



The Employment Impact of Covid-19 on Calgary Neighbourhoods: A Preliminary Assessment

June 2020

Canadian Poverty Institute

The Canadian Poverty Institute
150 Ambrose Circle SW
Calgary, Alberta
T3H 0L5

PovertyInstitute@ambrose.edu

www.povertyinstitute.ca

@CndPovertyInst

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The economic shutdown associated with the Covid-19 pandemic resulted in significant job loss across Calgary. Between March and May 2020, employment in Calgary contracted by 76,600 jobs leaving a total of 117,800 workers unemployed. Hardest hit were the Accommodation and Food Services industries that contracted by 41%, followed by Transportation and Warehousing (-18%), Information, Culture and Recreation (-15%) and Wholesale and Retail Trade (-13%).¹ Due to their predominance in the industries that were most affected by the shutdown, low-income workers, recent immigrants, visible minorities, women and youth experienced the most severe employment loss.² Given the different labour force distributions in neighbourhoods across Calgary, the effects of the lockdown are expected to be distributed unevenly across the city. This brief estimates the employment impact of the lockdown on neighbourhoods and urban zones in Calgary. The impacts are analyzed in terms of both the absolute number and percentage of jobs estimated to have been lost in each community and urban zone.

Estimated Number of Jobs Lost

In terms of total number of jobs estimated to have been lost, the Beltline experienced the greatest impact with an estimated 1,444 jobs lost, a 9% decline in total employment. This was followed closely by Panorama Hills which was estimated to have lost 1,216 jobs, an 8% decline in total employment. Overall, the new suburbs experienced the greatest total job loss with an estimated decline of 21,609 jobs, almost half (42%) of all the jobs lost across the city.

Estimated Change in Total Employment, Feb to May 2020, Top 5 Communities				
	Population (2016)	Employment (2016)	Number of Jobs Lost	Percentage Job Loss
Beltline	20,860	16,430	-1,444	-9%
Panorama Hills	26,120	14,580	-1,216	-8%
Saddle Ridge	19,525	10,325	-988	-10%
Taradale	19,330	9,980	-954	-10%
Evergreen	21,240	12,035	-867	-7%

Estimated Change in Total Employment by Urban Zone, Feb to May 2020					
	Population (2016)	Employment (2016)	Jobs Lost	% Change	% of Total Jobs Lost
Inner City	142,220	97,920	(7,834)	-8.0%	15%
Inner Suburbs	129,340	78,245	(5,398)	-6.9%	11%
Established Suburbs	432,355	241,485	(16,453)	-6.8%	32%
New Suburbs	515,910	294,090	(21,609)	-7.3%	42%

¹ Statistics Canada. Labour Force Survey. Table 14-10-0355-02 (formerly CANSIM table 282-0088).

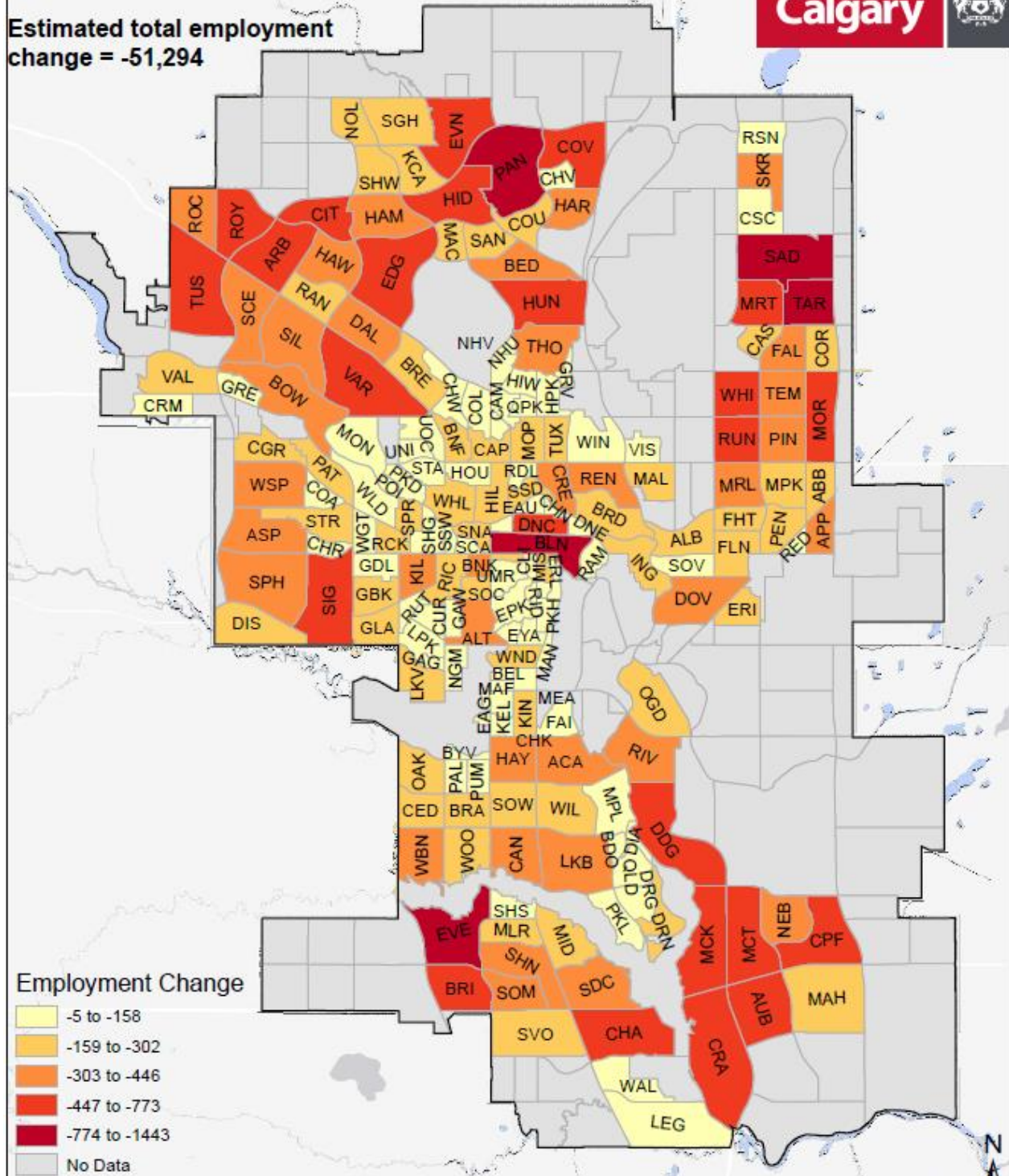
² Canadian Poverty Institute (2020). *An Assessment of the Employment Impact of Covid19 on Calgary's Vulnerable Workforce* <https://www.povertyinstitute.ca/s/Vulnerability-Assessment-Brief-1-Employment-Update-May.pdf>

Estimated Employment Change by Community

Estimated employment change, February 2020 to May 2020



Estimated total employment change = -51,294



Data provided by Canadian Poverty Institute
 Created by Research & Reporting, Strategic Services, June 2020

0 2.5 5 10 Kilometers
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Estimated Percentage Employment Decline

The impact on a community can also be considered in terms of the loss of employment as a percentage of total employment in the community. Job loss rates varied from -3.9% in Eagle Ridge to -11.3% in Rideau Park. In addition to Rideau Park, communities experiencing the greatest percentage job loss included Cityscape (-10.0%), Downtown Commercial and Queens Park Village (-10.0% each), and Mayfair (-9.8%). Although the number of jobs lost is smaller, the Inner City experienced the greatest decline in employment in terms of percentage job loss, with employment falling by 8.0%, compared to a 7.3% decline in the new suburbs.

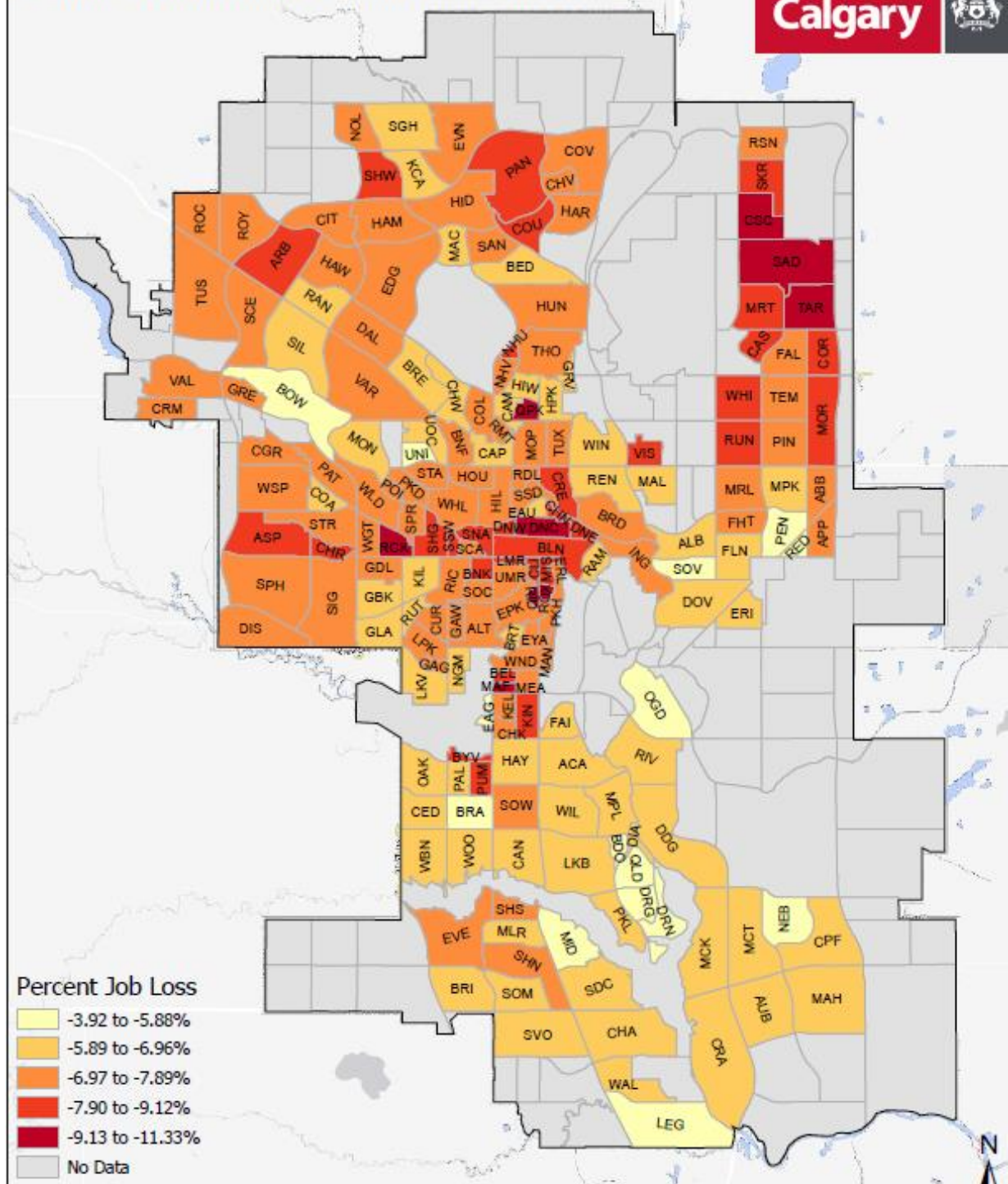
Estimated Percentage Change in Total Employment, Feb to May 2020, Top 5 Communities				
	Population (2016)	Employment (2016)	Number of Jobs Lost	Percentage Job Loss
Rideau Park	625	390	-44	-11.3%
Cityscape	1,695	835	-90	-10.8%
Downtown Commercial Core	7,545	5,055	-506	-10.0%
Queens Park Village	480	295	-30	-10.0%
Mayfair	475	250	-25	-9.8%

Communities with the greatest percentage job loss varied in important ways from those with the smallest percentage job loss. Those communities in the top quintile for job loss (percentage decline) were also those with the lowest average income and highest rates of low-income. These communities also had the highest proportion of visible minority persons as well as recent immigrants and non-permanent residents. Further, they reported an above average percentage of households spending more than 30% of their incomes on housing costs, indicating important affordability challenges that could affect their ability to meet their basic needs.

Socio-Demographic Characteristics (2016) of Communities by Percentage Job Loss (Quintiles)					
	Quintile (Percentage Job Loss)				
	1	2	3	4	5
Population (2016)	247,245	199,175	298,265	232,010	243,130
Total Employed (2016)	146,530	115,725	169,180	137,360	142,945
Estimated Job Loss (Feb-May 2020)	(12,744)	(8,799)	(12,086)	(9,151)	(8,514)
Estimated Percentage Change in Employment	-8.7%	-7.6%	-7.1%	-6.7%	-6.0%
Number of Low Income Households	27,170	15,610	24,460	20,790	18,890
Low-income Rate	11%	8%	8%	9%	8%
Recent Immigrants	12%	5%	7%	6%	6%
Non-permanent Residents	3%	2%	2%	2%	1%
Visible Minority Persons	59%	33%	36%	27%	24%
Average Income (2015)	\$ 103,250	\$ 164,394	\$ 126,416	\$ 109,389	\$ 129,378
Spending 30% or more of income on housing	27%	20%	20%	22%	22%
Source: Statistics Canada. Census of Canada 2016. Custom Tabulations.					

Estimated Employment Loss by Community

% change in employment, February 2020 to May 2020



Data provided by Canadian Poverty Institute
 Created by Research & Reporting, Strategic Services, June 2020

0 2.5 5 10 Kilometers
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Discussion

As the estimates in this report indicate, the employment impact of Covid-19 is not evenly distributed across Calgary. Neighbourhoods hardest hit tend to be lower income suburban neighbourhoods with larger immigrant and visible minority populations. Such neighbourhoods were already experiencing elevated housing affordability challenges prior to the pandemic, suggesting residents may now be experiencing increased financial stress and difficulty meeting their basic needs due to loss of employment. Residents of suburban neighbourhoods may experience greater transportation challenges and also have fewer services available in or close to their communities. This suggests that there is an increased need to provide supports and services in new locations closer to people's homes. Outreach to inform residents about available supports and services should also consider the appropriate language and cultural contexts of the neighbourhoods in which support is provided. It is hoped that this brief will aid in appropriately targeting the location and type of assistance to be provided.

Technical Notes

Job loss estimates for each community were derived by applying the percentage change in employment for Calgary industries (February to May 2020)³ to the 2016 labour force profile by industry for each Calgary neighbourhood. As the labour force profile for each neighbourhood is based on 2016 Census data it therefore does not exactly reflect the 2020 labour force which may result in undercounting total job loss. The estimates assume that job losses in each industry are distributed uniformly across all workers in that industry and thereby uniformly across neighbourhoods.

Acknowledgements

Mapping was generously provided by The City of Calgary.

Neighbourhood demographic data was provided through the Community Data Program (www.communitydata.ca)

³ Source: Statistics Canada. Labour Force Survey. Table 14-10-0355-02 (formerly CANSIM table 282-0088).

Employment by industry, 3-month moving average, unadjusted for seasonality, Calgary (CMA)

North American Industry Classification System (NAICS)	Feb-20	May-20	% Chg. Feb-May
	Persons (000)		
Total employed, all industries	845.3	757.9	-10.3%
Agriculture, forestry, fishing, mining, quarrying, oil and gas	54.2	51.5	-5.0%
Utilities	8.8	10.5	19.3%
Construction	68.2	66.3	-2.8%
Manufacturing	35.1	38.9	10.8%
Wholesale and retail trade	111	96.3	-13.2%
Transportation and warehousing	58.5	48	-17.9%
Finance, insurance, real estate, rental and leasing	40.6	40.9	0.7%
Professional, scientific and technical services	100.3	89.4	-10.9%
Business, building and other support services	28.1	31.4	11.7%
Educational services	67.9	58.7	-13.5%
Health care and social assistance	119.1	105.1	-11.8%
Information, culture and recreation	32.2	27.2	-15.5%
Accommodation and food services	59.3	34.9	-41.1%
Other services (except public administration)	34.1	31.2	-8.5%
Public administration	27.9	27.4	-1.8%

Source: Statistics Canada. Table 14-10-0097-01 Employment by industry, three-month moving average, unadjusted for seasonality, census metropolitan areas (x 1,000)

Total Population, Employment and Estimates of Job Losses by Neighbourhood

Community	Population (2016)	Total Employed (2016)	Estimated Jobs Lost (Feb-May 2020)	Estimated Percentage Employment Change	Quintile (# Jobs Lost)	Quintile (% Jobs Lost)
Abbeydale	6,150	3,325	-259	-7.8%	3	2
Acadia	10,435	6,130	-374	-6.1%	2	5
Albert Park / Radisson Heights	6,640	3,790	-248	-6.5%	3	4
Altadore	6,785	4,255	-308	-7.2%	2	3
Applewood Park	6,850	4,045	-305	-7.5%	2	2
Arbour Lake	10,760	5,910	-472	-8.0%	1	1
Aspen Woods	9,060	4,830	-387	-8.0%	2	1
Auburn Bay	14,850	8,850	-554	-6.3%	1	5
Banff Trail	3,760	2,415	-183	-7.6%	4	2
Bankview	5,180	4,010	-331	-8.2%	2	1
Bayview	740	320	-27	-8.5%	5	1
Beddington Heights	11,840	6,795	-435	-6.4%	1	4
Bel-Aire	385	195	-17	-8.9%	5	1
Beltline	20,860	16,430	-1,444	-8.8%	1	1
Bonavista Downs	880	550	-23	-4.1%	5	5
Bowness	10,800	6,490	-366	-5.6%	2	5
Braeside	6,055	3,645	-208	-5.7%	3	5
Brentwood	6,585	3,695	-250	-6.8%	3	4
Bridgeland / Riverside	5,485	3,510	-265	-7.5%	3	2
Bridlewood	12,795	7,335	-496	-6.8%	1	4
Britannia	725	365	-25	-6.8%	5	4
Cambrian Heights	2,265	1,365	-93	-6.8%	4	4
Canyon Meadows	7,810	4,680	-316	-6.7%	2	4
Capitol Hill	4,170	2,760	-190	-6.9%	4	4
Castleridge	6,465	3,515	-296	-8.4%	2	1
Cedarbrae	6,340	3,775	-243	-6.4%	3	4
Chaparral	13,475	7,520	-463	-6.2%	1	5
Charleswood	3,655	2,005	-132	-6.6%	4	4
Chinatown	1,570	825	-75	-9.1%	5	1
Chinook Park	1,535	810	-63	-7.8%	5	2
Christie Park	2,090	1,030	-89	-8.6%	4	1
Citadel	10,435	6,220	-462	-7.4%	1	2
Cityscape	1,695	835	-90	-10.8%	4	1
Cliff Bungalow	1,885	1,510	-133	-8.8%	4	1
Coach Hill	3,410	2,065	-129	-6.3%	4	5
Collingwood	2,160	1,250	-93	-7.5%	4	2

Copperfield	12,600	7,855	-474	-6.0%	1	5
Coral Springs	6,110	3,405	-302	-8.9%	2	1
Cougar Ridge	7,110	3,895	-293	-7.5%	2	2
Country Hills	3,780	2,345	-199	-8.5%	3	1
Country Hills Village	2,410	1,385	-108	-7.8%	4	2
Coventry Hills	17,520	10,335	-748	-7.2%	1	3
Cranston	18,120	10,530	-635	-6.0%	1	5
Crescent Heights	5,845	4,240	-347	-8.2%	2	1
Crestmont	1,545	850	-60	-7.1%	5	3
Currie Barracks	770	440	-34	-7.8%	5	2
Dalhousie	9,085	4,785	-349	-7.3%	2	3
Deer Ridge	4,100	2,430	-129	-5.3%	4	5
Deer Run	5,120	3,120	-184	-5.9%	4	5
Diamond Cove	825	440	-27	-6.2%	5	5
Discovery Ridge	4,475	2,420	-184	-7.6%	4	2
Douglasdale/Glen	12,700	7,515	-493	-6.6%	1	4
Dover	10,910	5,945	-378	-6.4%	2	5
Downtown Commercial Core	7,545	5,055	-506	-10.0%	1	1
Downtown East Village	1,725	1,065	-85	-8.0%	5	1
Downtown West End	2,105	1,480	-122	-8.2%	4	1
Eagle Ridge	315	140	-5	-3.9%	5	5
Eau Claire	1,600	960	-65	-6.7%	5	4
Edgemont	15,950	8,270	-623	-7.5%	1	2
Elbow Park	3,435	1,805	-138	-7.7%	4	2
Elboya	1,630	960	-72	-7.5%	5	2
Erin Woods	7,095	4,090	-280	-6.8%	2	4
Erlton	1,280	950	-68	-7.2%	5	3
Evanston	13,980	8,255	-585	-7.1%	1	3
Evergreen	21,240	12,035	-867	-7.2%	1	3
Fairview	3,790	2,250	-134	-6.0%	4	5
Falconridge	10,890	5,745	-408	-7.1%	1	3
Forest Heights	6,295	3,380	-244	-7.2%	3	3
Forest Lawn	7,405	3,955	-242	-6.1%	3	5
Garrison Green	1,680	1,020	-75	-7.3%	5	3
Garrison Woods	2,745	1,670	-130	-7.8%	4	2
Glamorgan	6,195	3,855	-266	-6.9%	3	4
Glenbrook	7,270	4,330	-289	-6.7%	2	4
Glendale	2,890	1,715	-120	-7.0%	4	3
Greenview	2,050	1,265	-86	-6.8%	5	4
Greenwood / Greenbriar	905	475	-34	-7.1%	5	3

Hamptons	7,810	4,105	-320	-7.8%	2	2
Harvest Hills	7,560	4,670	-350	-7.5%	2	2
Hawkwood	9,845	5,315	-377	-7.1%	2	3
Haysboro	7,165	4,610	-314	-6.8%	2	4
Hidden Valley	11,915	7,095	-496	-7.0%	1	3
Highland Park	4,015	2,470	-158	-6.4%	4	4
Highwood	2,065	1,275	-89	-7.0%	5	3
Hillhurst	5,395	3,520	-275	-7.8%	3	2
Hounsfield Heights / Briar Hill	2,390	1,265	-97	-7.7%	4	2
Huntington Hills	13,645	7,620	-543	-7.1%	1	3
Inglewood	3,845	2,840	-215	-7.6%	3	2
Kelvin Grove	1,950	1,120	-82	-7.3%	5	3
Killarney / Glengarry	7,515	5,095	-342	-6.7%	2	4
Kincora	6,075	3,470	-236	-6.8%	3	4
Kingsland	4,770	2,945	-257	-8.7%	3	1
Lake Bonavista	10,520	5,625	-374	-6.7%	2	4
Lakeview	5,455	2,890	-195	-6.8%	4	4
Legacy	2,315	1,515	-82	-5.4%	5	5
Lincoln Park	1,915	965	-68	-7.1%	5	3
Lower Mount Royal	3,195	2,495	-223	-8.9%	3	1
Macewan Glen	5,055	2,935	-205	-7.0%	3	3
Mahogany	7,125	4,275	-266	-6.2%	3	5
Manchester	750	455	-33	-7.1%	5	3
Maple Ridge	1,990	1,095	-74	-6.7%	5	4
Marlborough	9,240	4,860	-350	-7.2%	2	3
Marlborough Park	8,935	4,865	-290	-6.0%	2	5
Martindale	15,020	7,980	-686	-8.6%	1	1
Mayfair	475	250	-25	-9.8%	5	1
Mayland Heights	5,925	3,490	-224	-6.4%	3	4
Mckenzie Lake	13,925	8,525	-534	-6.3%	1	5
Mckenzie Towne	17,890	11,020	-667	-6.1%	1	5
Meadowlark Park	645	390	-28	-7.3%	5	3
Midnapore	6,560	3,910	-217	-5.5%	3	5
Millrise	6,750	4,100	-279	-6.8%	3	4
Mission	4,145	3,365	-284	-8.4%	2	1
Monterey Park	10,865	5,935	-491	-8.3%	1	1
Montgomery	3,975	2,400	-155	-6.4%	4	4
Mount Pleasant	5,500	3,430	-256	-7.5%	3	2
New Brighton	12,295	7,640	-446	-5.8%	1	5
Nolan Hill	3,940	2,300	-166	-7.2%	4	3
North Glenmore Park	2,595	1,475	-96	-6.5%	4	4

North Haven	2,390	1,315	-92	-7.0%	4	3
North Haven Upper	635	410	-33	-8.0%	5	1
Oakridge	5,805	3,125	-215	-6.9%	3	4
Ogden	8,600	5,075	-290	-5.7%	2	5
Palliser	3,440	1,740	-113	-6.5%	4	4
Panorama Hills	26,120	14,580	-1,216	-8.3%	1	1
Parkdale	1,865	1,165	-82	-7.0%	5	3
Parkhill	1,720	1,065	-79	-7.4%	5	2
Parkland	3,755	1,865	-116	-6.2%	4	5
Patterson	4,265	2,455	-187	-7.6%	4	2
Penbrooke Meadows	8,625	4,615	-242	-5.2%	3	5
Pineridge	10,135	5,460	-392	-7.2%	1	3
Point Mckay	1,275	820	-64	-7.9%	5	2
Pump Hill	1,445	660	-54	-8.2%	5	1
Queens Park Village	480	295	-30	-10.0%	5	1
Queensland	4,750	2,935	-148	-5.0%	4	5
Ramsay	2,110	1,455	-98	-6.7%	4	4
Ranchlands	7,635	4,555	-297	-6.5%	2	4
Red Carpet	1,815	1,005	-54	-5.3%	5	5
Redstone	2,535	1,465	-113	-7.7%	4	2
Renfrew	6,605	4,500	-309	-6.9%	2	4
Richmond	4,765	3,200	-238	-7.4%	3	2
Rideau Park	625	390	-44	-11.3%	5	1
Riverbend	9,700	6,345	-417	-6.6%	1	4
Rocky Ridge	8,195	4,490	-332	-7.4%	2	2
Rosedale	1,615	845	-66	-7.8%	5	2
Rosemont	1,355	820	-64	-7.8%	5	2
Rosscarrock	3,560	2,205	-204	-9.3%	3	1
Roxboro	425	240	-22	-9.3%	5	1
Royal Oak	11,690	6,585	-480	-7.3%	1	3
Rundle	11,265	5,590	-461	-8.3%	1	1
Rutland Park	2,285	1,290	-83	-6.4%	5	4
Saddle Ridge	19,525	10,325	-988	-9.6%	1	1
Sage Hill	5,650	3,495	-239	-6.8%	3	4
Sandstone Valley	6,165	3,585	-268	-7.5%	3	2
Scarboro	1,075	585	-46	-7.8%	5	2
Scarboro / Sunalta West	445	270	-23	-8.4%	5	1
Scenic Acres	8,320	4,730	-349	-7.4%	2	3
Shaganappi	1,480	1,005	-88	-8.7%	5	1
Shawnee Slopes	1,550	840	-64	-7.6%	5	2
Shawnessy	9,485	5,865	-412	-7.0%	1	3

Shepherd Industrial	295	180	-12	-6.9%	5	4
Sherwood	5,080	2,865	-230	-8.0%	3	1
Signal Hill	13,700	7,220	-563	-7.8%	1	2
Silver Springs	8,910	5,045	-350	-6.9%	2	3
Silverado	6,970	4,170	-249	-6.0%	3	5
Skyview Ranch	8,445	5,050	-445	-8.8%	1	1
Somerset	8,820	5,200	-342	-6.6%	2	4
South Calgary	4,090	2,905	-217	-7.5%	3	2
Southview	1,825	1,045	-54	-5.2%	5	5
Southwood	6,225	3,870	-284	-7.3%	2	3
Springbank Hill	9,835	5,275	-403	-7.6%	1	2
Spruce Cliff	4,525	2,680	-212	-7.9%	3	1
St. Andrews Heights	1,400	845	-62	-7.3%	5	3
Strathcona Park	6,965	3,625	-285	-7.8%	2	2
Sunalta	3,215	2,465	-201	-8.1%	3	1
Sundance	10,225	6,065	-378	-6.2%	2	5
Sunnyside	3,865	3,060	-232	-7.6%	3	2
Taradale	19,330	9,980	-954	-9.6%	1	1
Temple	11,475	6,100	-428	-7.0%	1	3
Thornccliffe	8,760	5,005	-359	-7.2%	2	3
Tuscany	19,790	10,755	-773	-7.2%	1	3
Tuxedo Park	5,150	3,370	-240	-7.1%	3	3
University Heights	755	285	-16	-5.5%	5	5
University Of Calgary	2,750	1,570	-107	-6.8%	4	4
Upper Mount Royal	2,515	1,430	-113	-7.9%	4	2
Valley Ridge	5,565	2,995	-223	-7.4%	3	2
Varsity	12,800	6,780	-484	-7.1%	1	3
Vista Heights	2,250	1,135	-98	-8.6%	4	1
Walden	3,675	2,220	-136	-6.1%	4	5
West Hillhurst	6,300	3,955	-297	-7.5%	2	2
West Springs	9,820	5,255	-375	-7.1%	2	3
Westgate	3,325	2,080	-147	-7.1%	4	3
Whitehorn	12,125	6,415	-555	-8.6%	1	1
Wildwood	2,560	1,490	-105	-7.0%	4	3
Willow Park	5,375	3,005	-196	-6.5%	3	4
Windsor Park	4,425	2,840	-220	-7.7%	3	2
Winston Heights / Mountview	3,645	2,260	-154	-6.8%	4	4
Woodbine	9,105	5,335	-371	-6.9%	2	3
Woodlands	6,180	3,340	-216	-6.5%	3	4
Total	1,219,825	711,740	-51,294	-7.2%		

Brief prepared by:

The Canadian Poverty Institute
Ambrose University
150 Ambrose Circle SW
Calgary, Alberta
T3H 0L5

www.povertyinstitute.ca
povertyinstitute@ambrose.edu

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