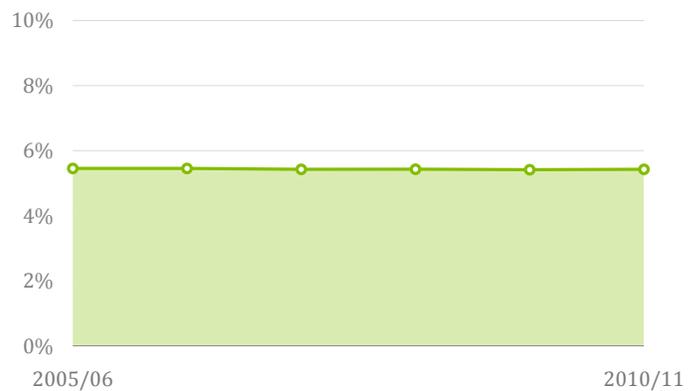
- Mental health services are also provided by psychologists, counsellors, and social workers. Data around these services were not available for the current report but would be valuable to add into future analyses.
  - Many young Albertans have more than one type of mental health condition. For the *mental health condition* measure, individuals are represented in every condition type they have a diagnosis for and are not mutually-exclusive. Individuals are represented only once for the *mental health service*.
  - Behavioural conditions include conduct disorders, adjustment disorders, attention deficit disorder, and substance use. The conditions in the schizophrenia/psychoses category were schizophrenia and other psychoses. Other mental health conditions were made up of somatoform disorders, eating and sleep disorders, tic disorders, and other and unspecified mental health conditions.
  - Autism is not considered a mental health condition by all professionals but it was included in our algorithm due to being defined as mental health in DSM-5 and in ICD classifications.
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## Mental health service use (Table 1; p. 14)

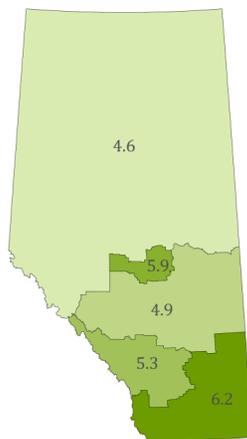
This and the following analyses consider young Albertans (aged 0 to 25 unless otherwise specified) who were in the Health care registry or who received services from Family Support for Children with Disabilities or Assured Income for the Severely Handicapped. See *Definitions and Notes* for more information (p. 38).

- 5% of young Albertans received a mental health service in any given study year (61,249-67,853 per year compared to 1,061,469-1,181,852 individuals with no mental health service per year).

Percentage of Albertans aged 0 to 25 with mental health service use over time



Percentage of Albertans aged 0 to 25 with a mental health service in 2010/11, by Health zone



## Health zones by mental health service use (Table 2; p. 14)

For information on health zones and a legend, see *Definitions and Notes* (p. 37). Rates are shown for 2010/11 (see Table 2 for other study years).

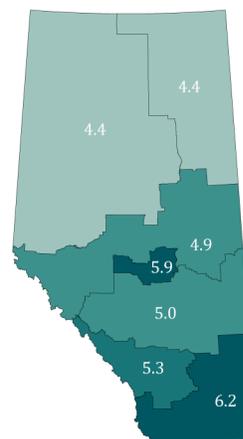
- The highest mental health service use rates were in the South (6%), and Edmonton (6%).
- The pattern of mental health service rates were similar over time (not shown in graph).

## CS/CSS service delivery regions by mental health service use (Table 3; p. 15)

Regions include Children’s Services (CS) and Community and Social Services (CSS) service delivery regions. For information on regional analyses and a legend, see *Definitions and Notes* (p. 37). Rates are shown for 2010/11 (see Table 3 for other study years).

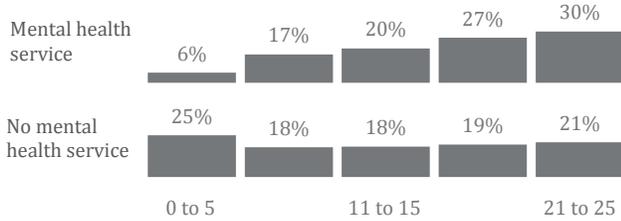
- The highest mental health service use rates were in the South (6%), and Edmonton (6%).
- Mental health service use rates were lower in Northwest (4%) and Northeast regions (4%) in select study years (see Table 3).

Percentage of Albertans aged 0 to 25 with a mental health service in 2010/11, by CS/CSS service delivery region



**Age group by mental health service use**  
(Table 4; p. 16)

Percentage of young Albertans, by age group in 2010/11 and mental health service use

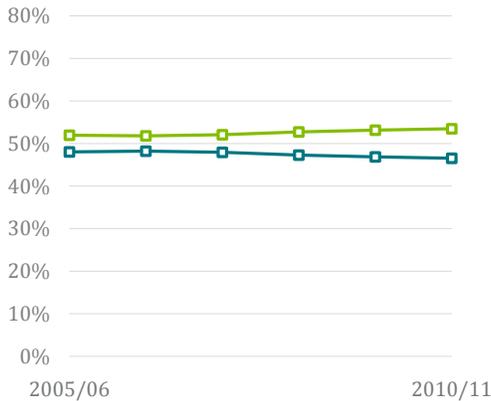


Age shown is for 2010/11 (see Table 4 for age distribution in each study year).

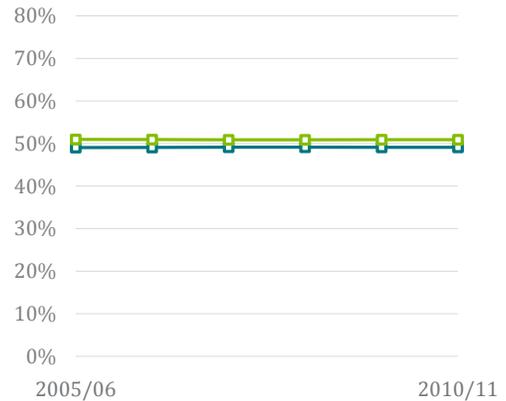
- More mental health-related service use was observed among older children and youth.
- This pattern was consistent across study years (not shown in graph).

**Gender by mental health service use**  
(Table 5; p. 17)

Percentage of Albertans aged 0 to 25 with mental health service use, by gender over time



Percentage of Albertans aged 0 to 25 with no mental health service use, by gender over time

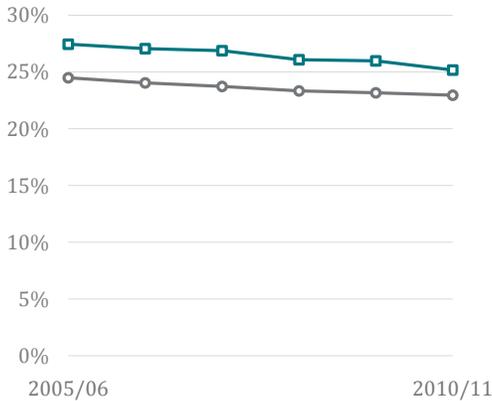


Female Male

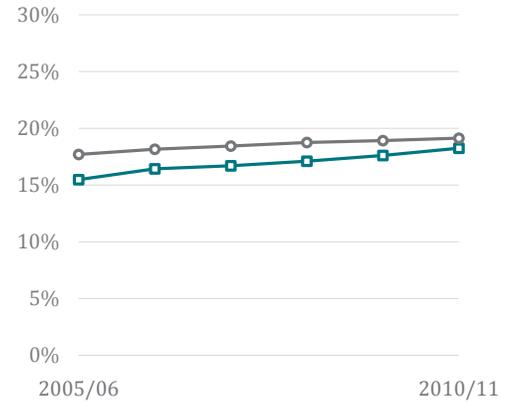
- There were 4 to 7% more males than females with mental health service use in a given study year.
- This proportion of individuals receiving mental health services who were female declined slightly over time.

### Socio-economic status by mental health service use (Table 6; p. 18)

Percentage of Albertans aged 0 to 25 who lived in the lowest SES areas, by mental health service use over time



Percentage of Albertans aged 0 to 25 who lived in the highest SES areas, by mental health service use over time



■ Mental health service    ● No mental health service

Socio-economic status (SES) captures the social and material environments in which individuals live. See *Definitions and Notes* for further clarification (p. 38).

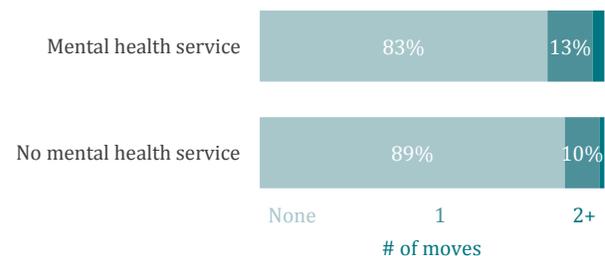
- Over time, the proportion of individuals in the highest socio-economic areas increased and those in the lowest socio-economic areas decreased. This was true regardless of mental health service use.
- Individuals with mental health service use were more likely to live in the lowest and less likely to live in the highest socio-economic status areas as compared to young Albertans with no mental health service.
- The percentage of individuals with mental health service living in the highest socio-economic status areas in the same year (15 to 18%) was lower than those with no mental health service (18 to 19%) but became more similar over time.

### Residential mobility by mental health service use (Table 7; p. 19)

Residential mobility was determined using the number of unique postal codes in the Alberta Health registry. Residential mobility is shown in 2010/11 (see Table 7 for mobility in each study year).

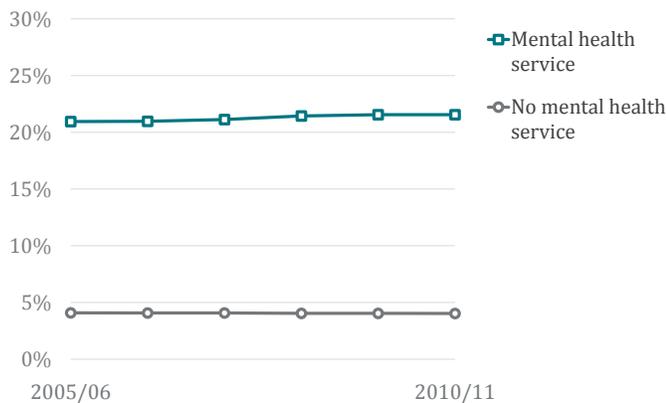
- More moves were observed for young Albertans who used mental health services.

Percentage of Albertans aged 0 to 25 by residential mobility in 2010/11 and mental health service



## Mental health service use

Percentage of Albertans aged 0 to 25 who were high cost health service users, by mental health service use over time



## High cost health service use by mental health service use (Table 8; p. 19)

For a definition of high cost health service users see *Definitions and Notes* (p. 37).

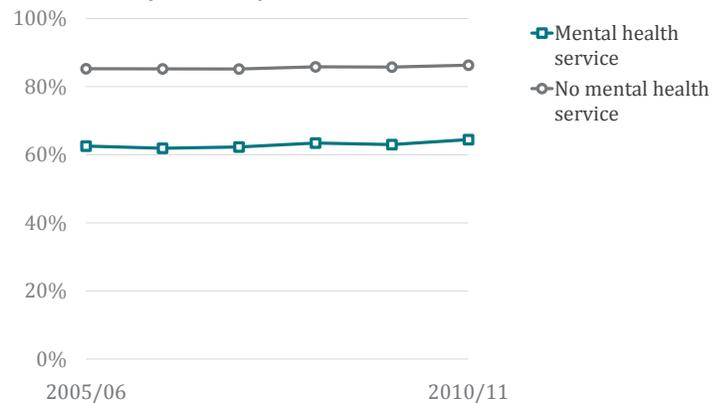
- In a given study year, a higher percentage of individuals receiving mental health services were high cost health service users (21 to 22%) than those with no mental health service (4%).

## Educational achievement by mental health service use (Table 9; p. 20)

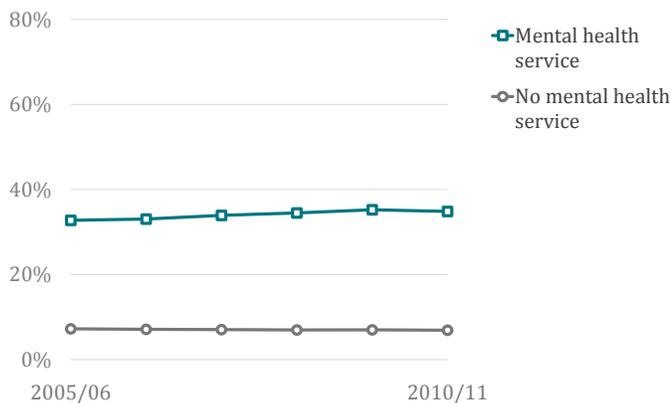
This analysis considers individuals in grades 3 to 12 who were registered in the Alberta education system. See *Definitions and Notes* (p. 37).

- 62 to 64% of individuals with a mental health service were meeting or above educational expectations in a given study year compared to 85 to 86% of young Albertans with no mental health service.
- This pattern remained relatively stable over time.

Percentage of Albertans in grades 3 to 12 who were meeting or above educational expectations, by mental health service use over time



Percentage of Albertans aged 2.5 to 19 who were students with special needs, by mental health service use over time



## Students with special needs by mental health service use (Table 10; p. 20)

This analysis considers young Albertans (aged 2.5 to 19 years) who were students with special needs. See *Definitions and Notes* (p. 38).

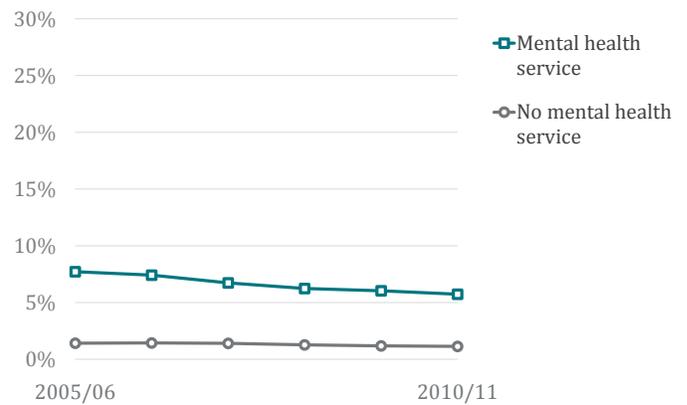
- 33 to 35% of young Albertans accessing mental health services in a study year were students with special needs compared to 7% of individuals with no mental health service.
- There was a slight increase in the percentage of students with special needs among children and youth with mental health services over time.

### Child Intervention services by mental health service use (Table 11; p. 21)

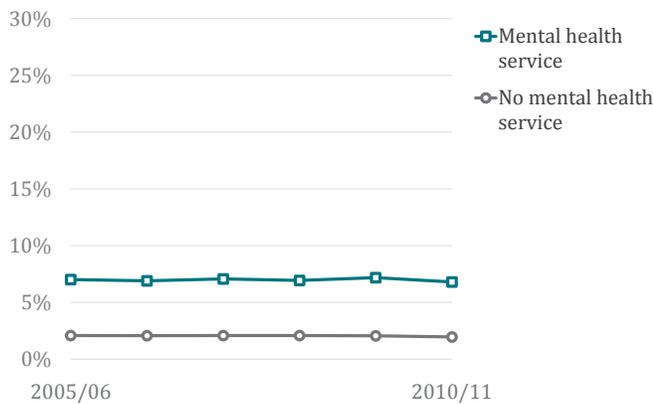
This analysis considers Albertans (aged 0 to 22 years) receiving Child Intervention services See *Definitions and Notes* (p. 37).

- A higher percentage of individuals with mental health services received Child Intervention services in the same year (6 to 8%) compared to those with no mental health service (1%).
- The gap narrowed over time.

Percentage of Albertans aged 0 to 22 who received Child Intervention services, by mental health service use over time



Percentage of Albertans aged 12 to 25 who received criminal offences, by mental health service use over time



### Criminal offences by mental health service use (Table 12; p. 21)

This analysis considers Albertans (aged 12 to 25 years) with criminal offences. See *Definitions and Notes* (p. 37).

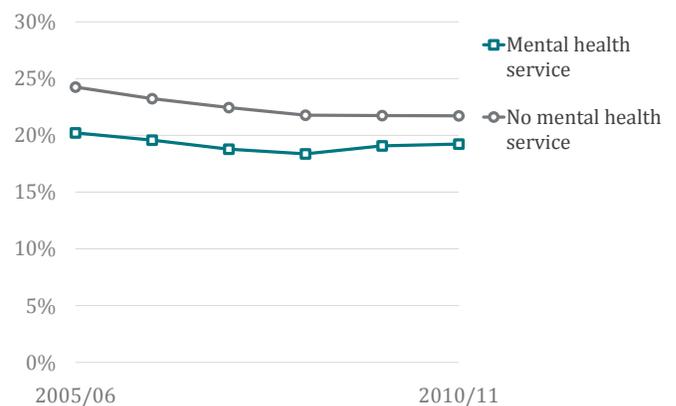
- 7% of individuals with a mental health service had one or more criminal offence in a given study year compared to 2% of the rest of the population.

### Post-secondary enrolment by mental health service use (Table 13; p. 22)

This analysis considers Albertans (aged 17 to 25 years) enrolled in a post-secondary institution. See *Definitions and Notes* (p. 38).

- 18 to 20% of young adults with a mental health service were enrolled in post-secondary studies in a given study year, compared to 22 to 24% of the rest of the population.
- There was a dip in post-secondary enrolment over time.

Percentage of Albertans aged 17 to 25 who were enrolled in post-secondary, by mental health service use over time

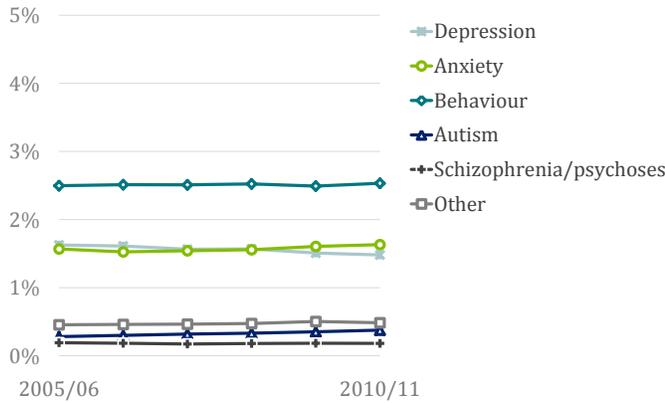


### Mental health condition- population level (Table 14; p. 23)

For details on mental health condition see *Definitions and Notes* (p. 38).

- The highest proportion of individuals with a mental health service had behaviour conditions, followed by anxiety and depression.
- Schizophrenia/psychoses, autism, and other mental health conditions were less common.
- Rates changed by less than 0.5% over time.

Percentage of Albertans aged 0 to 25, by mental health condition over time

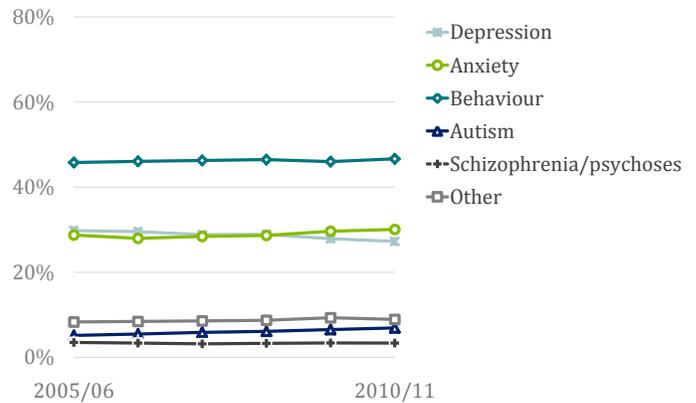


### Mental health condition (Table 14; p. 23)

This and the following analyses include only those with a mental health service in the study year aged 0 to 25 years unless otherwise indicated.

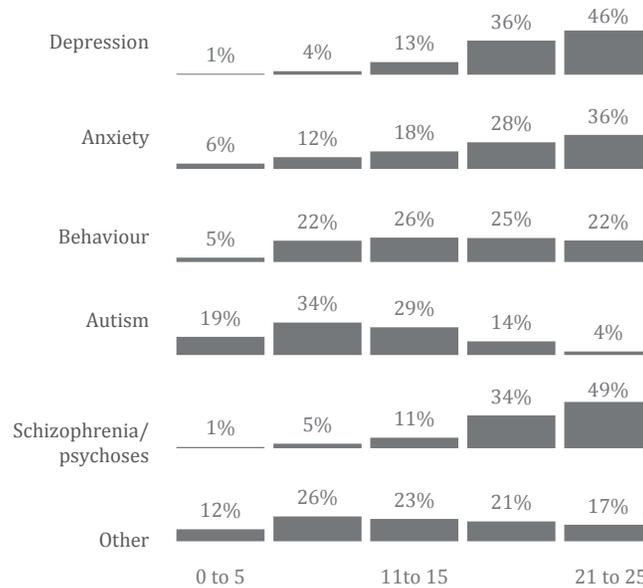
- Among individuals with mental health service use, 28,037-31,658 had a behavioural condition, 18,253-18,816 had depression, 17,420-20,399 had anxiety, 3,158-4,695 had autism, 2,021-2,277 had schizophrenia/psychosis, and 5,097-6,202 had an “other” mental health condition at some point across the study years.

Percentage of Albertans aged 0 to 25 with mental health service use, by mental health condition over time



### Age group by mental health condition (Table 15a,b; p. 24-25)

*Percentage of Albertans with a mental health service, by age group in 2010/11 and mental health condition*

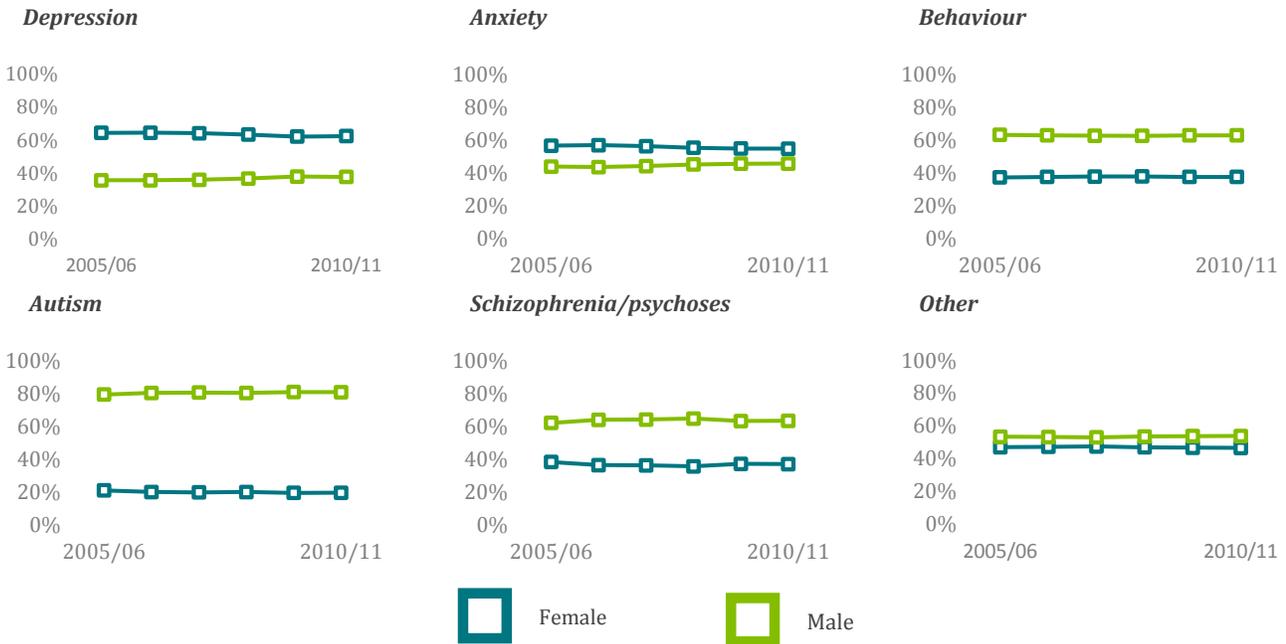


Age shown is for 2010/11 (see Table 15 for age distribution in each study year).

- Individuals with schizophrenia/psychosis, depression, or anxiety tended to be older.
- Individuals with autism or other mental health conditions had the highest proportion of 0 to 5 year olds.

**Gender by mental health condition** (Table 16; p. 26)

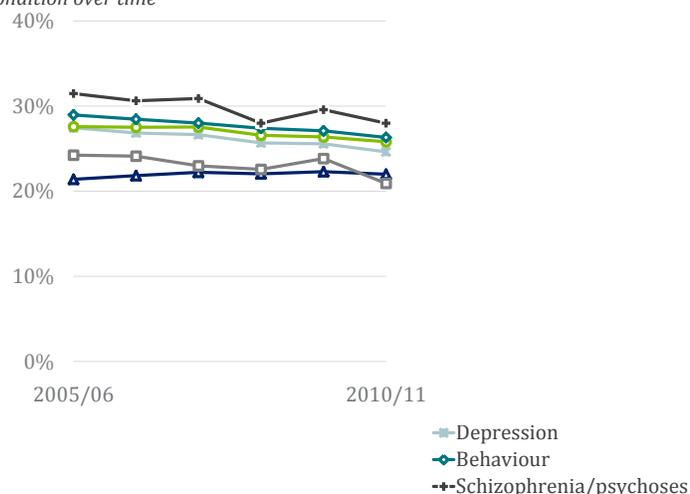
Percentage of Albertans aged 12 to 25 with mental health service use, by gender and mental health condition over time



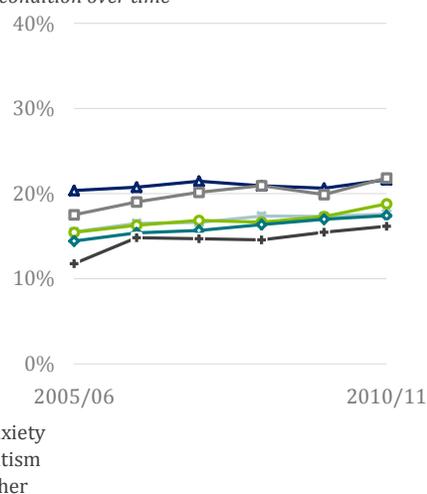
- More than half of individuals with mental health services for depression (62 to 64%) or anxiety (55 to 57%) in a given study year were female, as compared to male.
- More than half of individuals with autism (79 to 81%), behavioural (62 to 63%) or schizophrenia/psychoses (62 to 65%) were male.
- Among those with anxiety or depression, the proportion of those with a mental health condition who were female decreased slightly across the study period.

## Socio-economic status by mental health condition (Table 17a,b; p. 27-28)

Percentage of Albertans aged 0 to 25 with a mental health service who lived in the lowest SES areas, by mental health condition over time



Percentage of Albertans aged 0 to 25 with a mental health service who lived in the highest SES areas, by mental health condition over time



Socio-economic status (SES) captures the social and material environments in which individuals live. See *Definitions and Notes* for further clarification (p. 38).

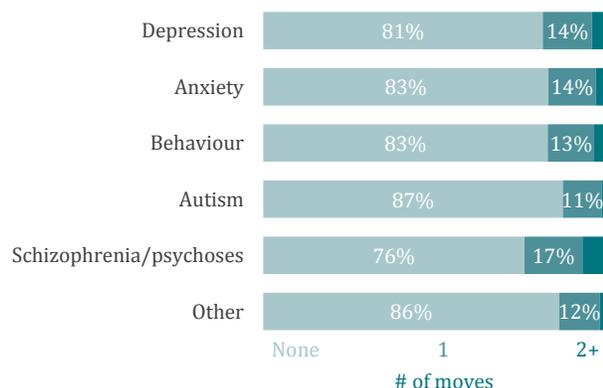
- Mental health service use cuts across all socio-economic neighbourhoods.
- The percentage of individuals with autism or other mental health conditions living in the highest and lowest socio-economic areas was similar to those with no mental health service use (~20% in each SES area; not shown in graph, see Table 6).
- There was a general time trend toward higher socio-economic status over the study years for individuals with all mental health conditions except for autism. This trend was also true for all young Albertans in the study (see Table 6).

## Residential mobility by mental health condition (Table 18a,b; p. 29-30)

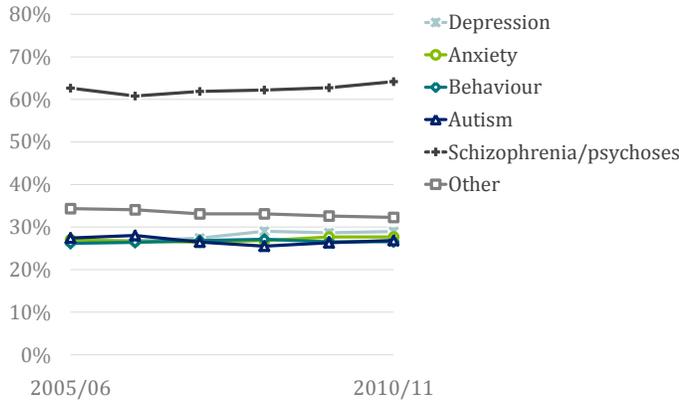
Residential mobility was determined using the number of unique postal codes in the Alberta Health registry. Residential mobility is shown in 2010/11 (see Table 18 for mobility in each study year).

- Residential mobility was relatively similar across individuals with different mental health conditions.
- There is no consistent difference between mental health conditions across all study years.

Percentage of Albertans aged 0 to 25 with a mental health service, by residential mobility in 2010/11 and mental health condition



Percentage of Albertans aged 0 to 25 with a mental health service who were high cost health service users, by mental health condition over time



### High cost health service use by mental health condition (Table 19; p. 31)

For a definition of high cost health service users see *Definitions and Notes* (p. 37).

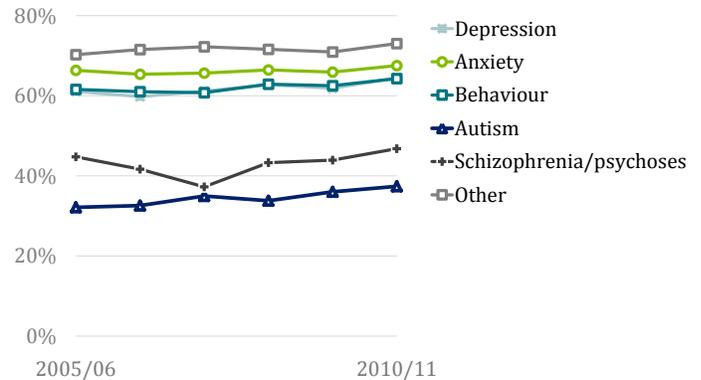
- 61 to 64% of individuals with schizophrenia/psychosis were high cost health service users in a given study year, compared to 4% of those with no mental health condition (not graphed, See Table 8).

### Educational achievement by mental health condition (Table 20; p. 32)

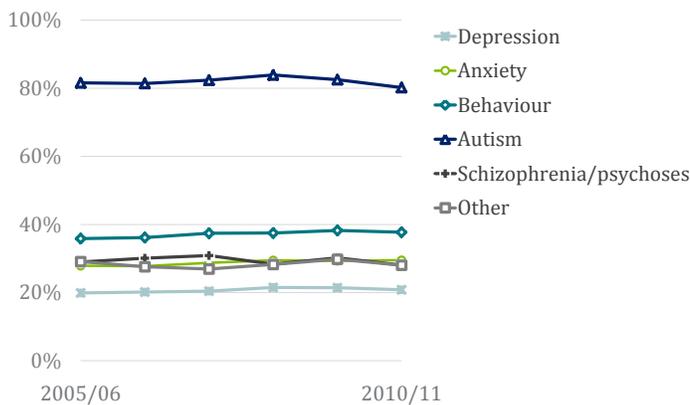
This analysis considers individuals in grades 3 to 12 who were registered in the Alberta education system. See *Definitions and Notes* (p. 37).

- Less than half of students with autism or schizophrenia/psychosis were meeting or above educational expectations.
- Approximately 60% to 70% of children and youth with the remaining mental health conditions were meeting or above educational expectations in any given study year.

Percentage of Albertans in grades 3 to 12 with a mental health service who were meeting or above educational expectations, by mental health condition over time



Percentage of Albertans aged 2.5 to 19 with a mental health service who were students with special needs, by mental health condition over time



### Students with special needs by mental health condition (Table 21; p. 33)

This analysis considers young Albertans (aged 2.5 to 19 years) who were students with special needs. See *Definitions and Notes* (p. 38).

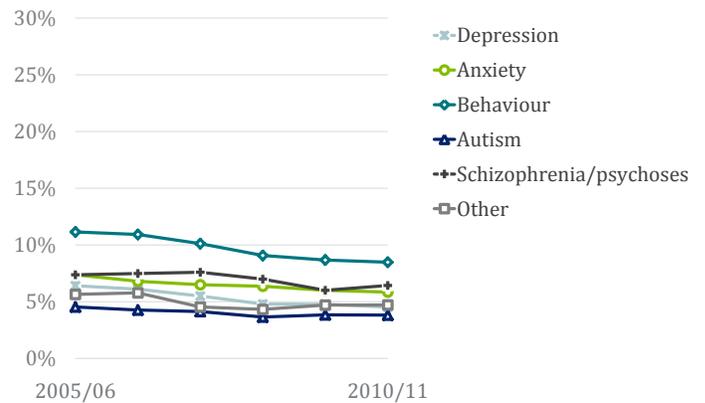
- 81 to 84% of children and youth with autism were students with special needs.
- Children and youth with depression had the lowest percentage of students with special needs (20 to 22%) in a study year.

### Child Intervention services by mental health condition (Table 22; p. 34)

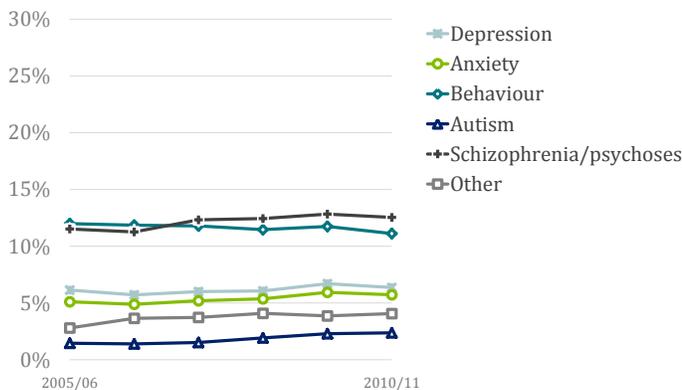
This analysis considers Albertans (aged 0 to 22 years) receiving Child Intervention services. See *Definitions and Notes* (p. 37).

- Child Intervention service use decreased across time for individuals with depression, anxiety, behaviour, or other mental health conditions.
- A higher proportion of individuals with behaviour (8 to 11% per year) disorders had Child Intervention services compared to individuals with the remaining mental health conditions.

Percentage of Albertans aged 0 to 22 with a mental health service who received Child Intervention services, by mental health condition over time



Percentage of Albertans aged 12 to 25 with a mental health service who received criminal offences, by mental health condition over time



### Criminal offences by mental health condition (Table 23; p. 35)

This analysis considers Albertans (aged 12 to 25 years) with criminal offences. See *Definitions and Notes* (p. 37).

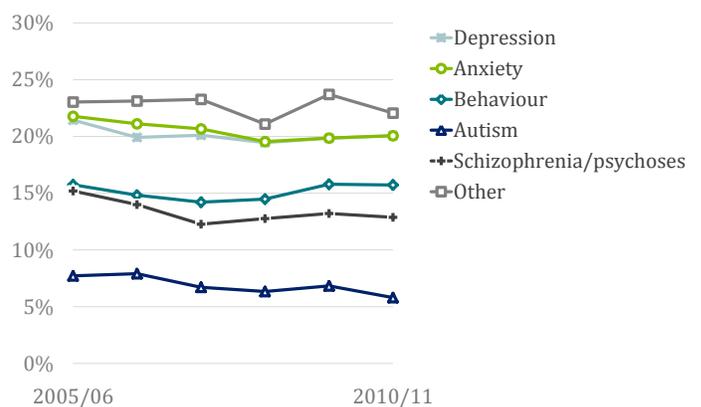
- 11 to 12% of individuals with behaviour conditions and 11 to 13% with schizophrenia/psychoses had a criminal offence in a given study year.
- Youth and young adults with autism had the lowest percentage with a criminal offence.

### Post-secondary enrolment by mental health condition (Table 24; p. 36)

This analysis considers Albertans (aged 17 to 25 years) enrolled in a post-secondary institution. See *Definitions and Notes* (p. 38).

- Young Albertans with other mental health conditions, anxiety, or depression had the highest percentage enrolled in post-secondary studies.
- Individuals with autism had the lowest percentage enrolled in post-secondary studies.

Percentage of Albertans aged 17 to 25 with a mental health service who were enrolled in post-secondary, by mental health condition over time



## Tables

TABLE 1: Number and percentage of young Albertans by mental health service use and study year, young Albertans aged 0 to 25 years

Mental health service use	Study year					
	2005/06	2006/07	2007/08	2008/09	2009/10	2010/11
Number of individuals						
Any mental health service	61,249	62,287	63,571	65,123	66,671	67,853
No mental health service	1,061,469	1,079,571	1,107,706	1,134,094	1,164,414	1,181,852
Total N	1,122,718	1,141,858	1,171,277	1,199,217	1,231,085	1,249,705
Percentage of individuals						
Any mental health service	5.46	5.45	5.43	5.43	5.42	5.43
No mental health service	94.54	94.55	94.57	94.57	94.58	94.57
Total %	100.00	100.00	100.00	100.00	100.00	100.00

TABLE 2: Number and percentage of young Albertans by mental health service use, health zone, and study year, young Albertans aged 0 to 25 years

Mental health service use	Region of residence	Study year					
		2005/06	2006/07	2007/08	2008/09	2009/10	2010/11
Number of individuals							
Mental health service	Calgary	21,253	21,640	22,034	22,885	23,073	23,824
	Central	7,546	7,687	7,939	7,776	7,958	7,629
	Edmonton	19,978	20,462	20,807	21,233	22,111	22,481
	North	7,009	6,857	6,871	7,123	7,450	7,654
	South	5,446	5,616	5,887	6,075	6,032	6,256
	Total	61,232	62,262	63,538	65,092	66,624	67,844
No mental health service	Calgary	369,699	377,439	388,841	400,648	414,572	422,445
	Central	137,350	139,709	142,702	144,853	146,585	147,640
	Edmonton	322,089	326,986	334,942	343,150	352,578	357,798
	North	144,879	146,752	150,627	153,191	156,354	158,571
	South	87,234	88,421	90,328	91,975	94,011	95,153
	Total	1,061,251	1,079,307	1,107,440	1,133,817	1,164,100	1,181,607
Total population	Calgary	390,952	399,079	410,875	423,533	437,645	446,269
	Central	144,896	147,396	150,641	152,629	154,543	155,269
	Edmonton	342,067	347,448	355,749	364,383	374,689	380,279
	North	151,888	153,609	157,498	160,314	163,804	166,225
	South	92,680	94,037	96,215	98,050	100,043	101,409
	Total	1,122,483	1,141,569	1,170,978	1,198,909	1,230,724	1,249,451
Percentage of individuals							
Mental health service	Calgary	5.44	5.42	5.36	5.40	5.27	5.34
	Central	5.21	5.22	5.27	5.09	5.15	4.91
	Edmonton	5.84	5.89	5.85	5.83	5.90	5.91
	North	4.61	4.46	4.36	4.44	4.55	4.60
	South	5.88	5.97	6.12	6.20	6.03	6.17
	Total						

## Tables

TABLE 3: Number and percentage of young Albertans by mental health service use, CS/CSS service delivery regions, and study year, young Albertans aged 0 to 25 years

Mental health service use	CS/CSS service delivery regions	Study year					
		2005/06	2006/07	2007/08	2008/09	2009/10	2010/11
Number of individuals		2005/06	2006/07	2007/08	2008/09	2009/10	2010/11
Mental health service	Calgary	21,032	21,406	21,824	22,639	22,840	23,578
	Central	7,453	7,603	7,785	7,645	7,846	7,547
	Edmonton	20,029	20,518	20,867	21,293	22,169	22,544
	North Central	3,302	3,206	3,357	3,333	3,295	3,431
	Northeast	1,094	1,033	884	865	1,111	1,087
	Northwest	2,876	2,880	2,934	3,242	3,331	3,401
	South	5,446	5,616	5,887	6,075	6,032	6,256
	Total	61,232	62,262	63,538	65,092	66,624	67,844
	No mental health service	Calgary	365,651	373,377	384,706	396,403	410,196
Central		134,760	137,127	140,021	142,064	143,796	144,734
Edmonton		323,050	327,963	335,910	344,123	353,531	358,706
North Central		63,653	63,889	64,787	65,650	66,356	66,653
Northeast		18,179	18,452	19,937	20,806	22,402	23,746
Northwest		68,724	70,078	71,751	72,796	73,808	74,595
South		87,234	88,421	90,328	91,975	94,011	95,153
Total		1,061,251	1,079,307	1,107,440	1,133,817	1,164,100	1,181,607
Total population		Calgary	386,683	394,783	406,530	419,042	433,036
	Central	142,213	144,730	147,806	149,709	151,642	152,281
	Edmonton	343,079	348,481	356,777	365,416	375,700	381,250
	North Central	66,955	67,095	68,144	68,983	69,651	70,084
	Northeast	19,273	19,485	20,821	21,671	23,513	24,833
	Northwest	71,600	72,958	74,685	76,038	77,139	77,996
	South	92,680	94,037	96,215	98,050	100,043	101,409
	Total	1,122,483	1,141,569	1,170,978	1,198,909	1,230,724	1,249,451
	Percentage of individuals		2005/06	2006/07	2007/08	2008/09	2009/10
Mental health service	Calgary	5.44	5.42	5.37	5.40	5.27	5.34
	Central	5.24	5.25	5.27	5.11	5.17	4.96
	Edmonton	5.84	5.89	5.85	5.83	5.90	5.91
	North Central	4.93	4.78	4.93	4.83	4.73	4.90
	Northeast	5.68	5.30	4.25	3.99	4.73	4.38
	Northwest	4.02	3.95	3.93	4.26	4.32	4.36
	South	5.88	5.97	6.12	6.20	6.03	6.17

Children's Services (CS) and Community and Social Services (CSS) service delivery regions.

## Tables

TABLE 4: Number and percentage of young Albertans by mental health service use, age group, and study year, young Albertans aged 0 to 25 years

Mental health service use	Age group	Study year					
		2005/06	2006/07	2007/08	2008/09	2009/10	2010/11
Number of individuals							
Mental health service	0 to 5	3,417	3,468	3,640	3,856	4,042	4,113
	6 to 10	10,491	10,373	10,634	10,890	11,257	11,364
	11 to 15	12,809	12,981	13,079	13,165	13,501	13,741
	16 to 20	16,401	16,455	16,724	17,341	17,587	18,077
	21 to 25	18,131	19,010	19,494	19,871	20,284	20,558
	Total	61,249	62,287	63,571	65,123	66,671	67,853
No mental health service	0 to 5	233,825	244,413	257,889	270,197	282,909	292,293
	6 to 10	192,950	192,655	195,003	198,289	203,838	208,136
	11 to 15	211,222	210,632	210,946	210,624	212,651	212,387
	16 to 20	215,638	218,599	222,347	225,230	227,288	226,437
	21 to 25	207,834	213,272	221,521	229,754	237,728	242,599
	Total	1,061,469	1,079,571	1,107,706	1,134,094	1,164,414	1,181,852
Percentage of individuals							
Mental health service	0 to 5	5.58	5.57	5.73	5.92	6.06	6.06
	6 to 10	17.13	16.65	16.73	16.72	16.88	16.75
	11 to 15	20.91	20.84	20.57	20.22	20.25	20.25
	16 to 20	26.78	26.42	26.31	26.63	26.38	26.64
	21 to 25	29.60	30.52	30.66	30.51	30.42	30.30
	Total	100.00	100.00	100.00	100.00	100.00	100.00
No mental health service	0 to 5	22.03	22.64	23.28	23.82	24.30	24.73
	6 to 10	18.18	17.85	17.60	17.48	17.51	17.61
	11 to 15	19.90	19.51	19.04	18.57	18.26	17.97
	16 to 20	20.32	20.25	20.07	19.86	19.52	19.16
	21 to 25	19.58	19.76	20.00	20.26	20.42	20.53
	Total	100.00	100.00	100.00	100.00	100.00	100.00

## Tables

TABLE 5: Number and percentage of young Albertans by mental health service use, gender, and study year, young Albertans aged 0 to 25 years

Mental health service use	Gender	Study year					
		2005/06	2006/07	2007/08	2008/09	2009/10	2010/11
Number of individuals							
Mental health service	Female	29,424	30,028	30,477	30,783	31,246	31,582
	Male	31,825	32,259	33,094	34,340	35,425	36,271
	Total	61,249	62,287	63,571	65,123	66,671	67,853
No mental health service	Female	520,714	529,813	544,153	557,181	571,896	580,393
	Male	540,755	549,758	563,553	576,913	592,518	601,459
	Total	1,061,469	1,079,571	1,107,706	1,134,094	1,164,414	1,181,852
Percentage of individuals							
Mental health service	Female	48.04	48.21	47.94	47.27	46.87	46.54
	Male	51.96	51.79	52.06	52.73	53.13	53.46
	Total	100.00	100.00	100.00	100.00	100.00	100.00
No mental health service	Female	49.06	49.08	49.12	49.13	49.11	49.11
	Male	50.94	50.92	50.88	50.87	50.89	50.89
	Total	100.00	100.00	100.00	100.00	100.00	100.00

## Tables

TABLE 6: Number and percentage of young Albertans by mental health service use, socio-economic status, and study year, young Albertans aged 0 to 25 years

Mental health service use	Socio-economic status	Study year					
		2005/06	2006/07	2007/08	2008/09	2009/10	2010/11
Number of individuals							
Mental health service	Lowest	16,128	16,154	16,385	16,317	16,628	16,427
	Low middle	12,930	12,643	12,991	13,161	13,144	13,248
	Middle	10,892	10,958	11,061	11,562	11,648	11,828
	High middle	9,693	10,123	10,341	10,815	11,297	11,828
	Highest	9,092	9,805	10,180	10,697	11,265	11,904
	Total	58,735	59,683	60,958	62,552	63,982	65,235
No mental health service	Lowest	249,729	249,432	252,663	254,401	259,421	260,931
	Low middle	216,799	217,097	218,928	221,502	224,837	226,090
	Middle	191,186	194,983	201,602	207,033	213,705	217,697
	High middle	181,629	187,481	195,373	202,790	209,883	214,398
	Highest	180,435	188,356	196,318	204,451	211,860	217,530
	Total	1,019,778	1,037,349	1,064,884	1,090,177	1,119,706	1,136,646
Percentage of individuals							
Mental health service	Lowest	27.46	27.07	26.88	26.09	25.99	25.18
	Low middle	22.01	21.18	21.31	21.04	20.54	20.31
	Middle	18.54	18.36	18.15	18.48	18.21	18.13
	High middle	16.50	16.96	16.96	17.29	17.66	18.13
	Highest	15.48	16.43	16.70	17.10	17.61	18.25
	Total	100.00	100.00	100.00	100.00	100.00	100.00
No mental health service	Lowest	24.49	24.05	23.73	23.34	23.17	22.96
	Low middle	21.26	20.93	20.56	20.32	20.08	19.89
	Middle	18.75	18.80	18.93	18.99	19.09	19.15
	High middle	17.81	18.07	18.35	18.60	18.74	18.86
	Highest	17.69	18.16	18.44	18.75	18.92	19.14
	Total	100.00	100.00	100.00	100.00	100.00	100.00

## Tables

TABLE 7: Number and percentage of young Albertans by mental health service use, residential mobility, and study year, young Albertans aged 0 to 25 years

Mental health service use	Residential mobility	Study year					
		2005/06	2006/07	2007/08	2008/09	2009/10	2010/11
Number of individuals							
Mental health service	No moves	46,331	47,756	48,841	51,291	55,525	56,417
	One Move	11,250	11,267	11,458	10,828	8,611	8,857
	Two or more moves	3,370	2,896	2,920	2,665	2,239	2,293
	Total	60,951	61,919	63,219	64,784	66,375	67,567
No mental health service	No moves	865,518	886,368	904,839	950,286	1,030,607	1,045,992
	One Move	164,092	164,193	172,580	158,368	116,408	118,834
	Two or more moves	31,373	28,503	29,848	25,046	17,029	16,656
	Total	1,060,983	1,079,064	1,107,267	1,133,700	1,164,044	1,181,482
Percentage of individuals							
Mental health service	No moves	76.01	77.13	77.26	79.17	83.65	83.50
	One Move	18.46	18.20	18.12	16.71	12.97	13.11
	Two or more moves	5.53	4.68	4.62	4.11	3.37	3.39
	Total	100.00	100.00	100.00	100.00	100.00	100.00
No mental health service	No moves	81.58	82.14	81.72	83.82	88.54	88.53
	One Move	15.47	15.22	15.59	13.97	10.00	10.06
	Two or more moves	2.96	2.64	2.70	2.21	1.46	1.41
	Total	100.00	100.00	100.00	100.00	100.00	100.00

TABLE 8: Number and percentage of young Albertans by mental health service use, high cost health use, and study year, young Albertans aged 0 to 25 years

Mental health service use	High cost health use	Study year					
		2005/06	2006/07	2007/08	2008/09	2009/10	2010/11
Number of individuals							
Mental health service	High cost	12,770	12,987	13,358	13,892	14,309	14,568
	Not high cost	48,181	48,932	49,861	50,892	52,066	52,999
	Total	60,951	61,919	63,219	64,784	66,375	67,567
No mental health service	High cost	43,336	44,014	45,141	45,884	47,020	47,669
	Not high cost	1,017,650	1,035,055	1,062,131	1,087,821	1,117,029	1,133,821
	Total	1,060,986	1,079,069	1,107,272	1,133,705	1,164,049	1,181,490
Percentage of individuals							
Mental health service	High cost	20.95	20.97	21.13	21.44	21.56	21.56
	Not high cost	79.05	79.03	78.87	78.56	78.44	78.44
	Total	100.00	100.00	100.00	100.00	100.00	100.00
No mental health service	High cost	4.08	4.08	4.08	4.05	4.04	4.03
	Not high cost	95.92	95.92	95.92	95.95	95.96	95.97
	Total	100.00	100.00	100.00	100.00	100.00	100.00

## Tables

TABLE 9: Number and percentage of young Albertans by mental health service use, educational achievement, and study year, young Albertans in grades 3 to 12

Mental health service use	Educational achievement	Study year					
		2005/06	2006/07	2007/08	2008/09	2009/10	2010/11
Number of individuals							
Mental health service	Below expectations	8,736	8,863	8,964	8,990	9,395	9,245
	Meeting/above expectations	14,587	14,401	14,804	15,594	15,998	16,767
	Total	23,323	23,264	23,768	24,584	25,393	26,012
No mental health service	Below expectations	49,787	50,225	50,663	48,968	50,218	48,608
	Meeting/above expectations	288,538	289,932	291,624	296,097	302,257	306,222
	Total	338,325	340,157	342,287	345,065	352,475	354,830
Percentage of individuals							
Mental health service	Below expectations	37.46	38.10	37.71	36.57	37.00	35.54
	Meeting/above expectations	62.54	61.90	62.29	63.43	63.00	64.46
	Total	100.00	100.00	100.00	100.00	100.00	100.00
No mental health service	Below expectations	14.72	14.77	14.80	14.19	14.25	13.70
	Meeting/above expectations	85.28	85.23	85.20	85.81	85.75	86.30
	Total	100.00	100.00	100.00	100.00	100.00	100.00

TABLE 10: Number and percentage of children and youth by mental health service use, special needs service use, and study year, Albertan children and youth aged 2.5 to 19 years

Mental health service use	Students with special needs	Study year					
		2005/06	2006/07	2007/08	2008/09	2009/10	2010/11
Number of individuals							
Mental health service	Special needs	13,471	13,634	14,224	14,875	15,516	15,664
	No special needs	27,637	27,626	27,704	28,231	28,525	29,277
	Total	41,108	41,260	41,928	43,106	44,041	44,941
No mental health service	Special needs	51,799	51,424	51,839	51,710	53,048	53,179
	No special needs	662,449	668,567	679,513	689,900	703,834	714,666
	Total	714,248	719,991	731,352	741,610	756,882	767,845
Percentage of individuals							
Mental health service	Special needs	32.77	33.04	33.92	34.51	35.23	34.85
	No special needs	67.23	66.96	66.08	65.49	64.77	65.15
	Total	100.00	100.00	100.00	100.00	100.00	100.00
No mental health service	Special needs	7.25	7.14	7.09	6.97	7.01	6.93
	No special needs	92.75	92.86	92.91	93.03	92.99	93.07
	Total	100.00	100.00	100.00	100.00	100.00	100.00

## Tables

TABLE 11: Number and percentage of young Albertans by mental health service use, Child Intervention service use, and study year, young Albertans aged 0 to 22 years

Mental health service use	Child Intervention service	Study year					
		2005/06	2006/07	2007/08	2008/09	2009/10	2010/11
Number of individuals							
Mental health service	Child Intervention	4,159	4,031	3,725	3,529	3,494	3,398
	No Child Intervention	49,713	50,298	51,592	53,059	54,393	55,796
	Total	53,872	54,329	55,317	56,588	57,887	59,194
No mental health service	Child Intervention	13,943	14,331	14,370	13,250	12,580	12,309
	No Child Intervention	965,881	980,069	1,003,315	1,026,714	1,053,317	1,068,752
	Total	979,824	994,400	1,017,685	1,039,964	1,065,897	1,081,061
Percentage of individuals							
Mental health service	Child Intervention	7.72	7.42	6.73	6.24	6.04	5.74
	No Child Intervention	92.28	92.58	93.27	93.76	93.96	94.26
	Total	100.00	100.00	100.00	100.00	100.00	100.00
No mental health service	Child Intervention	1.42	1.44	1.41	1.27	1.18	1.14
	No Child Intervention	98.58	98.56	98.59	98.73	98.82	98.86
	Total	100.00	100.00	100.00	100.00	100.00	100.00

TABLE 12: Number and percentage of Albertan youth and young adults by mental health service use, criminal offences, and study year, Albertan youth and young adults aged 12 to 25 years

Mental health service use	Criminal offences	Study year					
		2005/06	2006/07	2007/08	2008/09	2009/10	2010/11
Number of individuals							
Mental health service	Criminal offences	3,154	3,170	3,318	3,327	3,505	3,382
	No criminal offences	41,783	42,731	43,590	44,604	45,297	46,324
	Total	44,937	45,901	46,908	47,931	48,802	49,706
No mental health service	Criminal offences	12,333	12,434	12,788	13,011	13,108	12,540
	No criminal offences	581,351	589,319	601,405	612,418	623,034	627,492
	Total	593,684	601,753	614,193	625,429	636,142	640,032
Percentage of individuals							
Mental health service	Criminal offences	7.02	6.91	7.07	6.94	7.18	6.80
	No criminal offences	92.98	93.09	92.93	93.06	92.82	93.20
	Total	100.00	100.00	100.00	100.00	100.00	100.00
No mental health service	Criminal offences	2.08	2.07	2.08	2.08	2.06	1.96
	No criminal offences	97.92	97.93	97.92	97.92	97.94	98.04
	Total	100.00	100.00	100.00	100.00	100.00	100.00

## Tables

TABLE 13: Number and percentage of young Albertans by mental health service use, post-secondary enrolment, and study year, Albertan youth and young adults aged 17 to 25 years

Mental health service use	Post-secondary enrolment	Study year					
		2005/06	2006/07	2007/08	2008/09	2009/10	2010/11
Number of individuals							
Mental health service	Post-secondary	5,938	5,931	5,838	5,856	6,236	6,402
	No post-secondary	23,426	24,352	25,231	26,011	26,457	26,879
	Total	29,364	30,283	31,069	31,867	32,693	33,281
No mental health service	Post-secondary	85,912	84,223	84,069	84,028	86,172	86,869
	No post-secondary	268,315	278,249	290,323	301,804	309,994	312,975
	Total	354,227	362,472	374,392	385,832	396,166	399,844
Percentage of individuals							
Mental health service	Post-secondary	20.22	19.59	18.79	18.38	19.07	19.24
	No post-secondary	79.78	80.41	81.21	81.62	80.93	80.76
	Total	100.00	100.00	100.00	100.00	100.00	100.00
No mental health service	Post-secondary	24.25	23.24	22.45	21.78	21.75	21.73
	No post-secondary	75.75	76.76	77.55	78.22	78.25	78.27
	Total	100.00	100.00	100.00	100.00	100.00	100.00

## Tables

TABLE 14: Number and percentage of young Albertans with a mental health service by type of condition and study year, young Albertans aged 0 to 25 years

Mental health service use	Study year					
	2005/06	2006/07	2007/08	2008/09	2009/10	2010/11
Number of individuals						
Mood/anxiety	33,544	33,752	34,220	35,104	35,598	36,069
Depression	18,253	18,409	18,322	18,816	18,577	18,497
Anxiety	17,602	17,420	18,055	18,668	19,763	20,399
Behavioural	28,037	28,686	29,408	30,267	30,672	31,658
All other	10,093	10,450	10,848	11,437	12,370	12,560
Autism	3,158	3,421	3,738	3,979	4,344	4,695
Schizophrenia/psychoses	2,153	2,102	2,021	2,153	2,269	2,277
Other	5,097	5,267	5,437	5,678	6,202	6,057
Any mental health service	61,249	62,287	63,571	65,123	66,671	67,853
No mental health service	1,061,469	1,079,571	1,107,706	1,134,094	1,164,414	1,181,852
Total N	1,122,718	1,141,858	1,171,277	1,199,217	1,231,085	1,249,705
Percentage of individuals						
Mood/anxiety	2.99	2.96	2.92	2.93	2.89	2.89
Depression	1.63	1.61	1.56	1.57	1.51	1.48
Anxiety	1.57	1.53	1.54	1.56	1.61	1.63
Behavioural	2.50	2.51	2.51	2.52	2.49	2.53
All other	0.90	0.92	0.93	0.95	1.00	1.01
Autism	0.28	0.30	0.32	0.33	0.35	0.38
Schizophrenia/psychoses	0.19	0.18	0.17	0.18	0.18	0.18
Other	0.45	0.46	0.46	0.47	0.50	0.48
Percentage of individuals with mental health service use						
Mood/anxiety	54.77	54.19	53.83	53.90	53.39	53.16
Depression	29.80	29.56	28.82	28.89	27.86	27.26
Anxiety	28.74	27.97	28.40	28.67	29.64	30.06
Behavioural	45.78	46.05	46.26	46.48	46.01	46.66
All other	16.48	16.78	17.06	17.56	18.55	18.51
Autism	5.16	5.49	5.88	6.11	6.52	6.92
Schizophrenia/psychoses	3.52	3.37	3.18	3.31	3.40	3.36
Other	8.32	8.46	8.55	8.72	9.30	8.93

Mental health conditions were rolled up to Mood/anxiety (depression and anxiety), Behavioural, and All other (autism, schizophrenia/psychoses and other) for the big number breakdown. Individuals may have more than one mental health condition. As such, mental health conditions are not mutually exclusive.

## Tables

TABLE 15a: Number of young Albertans with mental health service use by mental health condition, age group, and study year, young Albertans aged 0 to 25 years

Mental health condition	Age group	Study year					
		2005/06	2006/07	2007/08	2008/09	2009/10	2010/11
Number of individuals							
Depression	0 to 5	268	303	375	526	272	202
	6 to 10	711	649	628	725	707	673
	11 to 15	2,478	2,411	2,319	2,350	2,403	2,421
	16 to 20	6,352	6,312	6,259	6,498	6,595	6,614
	21 to 25	8,444	8,734	8,741	8,717	8,600	8,587
	Total	18,253	18,409	18,322	18,816	18,577	18,497
Anxiety	0 to 5	999	863	925	883	1,126	1,131
	6 to 10	2,349	2,356	2,394	2,315	2,452	2,518
	11 to 15	3,246	3,210	3,336	3,452	3,521	3,754
	16 to 20	4,765	4,569	4,883	5,173	5,484	5,686
	21 to 25	6,243	6,422	6,517	6,845	7,180	7,310
	Total	17,602	17,420	18,055	18,668	19,763	20,399
Behavioural	0 to 5	1,126	1,223	1,457	1,569	1,369	1,425
	6 to 10	6,463	6,401	6,459	6,703	6,811	7,099
	11 to 15	7,619	7,825	7,836	7,850	7,986	8,074
	16 to 20	7,182	7,322	7,435	7,700	7,744	7,949
	21 to 25	5,647	5,915	6,221	6,445	6,762	7,111
	Total	28,037	28,686	29,408	30,267	30,672	31,658
Autism	0 to 5	623	660	697	779	807	896
	6 to 10	1,223	1,283	1,324	1,385	1,528	1,599
	11 to 15	867	1,001	1,141	1,200	1,273	1,360
	16 to 20	358	404	481	507	593	667
	21 to 25	87	73	95	108	143	173
	Total	3,158	3,421	3,738	3,979	4,344	4,695
Schizophrenia/psychoses	0 to 5	29	21	25	33	29	27
	6 to 10	137	145	116	119	116	108
	11 to 15	230	225	204	215	262	252
	16 to 20	693	642	661	715	755	784
	21 to 25	1,064	1,069	1,015	1,071	1,107	1,106
	Total	2,153	2,102	2,021	2,153	2,269	2,277
Other mental health condition	0 to 5	654	713	703	732	800	756
	6 to 10	1,407	1,448	1,495	1,613	1,700	1,573
	11 to 15	1,194	1,207	1,243	1,239	1,402	1,422
	16 to 20	1,014	1,054	1,097	1,117	1,198	1,259
	21 to 25	828	845	899	977	1,102	1,047
	Total	5,097	5,267	5,437	5,678	6,202	6,057

## Tables

TABLE 15b: Percentage of young Albertans with mental health service use by mental health condition, age group, and study year, young Albertans aged 0 to 25 years

Mental health condition	Age group	Study year					
		2005/06	2006/07	2007/08	2008/09	2009/10	2010/11
Percentage of individuals with mental health service use							
Depression	0 to 5	1.47	1.65	2.05	2.80	1.46	1.09
	6 to 10	3.90	3.53	3.43	3.85	3.81	3.64
	11 to 15	13.58	13.10	12.66	12.49	12.94	13.09
	16 to 20	34.80	34.29	34.16	34.53	35.50	35.76
	21 to 25	46.26	47.44	47.71	46.33	46.29	46.42
	Total	100.00	100.00	100.00	100.00	100.00	100.00
Anxiety	0 to 5	5.68	4.95	5.12	4.73	5.70	5.54
	6 to 10	13.35	13.52	13.26	12.40	12.41	12.34
	11 to 15	18.44	18.43	18.48	18.49	17.82	18.40
	16 to 20	27.07	26.23	27.05	27.71	27.75	27.87
	21 to 25	35.47	36.87	36.10	36.67	36.33	35.84
	Total	100.00	100.00	100.00	100.00	100.00	100.00
Behavioural	0 to 5	4.02	4.26	4.95	5.18	4.46	4.50
	6 to 10	23.05	22.31	21.96	22.15	22.21	22.42
	11 to 15	27.17	27.28	26.65	25.94	26.04	25.50
	16 to 20	25.62	25.52	25.28	25.44	25.25	25.11
	21 to 25	20.14	20.62	21.15	21.29	22.05	22.46
	Total	100.00	100.00	100.00	100.00	100.00	100.00
Autism	0 to 5	19.73	19.29	18.65	19.58	18.58	19.08
	6 to 10	38.73	37.50	35.42	34.81	35.17	34.06
	11 to 15	27.45	29.26	30.52	30.16	29.30	28.97
	16 to 20	11.34	11.81	12.87	12.74	13.65	14.21
	21 to 25	2.75	2.13	2.54	2.71	3.29	3.68
	Total	100.00	100.00	100.00	100.00	100.00	100.00
Schizophrenia/psychoses	0 to 5	1.35	1.00	1.24	1.53	1.28	1.19
	6 to 10	6.36	6.90	5.74	5.53	5.11	4.74
	11 to 15	10.68	10.70	10.09	9.99	11.55	11.07
	16 to 20	32.19	30.54	32.71	33.21	33.27	34.43
	21 to 25	49.42	50.86	50.22	49.74	48.79	48.57
	Total	100.00	100.00	100.00	100.00	100.00	100.00
Other mental health condition	0 to 5	12.83	13.54	12.93	12.89	12.90	12.48
	6 to 10	27.60	27.49	27.50	28.41	27.41	25.97
	11 to 15	23.43	22.92	22.86	21.82	22.61	23.48
	16 to 20	19.89	20.01	20.18	19.67	19.32	20.79
	21 to 25	16.24	16.04	16.53	17.21	17.77	17.29
	Total	100.00	100.00	100.00	100.00	100.00	100.00

## Tables

TABLE 16: Number and percentage of young Albertans with mental health service use by mental health condition, gender, and study year, young Albertans aged 0 to 25 years

Mental health condition	Gender	Study year					
		2005/06	2006/07	2007/08	2008/09	2009/10	2010/11
Number of individuals							
Depression	Female	11,755	11,860	11,751	11,914	11,546	11,542
	Male	6,498	6,549	6,571	6,902	7,031	6,955
	Total	18,253	18,409	18,322	18,816	18,577	18,497
Anxiety	Female	9,930	9,872	10,126	10,286	10,800	11,123
	Male	7,672	7,548	7,929	8,382	8,963	9,276
	Total	17,602	17,420	18,055	18,668	19,763	20,399
Behavioural	Female	10,372	10,711	11,041	11,386	11,456	11,824
	Male	17,665	17,975	18,367	18,881	19,216	19,834
	Total	28,037	28,686	29,408	30,267	30,672	31,658
Autism	Female	655	677	730	787	835	908
	Male	2,503	2,744	3,008	3,192	3,509	3,787
	Total	3,158	3,421	3,738	3,979	4,344	4,695
Schizophrenia/psychoses	Female	820	760	728	762	838	837
	Male	1,333	1,342	1,293	1,391	1,431	1,440
	Total	2,153	2,102	2,021	2,153	2,269	2,277
Other mental health condition	Female	2,385	2,473	2,567	2,652	2,881	2,806
	Male	2,712	2,794	2,870	3,026	3,321	3,251
	Total	5,097	5,267	5,437	5,678	6,202	6,057
Percentage of individuals with mental health service use							
Depression	Female	64.40	64.43	64.14	63.32	62.15	62.40
	Male	35.60	35.57	35.86	36.68	37.85	37.60
	Total	100.00	100.00	100.00	100.00	100.00	100.00
Anxiety	Female	56.41	56.67	56.08	55.10	54.65	54.53
	Male	43.59	43.33	43.92	44.90	45.35	45.47
	Total	100.00	100.00	100.00	100.00	100.00	100.00
Behavioural	Female	36.99	37.34	37.54	37.62	37.35	37.35
	Male	63.01	62.66	62.46	62.38	62.65	62.65
	Total	100.00	100.00	100.00	100.00	100.00	100.00
Autism	Female	20.74	19.79	19.53	19.78	19.22	19.34
	Male	79.26	80.21	80.47	80.22	80.78	80.66
	Total	100.00	100.00	100.00	100.00	100.00	100.00
Schizophrenia/psychoses	Female	38.09	36.16	36.02	35.39	36.93	36.76
	Male	61.91	63.84	63.98	64.61	63.07	63.24
	Total	100.00	100.00	100.00	100.00	100.00	100.00
Other mental health condition	Female	46.79	46.95	47.21	46.71	46.45	46.33
	Male	53.21	53.05	52.79	53.29	53.55	53.67
	Total	100.00	100.00	100.00	100.00	100.00	100.00

## Tables

TABLE 17a: Number of young Albertans with mental health service use by mental health condition, socio-economic status, and study year, young Albertans aged 0 to 25 years

Mental health condition	Socio-economic status	Study year					
		2005/06	2006/07	2007/08	2008/09	2009/10	2010/11
Number of individuals							
Depression	Lowest	4,817	4,754	4,695	4,643	4,585	4,381
	Low middle	3,852	3,781	3,841	3,817	3,768	3,849
	Middle	3,371	3,334	3,286	3,392	3,338	3,285
	High middle	2,790	2,916	2,874	3,093	3,132	3,147
	Highest	2,721	2,923	2,928	3,138	3,105	3,132
	Total	17,551	17,708	17,624	18,083	17,928	17,794
Anxiety	Lowest	4,652	4,607	4,778	4,765	5,004	5,069
	Low middle	3,728	3,414	3,596	3,776	3,838	3,823
	Middle	3,119	3,094	3,158	3,363	3,529	3,557
	High middle	2,756	2,903	2,896	3,047	3,316	3,500
	Highest	2,604	2,725	2,923	2,984	3,282	3,689
	Total	16,859	16,743	17,351	17,935	18,969	19,638
Behavioural	Lowest	7,755	7,777	7,849	7,917	7,936	7,969
	Low middle	5,911	5,894	6,050	6,175	6,038	6,219
	Middle	4,897	4,928	5,018	5,218	5,257	5,388
	High middle	4,346	4,526	4,719	4,870	5,079	5,432
	Highest	3,862	4,206	4,391	4,726	4,973	5,272
	Total	26,771	27,331	28,027	28,906	29,283	30,280
Autism	Lowest	656	726	807	847	940	1,006
	Low middle	623	635	707	753	828	873
	Middle	572	617	657	710	747	827
	High middle	590	657	681	729	832	877
	Highest	624	690	779	804	870	989
	Total	3,065	3,325	3,631	3,843	4,217	4,572
Schizophrenia/psychoses	Lowest	645	612	591	575	639	603
	Low middle	453	416	410	437	445	441
	Middle	411	392	332	423	411	423
	High middle	299	283	299	320	332	339
	Highest	241	296	281	299	334	348
	Total	2,049	1,999	1,913	2,054	2,161	2,154
Other mental health condition	Lowest	1,195	1,220	1,205	1,236	1,426	1,230
	Low middle	1,037	1,021	1,067	1,072	1,184	1,103
	Middle	909	913	938	1,007	1,051	1,068
	High middle	926	943	976	1,017	1,131	1,195
	Highest	863	962	1,056	1,147	1,189	1,283
	Total	4,930	5,059	5,242	5,479	5,981	5,879

## Tables

TABLE 17b: Percentage of young Albertans with mental health service use by mental health condition, socio-economic status, and study year, young Albertans aged 0 to 25 years

Mental health condition	Socio-economic status	Study year					
		2005/06	2006/07	2007/08	2008/09	2009/10	2010/11
Percentage of individuals with mental health service use							
Depression	Lowest	27.45	26.85	26.64	25.68	25.57	24.62
	Low middle	21.95	21.35	21.79	21.11	21.02	21.63
	Middle	19.21	18.83	18.65	18.76	18.62	18.46
	High middle	15.90	16.47	16.31	17.10	17.47	17.69
	Highest	15.50	16.51	16.61	17.35	17.32	17.60
	Total	100.00	100.00	100.00	100.00	100.00	100.00
Anxiety	Lowest	27.59	27.52	27.54	26.57	26.38	25.81
	Low middle	22.11	20.39	20.73	21.05	20.23	19.47
	Middle	18.50	18.48	18.20	18.75	18.60	18.11
	High middle	16.35	17.34	16.69	16.99	17.48	17.82
	Highest	15.45	16.28	16.85	16.64	17.30	18.79
	Total	100.00	100.00	100.00	100.00	100.00	100.00
Behavioural	Lowest	28.97	28.45	28.01	27.39	27.10	26.32
	Low middle	22.08	21.57	21.59	21.36	20.62	20.54
	Middle	18.29	18.03	17.90	18.05	17.95	17.79
	High middle	16.23	16.56	16.84	16.85	17.34	17.94
	Highest	14.43	15.39	15.67	16.35	16.98	17.41
	Total	100.00	100.00	100.00	100.00	100.00	100.00
Autism	Lowest	21.40	21.83	22.23	22.04	22.29	22.00
	Low middle	20.33	19.10	19.47	19.59	19.63	19.09
	Middle	18.66	18.56	18.09	18.48	17.71	18.09
	High middle	19.25	19.76	18.76	18.97	19.73	19.18
	Highest	20.36	20.75	21.45	20.92	20.63	21.63
	Total	100.00	100.00	100.00	100.00	100.00	100.00
Schizophrenia/psychoses	Lowest	31.48	30.62	30.89	27.99	29.57	27.99
	Low middle	22.11	20.81	21.43	21.28	20.59	20.47
	Middle	20.06	19.61	17.35	20.59	19.02	19.64
	High middle	14.59	14.16	15.63	15.58	15.36	15.74
	Highest	11.76	14.81	14.69	14.56	15.46	16.16
	Total	100.00	100.00	100.00	100.00	100.00	100.00
Other mental health condition	Lowest	24.24	24.12	22.99	22.56	23.84	20.92
	Low middle	21.03	20.18	20.35	19.57	19.80	18.76
	Middle	18.44	18.05	17.89	18.38	17.57	18.17
	High middle	18.78	18.64	18.62	18.56	18.91	20.33
	Highest	17.51	19.02	20.14	20.93	19.88	21.82
	Total	100.00	100.00	100.00	100.00	100.00	100.00

## Tables

TABLE 18a: Number of young Albertans with mental health service use by mental health condition, residential mobility, and study year, young Albertans aged 0 to 25 years

Mental health condition	Residential mobility	Study year					
		2005/06	2006/07	2007/08	2008/09	2009/10	2010/11
Number of individuals							
Depression	No moves	13,149	13,583	13,501	14,309	15,172	15,008
	One Move	3,763	3,738	3,726	3,518	2,622	2,629
	Two or more moves	1,341	1,088	1,095	989	783	860
	Total	18,253	18,409	18,322	18,816	18,577	18,497
Anxiety	No moves	13,239	13,282	13,727	14,669	16,321	16,863
	One Move	3,356	3,246	3,430	3,151	2,763	2,806
	Two or more moves	1,004	884	891	835	665	714
	Total	17,599	17,412	18,048	18,655	19,749	20,383
Behavioural	No moves	21,365	22,251	22,879	23,833	25,508	26,133
	One Move	5,069	5,047	5,098	5,070	3,962	4,268
	Two or more moves	1,594	1,371	1,421	1,349	1,190	1,243
	Total	28,028	28,669	29,398	30,252	30,660	31,644
Autism	No moves	2,482	2,674	2,935	3,218	3,659	3,963
	One Move	437	466	534	501	485	513
	Two or more moves	84	82	78	83	72	80
	Total	3,003	3,222	3,547	3,802	4,216	4,556
Schizophrenia/psychoses	No moves	1,488	1,497	1,452	1,552	1,719	1,724
	One Move	439	442	399	394	394	382
	Two or more moves	223	160	168	204	154	167
	Total	2,150	2,099	2,019	2,150	2,267	2,273
Other mental health condition	No moves	4,153	4,232	4,362	4,692	5,288	5,203
	One Move	747	866	894	828	770	712
	Two or more moves	197	169	181	158	144	142
	Total	5,097	5,267	5,437	5,678	6,202	6,057

## Tables

TABLE 18b: Percentage of young Albertans with mental health service use by mental health condition, residential mobility, and study year, young Albertans aged 0 to 25 years

Mental health condition	Residential mobility	Study year					
		2005/06	2006/07	2007/08	2008/09	2009/10	2010/11
Percentage of individuals with mental health service use		2005/06	2006/07	2007/08	2008/09	2009/10	2010/11
Depression	No moves	72.04	73.78	73.69	76.05	81.67	81.14
	One Move	20.62	20.31	20.34	18.70	14.11	14.21
	Two or more moves	7.35	5.91	5.98	5.26	4.21	4.65
	Total	100.00	100.00	100.00	100.00	100.00	100.00
Anxiety	No moves	75.23	76.28	76.06	78.63	82.64	82.73
	One Move	19.07	18.64	19.00	16.89	13.99	13.77
	Two or more moves	5.70	5.08	4.94	4.48	3.37	3.50
	Total	100.00	100.00	100.00	100.00	100.00	100.00
Behavioural	No moves	76.23	77.61	77.83	78.78	83.20	82.58
	One Move	18.09	17.60	17.34	16.76	12.92	13.49
	Two or more moves	5.69	4.78	4.83	4.46	3.88	3.93
	Total	100.00	100.00	100.00	100.00	100.00	100.00
Autism	No moves	82.65	82.99	82.75	84.64	86.79	86.98
	One Move	14.55	14.46	15.05	13.18	11.50	11.26
	Two or more moves	2.80	2.55	2.20	2.18	1.71	1.76
	Total	100.00	100.00	100.00	100.00	100.00	100.00
Schizophrenia/psychoses	No moves	69.21	71.32	71.92	72.19	75.83	75.85
	One Move	20.42	21.06	19.76	18.33	17.38	16.81
	Two or more moves	10.37	7.62	8.32	9.49	6.79	7.35
	Total	100.00	100.00	100.00	100.00	100.00	100.00
Other mental health condition	No moves	81.48	80.35	80.23	82.63	85.26	85.90
	One Move	14.66	16.44	16.44	14.58	12.42	11.75
	Two or more moves	3.87	3.21	3.33	2.78	2.32	2.34
	Total	100.00	100.00	100.00	100.00	100.00	100.00

## Tables

TABLE 19: Number and percentage of young Albertans with mental health service use by mental health condition, high cost health use, and study year, young Albertans aged 0 to 25 years

Mental health condition	High cost health use	Study year					
		2005/06	2006/07	2007/08	2008/09	2009/10	2010/11
Number of individuals							
Depression	High cost	4,846	4,940	5,018	5,457	5,321	5,357
	Not high cost	13,407	13,469	13,304	13,359	13,256	13,140
	Total	18,253	18,409	18,322	18,816	18,577	18,497
Anxiety	High cost	4,757	4,639	4,775	5,006	5,463	5,638
	Not high cost	12,842	12,773	13,273	13,649	14,286	14,745
	Total	17,599	17,412	18,048	18,655	19,749	20,383
Behavioural	High cost	7,336	7,572	7,885	8,206	8,138	8,409
	Not high cost	20,692	21,097	21,513	22,046	22,522	23,235
	Total	28,028	28,669	29,398	30,252	30,660	31,644
Autism	High cost	824	903	939	970	1,110	1,224
	Not high cost	2,179	2,319	2,608	2,832	3,106	3,332
	Total	3,003	3,222	3,547	3,802	4,216	4,556
Schizophrenia/psychoses	High cost	1,347	1,276	1,249	1,337	1,422	1,459
	Not high cost	803	823	770	813	845	814
	Total	2,150	2,099	2,019	2,150	2,267	2,273
Other mental health condition	High cost	1,750	1,795	1,800	1,880	2,021	1,955
	Not high cost	3,347	3,472	3,637	3,798	4,181	4,102
	Total	5,097	5,267	5,437	5,678	6,202	6,057
Percentage of individuals with mental health service use							
Depression	High cost	26.55	26.83	27.39	29.00	28.64	28.96
	Not high cost	73.45	73.17	72.61	71.00	71.36	71.04
	Total	100.00	100.00	100.00	100.00	100.00	100.00
Anxiety	High cost	27.03	26.64	26.46	26.83	27.66	27.66
	Not high cost	72.97	73.36	73.54	73.17	72.34	72.34
	Total	100.00	100.00	100.00	100.00	100.00	100.00
Behavioural	High cost	26.17	26.41	26.82	27.13	26.54	26.57
	Not high cost	73.83	73.59	73.18	72.87	73.46	73.43
	Total	100.00	100.00	100.00	100.00	100.00	100.00
Autism	High cost	27.44	28.03	26.47	25.51	26.33	26.87
	Not high cost	72.56	71.97	73.53	74.49	73.67	73.13
	Total	100.00	100.00	100.00	100.00	100.00	100.00
Schizophrenia/psychoses	High cost	62.65	60.79	61.86	62.19	62.73	64.19
	Not high cost	37.35	39.21	38.14	37.81	37.27	35.81
	Total	100.00	100.00	100.00	100.00	100.00	100.00
Other mental health condition	High cost	34.33	34.08	33.11	33.11	32.59	32.28
	Not high cost	65.67	65.92	66.89	66.89	67.41	67.72
	Total	100.00	100.00	100.00	100.00	100.00	100.00

## Tables

TABLE 20: Number and percentage of young Albertans with mental health service use by mental health condition, educational achievement, and study year, young Albertans aged in grades 3 to 12

Mental health condition	Educational achievement	Study year					
		2005/06	2006/07	2007/08	2008/09	2009/10	2010/11
Number of individuals							
Depression	Below expectations	2,018	2,002	1,899	1,929	2,063	1,907
	Meeting/ above expectations	3,169	2,977	2,994	3,245	3,349	3,456
	Total	5,187	4,979	4,893	5,174	5,412	5,363
Anxiety	Below expectations	2,028	2,026	2,118	2,167	2,316	2,350
	Meeting/ above expectations	3,999	3,823	4,047	4,291	4,476	4,889
	Total	6,027	5,849	6,165	6,458	6,792	7,239
Behavioural	Below expectations	5,033	5,197	5,282	5,159	5,300	5,180
	Meeting/ above expectations	8,075	8,133	8,185	8,746	8,832	9,323
	Total	13,108	13,330	13,467	13,905	14,132	14,503
Autism	Below expectations	1,060	1,181	1,255	1,394	1,437	1,523
	Meeting/ above expectations	502	571	675	712	809	909
	Total	1,562	1,752	1,930	2,106	2,246	2,432
Schizophrenia/psychoses	Below expectations	284	298	298	287	323	314
	Meeting/ above expectations	230	213	177	219	253	276
	Total	514	511	475	506	576	590
Other mental health condition	Below expectations	648	640	656	680	771	708
	Meeting/ above expectations	1,530	1,608	1,707	1,713	1,882	1,918
	Total	2,178	2,248	2,363	2,393	2,653	2,626
Percentage of individuals with mental health service use							
Depression	Below expectations	38.90	40.21	38.81	37.28	38.12	35.56
	Meeting/ above expectations	61.10	59.79	61.19	62.72	61.88	64.44
	Total	100.00	100.00	100.00	100.00	100.00	100.00
Anxiety	Below expectations	33.65	34.64	34.36	33.56	34.10	32.46
	Meeting/ above expectations	66.35	65.36	65.64	66.44	65.90	67.54
	Total	100.00	100.00	100.00	100.00	100.00	100.00
Behavioural	Below expectations	38.40	38.99	39.22	37.10	37.50	35.72
	Meeting/ above expectations	61.60	61.01	60.78	62.90	62.50	64.28
	Total	100.00	100.00	100.00	100.00	100.00	100.00
Autism	Below expectations	67.86	67.41	65.03	66.19	63.98	62.62
	Meeting/ above expectations	32.14	32.59	34.97	33.81	36.02	37.38
	Total	100.00	100.00	100.00	100.00	100.00	100.00
Schizophrenia/psychoses	Below expectations	55.25	58.32	62.74	56.72	56.08	53.22
	Meeting/ above expectations	44.75	41.68	37.26	43.28	43.92	46.78
	Total	100.00	100.00	100.00	100.00	100.00	100.00
Other mental health condition	Below expectations	29.75	28.47	27.76	28.42	29.06	26.96
	Meeting/ above expectations	70.25	71.53	72.24	71.58	70.94	73.04
	Total	100.00	100.00	100.00	100.00	100.00	100.00

## Tables

TABLE 21: Number and percentage of young Albertans with mental health service use by mental health condition, special needs service use, and study year, Albertan children and youth aged 2.5 to 19 years

Mental health condition	Students with special needs	Study year					
		2005/06	2006/07	2007/08	2008/09	2009/10	2010/11
Number of individuals							
Depression	Special needs	1,832	1,824	1,820	2,019	2,012	1,944
	No special needs	7,368	7,225	7,095	7,362	7,381	7,390
	Total	9,200	9,049	8,915	9,381	9,393	9,334
Anxiety	Special needs	2,993	2,901	3,142	3,310	3,493	3,640
	No special needs	7,746	7,550	7,789	7,923	8,423	8,693
	Total	10,739	10,451	10,931	11,233	11,916	12,333
Behavioural	Special needs	7,783	7,980	8,375	8,607	8,839	8,971
	No special needs	13,920	14,095	13,993	14,345	14,264	14,819
	Total	21,703	22,075	22,368	22,952	23,103	23,790
Autism	Special needs	2,433	2,657	2,921	3,163	3,369	3,535
	No special needs	549	606	625	606	713	871
	Total	2,982	3,263	3,546	3,769	4,082	4,406
Schizophrenia/psychoses	Special needs	290	290	288	289	327	307
	No special needs	711	674	645	730	755	788
	Total	1,001	964	933	1,019	1,082	1,095
Other mental health condition	Special needs	1,179	1,146	1,145	1,239	1,423	1,314
	No special needs	2,875	3,008	3,110	3,142	3,351	3,374
	Total	4,054	4,154	4,255	4,381	4,774	4,688
Percentage of individuals with mental health service use							
Depression	Special needs	19.91	20.16	20.42	21.52	21.42	20.83
	No special needs	80.09	79.84	79.58	78.48	78.58	79.17
	Total	100.00	100.00	100.00	100.00	100.00	100.00
Anxiety	Special needs	27.87	27.76	28.74	29.47	29.31	29.51
	No special needs	72.13	72.24	71.26	70.53	70.69	70.49
	Total	100.00	100.00	100.00	100.00	100.00	100.00
Behavioural	Special needs	35.86	36.15	37.44	37.50	38.26	37.71
	No special needs	64.14	63.85	62.56	62.50	61.74	62.29
	Total	100.00	100.00	100.00	100.00	100.00	100.00
Autism	Special needs	81.59	81.43	82.37	83.92	82.53	80.23
	No special needs	18.41	18.57	17.63	16.08	17.47	19.77
	Total	100.00	100.00	100.00	100.00	100.00	100.00
Schizophrenia/psychoses	Special needs	28.97	30.08	30.87	28.36	30.22	28.04
	No special needs	71.03	69.92	69.13	71.64	69.78	71.96
	Total	100.00	100.00	100.00	100.00	100.00	100.00
Other mental health condition	Special needs	29.08	27.59	26.91	28.28	29.81	28.03
	No special needs	70.92	72.41	73.09	71.72	70.19	71.97
	Total	100.00	100.00	100.00	100.00	100.00	100.00

## Tables

TABLE 22: Number and percentage of young Albertans with mental health service use by mental health condition, Child Intervention service use, and study year, young Albertans aged 0 to 22 years

Mental health condition	Child Intervention services	Study year					
		2005/06	2006/07	2007/08	2008/09	2009/10	2010/11
Number of individuals							
Depression	Child Intervention	944	893	800	715	706	671
	No Child Intervention	13,792	13,741	13,762	14,218	14,100	14,177
	Total	14,736	14,634	14,562	14,933	14,806	14,848
Anxiety	Child Intervention	1,107	1,002	991	998	996	1,008
	No Child Intervention	13,904	13,739	14,270	14,678	15,589	16,250
	Total	15,011	14,741	15,261	15,676	16,585	17,258
Behavioural	Child Intervention	2,891	2,873	2,725	2,515	2,416	2,442
	No Child Intervention	23,028	23,431	24,216	25,199	25,463	26,346
	Total	25,919	26,304	26,941	27,714	27,879	28,788
Autism	Child Intervention	142	145	153	144	165	177
	No Child Intervention	2,986	3,255	3,554	3,804	4,134	4,461
	Total	3,128	3,400	3,707	3,948	4,299	4,638
Schizophrenia/psychoses	Child Intervention	127	124	119	118	106	116
	No Child Intervention	1,595	1,533	1,448	1,571	1,660	1,688
	Total	1,722	1,657	1,567	1,689	1,766	1,804
Other mental health condition	Child Intervention	269	286	230	228	271	264
	No Child Intervention	4,497	4,659	4,840	5,043	5,489	5,332
	Total	4,766	4,945	5,070	5,271	5,760	5,596
Percentage of individuals with mental health service use							
Depression	Child Intervention	6.41	6.10	5.49	4.79	4.77	4.52
	No Child Intervention	93.59	93.90	94.51	95.21	95.23	95.48
	Total	100.00	100.00	100.00	100.00	100.00	100.00
Anxiety	Child Intervention	7.37	6.80	6.49	6.37	6.01	5.84
	No Child Intervention	92.63	93.20	93.51	93.63	93.99	94.16
	Total	100.00	100.00	100.00	100.00	100.00	100.00
Behavioural	Child Intervention	11.15	10.92	10.11	9.07	8.67	8.48
	No Child Intervention	88.85	89.08	89.89	90.93	91.33	91.52
	Total	100.00	100.00	100.00	100.00	100.00	100.00
Autism	Child Intervention	4.54	4.26	4.13	3.65	3.84	3.82
	No Child Intervention	95.46	95.74	95.87	96.35	96.16	96.18
	Total	100.00	100.00	100.00	100.00	100.00	100.00
Schizophrenia/psychoses	Child Intervention	7.38	7.48	7.59	6.99	6.00	6.43
	No Child Intervention	92.62	92.52	92.41	93.01	94.00	93.57
	Total	100.00	100.00	100.00	100.00	100.00	100.00
Other mental health condition	Child Intervention	5.64	5.78	4.54	4.33	4.70	4.72
	No Child Intervention	94.36	94.22	95.46	95.67	95.30	95.28
	Total	100.00	100.00	100.00	100.00	100.00	100.00

## Tables

TABLE 23: Number and percentage of young Albertans with mental health service use by mental health condition, criminal offences and study year, Albertan youth and young adults aged 12 to 25 years

Mental health condition	Criminal offences	Study year					
		2005/06	2006/07	2007/08	2008/09	2009/10	2010/11
Number of individuals							
Depression	Criminal offences	1,045	983	1,026	1,050	1,162	1,105
	No criminal offences	15,971	16,221	16,074	16,276	16,199	16,280
	Total	17,016	17,204	17,100	17,326	17,361	17,385
Anxiety	Criminal offences	697	664	736	797	923	920
	No criminal offences	12,960	12,930	13,431	14,057	14,628	15,160
	Total	13,657	13,594	14,167	14,854	15,551	16,080
Behavioural	Criminal offences	2,275	2,309	2,364	2,346	2,452	2,384
	No criminal offences	16,698	17,159	17,681	18,128	18,436	19,063
	Total	18,973	19,468	20,045	20,474	20,888	21,447
Autism	Criminal offences	16	17	22	30	40	45
	No criminal offences	1,085	1,203	1,424	1,534	1,704	1,856
	Total	1,101	1,220	1,446	1,564	1,744	1,901
Schizophrenia/psychoses	Criminal offences	224	213	229	246	268	264
	No criminal offences	1,721	1,678	1,628	1,731	1,820	1,841
	Total	1,945	1,891	1,857	1,977	2,088	2,105
Other mental health condition	Criminal offences	77	103	110	125	130	138
	No criminal offences	2,673	2,716	2,845	2,935	3,241	3,263
	Total	2,750	2,819	2,955	3,060	3,371	3,401
Percentage of individuals with mental health service use							
Depression	Criminal offences	6.14	5.71	6.00	6.06	6.69	6.36
	No criminal offences	93.86	94.29	94.00	93.94	93.31	93.64
	Total	100.00	100.00	100.00	100.00	100.00	100.00
Anxiety	Criminal offences	5.10	4.88	5.20	5.37	5.94	5.72
	No criminal offences	94.90	95.12	94.80	94.63	94.06	94.28
	Total	100.00	100.00	100.00	100.00	100.00	100.00
Behavioural	Criminal offences	11.99	11.86	11.79	11.46	11.74	11.12
	No criminal offences	88.01	88.14	88.21	88.54	88.26	88.88
	Total	100.00	100.00	100.00	100.00	100.00	100.00
Autism	Criminal offences	1.45	1.39	1.52	1.92	2.29	2.37
	No criminal offences	98.55	98.61	98.48	98.08	97.71	97.63
	Total	100.00	100.00	100.00	100.00	100.00	100.00
Schizophrenia/psychoses	Criminal offences	11.52	11.26	12.33	12.44	12.84	12.54
	No criminal offences	88.48	88.74	87.67	87.56	87.16	87.46
	Total	100.00	100.00	100.00	100.00	100.00	100.00
Other mental health condition	Criminal offences	2.80	3.65	3.72	4.08	3.86	4.06
	No criminal offences	97.20	96.35	96.28	95.92	96.14	95.94
	Total	100.00	100.00	100.00	100.00	100.00	100.00

## Tables

TABLE 24: Number and percentage of young Albertans with mental health service use by mental health condition, post-secondary enrolment, and study year, Albertan youth and young adults aged 17 to 25 years

Mental health condition		Post-secondary enrolment		Study year			
		2005/06	2006/07	2007/08	2008/09	2009/10	2010/11
Number of individuals							
Depression	Post-secondary	2,787	2,648	2,667	2,594	2,658	2,697
	No post-secondary	10,214	10,644	10,600	10,738	10,736	10,737
	Total	13,001	13,292	13,267	13,332	13,394	13,434
Anxiety	Post-secondary	2,083	2,037	2,054	2,058	2,216	2,287
	No post-secondary	7,480	7,612	7,885	8,471	8,939	9,110
	Total	9,563	9,649	9,939	10,529	11,155	11,397
Behavioural	Post-secondary	1,625	1,580	1,573	1,656	1,887	1,947
	No post-secondary	8,698	9,075	9,497	9,785	10,059	10,432
	Total	10,323	10,655	11,070	11,441	11,946	12,379
Autism	Post-secondary	19	22	22	22	30	30
	No post-secondary	227	256	306	325	409	487
	Total	246	278	328	347	439	517
Schizophrenia/psychoses	Post-secondary	245	220	187	207	224	218
	No post-secondary	1,367	1,352	1,337	1,415	1,472	1,475
	Total	1,612	1,572	1,524	1,622	1,696	1,693
Other mental health condition	Post-secondary	331	351	372	363	443	415
	No post-secondary	1,106	1,167	1,227	1,358	1,426	1,466
	Total	1,437	1,518	1,599	1,721	1,869	1,881
Percentage of individuals with mental health service use							
Depression	Post-secondary	21.44	19.92	20.10	19.46	19.84	20.08
	No post-secondary	78.56	80.08	79.90	80.54	80.16	79.92
	Total	100.00	100.00	100.00	100.00	100.00	100.00
Anxiety	Post-secondary	21.78	21.11	20.67	19.55	19.87	20.07
	No post-secondary	78.22	78.89	79.33	80.45	80.13	79.93
	Total	100.00	100.00	100.00	100.00	100.00	100.00
Behavioural	Post-secondary	15.74	14.83	14.21	14.47	15.80	15.73
	No post-secondary	84.26	85.17	85.79	85.53	84.20	84.27
	Total	100.00	100.00	100.00	100.00	100.00	100.00
Autism	Post-secondary	7.72	7.91	6.71	6.34	6.83	5.80
	No post-secondary	92.28	92.09	93.29	93.66	93.17	94.20
	Total	100.00	100.00	100.00	100.00	100.00	100.00
Schizophrenia/psychoses	Post-secondary	15.20	13.99	12.27	12.76	13.21	12.88
	No post-secondary	84.80	86.01	87.73	87.24	86.79	87.12
	Total	100.00	100.00	100.00	100.00	100.00	100.00
Other mental health condition	Post-secondary	23.03	23.12	23.26	21.09	23.70	22.06
	No post-secondary	76.97	76.88	76.74	78.91	76.30	77.94
	Total	100.00	100.00	100.00	100.00	100.00	100.00

## Definitions and notes

- **Age, gender,** and postal code (translated into Statistics Canada **dissemination areas**) were provided for each individual by each participating program. In the case of discrepancies between programs, the most common value for an indicator was chosen. In the event of two or more most common values, the value for the indicator was chosen randomly from the most common values.
- **Child Intervention** services are focused on meeting the safety and well-being of children and helping families and communities to meet these needs. The Child Intervention Program provides services to children and youth between the ages of 0 and 17 years who are or may be at risk of being abused, neglected or otherwise in need of intervention. As well, young adults (18-22 years of age) may also be eligible for post-intervention supports through the use of Support and Financial Assistance Agreements to help them transition to adulthood.
- Individuals with **criminal offences** include those (aged 12 or older) charged with offences under various federal statutes.
- **Children's Services (CS) and Community and Social Services (CSS)** service delivery **regions** were used for regional analyses. Dissemination areas from the 2006 Statistics Canada Census were used to determine region. Those with missing dissemination areas are excluded from analyses. There are seven regions (Northwest, Northeast, North Central, Edmonton, Central, Calgary, South); the boundaries for these regions are shown on the map.
- **Cross-ministry analyses included only study participants who were linked across the relevant programs.** This means that not all participants in the project were represented in every analysis. As well, only participants with a value for a given indicator were included in analyses involving that indicator (i.e., missing values were excluded).
- **Educational achievement** was computed by Alberta Education using age, grade, school type, special education codes, provincial achievement test scores (grades 3, 6, 9), number of high school credits earned, number of higher level courses taken, average grade in higher level courses, possession of an Alberta Education certificate or diploma, and Alexander Rutherford scholarship eligibility. Educational achievement was categorized as above, meeting, or below expectations for a student's age and grade. An educational achievement rating was not available for youth in 'other' schools (accredited post-secondary institutions offering high school courses for credit to adults; most youth in these schools were between 18 and 20 years), for home-educated high school youth with no credits, and for students in grades lower than 3.
- **High cost health service use:** Cost estimates per type of service across physician visits (general practitioner or specialist), ambulatory care visits (emergency or other ambulatory care), and hospitalizations (by type of service) were obtained from the Canadian Institute for Health Information. Estimated costs per visit were summed across all visits for each individual. High cost health users were those in the top 5% of estimated costs for their age groups and genders.
- **Health zones** service delivery zones were used for regional analyses. Dissemination areas from the 2006 Statistics Canada Census were used to determine zone. Those with missing dissemination areas are excluded from analyses. There are five regions (North, Edmonton, Central, Calgary, South); the boundaries for these regions are shown on the map.



## Definitions and notes (continued)

- **Mental health service use** was defined by the presence or absence of mental health diagnosis codes (two or more of ICD-9: 290-309.9, 311-314.9, 316, or a single ICD-10CA: F00-F06.9, F09-F69, F84-F99, G31.2, G44.2, R41.0) in Alberta Health's databases (Inpatient—Discharge Abstract Database, Ambulatory Care, and Practitioner Payments), or in the Family Support for Children with Disabilities (FSCD) or the Assured Income for the Severely Handicapped (AISH) information systems. Only Albertans who were registered with the Alberta Health Care Insurance Plan for the full fiscal year or who had a mental health service with FSCD or AISH were included. Mental health service use is a proxy for presence of a mental health condition; some youth with mental health conditions may not have accessed mental health services in Alberta during the year, and some mental health service use may have occurred for youth who did not in fact have mental health conditions.
- **Mental health conditions** were grouped into mood/anxiety (anxiety, depression), behavioural (attention-deficit disorder, adjustment disorder, substance use, or conduct disorder), autism, schizophrenia/psychoses (schizophrenia, other psychosis), or other. Conditions were not mutually exclusive; an individual could have a diagnosis in more than one category.
- **Post-secondary** students are individuals (aged 17 to 30) enrolled in publicly-funded universities, public colleges, and technical institutes in Alberta.
- **Report population:** For this report, age groups were equated across study years. This meant that individuals over the age of 25 years were excluded from analyses by year, because no study participants were older than 25 years in the first study year.
- **Residential mobility** was defined as the number of unique postal codes within the Alberta Health Care Insurance Plan registry during the study period. Health care premiums ceased to be collected on January 1st, 2009; addresses in the registry have been updated less often since that time, reducing their accuracy.
- **Socio-economic status (SES)** captures the social and material environments in which individuals lived. For each year of the study period, an individual was assigned a dissemination area level socio-economic status via an index based on Statistics Canada 2006 Census data<sup>12</sup>. Six indicators were included in the index: percent without a high school diploma, the employment rate, average income, percent of single families, percent of persons living alone, and percent of persons separated, divorced, or widowed. Socio-economic status values fell into five quintiles of 2006 census.
- **Students with special needs** (aged 2.5 to 19) receive special education programming services.
- **Study population:** The study included individuals with a date of birth between April 1, 1980 and March 31, 2011 and who received services from one of the programs in the study or were registered in the Alberta Health Care Insurance Plan between April 1, 2005 and March 31, 2011. The youngest study participants were those born in the last study year. The oldest study participants were 25 years old at the end of the first study year and consequently 30 years old at the end of the last study year.
- **Tables** are shown by fiscal year (or educational study year, as applicable).

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## **Notes**

## **Notes**

## **Notes**

# The Child and Youth Data Laboratory

The Child and Youth Data Laboratory’s (CYDL’s) Longitudinal Project (*Experiences of Albertan Children and Youth over Time, 2005/06 to 2010/11*) is a joint initiative between PolicyWise for Children & Families and participating ministries in the Government of Alberta. The mandate of the CYDL is to link and analyse administrative data from Government ministries, to provide evidence for policy and program development.

The CYDL is managed by **PolicyWise for Children & Families**. PolicyWise is a not-for-profit organization whose mission is to develop and integrate evidence to inform, identify and promote effective public policy and service delivery to improve the well-being of children, families and communities in Alberta, Canada and internationally.

## This project

The **CYDL Longitudinal Project**, focuses on understanding the experiences of Albertan children and youth as they develop. The focus is service use within and across ministries, as it is related to key indicators and to the passage of time. Studying experiences over several years of development adds a valuable level of richness to an already ground-breaking initiative, providing detailed insight into the factors that help to shape our children and youth as they develop.

## Our partners

This project was carried out on behalf of six ministries of the Government of Alberta. Each ministry collaborated extensively with the CYDL on this project, and their dedication to the project is gratefully acknowledged:

- Advanced Education  
Community and Social Services
- Education  
Indigenous Relations
- Health
- Children’s Services  
Justice and Solicitor General

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*This study is based in part on data provided by the Government of Alberta. The interpretation and conclusions contained herein are those of the researchers and do not necessarily represent the views of the Government of Alberta. The Government of Alberta does not express any opinion in relation to this study.*

