

A profile of young Albertans

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 used services in Alberta or were in the health care registry in 2005/06 to 2010/11.

Ministries involved were Advanced Education, Children's Services, Community and Social Services Education, Health, and Justice and Solicitor General.

The key indicators profiled in this report are age, gender, region of residence, socio-economic status, residential mobility, high cost health service use, mental health service use, educational achievement, and high school completion.

Key indicators are crossed by gender and age group for the entire study population to provide a baseline against which to compare specific subpopulations in other Longitudinal Project reports.

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Key findings

The patterns observed in this profile provide context for interpreting results for specific populations described in other reports.

There were very few differences by gender or age group across key indicators as expected based on the nature of these variables. Some important patterns to consider are:

- Socio-economic status increased slightly over the study period.
- Residential mobility decreased after 2009 likely due to reduced access to address changes.
- Females moved slightly more often than males.
- A higher percentage of females than males were performing at or above educational expectations.
- School-aged children and youth moved less often compared to younger children or older youth.
- A higher percentage of older students were below educational expectations compared to younger students; likely partially due to different criteria for determining performance.

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 context

Providing a context for the current report, this section highlights how each “key indicator” variable was defined. See Definitions and Notes for more detailed information about these indicators (p. 28-29).

Age, gender, and postal code (translated into Statistics Canada dissemination areas) were provided for each individual by each participating program.

Dissemination areas from the 2006 Statistics Canada Census were used to determine region.

CS/CSS service delivery regions



Health zones



Post-secondary regions



Socio-economic status (SES) captures the social and material environments in which individuals lived. An individual was assigned a socio-economic status via an index based on the Statistics Canada dissemination area in which he or she resided¹.

Residential mobility was defined as the number of unique postal codes within the Alberta Health Care Insurance Plan registry during the study period.

High cost health users were those in the top 5% of estimated costs for their age groups and genders.

Mental health service was defined by the presence or absence of mental health diagnosis codes. The categorization of mental health conditions was defined by groupings in an Alberta research paper² in addition to consultation with clinical experts.

Educational achievement was computed by Alberta Education. High School completion is based on being a credentialed completer or non-credentialed completer during the study period.

Footnotes

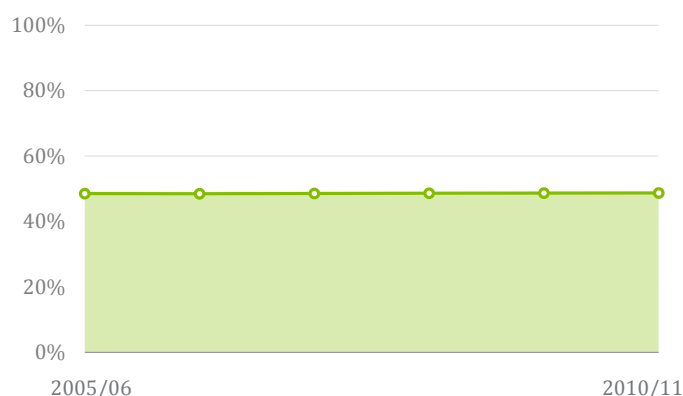
Ninety-five percent confidence intervals were calculated to enable comparison of statistical differences between groups. The Cochran-Armitage trend test was used to test trends over time. Only effects that apply to a meaningful proportion of the population were noted in the text. See <https://visualization.policywise.com/P2dashboard/YoungAlbertansStat.xlsx>

Gender (Table 1; p. 11)

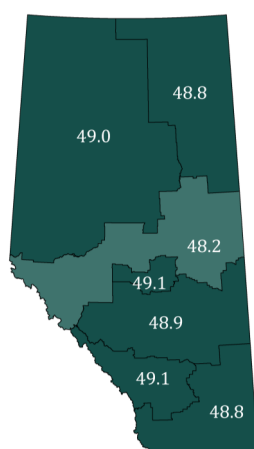
This and the following analyses consider young Albertans (aged 0 to 25 unless otherwise specified) who were in the Health care registry or who received services from any program in the study. See *Definitions and Notes* for more information about the population being profiled (p. 29).

- As expected, about half (48 to 49%) of young Albertans in our study population were female (654,641-707,474 females per year compared to 694,311-745,083 males per study year).

Percentage of Albertans in the study population who were FEMALE over time



Percentage of Albertans aged 0 to 25 in 2010/11 who were FEMALE, by CS/CSS service delivery regions



CS/CSS service delivery regions by gender (Table 2; p. 12)

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. 28).

Rates are shown for 2010/11 (see Table 2 for other study years).

- As expected, gender did not differ by region.

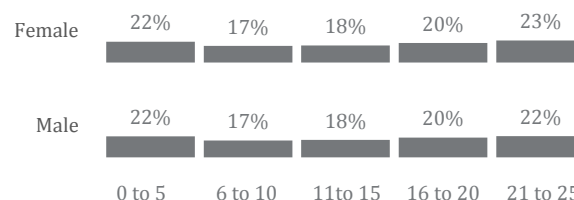
Age group by gender (Table 3; p. 13)

Age shown is for 2010/11 (see Table 3 for age distribution in each study year).

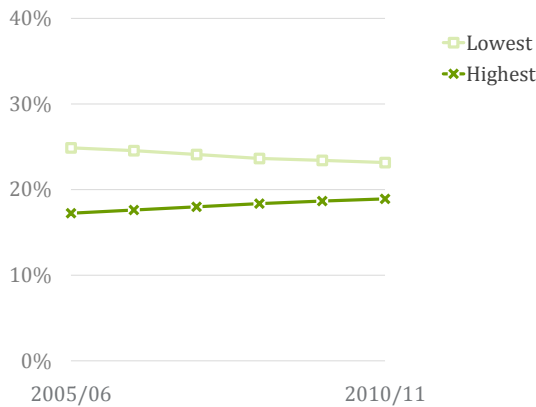
All age groups contain five years of age with the exception of the 0 to 5 age group.

- There were only minor differences between the proportion of males and females across select age groups.

Percentage of Albertans in the study population, by age group in 2010/11 and gender



Percentage of Albertans aged 0 to 25 in the study population who lived in the lowest or highest SES areas over time



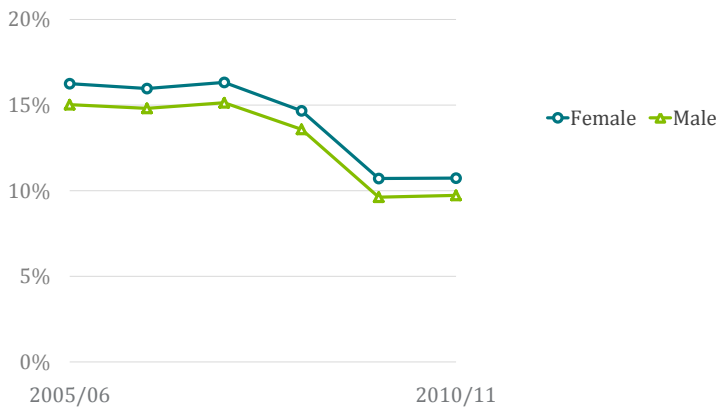
Socio-economic status by gender (Table 4; p. 14)

Socio-economic status (SES) captures the social and material environments in which individuals lived. See *Definitions and Notes* for further clarification (p. 29).

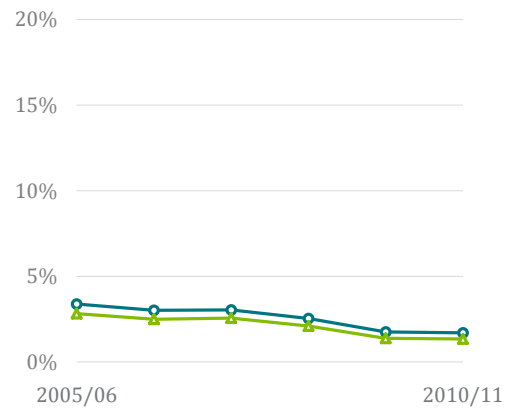
- There was no effect of gender (not shown in graph, see Table 4).
- Over time, there was a lower percentage of individuals living in the lowest SES neighbourhoods and a higher percentage living in the highest SES neighbourhoods.
- The SES index was based on the 2006 census for all study years.

Residential mobility by gender (Table 5; p. 15)

Percentage of Albertans aged 0 to 25 who moved ONE TIME in a study year, by gender over time



Percentage of Albertans aged 0 to 25 who moved TWO or MORE times in a study year, by gender over time



Residential mobility was determined using the number of unique postal codes in the Alberta Health registry. Residential mobility is shown for one move or two or more moves (see Table 5 for no moves).

The health premium fee was cancelled in January of 2009. This led to a decreased ability to capture moves.

- Females moved slightly more often. In any given study year, approximately 1 to 2% more females than males had one or more moves in each study year. This could be due to a higher number of moves and/or a gender difference in reporting address changes.

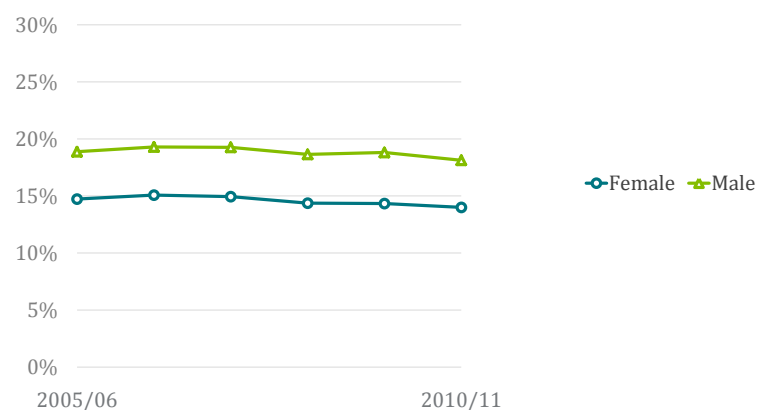
High cost health service use, and mental health service use, by gender (Tables 6 and 7; p. 16-17)

No graphs are shown for these three indicators, see tables for breakdown by gender.

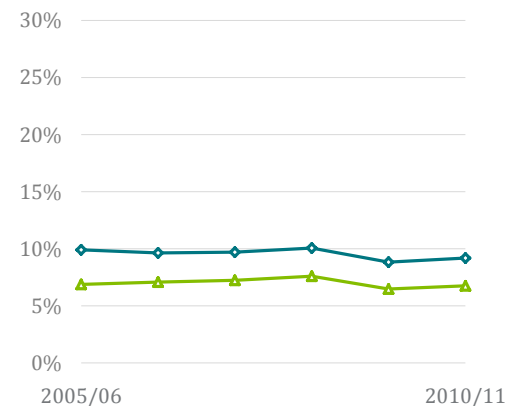
- High cost health use is defined as the top 5% by age and gender so 5% of each gender are high cost health users (see Table 6).
- 5.2 to 5.4% of females and 5.5 to 5.7% of males received mental health services in any given study year (see Table 7).

Educational achievement by gender (Table 8; p. 18)

Percentage of Albertans in grades 3 to 12 who were BELOW educational expectations, by gender over time



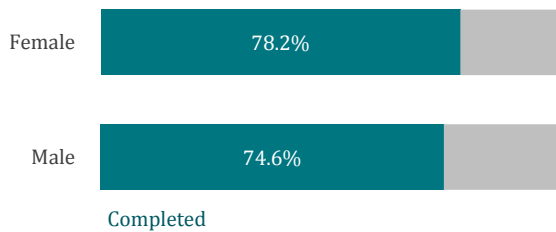
Percentage of Albertans in grades 3 to 12 who were ABOVE educational expectations, by gender over time



This analysis considers individuals in grades 3 to 12 who were registered in the Alberta education system. See *Definitions and Notes* (p. 28). The percentage of the population below or above expectations is shown in the graphs (See Table 8 for meeting expectations).

- 16 to 17% of the study population performed below educational expectations and 8 to 9% performed above expectations. The other 74 to 76% of the population were meeting educational expectations (not shown in graph, see Table 8).
- A higher percentage of females performed above expectations and a lower percentage performed below educational expectations in comparison to males. This was true across study years.

Percentage of Albertans in the study population who completed high school at any point in the study by gender



High school completion by gender (Table 9; p. 19)

High school completion includes individuals who graduated with or without credentials over the study period (see *Definitions and Notes*, p. 28). Individuals had to be registered in high school during the study period to be considered eligible for this analysis.

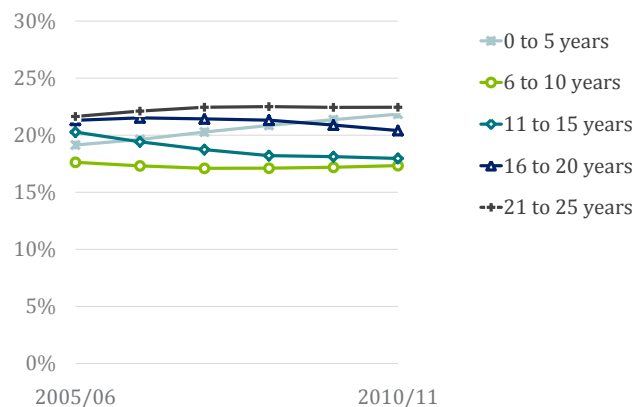
- Among those eligible, 78% of females and 75% of males in the study completed high school at some point across the six study years.

Age group (Table 10; p. 19)

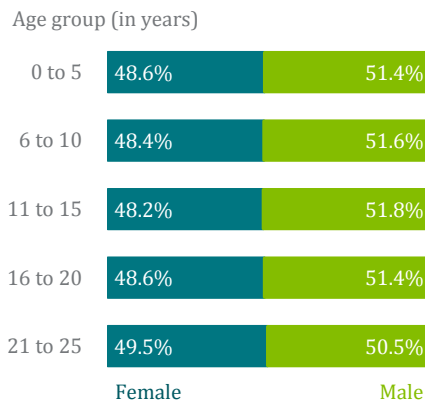
Age was grouped into 5-year categories with the exception of 0 to 5 years which included an extra year of age.

- In any given study year, 258,344-317,746 individuals were aged 0 to 5 years, 238,005-252,139 were 6 to 10 years old, 260,703-273,702 were 11 to 15 years old, 287,573-305,177 were 16 to 20 years old, and 292,210-326,523 were 21 to 25 years old.
- The percentage of the study population who were 0 to 5 years old increased across study years.

Percentage of Albertans in the study population by age group over time



Percentage of Albertans in the study population by age group in 2010/11 and gender



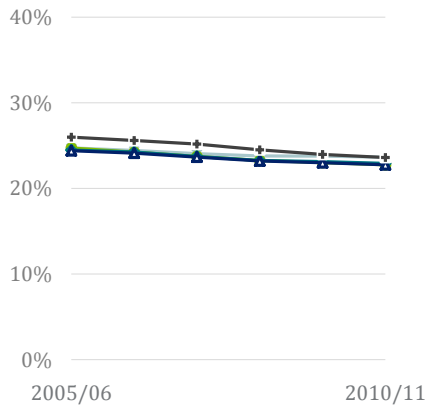
Gender by age group (Table 11; p. 20)

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

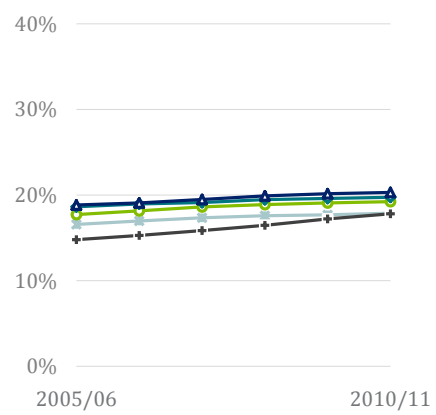
- There were more males than females in all age groups.
- Less than 2% differences were observed in the percent of individuals in a given age group that was male across the different age groups.

Socio-economic status by age group (Table 12 a,b; p. 21-22)

Percentage of Albertans aged 0 to 25 in the study population who lived in the LOWEST SES areas, by age group over time



Percentage of Albertans aged 0 to 25 in the study population who lived in the HIGHEST SES areas, by age group over time



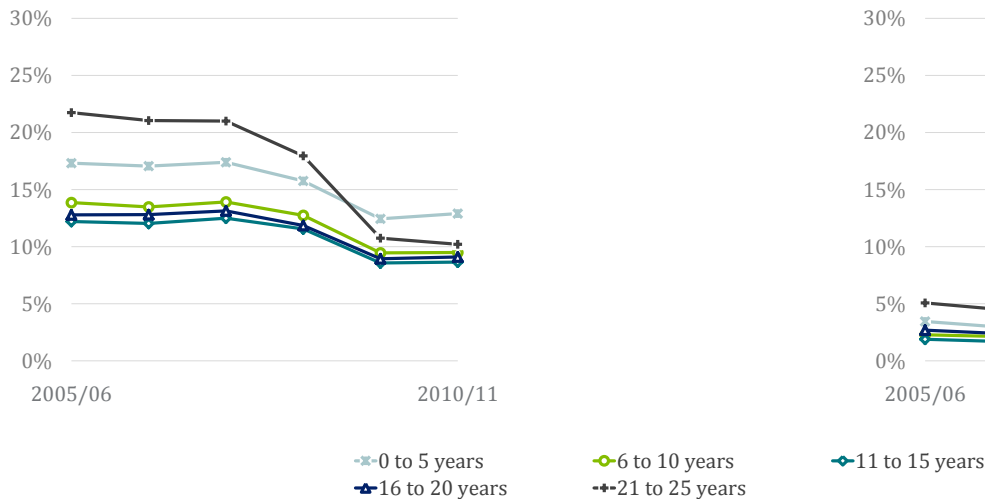
■ 0 to 5 years ● 6 to 10 years ◆ 11 to 15 years
▲ 16 to 20 years ✦ 21 to 25 years

Socio-economic status (SES) captures the social and material environments in which individuals live. See *Definitions and Notes* for further clarification (p. 29).

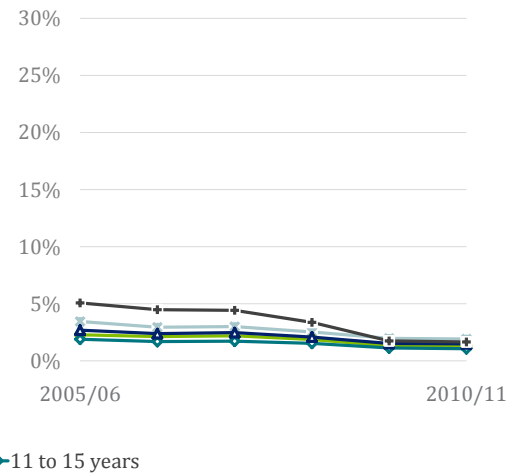
- As noted above, individuals generally live in higher SES areas across the study period .
- A slightly lower percentage of Albertans in the 21 to 25 year age group lived in the highest SES neighbourhoods though this effect lessened across the study years.

Residential mobility by age group (Table 13; p. 23)

Percentage of Albertans aged 0 to 25 who moved ONE time in a study year, by age group over time



Percentage of Albertans aged 0 to 25 who moved TWO or MORE times in a study year, by age group over time

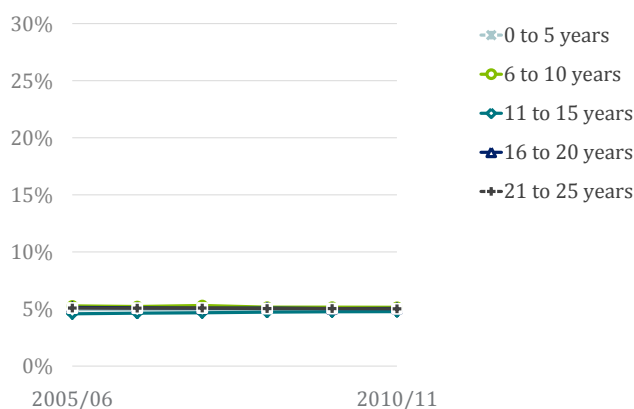


Residential mobility was determined using the number of unique postal codes in the Alberta Health registry. Residential mobility is shown for one move or two or more moves (see Table 13 for no moves).

As mentioned earlier, the health premium fee was cancelled in January of 2009. This led to a decreased ability to capture moves.

- School aged children and youth (6 to 10 years, 11 to 15 years, and 16 to 20 years old) were less likely to move compared to young children (0 to 5 years old) or young adults (21 to 25 years old).
- The largest drop in residential mobility over time was for young adults (21 to 25 years old).

Percentage of Albertans aged 0 to 25 in the study population who were high cost health service users, by age group over time



High cost health service use by age group (Table 14; p. 24)

For a definition of high cost health service users see *Definitions and Notes* (p. 28).

- The age groups used to define high cost health service users were: less than 1, 1 to 4, 5 to 9, 10 to 14, 15 to 19, 20 to 24, 25 to 29, and 30.
- Even though these age groups are slightly different from the high cost definition, approximately 5% of the age groups shown are high cost health service users.

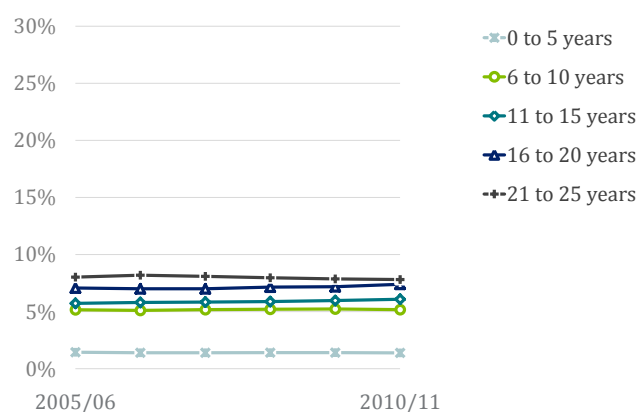
Mental health service use by age group

(Table 15; p. 25)

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). See *Definitions and Notes* (p. 29).

- Mental health service use varied by age group consistently across study years.
- As expected, younger Albertans were less likely to use mental health services compared to older children and youth. This was particularly true for 0 to 5 year olds whom it is difficult to diagnose with mental health conditions.

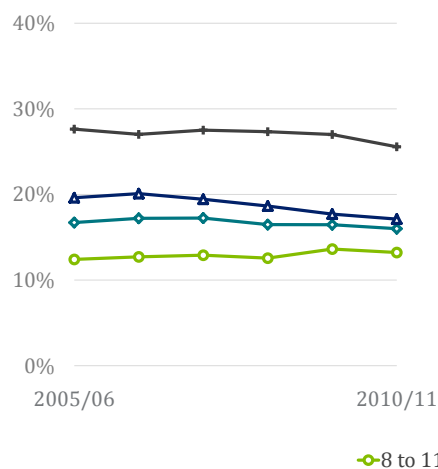
Percentage of Albertans aged 0 to 25 in the study population with a mental health service, by age group over time



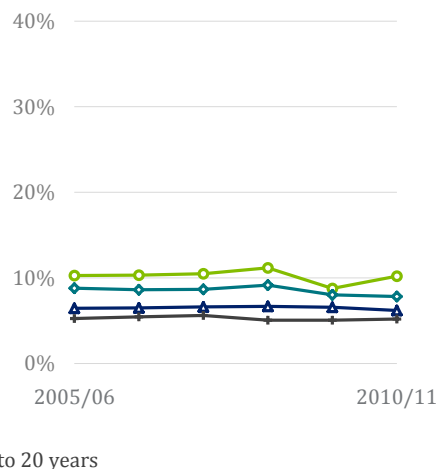
Educational achievement by age group

(Table 16; p. 26)

Percentage of Albertans in grades 3 to 12 who were BELOW educational expectations, by age group over time



Percentage of Albertans in grades 3 to 12 who were ABOVE educational expectations, by age group over time

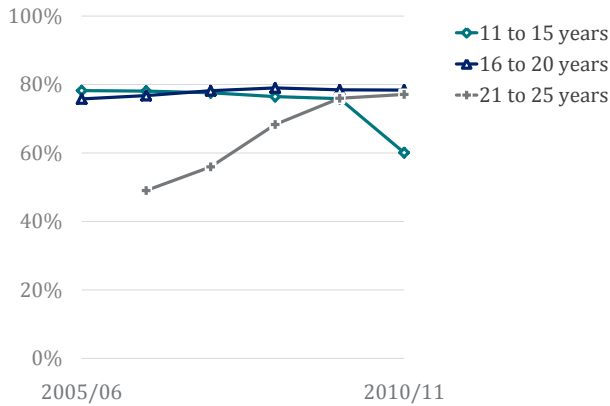


This analysis considers individuals in grades 3 to 12 who were registered in the Alberta education system. See *Definitions and Notes* (p. 28). The age groups in these graphs are adjusted to reflect education services. Note that any children below grade three are not included in this algorithm so children under age 8 are excluded.

- The percentage of students performing below or above educational expectations are shown in the graphs (see Table 16 for meeting expectations).
- There was an inverse relationship between age and educational performance where younger children were more likely to be performing above and less likely to be performing below expectations in comparison to older age groups.

This finding should be interpreted with caution as different criteria were used to determine the educational achievement of younger (grade 3 to 9) and older (grade 10 to 12) students. For example, unlike younger students, credits earned, course grades, and receipt of a scholarship were considered in the calculation of high school students' educational achievement.

Percentage of Albertans aged 11 to 25 who completed high school at some point in the study period, by age group over time



High school completion by age group (Table 17; p. 27)

High school completion includes individuals who graduated with or without credentials over the study period (see *Definitions and Notes*, p. 28).

- Youth aged 11 to 15 years in 2010/11 have less time to have completed high school at the end of the study so the proportion completed is lower.
 - Young adults aged 21 to 25 years would need to have been in high school in a previous study year to be eligible for this measure. Thus the proportion complete in this age group increases across study years.
-

Tables

TABLE 1: Number and percentage of young Albertans by gender and study year, young Albertans aged 0 to 25 years

Gender	Study year					
	2005/06	2006/07	2007/08	2008/09	2009/10	2010/11
Number of individuals						
Female	654,641	674,429	685,024	695,470	700,565	707,474
Male	694,311	716,289	725,941	734,525	738,100	745,083
Total population N	1,348,952	1,390,718	1,410,965	1,429,995	1,438,665	1,452,557
Percentage of individuals						
Female	48.53	48.50	48.55	48.63	48.70	48.71
Male	51.47	51.50	51.45	51.37	51.30	51.29
Total population %	100.00	100.00	100.00	100.00	100.00	100.00

Tables

TABLE 2: Number and percentage of young Albertans by gender, CS/CSS service delivery regions, and study year, young Albertans aged 0 to 25 years

Gender	CS/CSS service delivery regions	Study year					
		2005/06	2006/07	2007/08	2008/09	2009/10	2010/11
Number of individuals							
Female	Calgary	209,622	216,333	221,429	227,164	231,190	235,684
	Central	74,523	76,447	77,743	78,402	78,663	78,606
	Edmonton	184,129	189,801	191,992	196,145	199,426	202,815
	North Central	34,675	35,253	35,420	35,805	35,656	35,716
	Northeast	10,860	11,336	12,030	12,533	13,123	13,785
	Northwest	37,678	38,817	39,396	39,859	39,989	40,434
	South	49,244	50,240	51,119	51,703	52,592	53,143
	Total	600,731	618,227	629,129	641,611	650,639	660,183
Male	Calgary	217,657	224,640	230,086	235,453	239,173	244,211
	Central	78,481	80,436	81,129	81,638	81,960	82,230
	Edmonton	190,718	196,851	199,933	203,716	207,184	210,454
	North Central	37,402	37,783	38,100	38,187	38,265	38,447
	Northeast	11,755	12,294	12,838	13,377	13,941	14,474
	Northwest	40,201	41,587	41,822	41,840	41,915	42,130
	South	51,863	53,075	53,697	54,117	54,877	55,667
	Total	628,077	646,666	657,605	668,328	677,315	687,613
Total population	Calgary	427,279	440,973	451,515	462,617	470,363	479,895
	Central	153,004	156,883	158,872	160,040	160,623	160,836
	Edmonton	374,847	386,652	391,925	399,861	406,610	413,269
	North Central	72,077	73,036	73,520	73,992	73,921	74,163
	Northeast	22,615	23,630	24,868	25,910	27,064	28,259
	Northwest	77,879	80,404	81,218	81,699	81,904	82,564
	South	101,107	103,315	104,816	105,820	107,469	108,810
	Total	1,228,808	1,264,893	1,286,734	1,309,939	1,327,954	1,347,796
Percentage of individuals							
Female	Calgary	49.06	49.06	49.04	49.10	49.15	49.11
	Central	48.71	48.73	48.93	48.99	48.97	48.87
	Edmonton	49.12	49.09	48.99	49.05	49.05	49.08
	North Central	48.11	48.27	48.18	48.39	48.24	48.16
	Northeast	48.02	47.97	48.38	48.37	48.49	48.78
	Northwest	48.38	48.28	48.51	48.79	48.82	48.97
	South	48.70	48.63	48.77	48.86	48.94	48.84
	Male	Calgary	50.94	50.94	50.96	50.90	50.85
Central		51.29	51.27	51.07	51.01	51.03	51.13
Edmonton		50.88	50.91	51.01	50.95	50.95	50.92
North Central		51.89	51.73	51.82	51.61	51.76	51.84
Northeast		51.98	52.03	51.62	51.63	51.51	51.22
Northwest		51.62	51.72	51.49	51.21	51.18	51.03
South		51.30	51.37	51.23	51.14	51.06	51.16

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

Tables

TABLE 3: Number and percentage of young Albertans by gender, age group, and study year, young Albertans aged 0 to 25 years

Gender	Age group	Study year					
		2005/06	2006/07	2007/08	2008/09	2009/10	2010/11
Number of individuals							
Female	0 to 5	125,455	132,662	139,047	144,969	149,310	153,745
	6 to 10	114,732	116,229	116,865	118,325	119,707	121,874
	11 to 15	132,051	130,345	127,426	125,244	125,530	126,002
	16 to 20	139,118	145,026	146,400	148,445	146,158	144,112
	21 to 25	143,285	150,167	155,286	158,487	159,860	161,741
	Total	654,641	674,429	685,024	695,470	700,565	707,474
Male	0 to 5	132,149	139,563	146,410	152,490	157,174	162,448
	6 to 10	123,159	124,638	124,567	126,305	127,544	129,926
	11 to 15	141,651	140,043	137,156	135,441	135,395	135,277
	16 to 20	148,451	154,462	156,164	156,710	154,735	152,707
	21 to 25	148,901	157,583	161,644	163,579	163,252	164,725
	Total	694,311	716,289	725,941	734,525	738,100	745,083
Total study population	0 to 5	257,604	272,225	285,457	297,459	306,484	316,193
	6 to 10	237,891	240,867	241,432	244,630	247,251	251,800
	11 to 15	273,702	270,388	264,582	260,685	260,925	261,279
	16 to 20	287,569	299,488	302,564	305,155	300,893	296,819
	21 to 25	292,186	307,750	316,930	322,066	323,112	326,466
	Total	1,348,952	1,390,718	1,410,965	1,429,995	1,438,665	1,452,557
Percentage of individuals							
Female	0 to 5	19.16	19.67	20.30	20.84	21.31	21.73
	6 to 10	17.53	17.23	17.06	17.01	17.09	17.23
	11 to 15	20.17	19.33	18.60	18.01	17.92	17.81
	16 to 20	21.25	21.50	21.37	21.34	20.86	20.37
	21 to 25	21.89	22.27	22.67	22.79	22.82	22.86
	Total	100.00	100.00	100.00	100.00	100.00	100.00
Male	0 to 5	19.03	19.48	20.17	20.76	21.29	21.80
	6 to 10	17.74	17.40	17.16	17.20	17.28	17.44
	11 to 15	20.40	19.55	18.89	18.44	18.34	18.16
	16 to 20	21.38	21.56	21.51	21.33	20.96	20.50
	21 to 25	21.45	22.00	22.27	22.27	22.12	22.11
	Total	100.00	100.00	100.00	100.00	100.00	100.00
Total population	0 to 5	19.10	19.57	20.23	20.80	21.30	21.77
	6 to 10	17.64	17.32	17.11	17.11	17.19	17.33
	11 to 15	20.29	19.44	18.75	18.23	18.14	17.99
	16 to 20	21.32	21.53	21.44	21.34	20.91	20.43
	21 to 25	21.66	22.13	22.46	22.52	22.46	22.48
	Total	100.00	100.00	100.00	100.00	100.00	100.00

Tables

TABLE 4: Number and percentage of young Albertans by gender, socio-economic status, and study year, young Albertans aged 0 to 25 years

Gender	Socio-economic status	Study year					
		2005/06	2006/07	2007/08	2008/09	2009/10	2010/11
Number of individuals							
Female	Lowest	143,519	145,766	145,944	145,785	146,445	147,183
	Low middle	123,773	125,078	125,149	126,189	126,201	126,908
	Middle	110,129	113,715	116,550	119,059	120,940	122,981
	High middle	100,834	105,184	108,884	113,177	115,842	118,184
	Highest	99,077	104,337	108,483	112,780	116,440	119,952
	Total	577,332	594,080	605,010	616,990	625,868	635,208
Male	Lowest	150,181	152,666	152,310	151,992	152,616	153,123
	Low middle	129,041	131,132	131,039	131,498	131,721	132,334
	Middle	114,016	117,702	120,618	122,845	124,717	127,368
	High middle	105,293	110,008	114,062	117,554	120,345	123,323
	Highest	104,532	109,699	114,089	118,588	121,927	125,283
	Total	603,063	621,207	632,118	642,477	651,326	661,431
Total study population	Lowest	293,700	298,432	298,254	297,777	299,061	300,306
	Low middle	252,814	256,210	256,188	257,687	257,922	259,242
	Middle	224,145	231,417	237,168	241,904	245,657	250,349
	High middle	206,127	215,192	222,946	230,731	236,187	241,507
	Highest	203,609	214,036	222,572	231,368	238,367	245,235
	Total	1,180,395	1,215,287	1,237,128	1,259,467	1,277,194	1,296,639
Percentage of individuals							
Female	Lowest	24.86	24.54	24.12	23.63	23.40	23.17
	Low middle	21.44	21.05	20.69	20.45	20.16	19.98
	Middle	19.08	19.14	19.26	19.30	19.32	19.36
	High middle	17.47	17.71	18.00	18.34	18.51	18.61
	Highest	17.16	17.56	17.93	18.28	18.60	18.88
	Total	100.00	100.00	100.00	100.00	100.00	100.00
Male	Lowest	24.90	24.58	24.10	23.66	23.43	23.15
	Low middle	21.40	21.11	20.73	20.47	20.22	20.01
	Middle	18.91	18.95	19.08	19.12	19.15	19.26
	High middle	17.46	17.71	18.04	18.30	18.48	18.64
	Highest	17.33	17.66	18.05	18.46	18.72	18.94
	Total	100.00	100.00	100.00	100.00	100.00	100.00
Total study population	Lowest	24.88	24.56	24.11	23.64	23.42	23.16
	Low middle	21.42	21.08	20.71	20.46	20.19	19.99
	Middle	18.99	19.04	19.17	19.21	19.23	19.31
	High middle	17.46	17.71	18.02	18.32	18.49	18.63
	Highest	17.25	17.61	17.99	18.37	18.66	18.91
	Total	100.00	100.00	100.00	100.00	100.00	100.00

Tables

TABLE 5: Number and percentage of young Albertans by gender, residential mobility, and study year, young Albertans aged 0 to 25 years

Gender	Residential mobility	Study year					
		2005/06	2006/07	2007/08	2008/09	2009/10	2010/11
Number of individuals							
Female	No moves	441,877	453,281	463,094	486,599	527,693	535,666
	One Move	89,362	89,348	93,776	86,205	64,611	65,672
	Two or more moves	18,611	16,893	17,479	14,901	10,597	10,410
	Total	549,850	559,522	574,349	587,705	602,901	611,748
Male	No moves	469,972	480,843	490,586	514,978	558,439	566,743
	One Move	85,980	86,112	90,262	82,991	60,408	62,019
	Two or more moves	16,132	14,506	15,289	12,810	8,671	8,539
	Total	572,084	581,461	596,137	610,779	627,518	637,301
Total study population	No moves	911,849	934,124	953,680	1,001,577	1,086,132	1,102,409
	One Move	175,342	175,460	184,038	169,196	125,019	127,691
	Two or more moves	34,743	31,399	32,768	27,711	19,268	18,949
	Total	1,121,934	1,140,983	1,170,486	1,198,484	1,230,419	1,249,049
Percentage of individuals							
Female	No moves	80.36	81.01	80.63	82.80	87.53	87.56
	One Move	16.25	15.97	16.33	14.67	10.72	10.74
	Two or more moves	3.38	3.02	3.04	2.54	1.76	1.70
	Total	100.00	100.00	100.00	100.00	100.00	100.00
Male	No moves	82.15	82.70	82.29	84.31	88.99	88.93
	One Move	15.03	14.81	15.14	13.59	9.63	9.73
	Two or more moves	2.82	2.49	2.56	2.10	1.38	1.34
	Total	100.00	100.00	100.00	100.00	100.00	100.00
Total study population	No moves	81.27	81.87	81.48	83.57	88.27	88.26
	One Move	15.63	15.38	15.72	14.12	10.16	10.22
	Two or more moves	3.10	2.75	2.80	2.31	1.57	1.52
	Total	100.00	100.00	100.00	100.00	100.00	100.00

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TABLE 6: Number and percentage of young Albertans by gender, high cost health service use, and study year, young Albertans aged 0 to 25 years

Gender	High cost health use	Study year					
		2005/06	2006/07	2007/08	2008/09	2009/10	2010/11
Number of individuals							
Female	High cost	27,496	27,915	28,675	29,263	29,952	30,334
	Not high cost	522,354	531,608	545,675	558,443	572,951	581,418
	Total	549,850	559,523	574,350	587,706	602,903	611,752
Male	High cost	28,610	29,086	29,824	30,513	31,377	31,903
	Not high cost	543,477	552,379	566,317	580,270	596,144	605,402
	Total	572,087	581,465	596,141	610,783	627,521	637,305
Total study population	High cost	56,106	57,001	58,499	59,776	61,329	62,237
	Not high cost	1,065,831	1,083,987	1,111,992	1,138,713	1,169,095	1,186,820
	Total	1,121,937	1,140,988	1,170,491	1,198,489	1,230,424	1,249,057
Percentage of individuals							
Female	High cost	5.00	4.99	4.99	4.98	4.97	4.96
	Not high cost	95.00	95.01	95.01	95.02	95.03	95.04
	Total	100.00	100.00	100.00	100.00	100.00	100.00
Male	High cost	5.00	5.00	5.00	5.00	5.00	5.01
	Not high cost	95.00	95.00	95.00	95.00	95.00	94.99
	Total	100.00	100.00	100.00	100.00	100.00	100.00
Total study population	High cost	5.00	5.00	5.00	4.99	4.98	4.98
	Not high cost	95.00	95.00	95.00	95.01	95.02	95.02
	Total	100.00	100.00	100.00	100.00	100.00	100.00

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

Gender	Mental health service use	Study year					
		2005/06	2006/07	2007/08	2008/09	2009/10	2010/11
Number of individuals							
Female	Mental health service	29,424	30,028	30,477	30,783	31,246	31,582
	No mental health service	520,714	529,813	544,153	557,181	571,896	580,393
	Total	550,138	559,841	574,630	587,964	603,142	611,975
Male	Mental health service	31,825	32,259	33,094	34,340	35,425	36,271
	No mental health service	540,755	549,758	563,553	576,913	592,518	601,459
	Total	572,580	582,017	596,647	611,253	627,943	637,730
Total study population	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	1,122,718	1,141,858	1,171,277	1,199,217	1,231,085	1,249,705
Percentage of individuals							
Female	Mental health service	5.35	5.36	5.30	5.24	5.18	5.16
	No mental health service	94.65	94.64	94.70	94.76	94.82	94.84
	Total	100.00	100.00	100.00	100.00	100.00	100.00
Male	Mental health service	5.56	5.54	5.55	5.62	5.64	5.69
	No mental health service	94.44	94.46	94.45	94.38	94.36	94.31
	Total	100.00	100.00	100.00	100.00	100.00	100.00
Total study population	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

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TABLE 8: Number and percentage of young Albertans by gender, educational achievement, and study year, young Albertans in grades 3 to 12

Gender	Educational achievement	Study year					
		2005/06	2006/07	2007/08	2008/09	2009/10	2010/11
Number of individuals							
Female	Below expectations	31,457	32,438	32,048	30,737	30,742	30,068
	Meeting expectations	160,908	162,029	161,594	161,586	164,697	164,966
	Above expectations	21,163	20,739	20,813	21,530	18,917	19,734
	Total	213,528	215,206	214,455	213,853	214,356	214,768
Male	Below expectations	42,101	43,387	43,168	41,668	42,316	40,767
	Meeting expectations	165,513	165,587	164,791	164,870	168,090	168,998
	Above expectations	15,326	15,937	16,236	16,977	14,570	15,184
	Total	222,940	224,911	224,195	223,515	224,976	224,949
Total study population	Below expectations	73,558	75,825	75,216	72,405	73,058	70,835
	Meeting expectations	326,421	327,616	326,385	326,456	332,787	333,964
	Above expectations	36,489	36,676	37,049	38,507	33,487	34,918
	Total	436,468	440,117	438,650	437,368	439,332	439,717
Percentage of individuals							
Female	Below expectations	14.73	15.07	14.94	14.37	14.34	14.00
	Meeting expectations	75.36	75.29	75.35	75.56	76.83	76.81
	Above expectations	9.91	9.64	9.71	10.07	8.83	9.19
	Total	100.00	100.00	100.00	100.00	100.00	100.00
Male	Below expectations	18.88	19.29	19.25	18.64	18.81	18.12
	Meeting expectations	74.24	73.62	73.50	73.76	74.71	75.13
	Above expectations	6.87	7.09	7.24	7.60	6.48	6.75
	Total	100.00	100.00	100.00	100.00	100.00	100.00
Total study population	Below expectations	16.85	17.23	17.15	16.55	16.63	16.11
	Meeting expectations	74.79	74.44	74.41	74.64	75.75	75.95
	Above expectations	8.36	8.33	8.45	8.80	7.62	7.94
	Total	100.00	100.00	100.00	100.00	100.00	100.00

Tables

TABLE 9: Number and percentage of young Albertans by gender and high school completion at any point across the study years, young Albertans who were in high school at some point in the study

Age group	High school completion	
Number of individuals	All years	
Female	Completed	125,849
	Not completed	35,179
	Total	161,028
Male	Completed	124,464
	Not completed	42,480
	Total	166,944
Total	Completed	250,313
	Not completed	77,659
	Total	327,972
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Percentage of individuals	All years	
Female	Completed	78.15
	Not completed	21.85
	Total	100.00
Male	Completed	74.55
	Not completed	25.45
	Total	100.00
Total	Completed	76.32
	Not completed	23.68
	Total	100.00

TABLE 10: Number and percentage of young Albertans by age group and study year, young Albertans aged 0 to 25 years

Age group	Study year					
Number of individuals	2005/06	2006/07	2007/08	2008/09	2009/10	2010/11
0 to 5 years	258,344	273,158	286,373	298,538	307,662	317,746
6 to 10 years	238,005	240,994	241,544	244,905	247,587	252,139
11 to 15 years	273,702	270,388	264,583	260,703	260,969	261,325
16 to 20 years	287,573	299,490	302,584	305,177	300,921	296,864
21 to 25 years	292,210	307,768	316,968	322,122	323,189	326,523
Total population N	1,349,834	1,391,798	1,412,052	1,431,445	1,440,328	1,454,597
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Percentage of individuals	2005/06	2006/07	2007/08	2008/09	2009/10	2010/11
0 to 5 years	19.14	19.63	20.28	20.86	21.36	21.84
6 to 10 years	17.63	17.32	17.11	17.11	17.19	17.33
11 to 15 years	20.28	19.43	18.74	18.21	18.12	17.97
16 to 20 years	21.30	21.52	21.43	21.32	20.89	20.41
21 to 25 years	21.65	22.11	22.45	22.50	22.44	22.45
Total population %	100.00	100.00	100.00	100.00	100.00	100.00

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TABLE 11: Number and percentage of young Albertans by age group, gender, and study year, young Albertans aged 0 to 25 years

Age group	Gender	Study year					
		2005/06	2006/07	2007/08	2008/09	2009/10	2010/11
Number of individuals							
0 to 5 years	Female	125,455	132,662	139,047	144,969	149,310	153,745
	Male	132,149	139,563	146,410	152,490	157,174	162,448
	Total	257,604	272,225	285,457	297,459	306,484	316,193
6 to 10 years	Female	114,732	116,229	116,865	118,325	119,707	121,874
	Male	123,159	124,638	124,567	126,305	127,544	129,926
	Total	237,891	240,867	241,432	244,630	247,251	251,800
11 to 15 years	Female	132,051	130,345	127,426	125,244	125,530	126,002
	Male	141,651	140,043	137,156	135,441	135,395	135,277
	Total	273,702	270,388	264,582	260,685	260,925	261,279
16 to 20 years	Female	139,118	145,026	146,400	148,445	146,158	144,112
	Male	148,451	154,462	156,164	156,710	154,735	152,707
	Total	287,569	299,488	302,564	305,155	300,893	296,819
21 to 25 years	Female	143,285	150,167	155,286	158,487	159,860	161,741
	Male	148,901	157,583	161,644	163,579	163,252	164,725
	Total	292,186	307,750	316,930	322,066	323,112	326,466
Percentage of individuals							
0 to 5 years	Female	48.70	48.73	48.71	48.74	48.72	48.62
	Male	51.30	51.27	51.29	51.26	51.28	51.38
	Total	100.00	100.00	100.00	100.00	100.00	100.00
6 to 10 years	Female	48.23	48.25	48.40	48.37	48.42	48.40
	Male	51.77	51.75	51.60	51.63	51.58	51.60
	Total	100.00	100.00	100.00	100.00	100.00	100.00
11 to 15 years	Female	48.25	48.21	48.16	48.04	48.11	48.23
	Male	51.75	51.79	51.84	51.96	51.89	51.77
	Total	100.00	100.00	100.00	100.00	100.00	100.00
16 to 20 years	Female	48.38	48.42	48.39	48.65	48.57	48.55
	Male	51.62	51.58	51.61	51.35	51.43	51.45
	Total	100.00	100.00	100.00	100.00	100.00	100.00
21 to 25 years	Female	49.04	48.80	49.00	49.21	49.48	49.54
	Male	50.96	51.20	51.00	50.79	50.52	50.46
	Total	100.00	100.00	100.00	100.00	100.00	100.00

Tables

TABLE 12a: Number of young Albertans by age group, socio-economic status, and study year, young Albertans aged 0 to 25 years

Age group	Socio-economic status	Study year					
		2005/06	2006/07	2007/08	2008/09	2009/10	2010/11
Number of individuals							
0 to 5 years	Lowest	59,725	62,386	64,491	66,501	68,763	71,124
	Low middle	51,338	52,989	54,590	56,227	57,303	59,399
	Middle	45,500	48,427	51,471	54,191	56,580	59,314
	High middle	44,964	48,170	50,975	53,461	55,386	57,239
	Highest	40,033	43,353	46,496	49,180	51,171	53,804
	Total	241,560	255,325	268,023	279,560	289,203	300,880
6 to 10 years	Lowest	51,096	50,563	49,785	49,519	49,739	50,378
	Low middle	43,585	43,452	42,912	42,955	42,950	43,676
	Middle	37,758	38,101	38,776	39,429	40,394	41,579
	High middle	37,609	38,592	39,252	40,697	41,697	43,177
	Highest	36,626	37,849	39,064	40,170	41,224	42,579
	Total	206,674	208,557	209,789	212,770	216,004	221,389
11 to 15 years	Lowest	55,322	55,111	53,707	52,472	52,224	51,877
	Low middle	47,685	46,996	46,422	45,578	45,158	44,867
	Middle	40,533	40,864	41,013	41,037	41,280	41,817
	High middle	40,411	41,171	41,880	42,491	42,798	43,079
	Highest	42,127	43,098	43,283	43,912	44,266	44,663
	Total	226,078	227,240	226,305	225,490	225,726	226,303
16 to 20 years	Lowest	59,930	60,680	59,894	59,620	59,554	58,743
	Low middle	51,890	52,585	52,129	52,329	52,184	51,482
	Middle	44,915	46,163	46,544	47,264	47,501	47,576
	High middle	42,624	44,080	45,343	46,604	47,493	47,926
	Highest	46,260	48,006	49,325	51,161	52,195	52,410
	Total	245,619	251,514	253,235	256,978	258,927	258,137
21 to 25 years	Lowest	67,759	69,892	70,543	69,878	69,027	68,911
	Low middle	58,402	60,271	60,238	60,715	60,470	60,214
	Middle	55,499	57,938	59,454	60,079	60,022	60,430
	High middle	40,545	43,224	45,527	47,532	48,878	50,286
	Highest	38,585	41,753	44,422	46,968	49,549	51,952
	Total	260,790	273,078	280,184	285,172	287,946	291,793

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TABLE 12b: Percentage of young Albertans by age group, socio-economic status, and study year, young Albertans aged 0 to 25 years

Age group	Socio-economic status	Study year					
		2005/06	2006/07	2007/08	2008/09	2009/10	2010/11
Percentage of individuals							
0 to 5 years	Lowest	24.72	24.43	24.06	23.79	23.78	23.64
	Low middle	21.25	20.75	20.37	20.11	19.81	19.74
	Middle	18.84	18.97	19.20	19.38	19.56	19.71
	High middle	18.61	18.87	19.02	19.12	19.15	19.02
	Highest	16.57	16.98	17.35	17.59	17.69	17.88
	Total	100.00	100.00	100.00	100.00	100.00	100.00
6 to 10 years	Lowest	24.72	24.24	23.73	23.27	23.03	22.76
	Low middle	21.09	20.83	20.45	20.19	19.88	19.73
	Middle	18.27	18.27	18.48	18.53	18.70	18.78
	High middle	18.20	18.50	18.71	19.13	19.30	19.50
	Highest	17.72	18.15	18.62	18.88	19.08	19.23
	Total	100.00	100.00	100.00	100.00	100.00	100.00
11 to 15 years	Lowest	24.47	24.25	23.73	23.27	23.14	22.92
	Low middle	21.09	20.68	20.51	20.21	20.01	19.83
	Middle	17.93	17.98	18.12	18.20	18.29	18.48
	High middle	17.87	18.12	18.51	18.84	18.96	19.04
	Highest	18.63	18.97	19.13	19.47	19.61	19.74
	Total	100.00	100.00	100.00	100.00	100.00	100.00
16 to 20 years	Lowest	24.40	24.13	23.65	23.20	23.00	22.76
	Low middle	21.13	20.91	20.59	20.36	20.15	19.94
	Middle	18.29	18.35	18.38	18.39	18.35	18.43
	High middle	17.35	17.53	17.91	18.14	18.34	18.57
	Highest	18.83	19.09	19.48	19.91	20.16	20.30
	Total	100.00	100.00	100.00	100.00	100.00	100.00
21 to 25 years	Lowest	25.98	25.59	25.18	24.50	23.97	23.62
	Low middle	22.39	22.07	21.50	21.29	21.00	20.64
	Middle	21.28	21.22	21.22	21.07	20.84	20.71
	High middle	15.55	15.83	16.25	16.67	16.97	17.23
	Highest	14.80	15.29	15.85	16.47	17.21	17.80
	Total	100.00	100.00	100.00	100.00	100.00	100.00

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TABLE 13: Number and percentage of young Albertans by age group, residential mobility, and study year, young Albertans aged 0 to 25 years

Age group	Residential mobility	Study year					
		2005/06	2006/07	2007/08	2008/09	2009/10	2010/11
Number of individuals							
0 to 5 years	No moves	187,847	198,128	208,078	223,833	245,504	252,393
	One Move	41,065	42,262	45,463	43,179	35,691	38,215
	Two or more moves	8,167	7,301	7,851	6,920	5,655	5,686
	Total	237,079	247,691	261,392	273,932	286,850	296,294
6 to 10 years	No moves	170,423	171,168	172,335	178,475	191,782	195,701
	One Move	28,175	27,354	28,611	26,625	20,336	20,825
	Two or more moves	4,642	4,305	4,502	3,899	2,846	2,849
	Total	203,240	202,827	205,448	208,999	214,964	219,375
11 to 15 years	No moves	192,282	192,725	192,021	194,379	204,085	204,043
	One Move	27,324	26,893	27,963	25,837	19,389	19,542
	Two or more moves	4,231	3,772	3,848	3,419	2,545	2,408
	Total	223,837	223,390	223,832	223,635	226,019	225,993
16 to 20 years	No moves	196,019	199,220	201,639	208,638	219,134	218,501
	One Move	29,670	30,084	31,385	28,742	21,887	22,245
	Two or more moves	6,229	5,614	5,910	5,049	3,711	3,644
	Total	231,918	234,918	238,934	242,429	244,732	244,390
21 to 25 years	No moves	165,278	172,883	179,607	196,252	225,627	231,771
	One Move	49,108	48,867	50,616	44,813	27,716	26,864
	Two or more moves	11,474	10,407	10,657	8,424	4,511	4,362
	Total	225,860	232,157	240,880	249,489	257,854	262,997
Percentage of individuals							
0 to 5 years	No moves	79.23	79.99	79.60	81.71	85.59	85.18
	One Move	17.32	17.06	17.39	15.76	12.44	12.90
	Two or more moves	3.44	2.95	3.00	2.53	1.97	1.92
	Total	100.00	100.00	100.00	100.00	100.00	100.00
6 to 10 years	No moves	83.85	84.39	83.88	85.40	89.22	89.21
	One Move	13.86	13.49	13.93	12.74	9.46	9.49
	Two or more moves	2.28	2.12	2.19	1.87	1.32	1.30
	Total	100.00	100.00	100.00	100.00	100.00	100.00
11 to 15 years	No moves	85.90	86.27	85.79	86.92	90.30	90.29
	One Move	12.21	12.04	12.49	11.55	8.58	8.65
	Two or more moves	1.89	1.69	1.72	1.53	1.13	1.07
	Total	100.00	100.00	100.00	100.00	100.00	100.00
16 to 20 years	No moves	84.52	84.80	84.39	86.06	89.54	89.41
	One Move	12.79	12.81	13.14	11.86	8.94	9.10
	Two or more moves	2.69	2.39	2.47	2.08	1.52	1.49
	Total	100.00	100.00	100.00	100.00	100.00	100.00
21 to 25 years	No moves	73.18	74.47	74.56	78.66	87.50	88.13
	One Move	21.74	21.05	21.01	17.96	10.75	10.21
	Two or more moves	5.08	4.48	4.42	3.38	1.75	1.66
	Total	100.00	100.00	100.00	100.00	100.00	100.00

Tables

TABLE 14: Number and percentage of young Albertans by age group, high cost health service use, and study year, young Albertans aged 0 to 25 years

Age group	High cost health use	Study year					
		2005/06	2006/07	2007/08	2008/09	2009/10	2010/11
Number of individuals							
0 to 5 years	High cost	11,718	12,286	12,777	13,532	14,183	14,650
	Not high cost	225,364	235,410	248,620	260,405	272,671	281,649
	Total	237,082	247,696	261,397	273,937	286,854	296,299
6 to 10 years	High cost	10,728	10,588	10,905	10,785	11,098	11,293
	Not high cost	192,512	192,239	194,543	198,214	203,866	208,084
	Total	203,240	202,827	205,448	208,999	214,964	219,377
11 to 15 years	High cost	10,259	10,361	10,446	10,571	10,747	10,775
	Not high cost	213,578	213,029	213,386	213,064	215,272	215,218
	Total	223,837	223,390	223,832	223,635	226,019	225,993
16 to 20 years	High cost	11,929	11,997	12,124	12,331	12,321	12,333
	Not high cost	219,989	222,921	226,810	230,098	232,411	232,057
	Total	231,918	234,918	238,934	242,429	244,732	244,390
21 to 25 years	High cost	11,472	11,769	12,247	12,557	12,980	13,186
	Not high cost	214,388	220,388	228,633	236,932	244,875	249,812
	Total	225,860	232,157	240,880	249,489	257,855	262,998
Percentage of individuals							
0 to 5 years	High cost	4.94	4.96	4.89	4.94	4.94	4.94
	Not high cost	95.06	95.04	95.11	95.06	95.06	95.06
	Total	100.00	100.00	100.00	100.00	100.00	100.00
6 to 10 years	High cost	5.28	5.22	5.31	5.16	5.16	5.15
	Not high cost	94.72	94.78	94.69	94.84	94.84	94.85
	Total	100.00	100.00	100.00	100.00	100.00	100.00
11 to 15 years	High cost	4.58	4.64	4.67	4.73	4.75	4.77
	Not high cost	95.42	95.36	95.33	95.27	95.25	95.23
	Total	100.00	100.00	100.00	100.00	100.00	100.00
16 to 20 years	High cost	5.14	5.11	5.07	5.09	5.03	5.05
	Not high cost	94.86	94.89	94.93	94.91	94.97	94.95
	Total	100.00	100.00	100.00	100.00	100.00	100.00
21 to 25 years	High cost	5.08	5.07	5.08	5.03	5.03	5.01
	Not high cost	94.92	94.93	94.92	94.97	94.97	94.99
	Total	100.00	100.00	100.00	100.00	100.00	100.00

Tables

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

Age group	Mental health service use	Study year					
		2005/06	2006/07	2007/08	2008/09	2009/10	2010/11
Number of individuals							
0 to 5 years	Mental health service	3,417	3,468	3,640	3,856	4,042	4,113
	No mental health service	233,825	244,413	257,889	270,197	282,909	292,293
	Total	237,242	247,881	261,529	274,053	286,951	296,406
6 to 10 years	Mental health service	10,491	10,373	10,634	10,890	11,257	11,364
	No mental health service	192,950	192,655	195,003	198,289	203,838	208,136
	Total	203,441	203,028	205,637	209,179	215,095	219,500
11 to 15 years	Mental health service	12,809	12,981	13,079	13,165	13,501	13,741
	No mental health service	211,222	210,632	210,946	210,624	212,651	212,387
	Total	224,031	223,613	224,025	223,789	226,152	226,128
16 to 20 years	Mental health service	16,401	16,455	16,724	17,341	17,587	18,077
	No mental health service	215,638	218,599	222,347	225,230	227,288	226,437
	Total	232,039	235,054	239,071	242,571	244,875	244,514
21 to 25 years	Mental health service	18,131	19,010	19,494	19,871	20,284	20,558
	No mental health service	207,834	213,272	221,521	229,754	237,728	242,599
	Total	225,965	232,282	241,015	249,625	258,012	263,157
Percentage of individuals							
0 to 5 years	Mental health service	1.44	1.40	1.39	1.41	1.41	1.39
	No mental health service	98.56	98.60	98.61	98.59	98.59	98.61
	Total	100.00	100.00	100.00	100.00	100.00	100.00
6 to 10 years	Mental health service	5.16	5.11	5.17	5.21	5.23	5.18
	No mental health service	94.84	94.89	94.83	94.79	94.77	94.82
	Total	100.00	100.00	100.00	100.00	100.00	100.00
11 to 15 years	Mental health service	5.72	5.81	5.84	5.88	5.97	6.08
	No mental health service	94.28	94.19	94.16	94.12	94.03	93.92
	Total	100.00	100.00	100.00	100.00	100.00	100.00
16 to 20 years	Mental health service	7.07	7.00	7.00	7.15	7.18	7.39
	No mental health service	92.93	93.00	93.00	92.85	92.82	92.61
	Total	100.00	100.00	100.00	100.00	100.00	100.00
21 to 25 years	Mental health service	8.02	8.18	8.09	7.96	7.86	7.81
	No mental health service	91.98	91.82	91.91	92.04	92.14	92.19
	Total	100.00	100.00	100.00	100.00	100.00	100.00

Tables

TABLE 16: Number and percentage of young Albertans by age group, educational achievement, and study year, young Albertans aged in grades 3 to 12

Age group	Educational achievement	Study year					
		2005/06	2006/07	2007/08	2008/09	2009/10	2010/11
Number of individuals							
8 to 11 years	Below expectations	18,231	18,759	18,960	18,411	20,140	19,601
	Meeting expectations	113,542	113,512	112,464	111,769	114,751	113,482
	Above expectations	15,113	15,227	15,403	16,385	12,978	15,126
	Total	146,886	147,498	146,827	146,565	147,869	148,209
12 to 14 years	Below expectations	21,379	22,006	22,003	20,960	20,735	20,015
	Meeting expectations	95,202	94,820	94,555	94,542	95,140	95,307
	Above expectations	11,261	11,033	11,055	11,649	10,103	9,804
	Total	127,842	127,859	127,613	127,151	125,978	125,126
15 to 17 years	Below expectations	26,284	27,456	26,327	25,074	23,772	22,921
	Meeting expectations	99,060	100,250	100,093	100,440	101,697	102,681
	Above expectations	8,648	8,875	8,965	8,989	8,822	8,296
	Total	133,992	136,581	135,385	134,503	134,291	133,898
18 to 20 years	Below expectations	7,648	7,593	7,909	7,944	8,402	8,283
	Meeting expectations	18,575	18,978	19,227	19,642	21,137	22,435
	Above expectations	1,454	1,534	1,613	1,472	1,577	1,684
	Total	27,677	28,105	28,749	29,058	31,116	32,402
Percentage of individuals							
8 to 11 years	Below expectations	12.41	12.72	12.91	12.56	13.62	13.23
	Meeting expectations	77.30	76.96	76.60	76.26	77.60	76.57
	Above expectations	10.29	10.32	10.49	11.18	8.78	10.21
	Total	100.00	100.00	100.00	100.00	100.00	100.00
12 to 14 years	Below expectations	16.72	17.21	17.24	16.48	16.46	16.00
	Meeting expectations	74.47	74.16	74.10	74.35	75.52	76.17
	Above expectations	8.81	8.63	8.66	9.16	8.02	7.84
	Total	100.00	100.00	100.00	100.00	100.00	100.00
15 to 17 years	Below expectations	19.62	20.10	19.45	18.64	17.70	17.12
	Meeting expectations	73.93	73.40	73.93	74.67	75.73	76.69
	Above expectations	6.45	6.50	6.62	6.68	6.57	6.20
	Total	100.00	100.00	100.00	100.00	100.00	100.00
18 to 20 years	Below expectations	27.63	27.02	27.51	27.34	27.00	25.56
	Meeting expectations	67.11	67.53	66.88	67.60	67.93	69.24
	Above expectations	5.25	5.46	5.61	5.07	5.07	5.20
	Total	100.00	100.00	100.00	100.00	100.00	100.00

Tables

TABLE 17: Number and percentage of young Albertans by age group, high school completion, and study year, young Albertans who were in high school at some point in the study

Age group	High school completion	Study year					
		2005/06	2006/07	2007/08	2008/09	2009/10	2010/11
Number of individuals							
11 to 15 years	Completed	155,546	124,046	90,388	56,452	23,383	149
	Not completed	43,302	34,877	26,122	17,390	7,435	99
	Total	198,848	158,923	116,510	73,842	30,818	248
16 to 20 years	Completed	86,740	118,517	147,992	166,640	166,092	154,837
	Not completed	27,698	35,898	41,323	44,274	45,681	42,722
	Total	114,438	154,415	189,315	210,914	211,773	197,559
21 to 25 years	Completed	n/a	766	4,027	16,719	46,838	77,397
	Not completed	n/a	797	3,174	7,760	14,800	22,992
	Total	n/a	1,563	7,201	24,479	61,638	100,389
Percentage of individuals							
11 to 15 years	Completed	78.22	78.05	77.58	76.45	75.87	60.08
	Not completed	21.78	21.95	22.42	23.55	24.13	39.92
	Total	100.00	100.00	100.00	100.00	100.00	100.00
16 to 20 years	Completed	75.80	76.75	78.17	79.01	78.43	78.38
	Not completed	24.20	23.25	21.83	20.99	21.57	21.62
	Total	100.00	100.00	100.00	100.00	100.00	100.00
21 to 25 years	Completed	n/a	49.01	55.92	68.30	75.99	77.10
	Not completed	n/a	50.99	44.08	31.70	24.01	22.90
	Total	n/a	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. If multiple dissemination areas were available for each year the above discrepancy rules were followed in each study year. Some programs provided the most recent dissemination area. For these programs, the dissemination area was only included for the most recent year of service use for the program.
- **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.
- **High School completion** is based on being a credentialed completer or non-credentialed completer during the study period. A credentialed completer has a high school diploma, high school equivalency diploma, or a certificate of achievement. A non-credentialed completer has post-secondary attendance, apprenticeship, or achieved academic standing with course completion, but does not have a diploma or certificate as found with credentialed completers. Only students registered in high school at some point in the study period were considered eligible for high school completion. High school completion is often used in the Longitudinal Project instead of educational achievement where the subpopulation is in the older age ranges. This is a binary measure of high school completion at any point across the study period.



Definitions and notes (continued)

- **Mental health service** 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.
- Dissemination areas from the 2006 Statistics Canada Census were used to determine **region**. Those with missing dissemination areas are excluded from analyses. The CYDL received region boundaries for health zones and post-secondary service areas. These regions are used for health and post-secondary analyses, Human Services service delivery regions are used for all other analyses across the Longitudinal Project. See page 2 for maps showing the regions.
- **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 data¹. 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.
- **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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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.



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