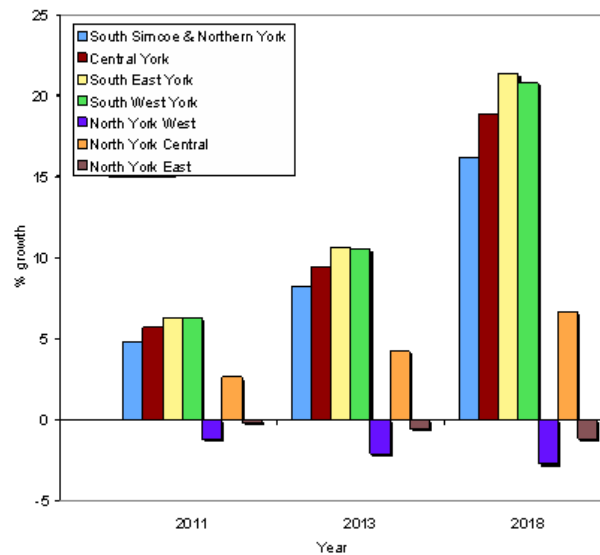


Appendix G: Explanation of Population Projections

Across each of the planning areas the projected population growth will differ in the next 10 years. Currently the older populations are concentrated in the southern and northern regions of the LHIN with the population in the centre (York Region) are slightly younger. Four planning areas which will see population growth across all ages between 15 and 20% in the next 10 years are: South East York, South West York, Central York and South Simcoe and Northern York. North York West and North York East are expected to see a slight decline in growth during this time period as shown in the table below.

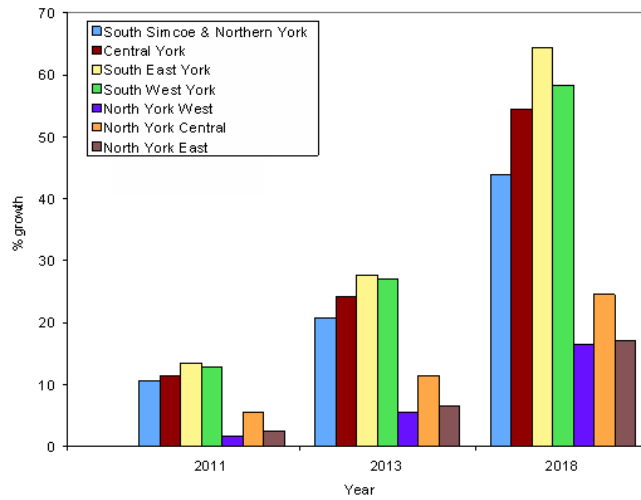
Exhibit 83: Population Growth for Central LHIN Planning Areas (All Ages)



Source: Environics Analytics

Currently the proportion of people over the age of 65 in the Central LHIN is slightly below the provincial average. This is expected to change significantly in the next 10 years giving the Central LHIN the highest number of people in this age category when compared with other LHINs. In all planning areas there is an expected increase in the number of people over the age of 65. The expected population growth for those over the age of 65 can be seen in the following exhibit. While those currently over the age of 65 residing in the Central LHIN tend to utilize healthcare services less than their peers in other parts of the province, with the rapid expected growth in the next few years, this has the potential to change. The population 85+ is predicted to grow at 43% to approximately 35,000 in 2018. This will have a significant impact on the delivery of healthcare services in the Central LHIN.

Exhibit 84: Population Growth for Central LHIN Planning Areas (65+ Cohort)



Source: Environics Analytics

One of the interesting results that we identified during the population analysis is that within the North York West, North York Central and North York East Planning Areas all have total population projections that show a relatively modest or slightly negative growth over the next ten years (2008 to 2018).

Projections of Total Population in the three North York Planning Areas:

North York West		
2008	237,400	
2011	234,678	-1.1%
2013	232,495	-2.1%
2018	230,996	-2.7%

North York Central		
2008	276,973	
2011	284,383	2.7%
2013	288,775	4.3%
2018	295,450	6.7%

North York East		
2008	123,141	
2011	122,978	-0.1%
2013	122,513	-0.5%
2018	121,750	-1.1%

When investigated further, detailed analysis shows fairly significant declines across the same three Planning Areas within similar age groups, primarily among those aged 0 to 4, 5 to 9 and 35 to 44. The most significant being those aged 35 to 44 in North York West (-23.6%) and North York East (-22.1%), as well as ages 0 to 4 in the same areas - North York West (-18.0%) and North York East (-15.6%).

These declines are illustrated in the Planning Area tables below:

North York West						
	0 to 4		5 to 9		35 to 44	
2008	15,332		15,945		35,458	
2011	14,663	-4.4%	15,927	-0.1%	32,556	-8.2%
2013	14,034	-8.5%	15,409	-3.4%	30,566	-13.8%
2018	12,565	-18.0%	14,458	-9.3%	27,092	-23.6%

North York Central						
	0 to 4		5 to 9		35 to 44	
2008	11,611		12,002		40,749	
2011	11,497	-1.0%	12,289	2.4%	38,805	-4.8%
2013	11,233	-3.3%	12,084	0.7%	37,371	-8.3%
2018	10,248	-11.7%	11,540	-3.8%	34,039	-16.5%

North York East						
	0 to 4		5 to 9		35 to 44	
2008	5,992		6,645		20,476	
2011	5,827	-2.8%	6,727	1.2%	18,991	-7.3%
2013	5,621	-6.2%	6,540	-1.6%	17,964	-12.3%
2018	5,056	-15.6%	6,159	-7.3%	15,949	-22.1%

Issues regarding negative or flat growth in the three North York Planning Areas were further investigated for accuracy and confirmed with the data supplier. Environics uses their own demographic estimates and projections created by their own methodology and supplemented by government estimates, economic data such as building permits, immigration statistics. As such, Environics Analytics data is considered an authoritative source in the field of population projections.

All population-based data was sourced from the January 2008 version from Environics Analytics, which uses proprietary data, Census Canada, The Centre for Spatial Economics, and the Canada Mortgage and Housing Corporation to calculate population and projections across a variety of variables.

Environics data was used for two primary reasons. Firstly, it is considered an authoritative source in the field of population projections. In addition, their data comes configured for use in a GIS environment that was used throughout the process to identify and calculate population numbers and projections for areas that do not match census areas like those provided by Statistics Canada. This was necessary to understand Planning Areas and market analysis calculations.

We expect all population models will show some differences, because of the methodologies, algorithms, and base data sources used. In particular, we compared the results with those projections provided by the Ontario government (FIM Branch) and while there were some differences in the order of magnitude, the projections generally aligned and were comparable, with Environics being more conservative in their projections. We also believe that issues were identified to the team when our 2008 projections were compared to the FIM 2006 populations – which may explain some differences.

It is common practice for data suppliers to produce new estimated and projected data on an annual basis. There is often new and more reliable data available that are used in the new projections and new improved methodologies are applied. In the case of the data used in this project, we are using the latest information available – the Environics data release of January 2008.

Exhibit 85: Population Projections by Age Cohort and Planning Area for Central LHIN

Planning Area	Year	Population	Growth from 2008	Population	Growth from 2008	Population	Growth from 2008	Population	Growth from 2008
		0 to 20		21 to 64		65+		Total	
South Simcoe and NYR	2008	30,474		70,502		13,093		114,069	
	2013	29,349	-3.7%	78,306	11.1%	15,803	20.7%	123,459	8.2%
	2018	29,427	-3.4%	84,348	19.6%	18,835	43.9%	132,612	16.3%
Central York Region	2008	55,441		127,316		21,450		204,207	
	2013	54,046	-2.5%	142,867	12.2%	26,617	24.1%	223,531	9.5%
	2018	55,504	0.1%	154,214	21.1%	33,129	54.4%	242,849	18.9%
South East York Region	2008	114,822		302,169		48,692		465,683	
	2013	114,590	-0.2%	338,621	12.1%	62,160	27.7%	515,372	10.7%
	2018	118,519	3.2%	367,003	21.5%	80,049	64.4%	565,573	21.5%
South West York Region	2008	65,141		144,204		21,191		230,536	
	2013	66,510	2.1%	161,444	12.0%	26,912	27.0%	254,867	10.6%
	2018	68,548	5.2%	176,548	22.4%	33,535	58.3%	278,634	20.9%
North York West	2008	61,252		141,021		35,127		237,400	
	2013	58,442	-4.6%	136,989	-2.9%	37,064	5.5%	232,495	-2.1%
	2018	55,501	-9.4%	134,596	-4.6%	40,899	16.4%	230,996	-2.7%
North York Central	2008	54,404		175,724		46,845		276,973	
	2013	54,506	0.2%	182,087	3.6%	52,182	11.4%	288,775	4.3%
	2018	52,925	-2.7%	184,189	4.8%	58,335	24.5%	295,450	6.7%
North York East	2008	27,742		77,652		17,747		123,141	
	2013	26,966	-2.8%	76,645	-1.3%	18,902	6.5%	122,513	-0.5%
	2018	25,708	-7.3%	75,260	-3.1%	20,782	17.1%	121,750	-1.1%

Source: Environics Analytics