
Components of population change

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Highlights

- 13 non-metro census divisions (CDs) gained population while 14 non-metro CDs lost population in the 12 month period between July 1, 2011 and June 30, 2012.
- Only one CD in the metro and partially non-metro categories saw a population decline.
- 17 of 27 non-metro census divisions had more deaths than births.
- For most non-metro CDs, the largest impact on population change was migration among CDs.

Why look at components of population change?

Population change fundamentally affects a range of community dynamics including demand for goods and services, housing or education. Understanding the sources of population change helps support the development of appropriate strategies.

Findings

The components of population change are:

- Natural balance (births minus deaths);
- Net international migration (immigrants minus emigrants¹);
- Net intra-provincial migration (in-migrants to a CD minus out-migrants within Ontario);
- Net inter-provincial migration (migrants from minus migrants to other provinces); and
- Net change in non-permanent residents.

This fact sheet focuses on the population change for non-metro CDs² from July 1, 2011 to June 30, 2012. This is the most recent year that data on migration³ among CDs are 'final'.

During this time, the impact of natural balance on population change in non-metro CDs varied from a -0.45% impact in the Haliburton CD to a 0.73% impact in the Kenora CD (Table 1). A negative figure indicates more deaths than births and a positive

figure indicates more births than deaths. Overall, 10 of the 27 non-metro CDs had a positive natural balance and 17 had more deaths than births.

Among non-metro CDs, net international migration had its largest positive impact in the Perth CD (0.21% in one year) and its largest negative impact in the Rainy River CD (-0.41%). By comparison, the impact of international migration in the metro CDs of Toronto and Peel was over 1% in the period.

For most non-metro CDs, the impact of migration within Ontario has the largest impact on population change⁴. Among non-metro CDs, the Haliburton CD experienced a 2.5% increase in population due to more individuals moving into the CD compared to the number moving out. Three CDs lost more than 1% of their population due to more individuals moving out than moving in (the CDs of Sudbury, Rainy River and Huron).

Summary

Across non-metro CDs, there is a wide range in the contribution from each component of population change. Typically, the migration of individuals from one CD to another CD in Canada has the largest impact on the population change of a CD.

¹ Net emigrants is calculated as the number of emigrants minus returning emigrants plus net temporary emigrants.

² A non-metro CD has no towns or municipalities that are part of a Census Metropolitan Area (CMA). See [Focus on Rural Ontario: Overview of Ontario's rural geography](#).

³ "Migration" is defined by Statistics Canada as a change in the address of a resident of Canada. The address for each year is derived from the address on income tax forms, typically filed in April of each year. The address of dependents is assigned on the basis of the address of the income tax filer. See "Migration Estimates From Tax Records For Census Divisions" at http://www23.statcan.gc.ca/imdb-bmdi/document/4101_D3_T1_V10-eng.htm#a3.

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⁴ The role of migration among CDs is detailed in subsequent issues of [Focus on Rural Ontario](#).

Table 1

Components of population change for Ontario census divisions from July 1, 2011 to June 30, 2012

Census division identifier	Census division (CD) name	Total population				Components of population change (July 1, 2011 to June 30, 2012)																			
		July 1, 2011	July 1, 2012	Change	Percent change	Natural balance (July 1, 2011 to June 30, 2012)				International migration (July 1, 2011 to June 30, 2012)				Change in number of non-permanent residents		Internal migration (i.e. migration within Canada) (July 1, 2011 to June 30, 2012)									
						Births	Deaths	Natural balance (births minus deaths)	As percent of total population	Immigrant arrivals	Emmigrant ¹ departures	Net international migration	As percent of total population	Change	as percent of total population	Intra-provincial migration		Inter-provincial migration		Total internal (within Canada) migration					
																Migration FROM another CD within province	Migration TO another CD within province	Net intra-provincial migration	Migration FROM a CD in another province	Migration TO a CD in another province	Net inter-provincial migration	Total migration into CD	Total migration out of CD	Net migration with other CDs	As percent of total population
Metro census divisions (sorted by internal migration (within Canada) as a percent of total population, as shown in the last column)																									
3524	Halton	517,159	528,610	11,451	2.21	5,851	3,049	2,802	0.54	3,220	897	2,323	0.45	650	0.13	25,240	19,430	5,810	2,115	2,254	-139	27,355	21,684	5,671	1.10
3519	York	1,065,504	1,086,335	20,831	1.96	11,215	4,585	6,630	0.62	10,203	1,040	9,163	0.86	1,551	0.15	44,586	40,522	4,064	2,438	3,012	-574	47,024	43,534	3,490	0.33
3529	Brant	139,939	140,906	967	0.69	1,542	1,284	258	0.18	231	83	148	0.11	126	0.09	4,807	4,212	595	345	505	-160	5,152	4,717	435	0.31
3525	Hamilton	535,602	541,013	5,411	1.01	5,419	4,070	1,349	0.25	2,583	603	1,980	0.37	761	0.14	15,982	14,075	1,907	1,550	2,136	-586	17,532	16,211	1,321	0.25
3506	Ottawa	912,248	924,404	12,156	1.33	9,919	5,431	4,488	0.49	5,840	1,464	4,376	0.48	1,879	0.21	15,509	14,968	541	11,154	10,286	868	26,663	25,254	1,409	0.15
3553	Greater Sudbury	164,853	165,086	233	0.14	1,465	1,489	-24	-0.01	156	123	33	0.02	104	0.06	4,221	3,847	374	514	768	-254	4,735	4,615	120	0.07
3521	Peel	1,340,528	1,365,030	24,502	1.83	15,968	5,294	10,674	0.80	22,774	514	22,260	1.66	2,177	0.16	40,108	48,184	-8,076	4,138	6,681	-2,543	44,246	54,865	-10,619	-0.79
3520	Toronto	2,704,622	2,741,775	37,153	1.37	30,996	16,687	14,309	0.53	41,997	4,121	37,876	1.40	10,716	0.40	68,050	94,371	-26,321	14,094	13,522	572	82,144	107,893	-25,749	-0.95
Partially-non-metro census divisions (sorted by internal migration (within Canada) as a percent of total population, as shown in the last column)																									
3511	Lennox & Addington	42,872	43,624	752	1.75	372	421	-49	-0.11	55	20	35	0.08	6	0.01	2,624	1,893	731	188	159	29	2,812	2,052	760	1.77
3543	Simcoe	458,930	465,880	6,950	1.51	4,399	3,536	863	0.19	579	224	355	0.08	162	0.04	18,791	12,511	6,280	2,209	2,911	-702	21,000	15,422	5,578	1.22
3518	Durham	626,765	636,208	9,443	1.51	6,532	3,582	2,950	0.47	1,730	567	1,163	0.19	343	0.05	24,179	18,341	5,838	1,351	2,204	-853	25,530	20,545	4,985	0.80
3502	Prescott & Russell	87,780	88,608	828	0.94	868	630	238	0.27	48	-17	65	0.07	18	0.02	2,916	2,553	363	1,084	940	144	4,000	3,493	507	0.58
3523	Wellington	214,694	217,267	2,573	1.20	2,441	1,541	900	0.42	826	103	723	0.34	156	0.07	8,408	7,395	1,013	728	947	-219	9,136	8,342	794	0.37
3510	Frontenac	154,322	154,989	667	0.43	1,474	1,335	139	0.09	323	319	4	0.00	199	0.13	5,787	5,464	323	1,536	1,534	2	7,323	6,998	325	0.21
3515	Peterborough	138,494	138,841	347	0.25	1,216	1,338	-122	-0.09	172	65	107	0.08	82	0.06	4,734	4,211	523	395	638	-243	5,129	4,849	280	0.20
3526	Niagara	442,803	444,399	1,596	0.36	3,937	4,272	-335	-0.08	957	319	638	0.14	409	0.09	9,232	7,868	1,364	1,387	1,867	-480	10,619	9,735	884	0.20
3539	Middlesex	452,845	457,734	4,889	1.08	4,807	3,282	1,525	0.34	2,319	458	1,861	0.41	792	0.17	12,168	10,908	1,260	2,001	2,545	-544	14,169	13,453	716	0.16
3530	Waterloo	523,753	529,646	5,893	1.13	6,131	3,157	2,974	0.57	2,991	1,032	1,959	0.37	659	0.13	14,217	13,206	1,011	1,866	2,571	-705	16,083	15,777	306	0.06
3522	Dufferin	58,528	58,764	236	0.40	584	399	185	0.32	42	34	8	0.01	34	0.06	2,925	2,762	163	127	281	-154	3,052	3,043	9	0.02
3558	Thunder Bay	150,016	149,938	-78	-0.05	1,402	1,532	-130	-0.09	119	127	-8	-0.01	46	0.03	2,389	2,095	294	919	1,199	-280	3,308	3,294	14	0.01
3534	Elgin	89,843	90,173	330	0.37	1,083	742	341	0.38	202	59	143	0.16	32	0.04	3,376	3,358	18	244	448	-204	3,620	3,806	-186	-0.21
3537	Essex	399,665	401,264	1,599	0.40	3,935	3,086	849	0.21	2,391	1,126	1,265	0.32	614	0.15	5,055	5,272	-217	1,464	2,376	-912	6,519	7,648	-1,129	-0.28
Non-metro census divisions (sorted by internal migration (within Canada) as a percent of total population, as shown in the last column)																									
3546	Haliburton	17,385	17,735	350	2.01	108	187	-79	-0.45	-	2	-2	-0.01	2	0.01	1,125	686	439	38	48	-10	1,163	734	429	2.47
3551	Manitowlin	13,336	13,443	107	0.80	130	158	-28	-0.21	2	6	-4	-0.03	7	0.05	548	419	129	36	33	3	584	452	132	0.99
3514	Northumberland	84,060	84,615	555	0.66	606	868	-262	-0.31	40	50	-10	-0.01	18	0.02	3,551	2,436	915	196	302	-106	3,547	2,738	809	0.96
3516	Kawartha Lakes	74,942	75,472	530	0.71	604	782	-178	-0.24	33	36	-3	0.00	7	0.01	3,665	2,804	861	152	309	-157	3,817	3,113	704	0.94
3544	Muskoka	61,095	61,529	434	0.71	469	574	-105	-0.17	58	28	30	0.05	44	0.07	2,540	1,931	609	166	310	-144	2,706	2,241	465	0.76
3532	Oxford	108,674	109,747	1,073	0.99	1,211	953	258	0.24	58	78	-16	-0.01	36	0.03	4,563	3,688	875	257	337	-80	4,820	4,025	795	0.73
3507	Leeds & Grenville	101,752	101,867	115	0.11	809	1,035	-226	-0.22	67	125	-58	-0.06	21	0.02	3,575	3,168	407	487	516	-29	4,062	3,684	378	0.37
3549	Parry Sound	43,154	43,149	-5	-0.01	296	464	-168	-0.39	12	8	4	0.01	22	0.05	2,217	1,983	234	120	217	-97	2,337	2,200	137	0.32
3542	Grey	94,769	94,923	154	0.16	869	987	-118	-0.12	72	29	43	0.05	14	0.01	3,987	3,648	339	246	370	-124	4,233	4,018	215	0.23
3509	Lanark	67,274	67,363	89	0.13	600	626	-26	-0.04	46	93	-47	-0.07	15	0.02	2,727	2,458	269	322	444	-122	3,049	2,902	147	0.22
3531	Perth	77,127	77,559	432	0.56	855	699	156	0.20	161	2	159	0.21	30	0.04	2,551	2,372	179	165	257	-92	2,716	2,629	87	0.11
3548	Nipissing	87,551	87,518	-33	-0.04	787	842	-55	-0.06	60	142	-82	-0.09	37	0.04	3,016	2,852	164	456	553	-97	3,472	3,405	67	0.08
3501	Stormont, Dundas & Glengarry	115,557	115,543	-14	-0.01	1,074	1,176	-102	-0.09	103	114	-11	-0.01	26	0.02	2,254	2,353	-99	935	761	174	3,189	3,114	75	0.06
3541	Bruce	67,764	67,834	70	0.10	687	645	42	0.06	39	37	2	0.00	32	0.05	2,553	2,512	41	156	203	-47	2,709	2,715	-6	-0.01
3547	Renfrew	104,078	104,147	69	0.07	1,014	954	60	0.06	42	31	11	0.01	30	0.03	3,092	3,053	39	1,127	1,198	-71	4,219	4,251	-32	-0.03
3512	Hastings	138,351	138,319	-32	-0.02	1,311	1,287	24	0.02	145	47	98	0.07	45	0.03	4,957	4,952	5	987	1,191	-204	5,944	6,143	-199	-0.14
3513	Prince Edward	25,804	25,593	-211	-0.82	190	304	-114	-0.44	18	64	-46	-0.18	14	0.05	1,211	1,288	-77	116	104	12	1,327	1,392	-65	-0.25
3538	Lambton	131,356	130,942	-414	-0.32	1,229	1,335	-106	-0.08	143	82	61	0.05	81	0.06	2,825	2,889	-64	342	728	-386	3,167	3,617	-450	-0.34
3554	Timiskaming	33,929	33,740	-189	-0.56	313	395	-82	-0.24	27	17	10	0.03	3	0.01	909	982	-73	145	192	-47	1,054	1,174	-120	-0.35
3560	Kenora	69,639	69,903	264	0.38	1,047	541	506	0.73	16	27	-11	-0.02	31	0.04	1,083	1,145	-62	622	823	-201	1,705	1,968	-263	-0.38
3557	Algoma	119,344	118,553	-791	-0.66	1,064	1,334	-270	-0.23	59	39	20	0.02	60	0.05	1,999	2,421	-422	341	520	-179	2,340	2,941	-601	-0.50
3528	Haldimand-Norfolk	111,848	11																						