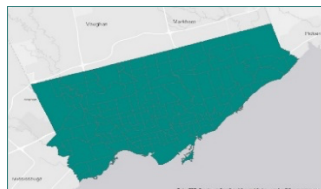


Sub-Region 703 North Toronto

Neighbourhoods	
32	Englemount-Lawrence
39	Bedford Park-Nortown
41	Bridle Path-Sunnybrook-York Mills
56	Leaside-Bennington
97	Yonge-St.Clair
99	Mount Pleasant East
100	Yonge-Eglinton
101	Forest Hill South
102	Forest Hill North
103	Lawrence Park South
104	Mount Pleasant West
105	Lawrence Park North
106	Humewood-Cedarvale





Primary Care Workforce Planning

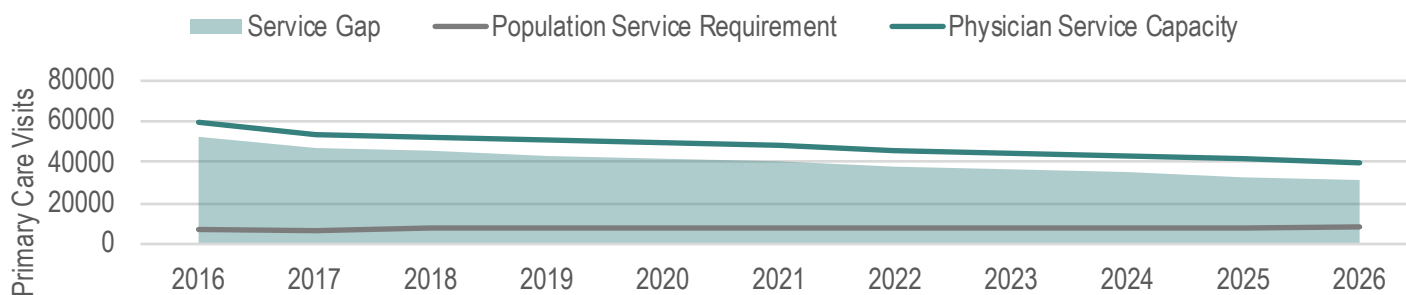
Neighbourhood Profile: Englemount-Lawrence



Ontario Health
Toronto



uOttawa



Need (2021)

7,757 Visits

Current State Gap (2021)

+39,987 Visits

Capacity (2021)

47,744 Visits

Need (2026)

8,391 Visits

Future State Gap (2026)

+31,393 Visits

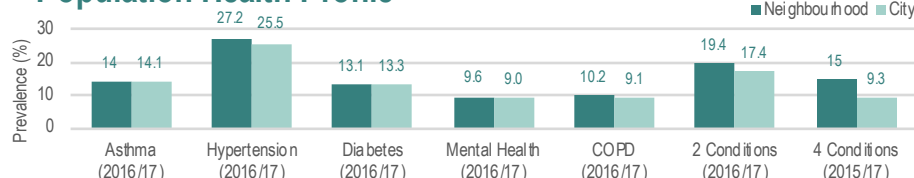
Capacity (2026)

39,784 Visits

Population (2016)

Children	Youth	Working Age	Seniors
4,795	3,035	10,815	3,745
21.4 %	13.6 %	48.3 %	16.7 %

Population Health Profile



Population Growth

Year	Population Estimates (Low-High)	Estimated Yearly Growth
2016	22,372	Neigh: 0.89 % - 1.38 %
2021	23,766 - 23,916	City: 1.60 % - 2.50 %
2026	25,161 - 25,460	

Ontario Marginalization Index (2016)

Indicator	Neigh. Quintile	City Quintile
Material Deprivation	4	4
Residential Instability	3	5
Dependency	2	1
Ethnic Concentration	4	5

Spatial Patterns of Utilization

Yearly Incoming Demand: 6,318 Non-Resident Visits

Yearly Outgoing Demand: 93,936 Resident Visits

Unmet Need for Primary Care

Indicator	Neigh.	City
PEM Attachment (%)	62.7	71.6
ACSC Hospitalization / 100,000	248.3	244.4
Low Urgency ED (%)	62.7	81.5

Primary Care Workforce Profile

Number of Comprehensive Primary Care Physicians		Average Weekly Hours Available	Year	Chiropractors	Dietitians	Midwives	NPs	OTs	Optometrists	Pharmacists	PTs	Psychologists	RNs	RPNs	RTs	SLPs
2016	12		2016	20	150	0	62	89	0	427	113	92	1,215	2,760	0	53
2017	8		2017	45	104	0	72	112	11	289	90	98	1,198	2,687	7	58
2017	8		2018	31	172	288	69	109	6	182	103	78	1,038	2,747	10	64



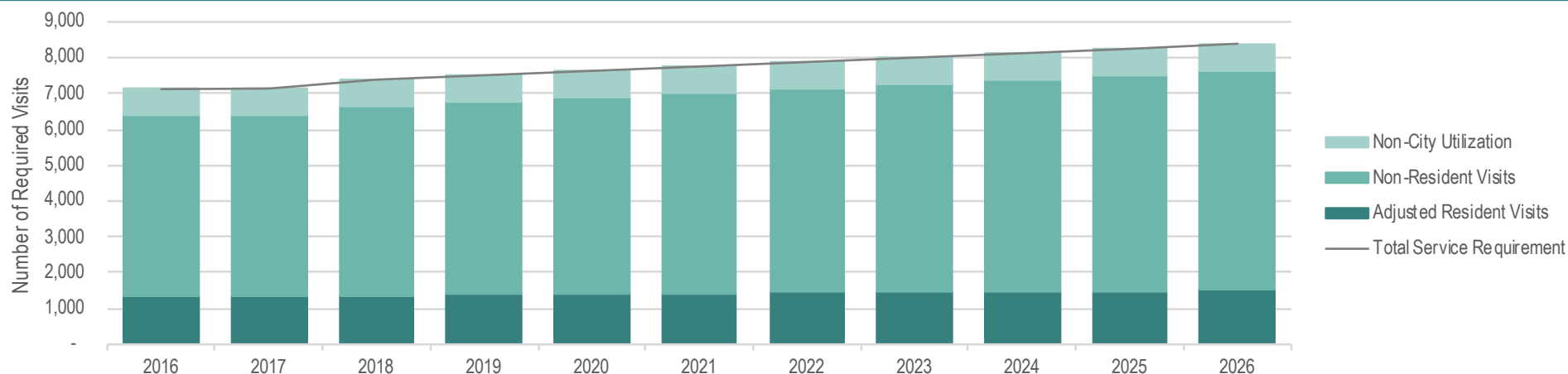
Primary Care Workforce Planning

Service Requirements Module: Englemount-Lawrence

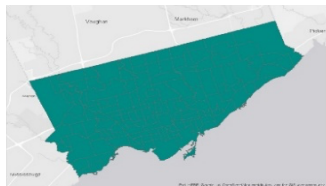
Examine the Sources of Service Requirements at a Neighbourhood Level

Total Service Requirements =

- 1 - Resident Visits:** Number of resident visits expected to be accessed in their neighbourhood of residence based on baseline spatial patterns of utilization
+
- 2 - Non-Resident Visits:** Number of non-resident visits expected to be accessed in the neighbourhood based on baseline spatial patterns of utilization
+
- 3 - Non-City Utilization:** Number of visits expected to be utilized by non-city residents in the neighbourhood based on baseline spatial patterns of utilization



	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	2026
Number of Residents	24,504	24,809	25,114	25,418	25,723	26,028	26,333	26,638	26,942	27,247	27,552
Resident Visits	89,823	90,471	92,058	93,175	94,292	95,409	96,527	97,644	98,761	99,879	100,996
Proportion of Care Accessed Within Home Neighbourhood	1.5%										
Resident Visits Adjusted for Spatial Patterns of Utilization	1,347	1,357	1,381	1,398	1,414	1,431	1,448	1,465	1,481	1,498	1,515
Non-Resident Visits	5,025	5,057	5,245	5,356	5,466	5,576	5,686	5,796	5,906	6,016	6,126
Non-City Utilization	750										
Total Service Requirement	7,123	7,164	7,376	7,503	7,630	7,757	7,884	8,010	8,137	8,264	8,391



Primary Care Workforce Planning

Service Capacity Module: Englemount-Lawrence

Examine the Sources of Service Capacity at a Neighbourhood Level

Total Service Capacity =

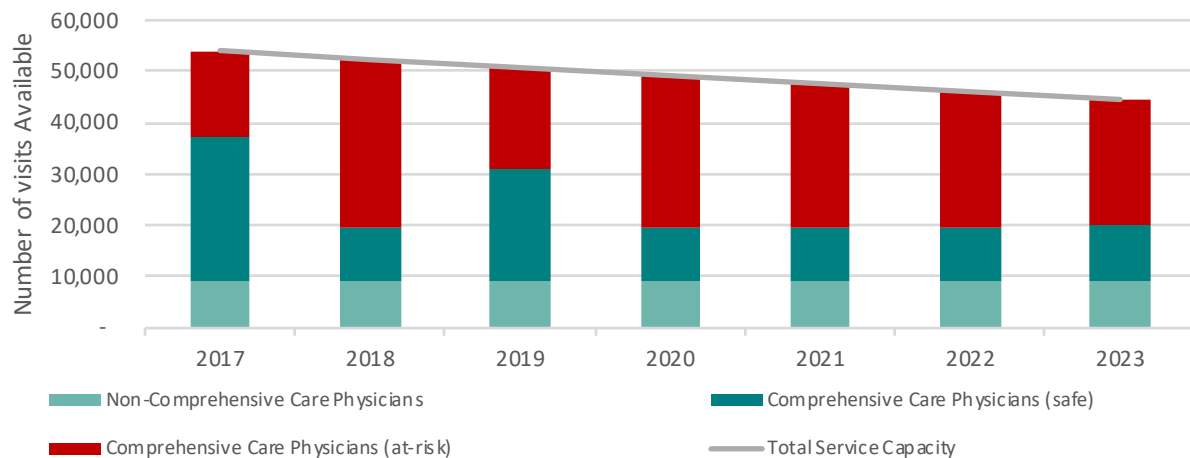
Comprehensive Care Physicians' Safe Service Capacity: Estimated number of services provided by comprehensive care physicians who are not expected to be at risk of exit from the workforce

+

Comprehensive Care Physicians' At-Risk Service Capacity: Estimated number of services provided by comprehensive care physicians who are considered to be at risk of exit from the workforce

+

Service Capacity Generated by Non-Comprehensive Care Physicians: Estimated number of services provided by non-comprehensive care physicians



Allied Health Professionals Average Weekly Hours Available

Profession	2016	2017	2018
Chiroprodists	20	45	31
Dieticians	150	104	172
Midwives	0	0	288
NPs	62	72	69
OTs	89	112	109
Optometrists	0	11	6
Pharmacists	427	289	182
PTs	113	90	103
Psychologists	92	98	78
RNs	1,215	1,198	1,038
RPNs	2,760	2,687	2,747
RTs	0	7	10
SLPs	53	58	64

Number of Comprehensive Primary Care Physicians

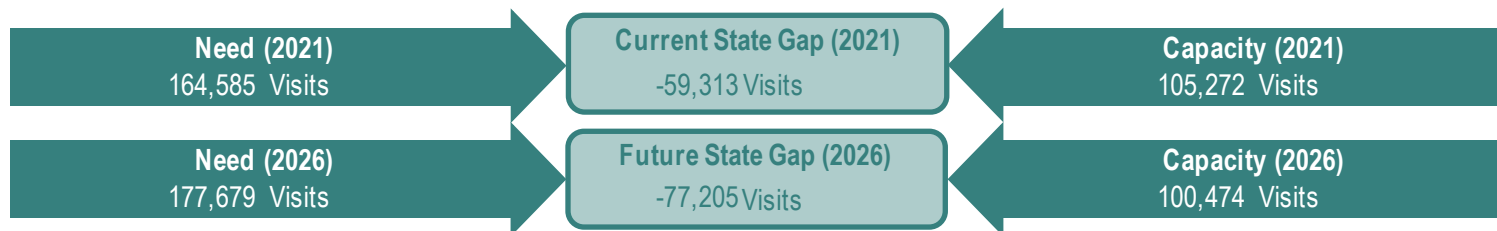
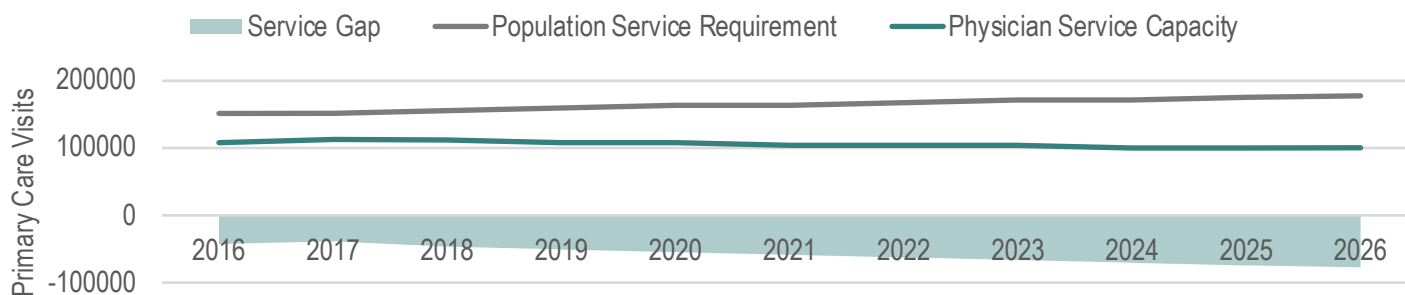
2016	12
2017	8

	2017	2018	2019	2020	2021	2022	2023
Comprehensive Care Physicians' Safe Service Capacity	27,749	10,005	21,684	10,243	10,362	10,481	10,600
Comprehensive Care Physicians' At-Risk Service Capacity	17,014	33,166	19,895	29,744	28,033	26,322	24,611
Non-Comprehensive Care Physicians' Service Capacity	9,349						
Total Service Capacity	54,112	52,520	50,928	49,336	47,744	46,152	44,560



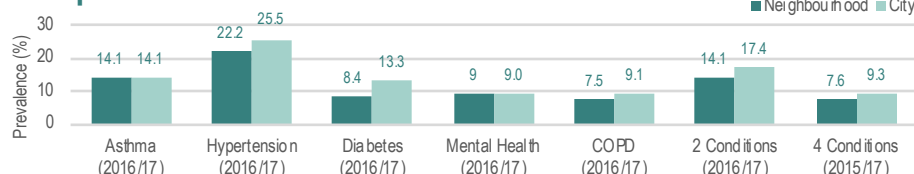
Primary Care Workforce Planning

Neighbourhood Profile: Bedford Park-Nortown



Population (2016)			
Children	Youth	Working Age	Seniors
4,550	3,205	11,490	3,995
19.6 %	13.8 %	49.5 %	17.2 %

Population Health Profile



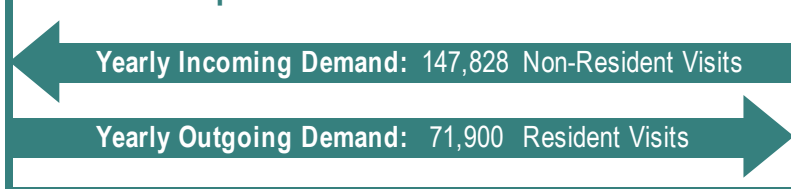
Population Growth

Year	Population Estimates (Low-High)	Estimated Yearly Growth
2016	23,236	Neigh: 0.24 % - 0.37 % City: 1.60 % - 2.50 %
2021	23,625 - 23,668	
2026	24,014 - 24,100	

Ontario Marginalization Index (2016)

Indicator	Neigh. Quintile	City Quintile
Material Deprivation	1	4
Residential Instability	1	5
Dependency	3	1
Ethnic Concentration	2	5

Spatial Patterns of Utilization



Unmet Need for Primary Care

Indicator	Neigh.	City
PEM Attachment (%)	64.8	71.6
ACSC Hospitalization / 100,000	88.1	244.4
Low Urgency ED (%)	61.6	81.5

Primary Care Workforce Profile

Number of Comprehensive Primary Care Physicians		Average Weekly Hours Available	Year	Chiropractors	Dietitians	Midwives	NPs	OTs	Optometrists	Pharmacists	PTs	Psychologists	RNs	RPNs	RTs	SLPs
2016	29		2016	78	32	0	0	0	0	766	163	74	53	253	0	144
2017	27		2017	89	45	0	0	3	111	811	179	97	110	243	0	153
			2018	89	48	0	0	8	119	210	109	97	63	184	0	150



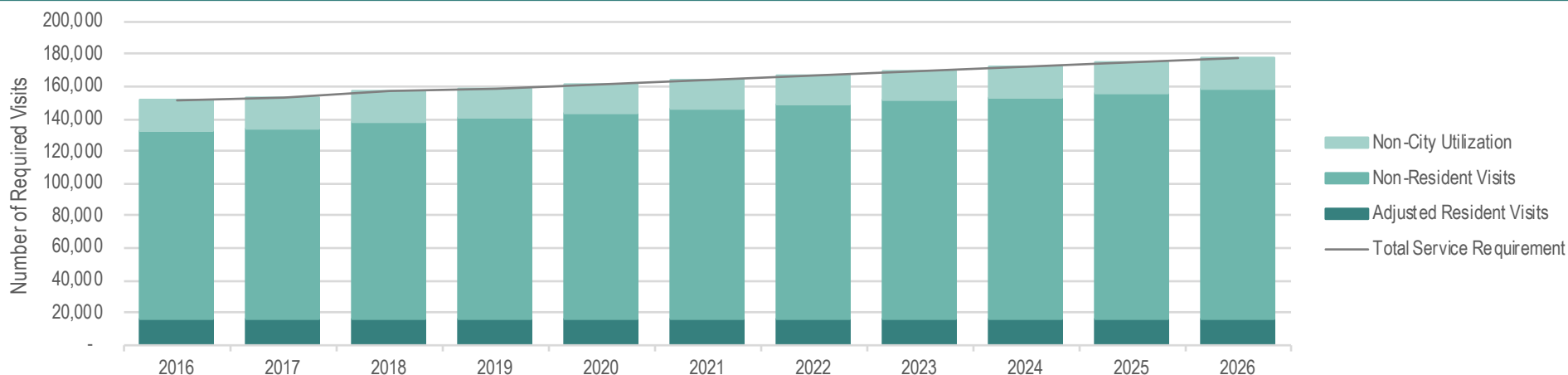
Primary Care Workforce Planning

Service Requirements Module: Bedford Park-Nortown

Examine the Sources of Service Requirements at a Neighbourhood Level

Total Service Requirements =

- 1 - Resident Visits:** Number of resident visits expected to be accessed in their neighbourhood of residence based on baseline spatial patterns of utilization
+
- 2 - Non-Resident Visits:** Number of non-resident visits expected to be accessed in the neighbourhood based on baseline spatial patterns of utilization
+
- 3 - Non-City Utilization:** Number of visits expected to be utilized by non-city residents in the neighbourhood based on baseline spatial patterns of utilization



	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	2026
Number of Residents	25,030	25,115	25,201	25,286	25,372	25,457	25,542	25,628	25,713	25,799	25,884
Resident Visits	86,997	88,018	87,590	87,887	88,184	88,481	88,778	89,074	89,371	89,668	89,965
Proportion of Care Accessed Within Home Neighbourhood	18.8%										
Resident Visits Adjusted for Spatial Patterns of Utilization	16,355	16,547	16,467	16,523	16,579	16,634	16,690	16,746	16,802	16,858	16,913
Non-Resident Visits	116,480	117,691	121,606	124,169	126,732	129,295	131,858	134,421	136,984	139,546	142,109
Non-City Utilization	18,656										
Total Service Requirement	151,491	152,894	156,729	159,348	161,966	164,585	167,204	169,823	172,441	175,060	177,679



Primary Care Workforce Planning

Service Capacity Module: Bedford Park-Nortown

Examine the Sources of Service Capacity at a Neighbourhood Level

Total Service Capacity =

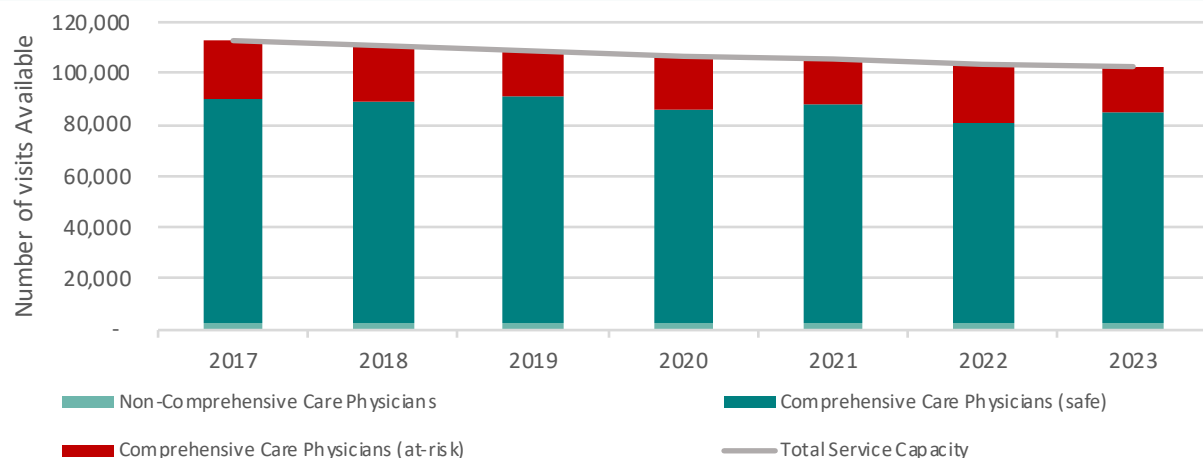
Comprehensive Care Physicians' Safe Service Capacity: Estimated number of services provided by comprehensive care physicians who are not expected to be at risk of exit from the workforce

+

Comprehensive Care Physicians' At-Risk Service Capacity: Estimated number of services provided by comprehensive care physicians who are considered to be at risk of exit from the workforce

+

Service Capacity Generated by Non-Comprehensive Care Physicians: Estimated number of services provided by non-comprehensive care physicians



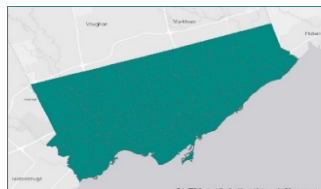
Allied Health Professionals Average Weekly Hours Available

Profession	2016	2017	2018
Chiroprodists	78	89	89
Dieticians	32	45	48
Midwives	0	0	0
NPs	0	0	0
OTs	0	3	8
Optometrists	0	111	119
Pharmacists	766	811	210
PTs	163	179	109
Psychologists	74	97	97
RNs	53	110	63
RPNs	253	243	184
RTs	0	0	0
SLPs	144	153	150

Number of Comprehensive Primary Care Physicians

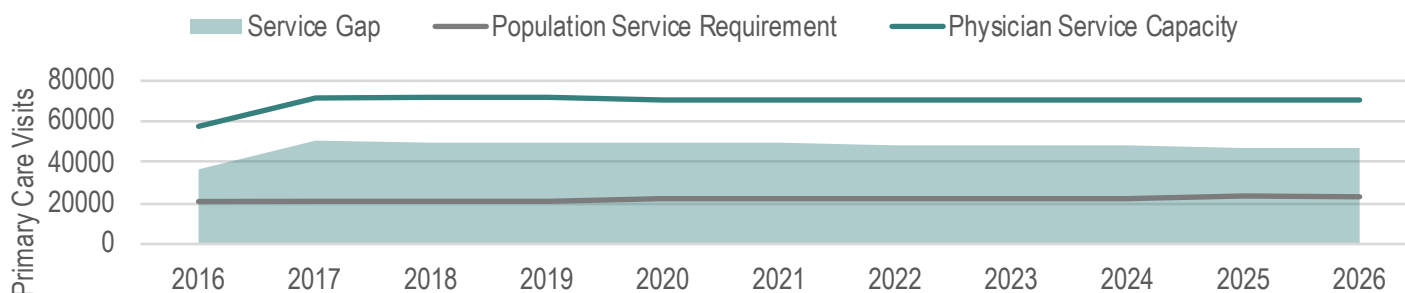
2016	29
2017	27

	2017	2018	2019	2020	2021	2022	2023
Comprehensive Care Physicians' Safe Service Capacity	87,831	86,282	87,965	82,703	85,622	78,428	82,112
Comprehensive Care Physicians' At-Risk Service Capacity	22,238	21,893	18,316	21,684	16,871	22,563	17,818
Non-Comprehensive Care Physicians' Service Capacity	2,779						
Total Service Capacity	112,848	110,954	109,060	107,166	105,272	103,770	102,709



Primary Care Workforce Planning

Neighbourhood Profile: Bridle Path-Sunnybrook-York Mills



Need (2021)
21,993 Visits

Current State Gap (2021)
+49,033 Visits

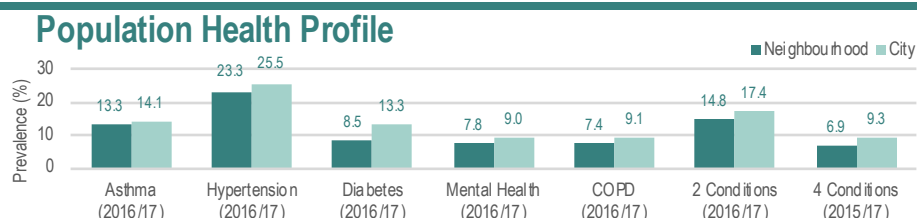
Capacity (2021)
71,026 Visits

Need (2026)
23,146 Visits

Future State Gap (2026)
+47,487 Visits

Capacity (2026)
70,633 Visits

Population (2016)			
Children	Youth	Working Age	Seniors
1,450	1,420	4,615	1,800
15.7 %	15.3 %	49.8 %	19.4 %



Population Growth

Year	Population Estimates (Low-High)	Estimated Yearly Growth
2016	9,266	Neigh: 0.16 % - 0.24 %
2021	9,368 - 9,378	City: 1.60 % - 2.50 %
2026	9,470 - 9,490	

Ontario Marginalization Index (2016)

Indicator	Neigh. Quintile	City Quintile
Material Deprivation	1	4
Residential Instability	1	5
Dependency	4	1
Ethnic Concentration	2	5

Spatial Patterns of Utilization

Yearly Incoming Demand: 21,944 Non-Resident Visits

Yearly Outgoing Demand: 33,476 Resident Visits

Unmet Need for Primary Care

Indicator	Neigh.	City
PEM Attachment (%)	66.9	71.6
ACSC Hospitalization / 100,000	129.1	244.4
Low Urgency ED (%)	59.7	81.5

Primary Care Workforce Profile

Number of Comprehensive Primary Care Physicians		Average Weekly Hours Available	Year	Chiropractors	Dietitians	Midwives	NPs	OTs	Optometrists	Pharmacists	PTs	Psychologists	RNs	RPNs	RTs	SLPs
2016	20		2016	28	106	0	32	218	0	485	122	60	2,455	3,182	0	231
2017	19		2017	24	73	0	49	176	16	445	123	72	2,476	3,793	14	235
2018	19		2018	21	144	0	70	163	13	128	65	50	2,533	3,496	0	198



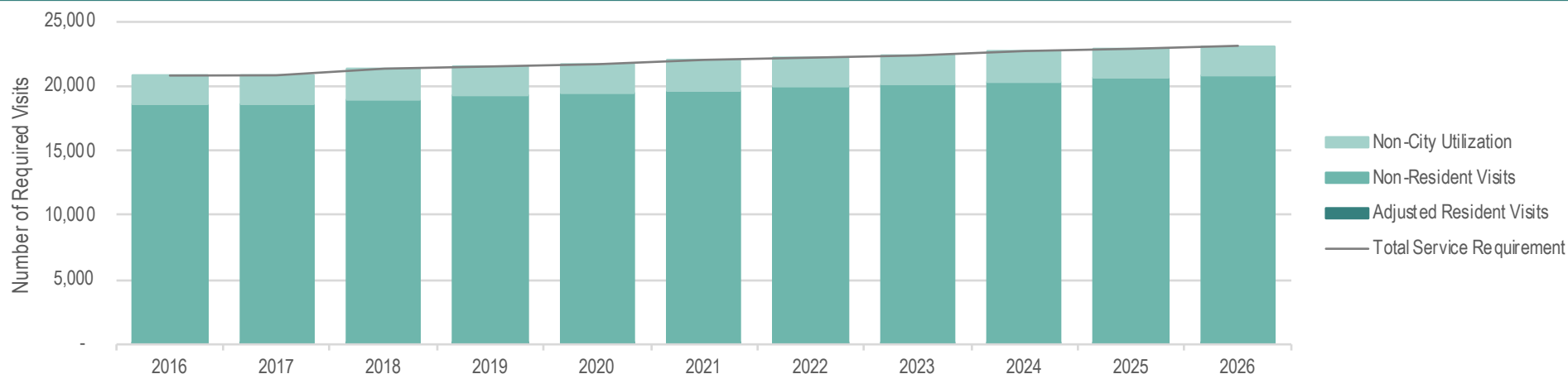
Primary Care Workforce Planning

Service Requirements Module: Bridle Path-Sunnybrook-York Mills

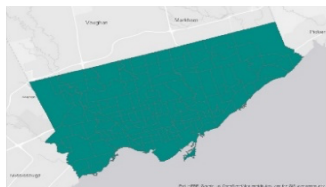
Examine the Sources of Service Requirements at a Neighbourhood Level

Total Service Requirements =

- 1 - Resident Visits:** Number of resident visits expected to be accessed in their neighbourhood of residence based on baseline spatial patterns of utilization
+
- 2 - Non-Resident Visits:** Number of non-resident visits expected to be accessed in the neighbourhood based on baseline spatial patterns of utilization
+
- 3 - Non-City Utilization:** Number of visits expected to be utilized by non-city residents in the neighbourhood based on baseline spatial patterns of utilization



	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	2026
Number of Residents	9,677	9,699	9,722	9,744	9,767	9,789	9,811	9,834	9,856	9,879	9,901
Resident Visits	33,155	32,910	33,308	33,385	33,462	33,538	33,615	33,692	33,769	33,845	33,922
Proportion of Care Accessed Within Home Neighbourhood	0.1%										
Resident Visits Adjusted for Spatial Patterns of Utilization	33	33	33	33	33	34	34	34	34	34	34
Non-Resident Visits	18,551	18,608	19,012	19,242	19,472	19,703	19,933	20,164	20,394	20,624	20,855
Non-City Utilization	2,257										
Total Service Requirement	20,841	20,897	21,302	21,532	21,763	21,993	22,224	22,454	22,685	22,915	23,146



Primary Care Workforce Planning

Service Capacity Module: Bridle Path-Sunnybrook-York Mills

Examine the Sources of Service Capacity at a Neighbourhood Level

Total Service Capacity =

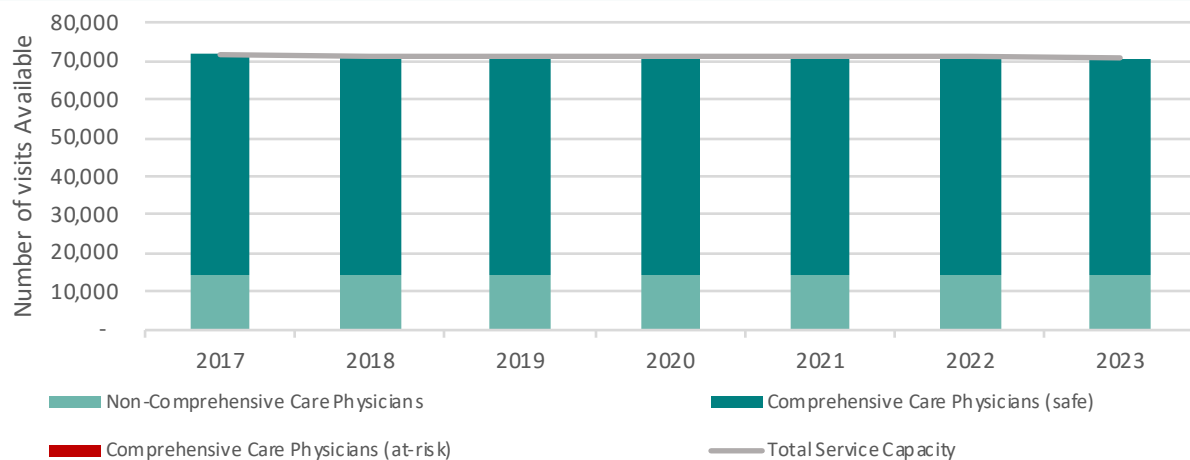
Comprehensive Care Physicians' Safe Service Capacity: Estimated number of services provided by comprehensive care physicians who are not expected to be at risk of exit from the workforce

+

Comprehensive Care Physicians' At-Risk Service Capacity: Estimated number of services provided by comprehensive care physicians who are considered to be at risk of exit from the workforce

+

Service Capacity Generated by Non-Comprehensive Care Physicians: Estimated number of services provided by non-comprehensive care physicians



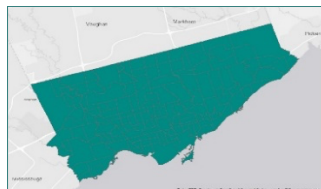
Allied Health Professionals Average Weekly Hours Available

Profession	2016	2017	2018
Chiropractors	28	24	21
Dieticians	106	73	144
Midwives	0	0	0
NPs	32	49	70
OTs	218	176	163
Optometrists	0	16	13
Pharmacists	485	445	128
PTs	122	123	65
Psychologists	60	72	50
RNs	2,455	2,476	2,533
RPNs	3,182	3,793	3,496
RTs	0	14	0
SLPs	231	235	198

Number of Comprehensive Primary Care Physicians

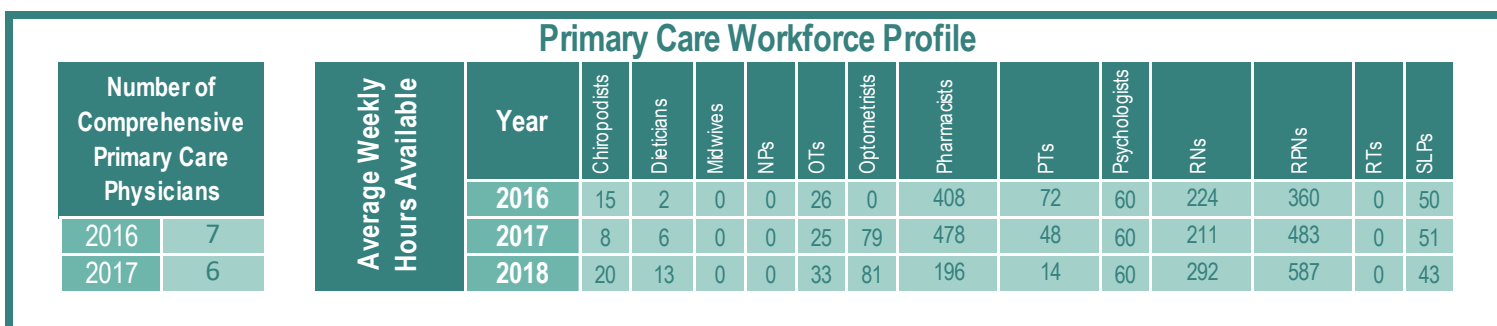
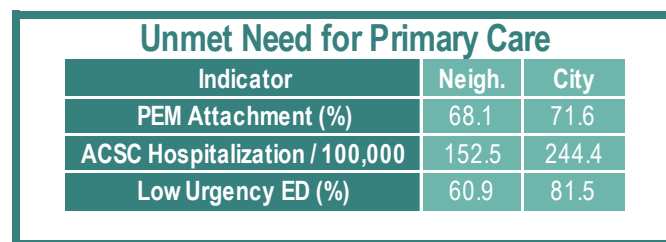
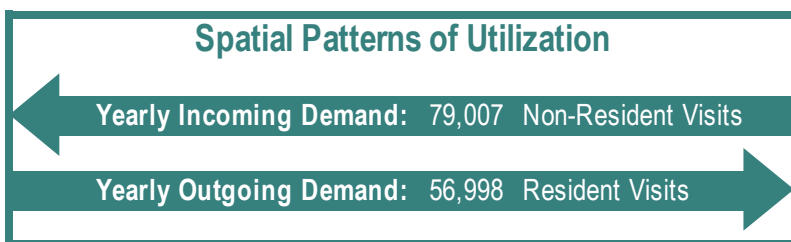
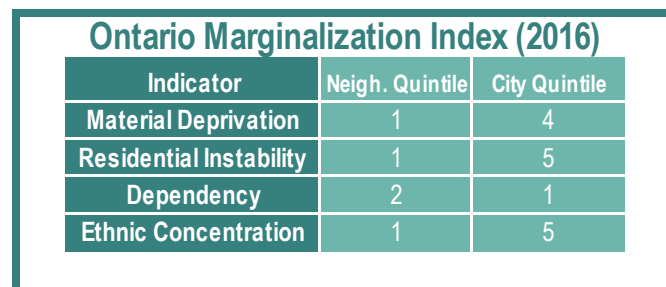
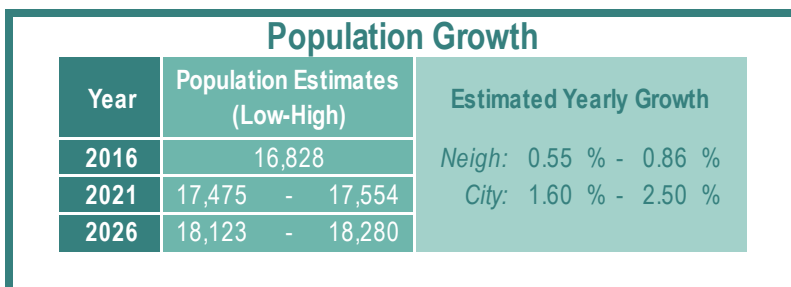
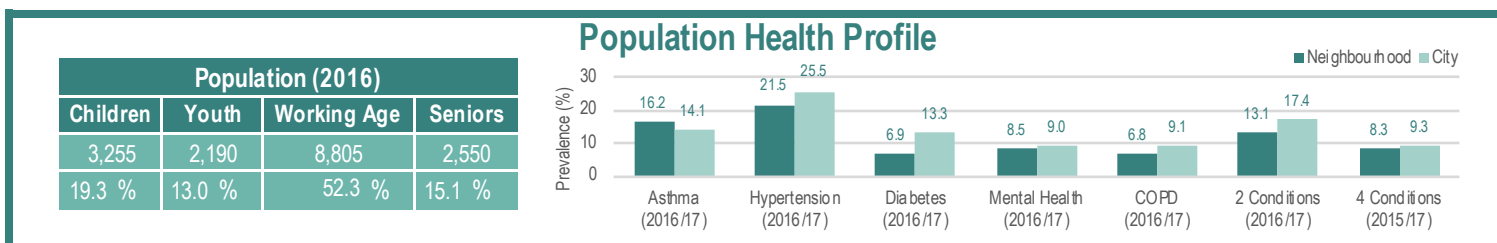
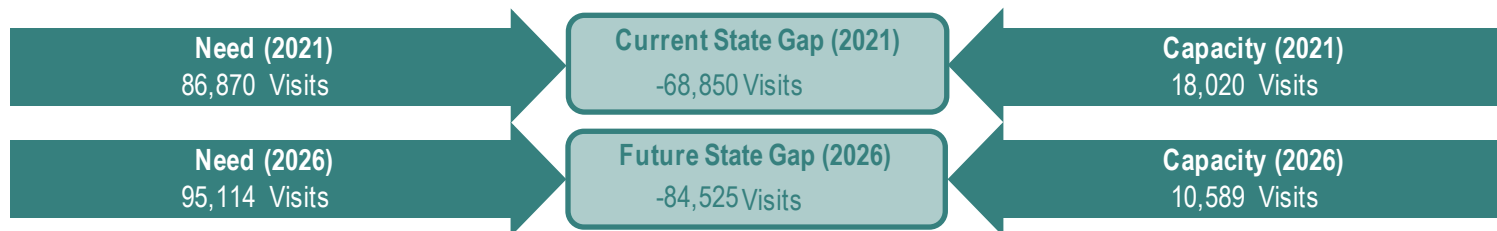
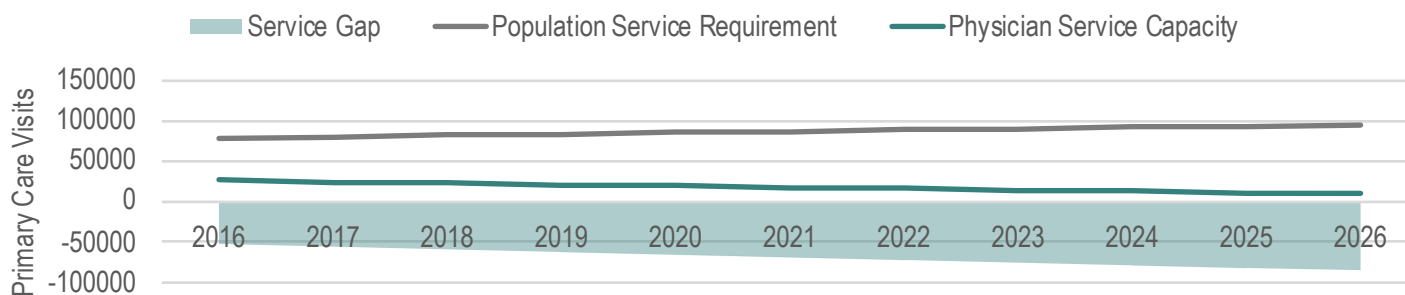
2016	20
2017	19

	2017	2018	2019	2020	2021	2022	2023
Comprehensive Care Physicians' Safe Service Capacity	56,963	56,824	56,685	56,546	56,407	55,758	56,129
Comprehensive Care Physicians' At-Risk Service Capacity	0	0	0	0	0	510	0
Non-Comprehensive Care Physicians' Service Capacity	14,619						
Total Service Capacity	71,582	71,443	71,304	71,165	71,026	70,887	70,748



Primary Care Workforce Planning

Neighbourhood Profile: Leaside-Bennington





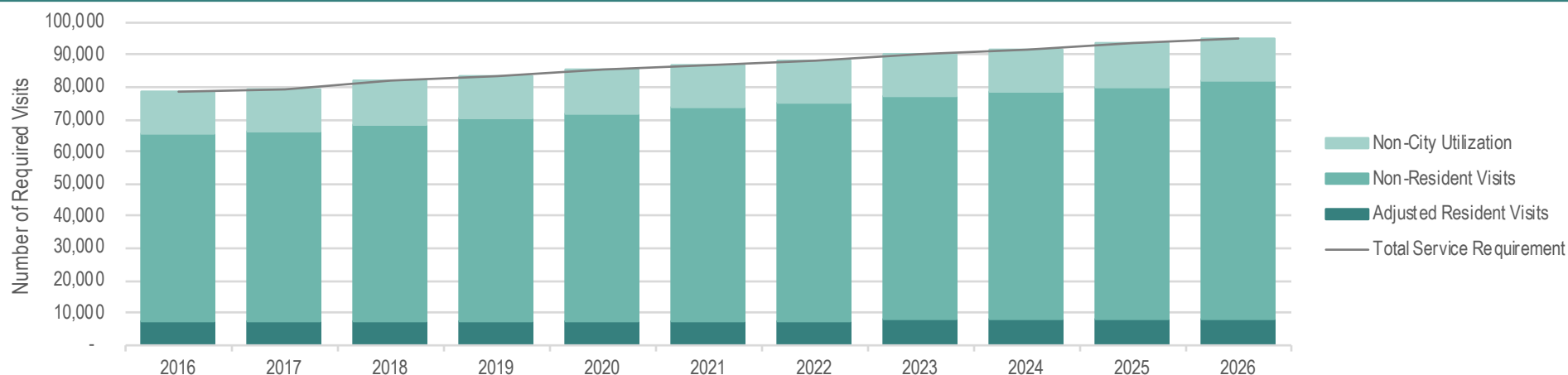
Primary Care Workforce Planning

Service Requirements Module: Leaside-Bennington

Examine the Sources of Service Requirements at a Neighbourhood Level

Total Service Requirements =

- 1 - Resident Visits:** Number of resident visits expected to be accessed in their neighbourhood of residence based on baseline spatial patterns of utilization
+
- 2 - Non-Resident Visits:** Number of non-resident visits expected to be accessed in the neighbourhood based on baseline spatial patterns of utilization
+
- 3 - Non-City Utilization:** Number of visits expected to be utilized by non-city residents in the neighbourhood based on baseline spatial patterns of utilization



	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	2026
Number of Residents	18,140	18,283	18,426	18,570	18,713	18,856	18,999	19,142	19,286	19,429	19,572
Resident Visits	62,328	62,633	63,312	63,804	64,296	64,788	65,280	65,772	66,264	66,756	67,248
Proportion of Care Accessed Within Home Neighbourhood	12.0%										
Resident Visits Adjusted for Spatial Patterns of Utilization	7,479	7,516	7,597	7,656	7,715	7,775	7,834	7,893	7,952	8,011	8,070
Non-Resident Visits	57,924	58,539	61,103	62,693	64,282	65,872	67,462	69,051	70,641	72,230	73,820
Non-City Utilization	13,224										
Total Service Requirement	78,627	79,279	81,924	83,573	85,222	86,870	88,519	90,168	91,816	93,465	95,114



Primary Care Workforce Planning

Service Capacity Module: Leaside-Bennington

Examine the Sources of Service Capacity at a Neighbourhood Level

Total Service Capacity =

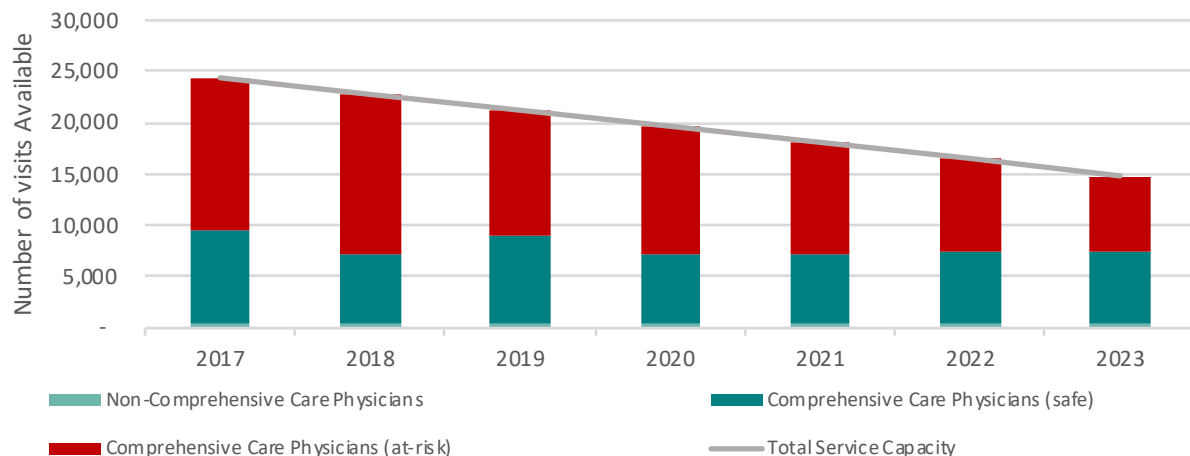
Comprehensive Care Physicians' Safe Service Capacity: Estimated number of services provided by comprehensive care physicians who are not expected to be at risk of exit from the workforce

+

Comprehensive Care Physicians' At-Risk Service Capacity: Estimated number of services provided by comprehensive care physicians who are considered to be at risk of exit from the workforce

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Service Capacity Generated by Non-Comprehensive Care Physicians: Estimated number of services provided by non-comprehensive care physicians



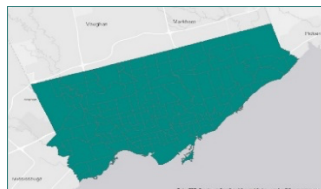
Allied Health Professionals Average Weekly Hours Available

Profession	2016	2017	2018
Chiropractors	15	8	20
Dieticians	2	6	13
Midwives	0	0	0
NPs	0	0	0
OTs	26	25	33
Optometrists	0	79	81
Pharmacists	408	478	196
PTs	72	48	14
Psychologists	60	60	60
RNs	224	211	292
RPNs	360	483	587
RTs	0	0	0
SLPs	50	51	43

Number of Comprehensive Primary Care Physicians

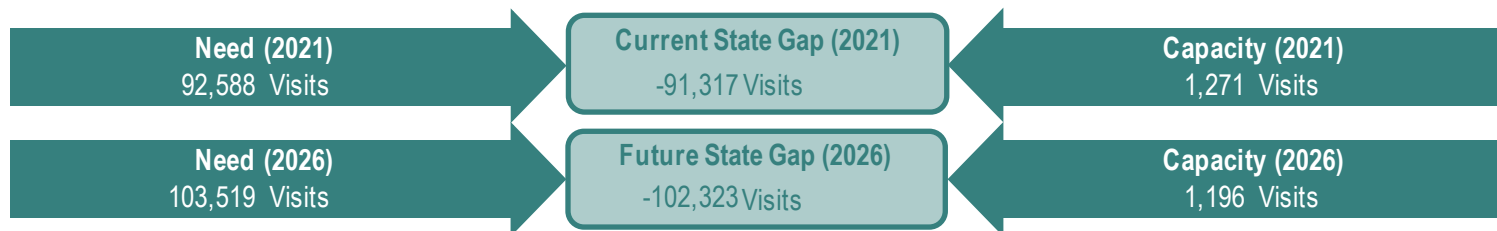
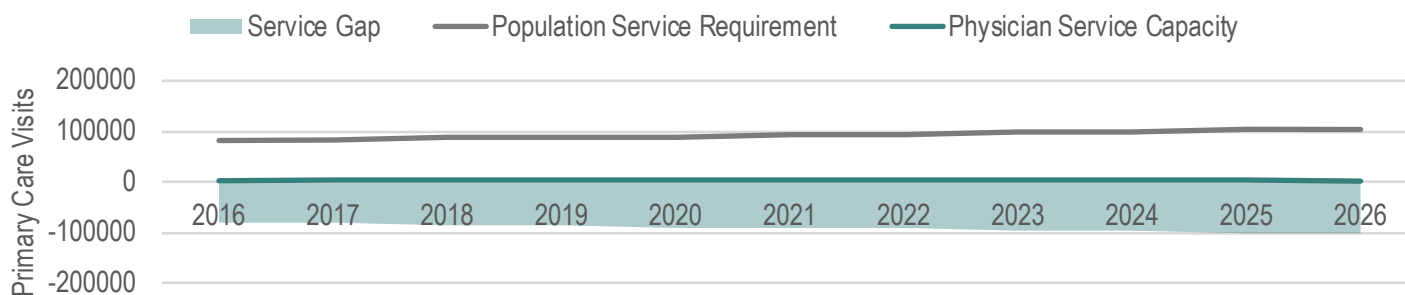
2016	7
2017	6

	2017	2018	2019	2020	2021	2022	2023
Comprehensive Care Physicians' Safe Service Capacity	9,105	6,870	8,673	6,930	6,960	6,990	7,020
Comprehensive Care Physicians' At-Risk Service Capacity	14,957	15,598	12,201	12,350	10,726	9,102	7,478
Non-Comprehensive Care Physicians' Service Capacity	334						
Total Service Capacity	24,396	22,802	21,208	19,614	18,020	16,426	14,832



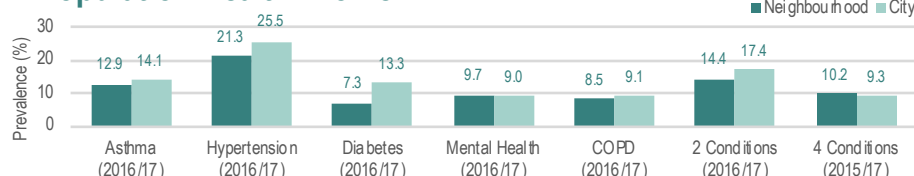
Primary Care Workforce Planning

Neighbourhood Profile: Yonge-St. Clair



Population (2016)			
Children	Youth	Working Age	Seniors
1,205	910	7,495	2,905
9.6 %	7.3 %	59.8 %	23.2 %

Population Health Profile



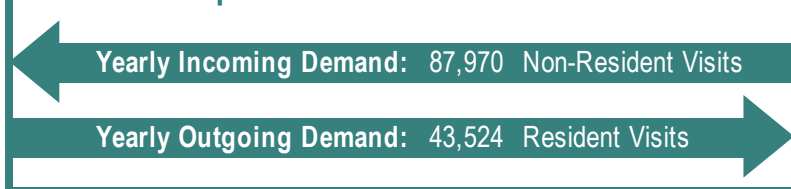
Population Growth

Year	Population Estimates (Low-High)	Estimated Yearly Growth
2016	12,528	Neigh: 1.03 % - 1.61 % City: 1.60 % - 2.50 %
2021	13,427 - 13,537	
2026	14,327 - 14,545	

Ontario Marginalization Index (2016)

Indicator	Neigh. Quintile	City Quintile
Material Deprivation	1	4
Residential Instability	5	5
Dependency	4	1
Ethnic Concentration	1	5

Spatial Patterns of Utilization



Unmet Need for Primary Care

Indicator	Neigh.	City
PEM Attachment (%)	71.6	71.6
ACSC Hospitalization / 100,000	206.7	244.4
Low Urgency ED (%)	71.0	81.5

Primary Care Workforce Profile

Number of Comprehensive Primary Care Physicians		Average Weekly Hours Available	Year	Chiropractors	Dietitians	Midwives	NPs	OTs	Optometrists	Pharmacists	PTs	Psychologists	RNs	RPNs	RTs	SLPs
2016	(1-5)			24	2	0	0	0	0	34	50	82	65	175	0	53
2017	(1-5)			21	0	0	0	14	10	37	85	91	44	135	0	60
2018	(1-5)			23	0	0	0	20	0	36	25	109	37	179	0	28



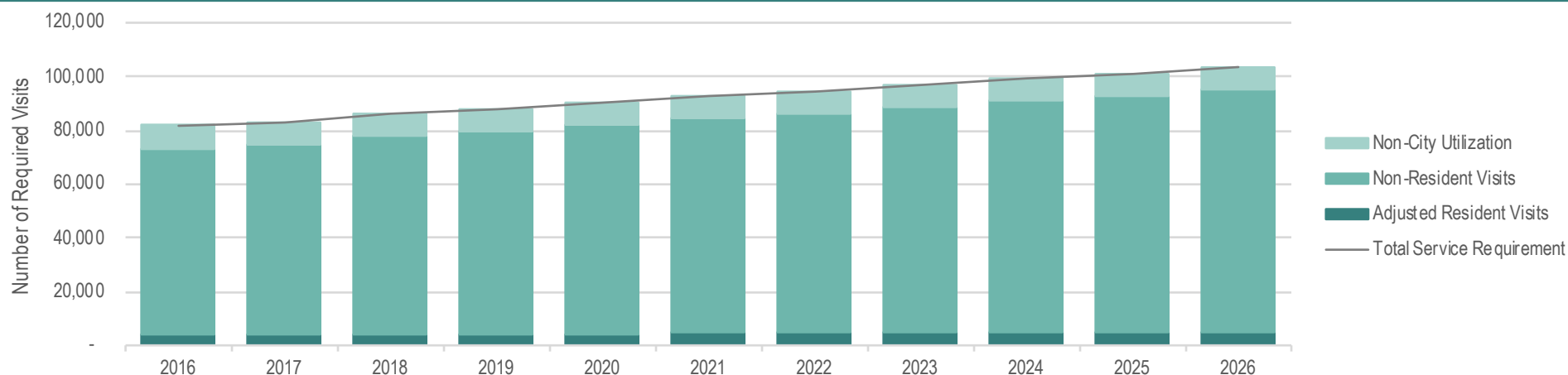
Primary Care Workforce Planning

Service Requirements Module: Yonge-St.Clair

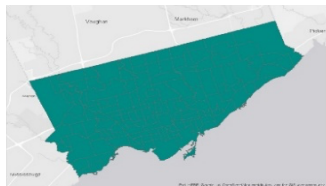
Examine the Sources of Service Requirements at a Neighbourhood Level

Total Service Requirements =

- 1 - Resident Visits:** Number of resident visits expected to be accessed in their neighbourhood of residence based on baseline spatial patterns of utilization
 +
2 - Non-Resident Visits: Number of non-resident visits expected to be accessed in the neighbourhood based on baseline spatial patterns of utilization
 +
3 - Non-City Utilization: Number of visits expected to be utilized by non-city residents in the neighbourhood based on baseline spatial patterns of utilization



	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	2026
Number of Residents	11,981	12,179	12,377	12,576	12,774	12,972	13,170	13,368	13,567	13,765	13,963
Resident Visits	44,282	46,061	45,748	46,480	47,213	47,945	48,678	49,410	50,143	50,875	51,608
Proportion of Care Accessed Within Home Neighbourhood	9.4%										
Resident Visits Adjusted for Spatial Patterns of Utilization	4,163	4,330	4,300	4,369	4,438	4,507	4,576	4,645	4,713	4,782	4,851
Non-Resident Visits	69,150	70,045	73,384	75,502	77,619	79,737	81,854	83,972	86,089	88,206	90,324
Non-City Utilization	8,344										
Total Service Requirement	81,656	82,718	86,029	88,215	90,401	92,588	94,774	96,960	99,146	101,333	103,519



Primary Care Workforce Planning

Service Capacity Module: Yonge-St.Clair

Examine the Sources of Service Capacity at a Neighbourhood Level

Total Service Capacity =

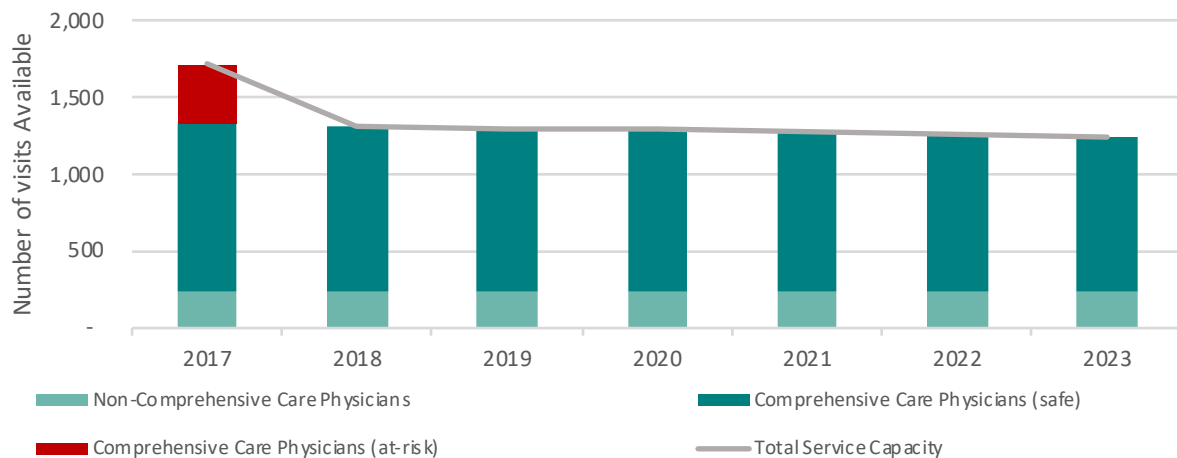
Comprehensive Care Physicians' Safe Service Capacity: Estimated number of services provided by comprehensive care physicians who are not expected to be at risk of exit from the workforce

+

Comprehensive Care Physicians' At-Risk Service Capacity: Estimated number of services provided by comprehensive care physicians who are considered to be at risk of exit from the workforce

+

Service Capacity Generated by Non-Comprehensive Care Physicians: Estimated number of services provided by non-comprehensive care physicians



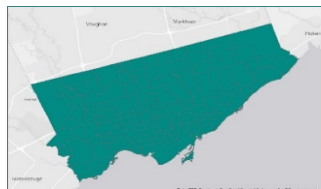
Allied Health Professionals Average Weekly Hours Available

Profession	2016	2017	2018
Chiroprodists	24	21	23
Dieticians	2	0	0
Midwives	0	0	0
NPs	0	0	0
OTs	0	14	20
Optometrists	0	10	0
Pharmacists	34	37	36
PTs	50	85	25
Psychologists	82	91	109
RNs	65	44	37
RPNs	175	135	179
RTs	0	0	0
SLPs	53	60	28

Number of Comprehensive Primary Care Physicians

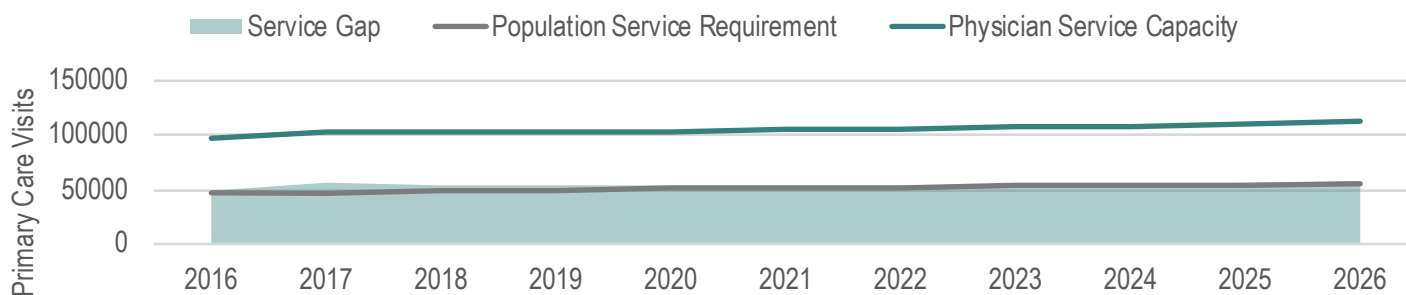
2016	(1-5)
2017	(1-5)

	2017	2018	2019	2020	2021	2022	2023
Comprehensive Care Physicians' Safe Service Capacity	1,094	1,079	1,064	1,049	1,034	1,019	1,004
Comprehensive Care Physicians' At-Risk Service Capacity	387	0	0	0	0	0	0
Non-Comprehensive Care Physicians' Service Capacity	237						
Total Service Capacity	1,718	1,316	1,301	1,286	1,271	1,256	1,241



Primary Care Workforce Planning

Neighbourhood Profile: Mount Pleasant East



Need (2021)
51,226 Visits

Current State Gap (2021)
+53,174 Visits

Capacity (2021)
104,400 Visits

Need (2026)
55,400 Visits

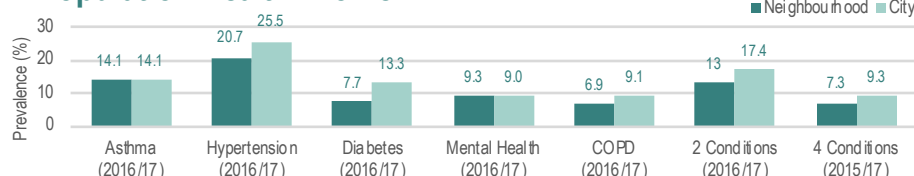
Future State Gap (2026)
+57,461 Visits

Capacity (2026)
112,861 Visits

Population (2016)

Children	Youth	Working Age	Seniors
2,990	1,705	9,625	2,465
17.8 %	10.2 %	57.3 %	14.7 %

Population Health Profile



Population Growth

Year	Population Estimates (Low-High)	Estimated Yearly Growth
2016	16,775	Neigh: 0.53 % - 0.83 % City: 1.60 % - 2.50 %
2021	17,400 - 17,475	
2026	18,026 - 18,175	

Ontario Marginalization Index (2016)

Indicator	Neigh. Quintile	City Quintile
Material Deprivation	1	4
Residential Instability	3	5
Dependency	2	1
Ethnic Concentration	2	5

Spatial Patterns of Utilization

Yearly Incoming Demand: 44,696 Non-Resident Visits

Yearly Outgoing Demand: 53,664 Resident Visits

Unmet Need for Primary Care

Indicator	Neigh.	City
PEM Attachment (%)	67.8	71.6
ACSC Hospitalization / 100,000	123.4	244.4
Low Urgency ED (%)	55.6	81.5

Primary Care Workforce Profile

Number of Comprehensive Primary Care Physicians		Average Weekly Hours Available	Year	Chiropractors	Dietitians	Midwives	NPs	OTs	Optometrists	Pharmacists	PTs	Psychologists	RNs	RPNs	RTs	SLPs
				2016	2017	2018	2016	2017	2018	2016	2017	2018	2016	2017	2018	2016
2016	38		2016	65	0	0	0	68	0	179	2,159	176	102	343	0	63
2017	33		2017	59	15	0	0	50	177	217	2,144	176	68	375	0	69
2018			2018	43	15	0	13	63	170	132	633	180	80	354	22	76



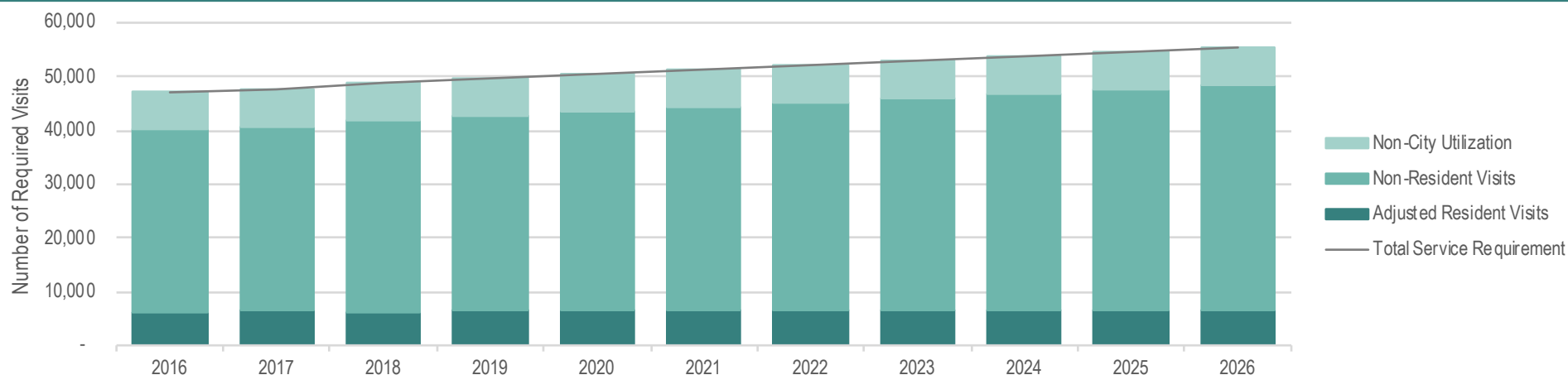
Primary Care Workforce Planning

Service Requirements Module: Mount Pleasant East

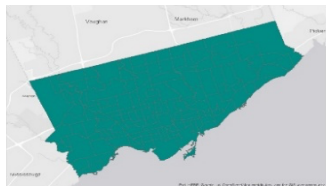
Examine the Sources of Service Requirements at a Neighbourhood Level

Total Service Requirements =

- 1 - Resident Visits:** Number of resident visits expected to be accessed in their neighbourhood of residence based on baseline spatial patterns of utilization
+
- 2 - Non-Resident Visits:** Number of non-resident visits expected to be accessed in the neighbourhood based on baseline spatial patterns of utilization
+
- 3 - Non-City Utilization:** Number of visits expected to be utilized by non-city residents in the neighbourhood based on baseline spatial patterns of utilization



	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	2026
Number of Residents	16,893	17,031	17,168	17,306	17,443	17,581	17,718	17,856	17,993	18,131	18,268
Resident Visits	57,754	58,853	58,694	59,164	59,634	60,104	60,574	61,044	61,514	61,984	62,454
Proportion of Care Accessed Within Home Neighbourhood	10.8%										
Resident Visits Adjusted for Spatial Patterns of Utilization	6,237	6,356	6,339	6,390	6,440	6,491	6,542	6,593	6,644	6,694	6,745
Non-Resident Visits	33,945	34,295	35,512	36,296	37,080	37,864	38,648	39,432	40,216	41,000	41,784
Non-City Utilization	6,871										
Total Service Requirement	47,053	47,522	48,722	49,557	50,392	51,226	52,061	52,896	53,730	54,565	55,400



Primary Care Workforce Planning

Service Capacity Module: Mount Pleasant East

Examine the Sources of Service Capacity at a Neighbourhood Level

Total Service Capacity =

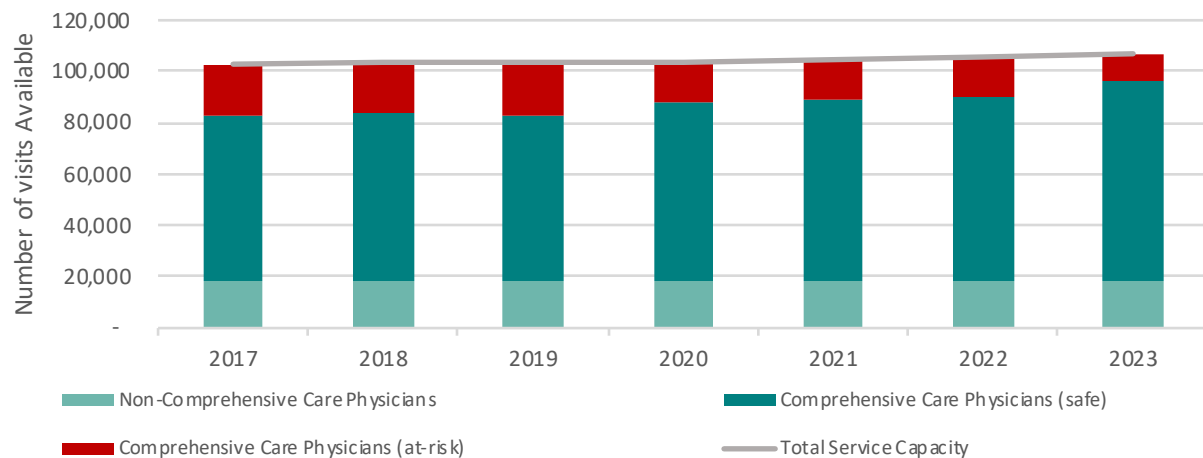
Comprehensive Care Physicians' Safe Service Capacity: Estimated number of services provided by comprehensive care physicians who are not expected to be at risk of exit from the workforce

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Comprehensive Care Physicians' At-Risk Service Capacity: Estimated number of services provided by comprehensive care physicians who are considered to be at risk of exit from the workforce

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Service Capacity Generated by Non-Comprehensive Care Physicians: Estimated number of services provided by non-comprehensive care physicians



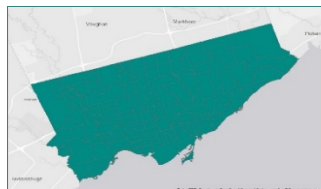
Allied Health Professionals Average Weekly Hours Available

Profession	2016	2017	2018
Chiropractors	65	59	43
Dieticians	0	15	15
Midwives	0	0	0
NPs	0	0	13
OTs	68	50	63
Optometrists	0	177	170
Pharmacists	179	217	132
PTs	2,159	2,144	633
Psychologists	176	176	180
RNs	102	68	80
RPNs	343	375	354
RTs	0	0	22
SLPs	63	69	76

Number of Comprehensive Primary Care Physicians

2016	38
2017	33

	2017	2018	2019	2020	2021	2022	2023
Comprehensive Care Physicians' Safe Service Capacity	64,428	65,872	64,172	69,564	70,784	71,671	77,463
Comprehensive Care Physicians' At-Risk Service Capacity	20,085	18,981	21,021	15,969	15,240	15,376	11,104
Non-Comprehensive Care Physicians' Service Capacity	18,376						
Total Service Capacity	102,889	103,229	103,569	103,909	104,400	105,423	106,943



Primary Care Workforce Planning

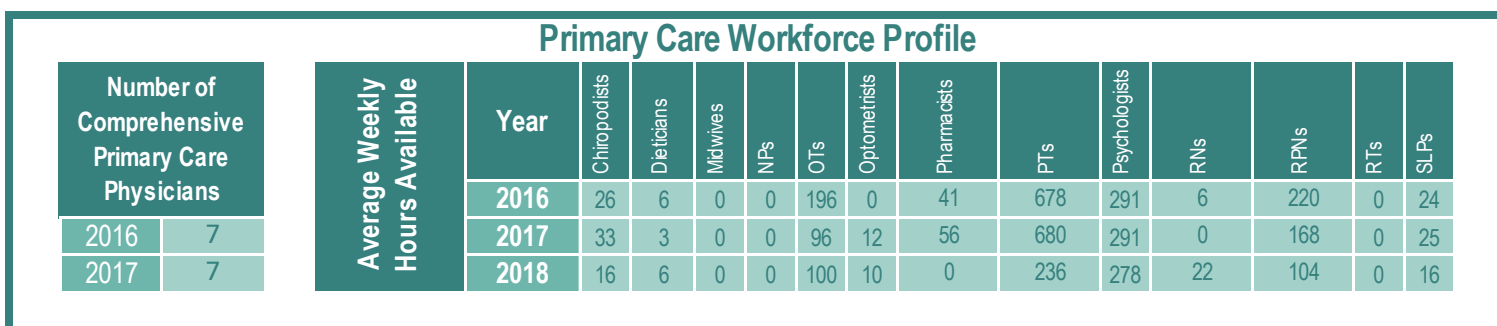
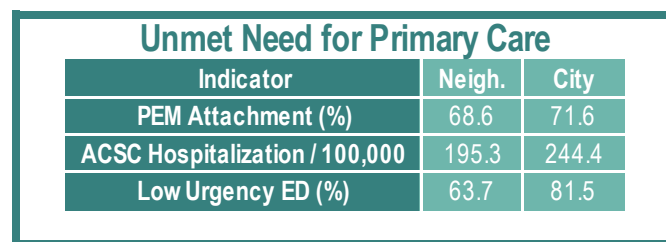
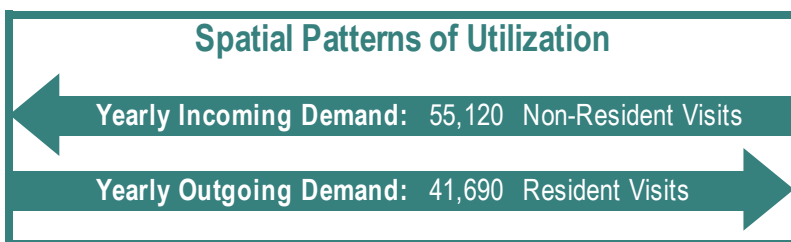
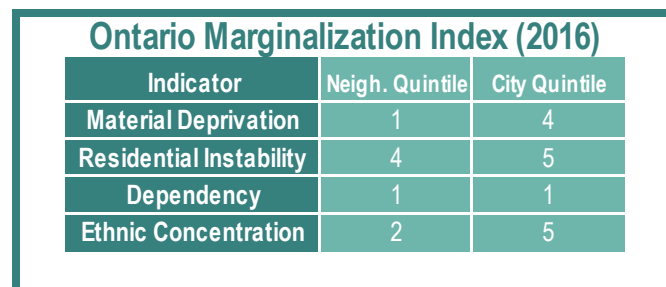
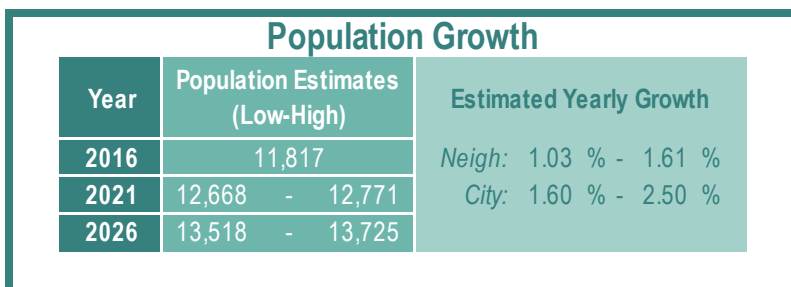
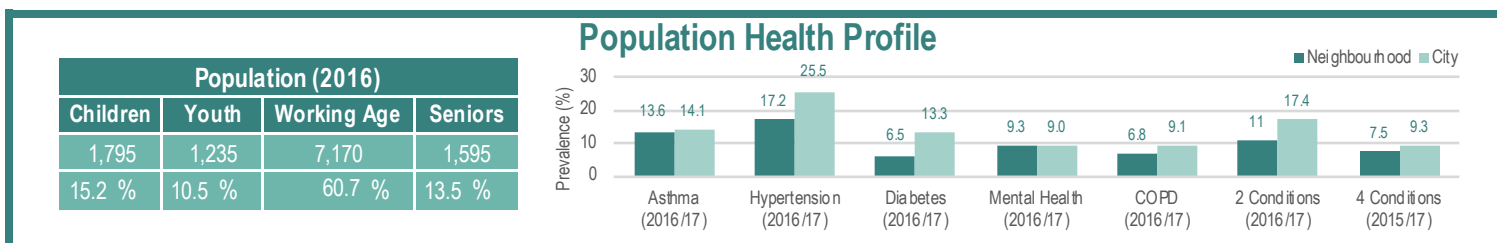
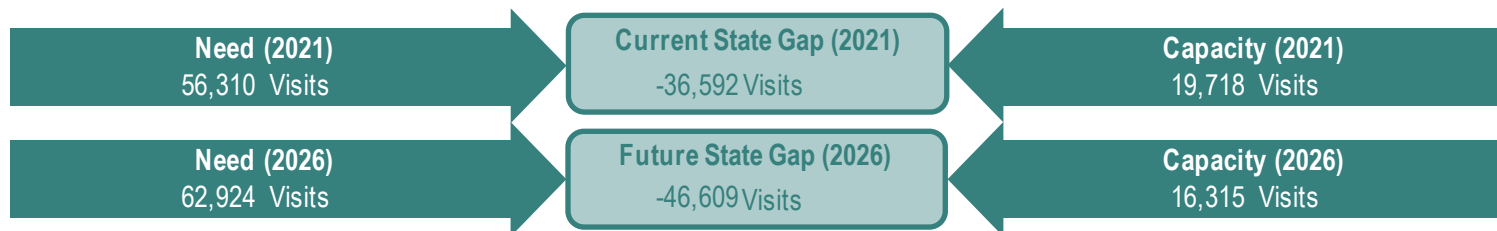
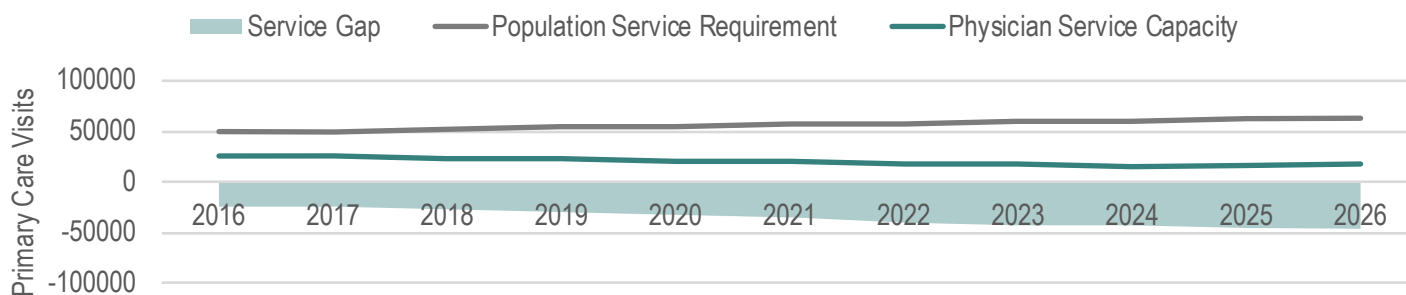
Neighbourhood Profile: Yonge-Eglinton



Ontario Health
Toronto



uOttawa





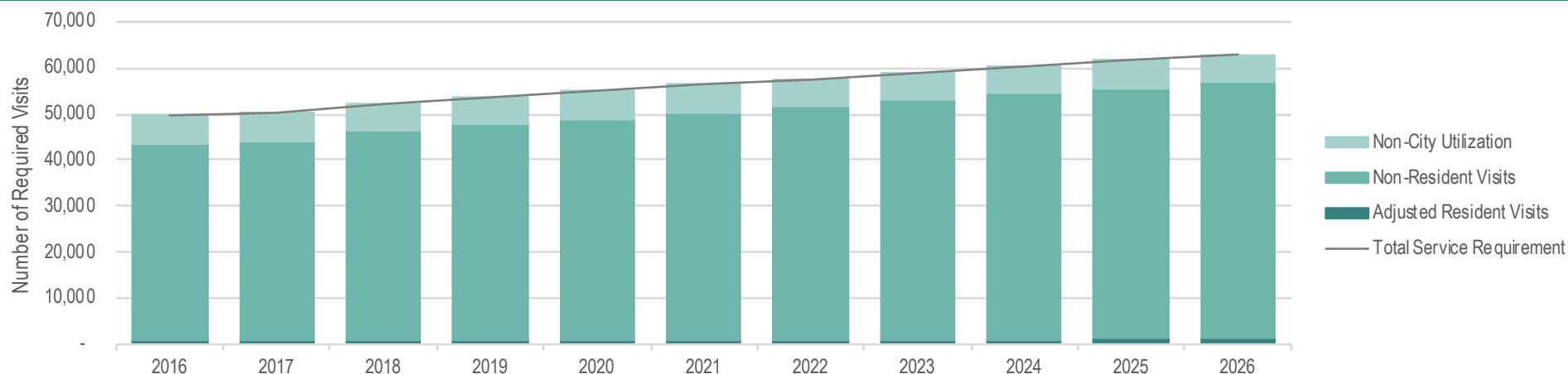
Primary Care Workforce Planning

Service Requirements Module: Yonge-Eglinton

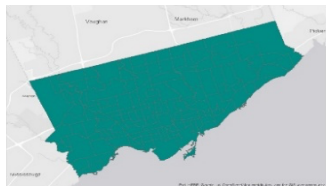
Examine the Sources of Service Requirements at a Neighbourhood Level

Total Service Requirements =

- 1 - Resident Visits:** Number of resident visits expected to be accessed in their neighbourhood of residence based on baseline spatial patterns of utilization
+
- 2 - Non-Resident Visits:** Number of non-resident visits expected to be accessed in the neighbourhood based on baseline spatial patterns of utilization
+
- 3 - Non-City Utilization:** Number of visits expected to be utilized by non-city residents in the neighbourhood based on baseline spatial patterns of utilization



	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	2026
Number of Residents	11,540	11,728	11,916	12,103	12,291	12,479	12,667	12,855	13,042	13,230	13,418
Resident Visits	39,636	39,641	40,926	41,571	42,216	42,861	43,506	44,151	44,796	45,442	46,087
Proportion of Care Accessed Within Home Neighbourhood	2.6%										
Resident Visits Adjusted for Spatial Patterns of Utilization	1,031	1,031	1,064	1,081	1,098	1,114	1,131	1,148	1,165	1,181	1,198
Non-Resident Visits	42,740	43,212	45,352	46,658	47,964	49,270	50,576	51,882	53,188	54,494	55,800
Non-City Utilization	5,926										
Total Service Requirement	49,697	50,169	52,342	53,665	54,988	56,310	57,633	58,956	60,279	61,602	62,924



Primary Care Workforce Planning

Service Capacity Module: Yonge-Eglinton

Examine the Sources of Service Capacity at a Neighbourhood Level

Total Service Capacity =

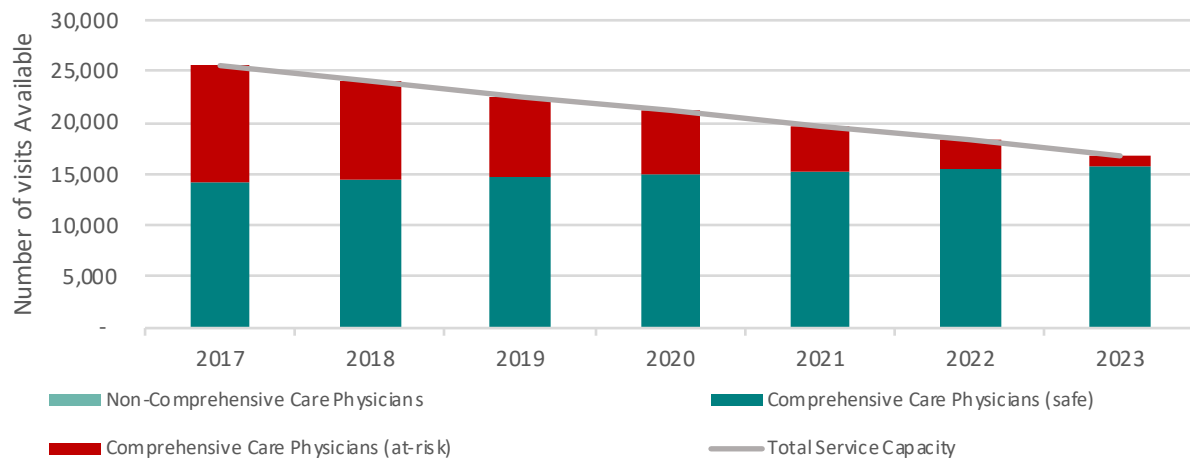
Comprehensive Care Physicians' Safe Service Capacity: Estimated number of services provided by comprehensive care physicians who are not expected to be at risk of exit from the workforce

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Service Capacity Generated by Non-Comprehensive Care Physicians: Estimated number of services provided by non-comprehensive care physicians



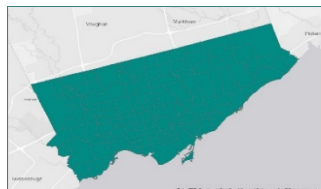
Allied Health Professionals Average Weekly Hours Available

Profession	2016	2017	2018
Chiropractors	26	33	16
Dieticians	6	3	6
Midwives	0	0	0
NPs	0	0	0
OTs	196	96	100
Optometrists	0	12	10
Pharmacists	41	56	0
PTs	678	680	236
Psychologists	291	291	278
RNs	6	0	22
RPNs	220	168	104
RTs	0	0	0
SLPs	24	25	16

Number of Comprehensive Primary Care Physicians

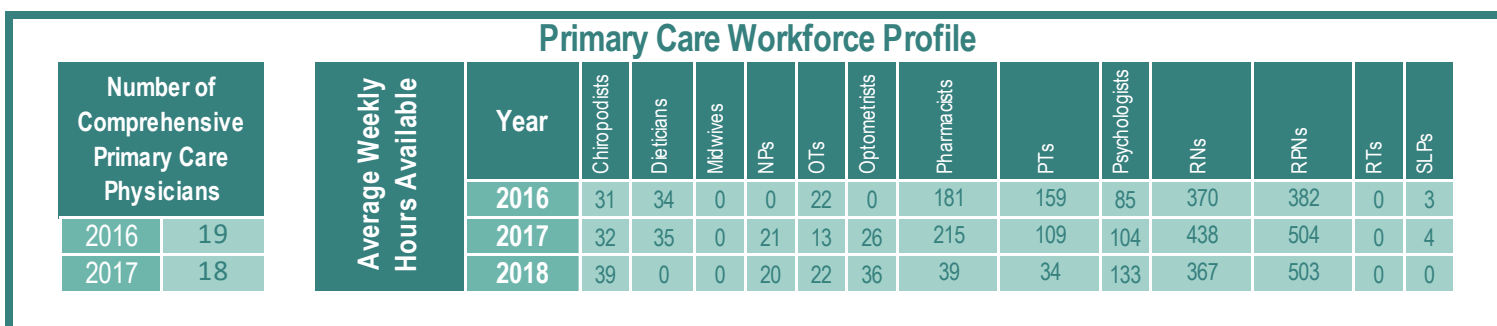
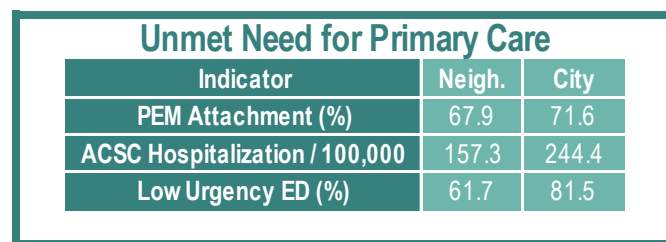
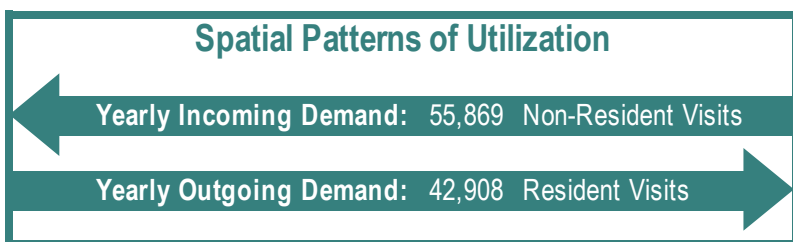
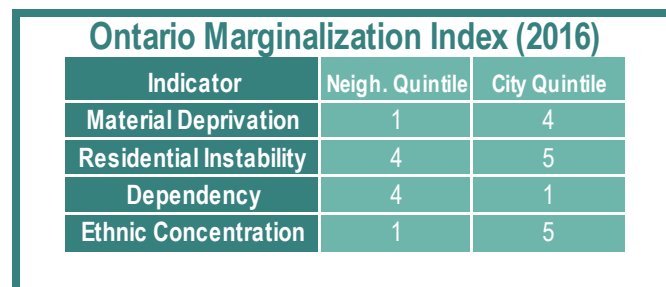
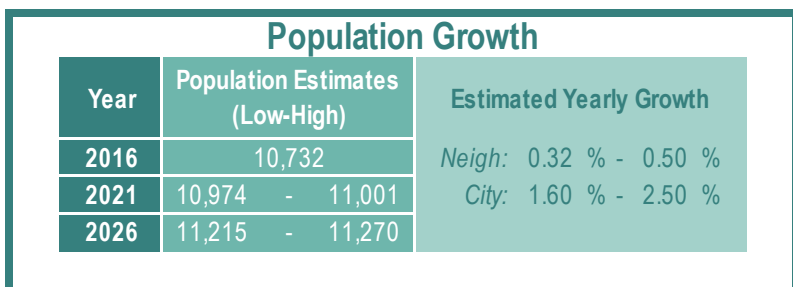
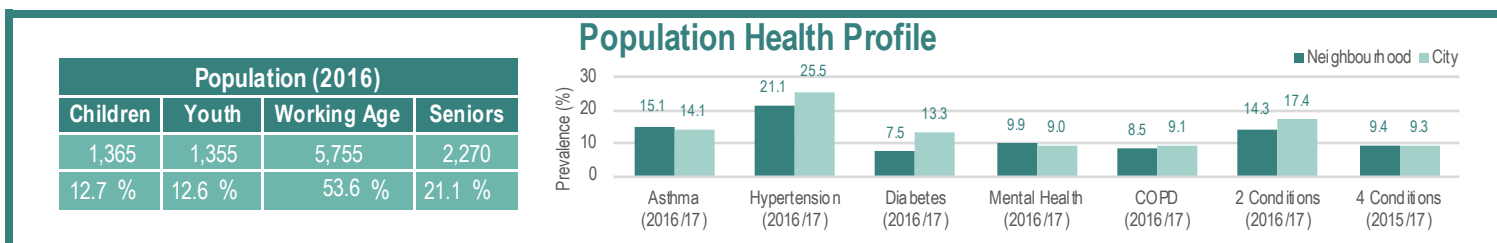
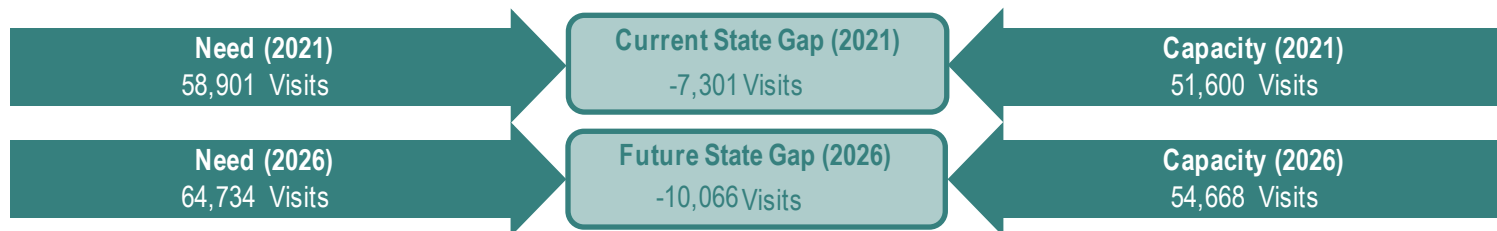
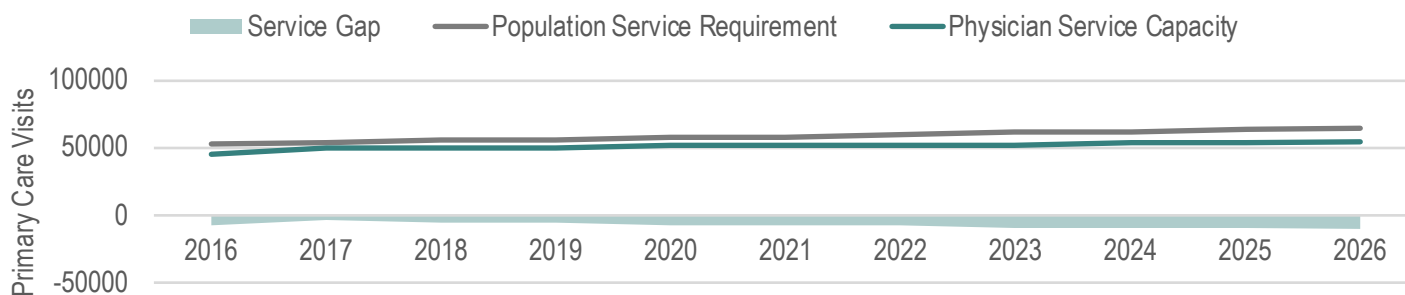
2016	7
2017	7

	2017	2018	2019	2020	2021	2022	2023
Comprehensive Care Physicians' Safe Service Capacity	14,317	14,539	14,761	14,983	15,205	15,427	15,649
Comprehensive Care Physicians' At-Risk Service Capacity	11,265	9,577	7,889	6,201	4,513	2,825	1,137
Non-Comprehensive Care Physicians' Service Capacity	0						
Total Service Capacity	25,582	24,116	22,650	21,184	19,718	18,252	16,786



Primary Care Workforce Planning

Neighbourhood Profile: Forest Hill South





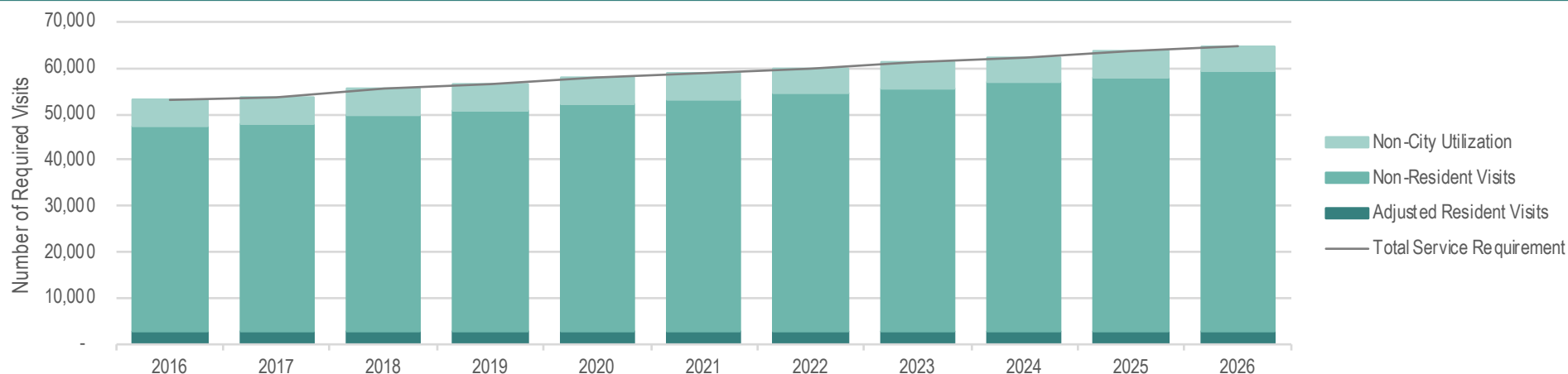
Primary Care Workforce Planning

Service Requirements Module: Forest Hill South

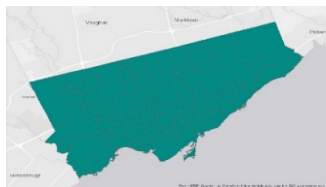
Examine the Sources of Service Requirements at a Neighbourhood Level

Total Service Requirements =

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- 2 - Non-Resident Visits:** Number of non-resident visits expected to be accessed in the neighbourhood based on baseline spatial patterns of utilization
+
- 3 - Non-City Utilization:** Number of visits expected to be utilized by non-city residents in the neighbourhood based on baseline spatial patterns of utilization



	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	2026
Number of Residents	11,768	11,821	11,875	11,928	11,981	12,035	12,088	12,141	12,194	12,248	12,301
Resident Visits	44,828	45,558	45,234	45,437	45,640	45,843	46,046	46,249	46,452	46,655	46,858
Proportion of Care Accessed Within Home Neighbourhood	6.5%										
Resident Visits Adjusted for Spatial Patterns of Utilization	2,914	2,961	2,940	2,953	2,967	2,980	2,993	3,006	3,019	3,033	3,046
Non-Resident Visits	44,556	45,139	46,863	48,016	49,170	50,323	51,476	52,630	53,783	54,937	56,090
Non-City Utilization	5,598										
Total Service Requirement	53,068	53,698	55,401	56,568	57,734	58,901	60,067	61,234	62,401	63,567	64,734



Primary Care Workforce Planning

Service Capacity Module: Forest Hill South

Examine the Sources of Service Capacity at a Neighbourhood Level

Total Service Capacity =

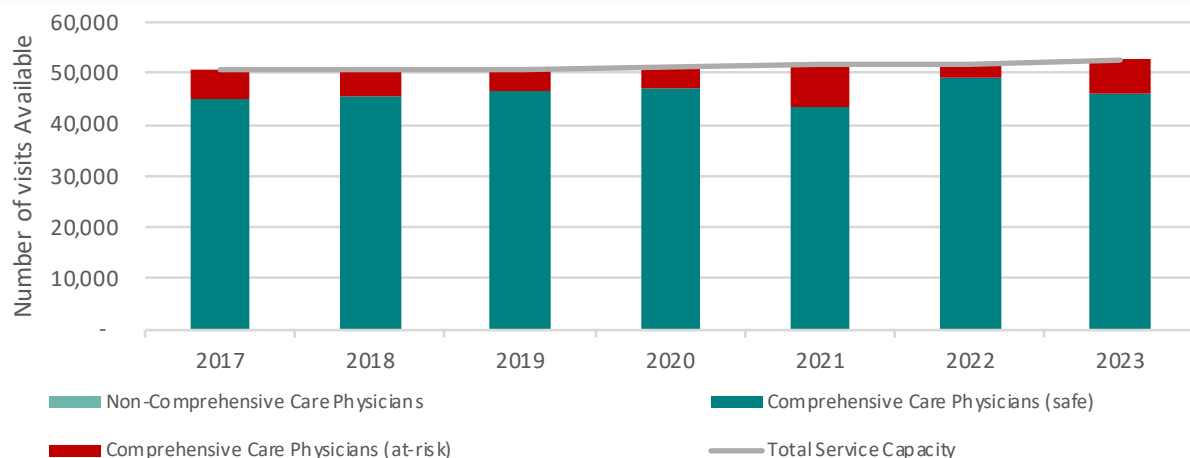
Comprehensive Care Physicians' Safe Service Capacity: Estimated number of services provided by comprehensive care physicians who are not expected to be at risk of exit from the workforce

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Service Capacity Generated by Non-Comprehensive Care Physicians: Estimated number of services provided by non-comprehensive care physicians



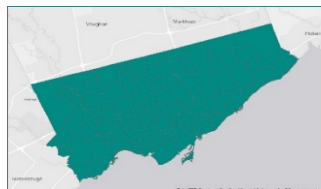
Allied Health Professionals Average Weekly Hours Available

Profession	2016	2017	2018
Chiropractors	31	32	39
Dieticians	34	35	0
Midwives	0	0	0
NPs	0	21	20
OTs	22	13	22
Optometrists	0	26	36
Pharmacists	181	215	39
PTs	159	109	34
Psychologists	85	104	133
RNs	370	438	367
RPNs	382	504	503
RTs	0	0	0
SLPs	3	4	0

Number of Comprehensive Primary Care Physicians

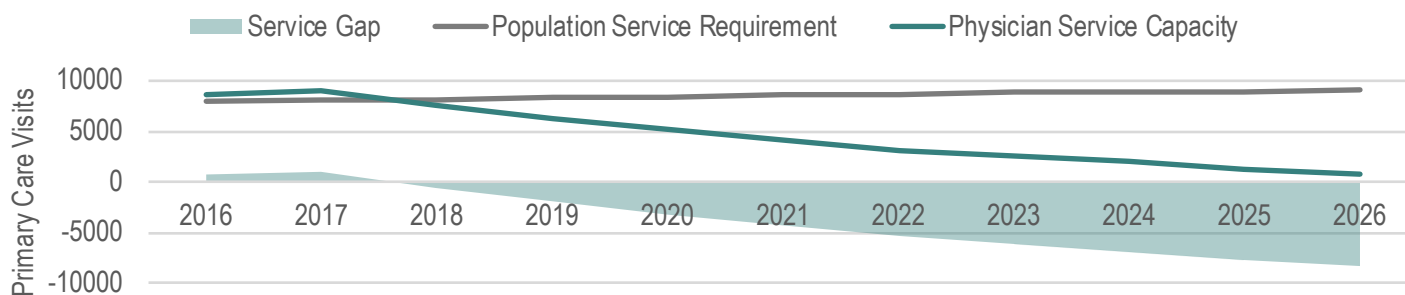
2016	19
2017	18

	2017	2018	2019	2020	2021	2022	2023
Comprehensive Care Physicians' Safe Service Capacity	45,197	45,457	46,389	47,321	43,616	49,185	45,834
Comprehensive Care Physicians' At-Risk Service Capacity	5,563	5,431	4,627	3,901	7,984	2,793	6,788
Non-Comprehensive Care Physicians' Service Capacity	0						
Total Service Capacity	50,760	50,888	51,016	51,222	51,600	51,978	52,622



Primary Care Workforce Planning

Neighbourhood Profile: Forest Hill North



Need (2021)
8,540 Visits

Current State Gap (2021)
-4,404 Visits

Capacity (2021)
4,136 Visits

Need (2026)
9,106 Visits

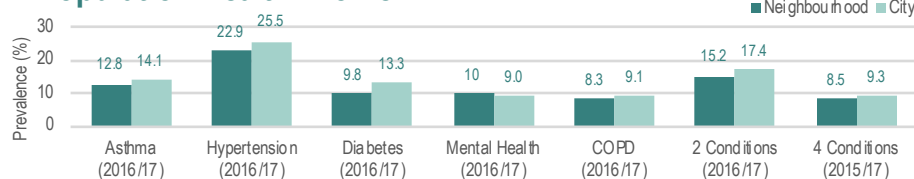
Future State Gap (2026)
-8,356 Visits

Capacity (2026)
750 Visits

Population (2016)

Children	Youth	Working Age	Seniors
2,060	1,510	7,105	2,115
16.1 %	11.8 %	55.5 %	16.5 %

Population Health Profile



Population Growth

Year	Population Estimates (Low-High)	Estimated Yearly Growth
2016	12,806	Neigh: 0.21 % - 0.32 % City: 1.60 % - 2.50 %
2021	12,990 - 13,013	
2026	13,174 - 13,220	

Ontario Marginalization Index (2016)

Indicator	Neigh. Quintile	City Quintile
Material Deprivation	2	4
Residential Instability	4	5
Dependency	2	1
Ethnic Concentration	3	5

Spatial Patterns of Utilization

Yearly Incoming Demand: 8,052 Non-Resident Visits

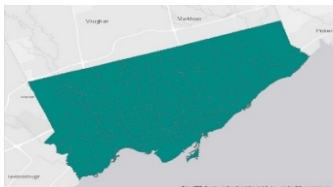
Yearly Outgoing Demand: 47,809 Resident Visits

Unmet Need for Primary Care

Indicator	Neigh.	City
PEM Attachment (%)	67.8	71.6
ACSC Hospitalization / 100,000	102.8	244.4
Low Urgency ED (%)	64.3	81.5

Primary Care Workforce Profile

Number of Comprehensive Primary Care Physicians		Average Weekly Hours Available	Year	Chiropractors	Dietitians	Midwives	NPs	OTs	Optometrists	Pharmacists	PTs	Psychologists	RNs	RPNs	RTs	SLPs
2016	(1-5)			10	53	0	0	32	0	88	0	33	56	140	0	35
2017	(1-5)			13	50	0	0	29	0	101	0	67	76	125	0	34
2018	(1-5)			14	54	0	0	25	0	15	0	65	71	147	0	37



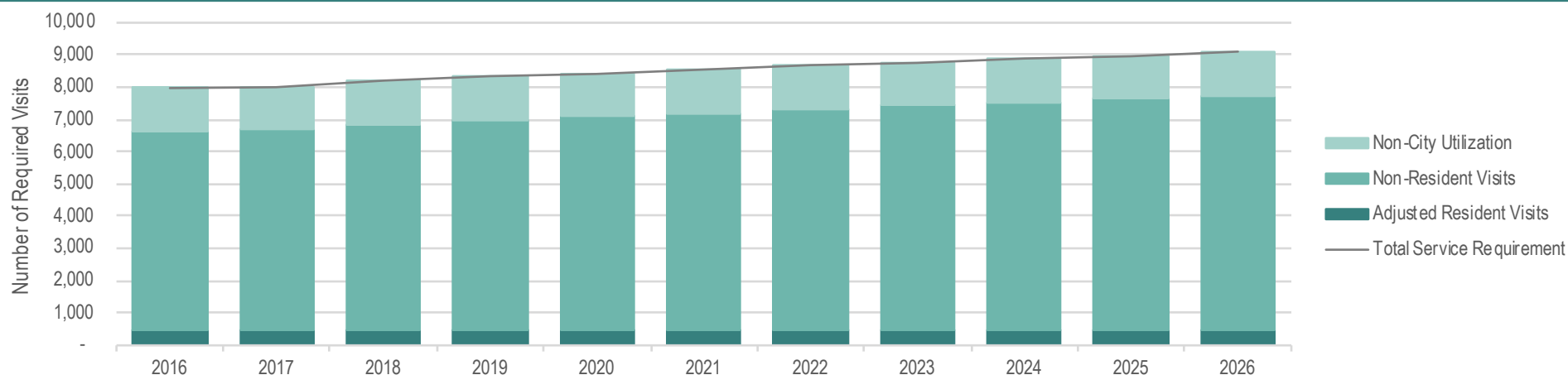
Primary Care Workforce Planning

Service Requirements Module: Forest Hill North

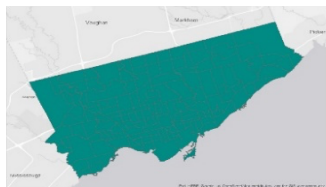
Examine the Sources of Service Requirements at a Neighbourhood Level

Total Service Requirements =

- 1 - **Resident Visits:** Number of resident visits expected to be accessed in their neighbourhood of residence based on baseline spatial patterns of utilization
+
- 2 - **Non-Resident Visits:** Number of non-resident visits expected to be accessed in the neighbourhood based on baseline spatial patterns of utilization
+
- 3 - **Non-City Utilization:** Number of visits expected to be utilized by non-city residents in the neighbourhood based on baseline spatial patterns of utilization



	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	2026
Number of Residents	13,333	13,374	13,415	13,456	13,497	13,538	13,578	13,619	13,660	13,701	13,742
Resident Visits	47,535	47,982	47,827	47,973	48,119	48,265	48,410	48,556	48,702	48,848	48,994
Proportion of Care Accessed Within Home Neighbourhood	1.0%										
Resident Visits Adjusted for Spatial Patterns of Utilization	475	480	478	480	481	483	484	486	487	488	490
Non-Resident Visits	6,155	6,210	6,378	6,490	6,602	6,713	6,825	6,937	7,048	7,160	7,272
Non-City Utilization	1,344										
Total Service Requirement	7,974	8,034	8,201	8,314	8,427	8,540	8,653	8,766	8,879	8,993	9,106



Primary Care Workforce Planning

Service Capacity Module: Forest Hill North

Examine the Sources of Service Capacity at a Neighbourhood Level

Total Service Capacity =

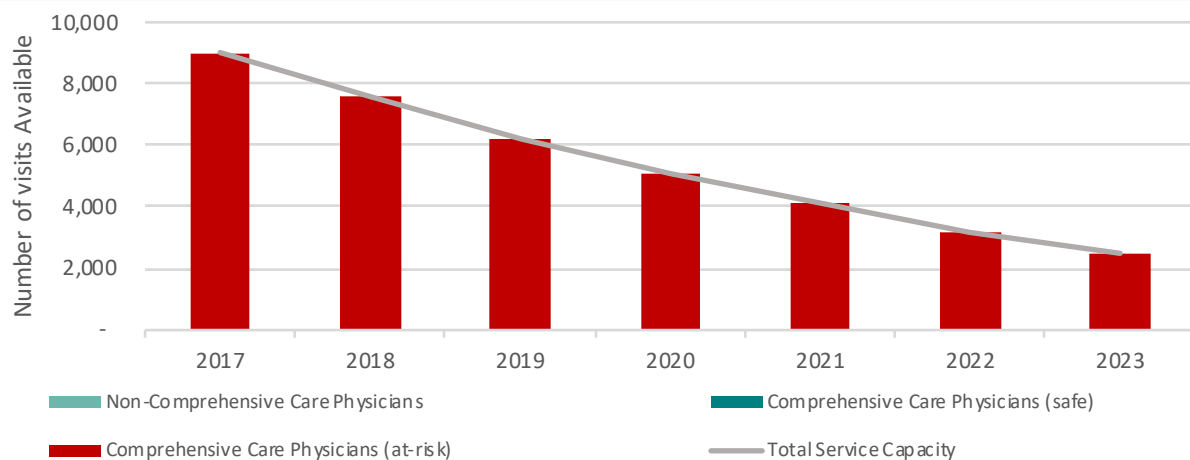
Comprehensive Care Physicians' Safe Service Capacity: Estimated number of services provided by comprehensive care physicians who are not expected to be at risk of exit from the workforce

+

Comprehensive Care Physicians' At-Risk Service Capacity: Estimated number of services provided by comprehensive care physicians who are considered to be at risk of exit from the workforce

+

Service Capacity Generated by Non-Comprehensive Care Physicians: Estimated number of services provided by non-comprehensive care physicians



Allied Health Professionals Average Weekly Hours Available

Profession	2016	2017	2018
Chiropractors	10	13	14
Dieticians	53	50	54
Midwives	0	0	0
NPs	0	0	0
OTs	32	29	25
Optometrists	0	0	0
Pharmacists	88	101	15
PTs	0	0	0
Psychologists	33	67	65
RNs	56	76	71
RPNs	140	125	147
RTs	0	0	0
SLPs	35	34	37

Number of Comprehensive Primary Care Physicians

2016	(1-5)
2017	(1-5)

	2017	2018	2019	2020	2021	2022	2023
Comprehensive Care Physicians' Safe Service Capacity	0	0	0	0	0	0	0
Comprehensive Care Physicians' At-Risk Service Capacity	9,017	7,630	6,243	5,110	4,136	3,162	2,493
Non-Comprehensive Care Physicians' Service Capacity	0						
Total Service Capacity	9,017	7,630	6,243	5,110	4,136	3,162	2,493



Primary Care Workforce Planning

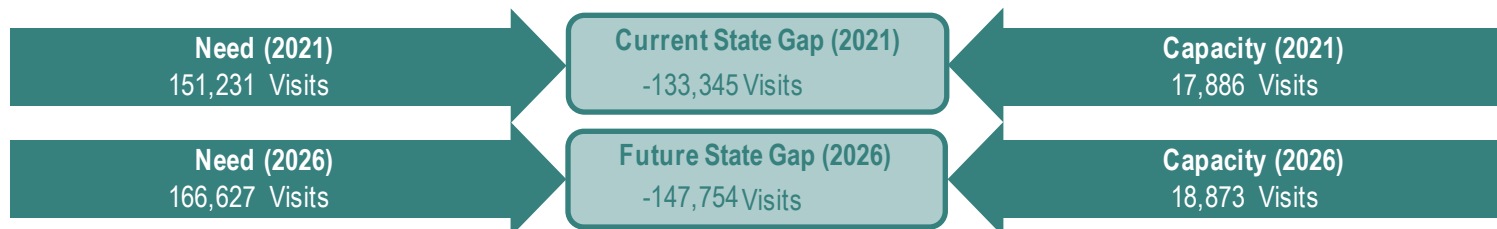
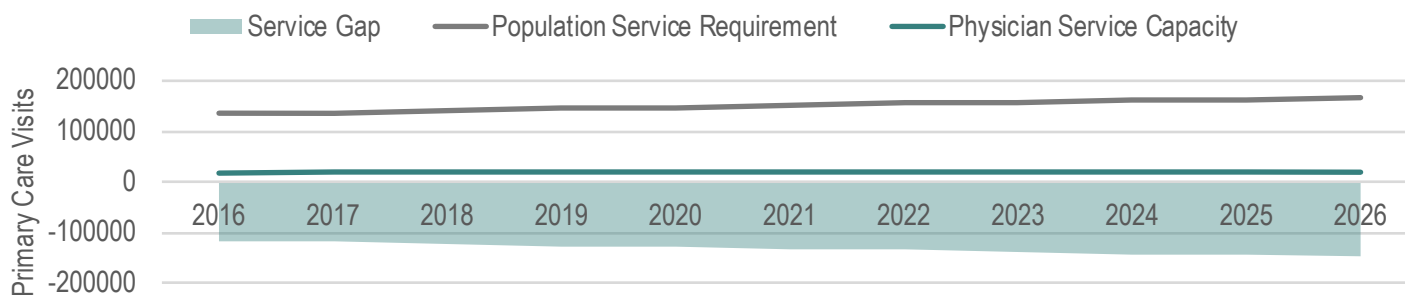
Neighbourhood Profile: Lawrence Park South



Ontario Health
Toronto

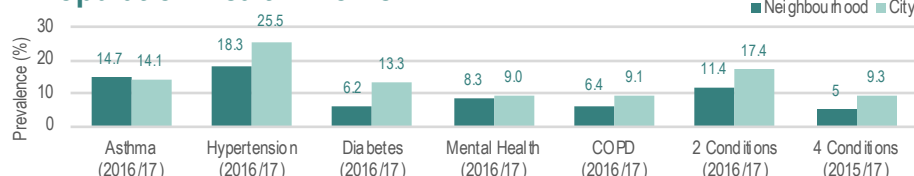


uOttawa



Population (2016)			
Children	Youth	Working Age	Seniors
2,840	2,120	8,000	2,230
18.7 %	14.0 %	52.7 %	14.7 %

Population Health Profile



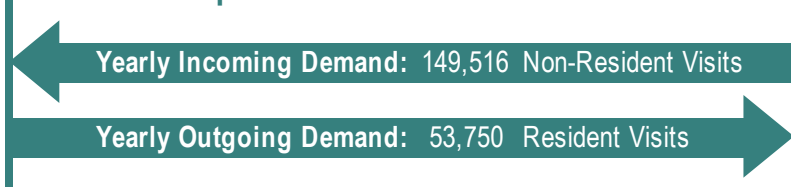
Population Growth

Year	Population Estimates (Low-High)	Estimated Yearly Growth
2016	15,179	Neigh: 0.47 % - 0.73 % City: 1.60 % - 2.50 %
2021	15,674 - 15,730	
2026	16,169 - 16,280	

Ontario Marginalization Index (2016)

Indicator	Neigh. Quintile	City Quintile
Material Deprivation	1	4
Residential Instability	1	5
Dependency	2	1
Ethnic Concentration	2	5

Spatial Patterns of Utilization



Unmet Need for Primary Care

Indicator	Neigh.	City
PEM Attachment (%)	67.3	71.6
ACSC Hospitalization / 100,000	82.2	244.4
Low Urgency ED (%)	56.9	81.5

Primary Care Workforce Profile

Number of Comprehensive Primary Care Physicians		Average Weekly Hours Available	Year	Chiropractors	Dietitians	Midwives	NPs	OTs	Optometrists	Pharmacists	PTs	Psychologists	RNs	RPNs	RTs	SLPs
2016	8			0	1	0	0	16	0	133	44	114	6	69	0	33
2017	8			3	0	0	0	23	56	115	37	131	15	48	0	38
2018	8			16	34	0	0	11	69	22	41	136	7	76	0	30



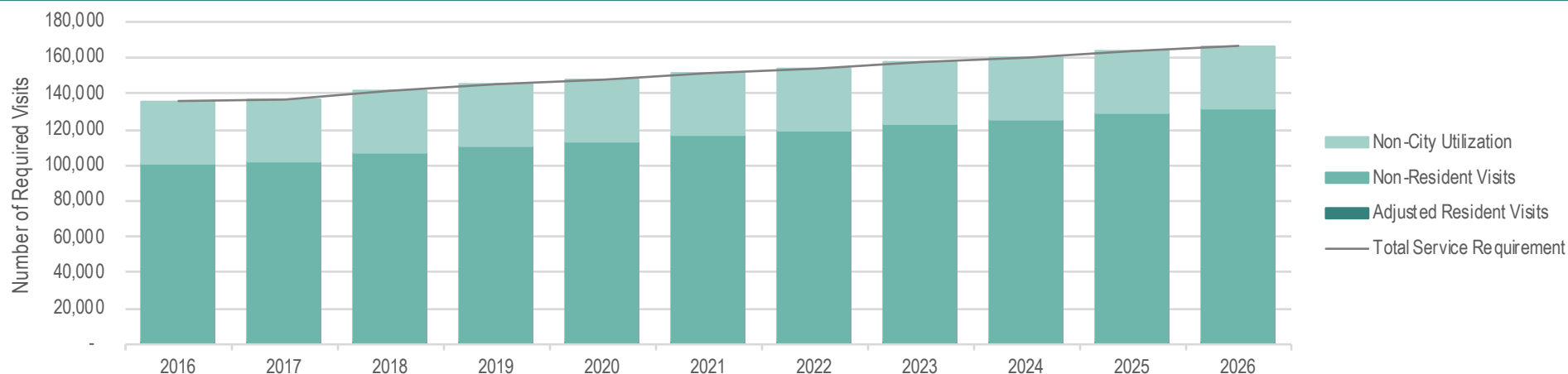
Primary Care Workforce Planning

Service Requirements Module: Lawrence Park South

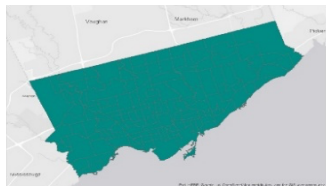
Examine the Sources of Service Requirements at a Neighbourhood Level

Total Service Requirements =

- 1 - Resident Visits:** Number of resident visits expected to be accessed in their neighbourhood of residence based on baseline spatial patterns of utilization
+
- 2 - Non-Resident Visits:** Number of non-resident visits expected to be accessed in the neighbourhood based on baseline spatial patterns of utilization
+
- 3 - Non-City Utilization:** Number of visits expected to be utilized by non-city residents in the neighbourhood based on baseline spatial patterns of utilization



	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	2026
Number of Residents	15,905	16,014	16,122	16,231	16,339	16,448	16,557	16,665	16,774	16,882	16,991
Resident Visits	53,466	53,902	54,196	54,561	54,926	55,291	55,657	56,022	56,387	56,752	57,117
Proportion of Care Accessed Within Home Neighbourhood	2.8%										
Resident Visits Adjusted for Spatial Patterns of Utilization	1,497	1,509	1,517	1,528	1,538	1,548	1,558	1,569	1,579	1,589	1,599
Non-Resident Visits	99,447	100,671	105,585	108,653	111,722	114,791	117,860	120,929	123,998	127,067	130,136
Non-City Utilization	34,892										
Total Service Requirement	135,836	137,072	141,994	145,073	148,152	151,231	154,311	157,390	160,469	163,548	166,627



Primary Care Workforce Planning

Service Capacity Module: Lawrence Park South

Examine the Sources of Service Capacity at a Neighbourhood Level

Total Service Capacity =

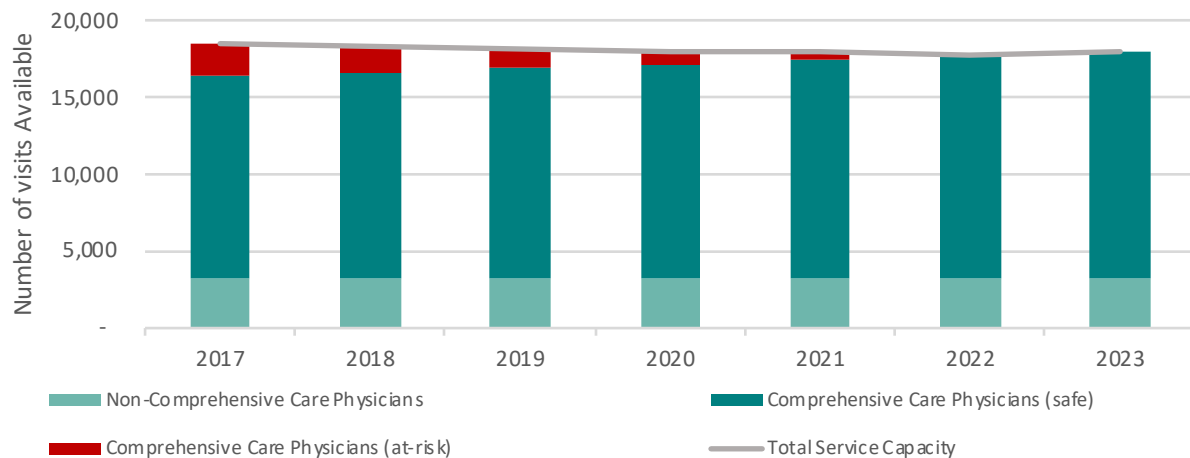
Comprehensive Care Physicians' Safe Service Capacity: Estimated number of services provided by comprehensive care physicians who are not expected to be at risk of exit from the workforce

+

Comprehensive Care Physicians' At-Risk Service Capacity: Estimated number of services provided by comprehensive care physicians who are considered to be at risk of exit from the workforce

+

Service Capacity Generated by Non-Comprehensive Care Physicians: Estimated number of services provided by non-comprehensive care physicians



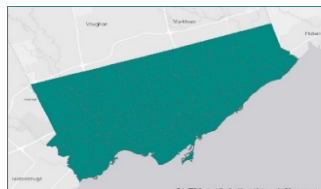
Allied Health Professionals Average Weekly Hours Available

Profession	2016	2017	2018
Chiroprodists	0	3	16
Dieticians	1	0	34
Midwives	0	0	0
NPs	0	0	0
OTs	16	23	11
Optometrists	0	56	69
Pharmacists	133	115	22
PTs	44	37	41
Psychologists	114	131	136
RNs	6	15	7
RPNs	69	48	76
RTs	0	0	0
SLPs	33	38	30

Number of Comprehensive Primary Care Physicians

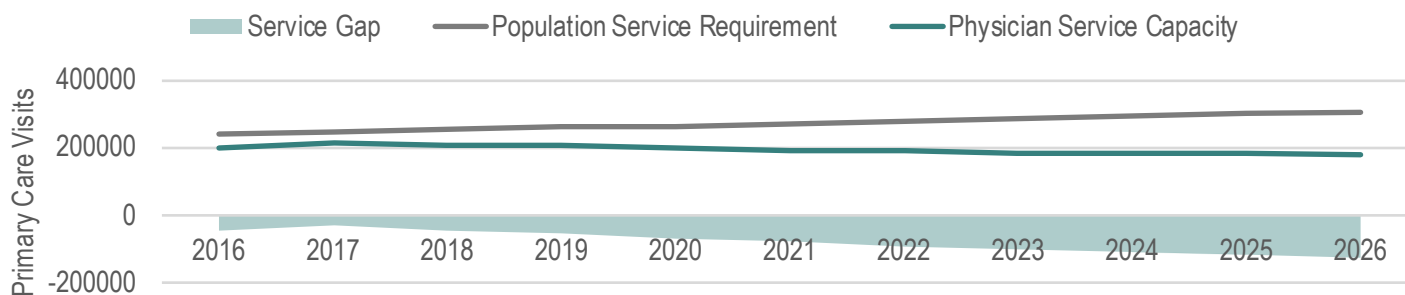
2016	8
2017	8

	2017	2018	2019	2020	2021	2022	2023
Comprehensive Care Physicians' Safe Service Capacity	13,055	13,339	13,623	13,907	14,191	14,475	14,759
Comprehensive Care Physicians' At-Risk Service Capacity	2,165	1,732	1,299	866	433	0	0
Non-Comprehensive Care Physicians' Service Capacity	3,262						
Total Service Capacity	18,482	18,333	18,184	18,035	17,886	17,737	18,021



Primary Care Workforce Planning

Neighbourhood Profile: Mount Pleasant West



Need (2021)
273,988 Visits

Current State Gap (2021)
-78,856 Visits

Capacity (2021)
195,132 Visits

Need (2026)
306,264 Visits

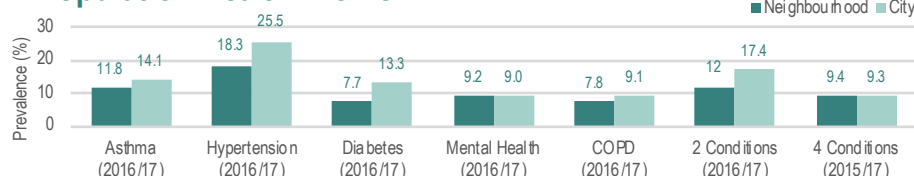
Future State Gap (2026)
-126,041 Visits

Capacity (2026)
180,223 Visits

Population (2016)

Children	Youth	Working Age	Seniors
2,375	2,530	20,130	4,605
8.0 %	8.5 %	67.9 %	15.5 %

Population Health Profile



Population Growth

Year	Population Estimates (Low-High)	Estimated Yearly Growth
2016	29,658	Neigh: 6.65 % - ### % City: 1.60 % - 2.50 %
2021	43,461 - 45,157	
2026	57,263 - 60,655	

Ontario Marginalization Index (2016)

Indicator	Neigh. Quintile	City Quintile
Material Deprivation	1	4
Residential Instability	5	5
Dependency	2	1
Ethnic Concentration	3	5

Spatial Patterns of Utilization

Yearly Incoming Demand: 240,973 Non-Resident Visits

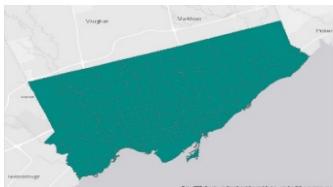
Yearly Outgoing Demand: 120,869 Resident Visits

Unmet Need for Primary Care

Indicator	Neigh.	City
PEM Attachment (%)	69.9	71.6
ACSC Hospitalization / 100,000	220.8	244.4
Low Urgency ED (%)	60.1	81.5

Primary Care Workforce Profile

Number of Comprehensive Primary Care Physicians	Average Weekly Hours Available	Year	Chiropractors	Dietitians	Midwives	NPs	OTs	Optometrists	Pharmacists	PTs	Psychologists	RNs	RPNs	RTs	SLPs
			2016	2017	2018	2016	2017	2018	2016	2017	2018	2016	2017	2018	2016
2016	63		122	135	98	44	138	145	0	0	0	92	66	73	132
2017	59		122	135	98	44	138	145	0	0	0	92	66	73	132
2018			122	135	98	44	138	145	0	0	0	92	66	73	132



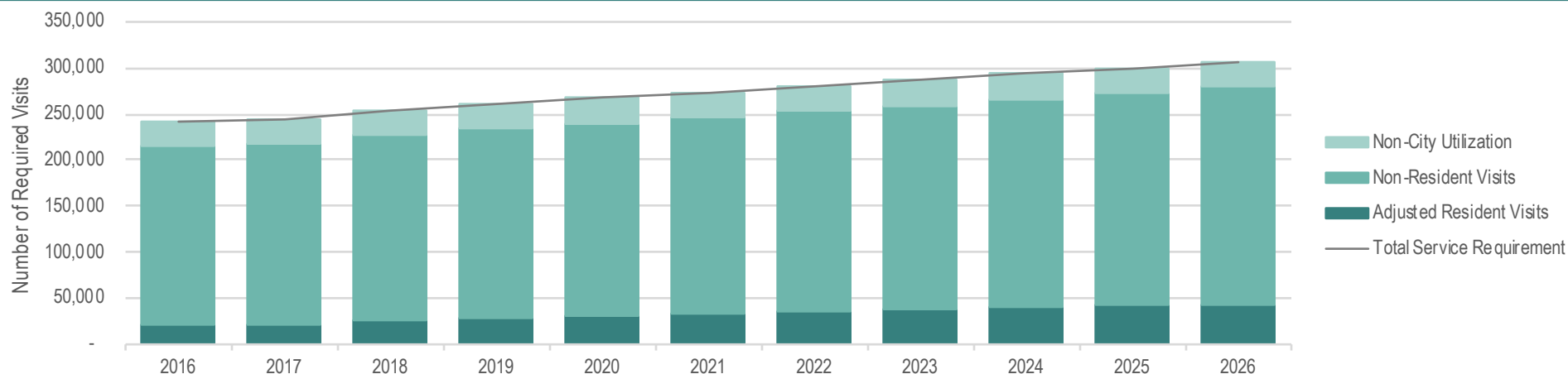
Primary Care Workforce Planning

Service Requirements Module: Mount Pleasant West

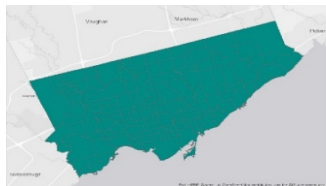
Examine the Sources of Service Requirements at a Neighbourhood Level

Total Service Requirements =

- 1 - Resident Visits:** Number of resident visits expected to be accessed in their neighbourhood of residence based on baseline spatial patterns of utilization
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- 2 - Non-Resident Visits:** Number of non-resident visits expected to be accessed in the neighbourhood based on baseline spatial patterns of utilization
+
- 3 - Non-City Utilization:** Number of visits expected to be utilized by non-city residents in the neighbourhood based on baseline spatial patterns of utilization



	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	2026
Number of Residents	28,983	32,030	35,076	38,123	41,170	44,217	47,263	50,310	53,357	56,403	59,450
Resident Visits	101,044	105,385	122,288	132,910	143,531	154,153	164,775	175,397	186,019	196,640	207,262
Proportion of Care Accessed Within Home Neighbourhood	21.3%										
Resident Visits Adjusted for Spatial Patterns of Utilization	21,522	22,447	26,047	28,310	30,572	32,835	35,097	37,360	39,622	41,884	44,147
Non-Resident Visits	192,842	195,041	201,228	205,420	209,613	213,806	217,999	222,191	226,384	230,577	234,769
Non-City Utilization	27,348										
Total Service Requirement	241,713	244,836	254,623	261,078	267,533	273,988	280,444	286,899	293,354	299,809	306,264



Primary Care Workforce Planning

Service Capacity Module: Mount Pleasant West

Examine the Sources of Service Capacity at a Neighbourhood Level

Total Service Capacity =

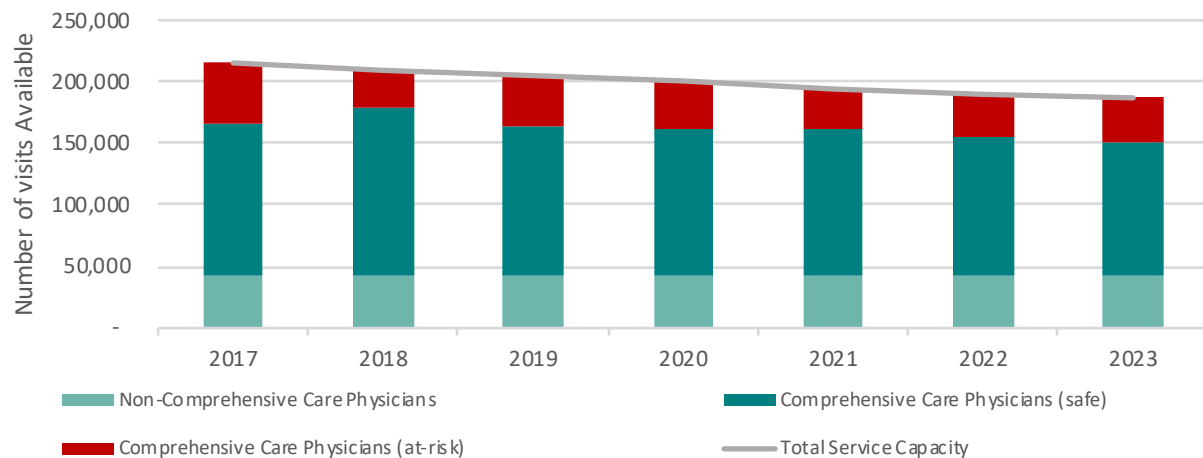
Comprehensive Care Physicians' Safe Service Capacity: Estimated number of services provided by comprehensive care physicians who are not expected to be at risk of exit from the workforce

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Comprehensive Care Physicians' At-Risk Service Capacity: Estimated number of services provided by comprehensive care physicians who are considered to be at risk of exit from the workforce

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Service Capacity Generated by Non-Comprehensive Care Physicians: Estimated number of services provided by non-comprehensive care physicians



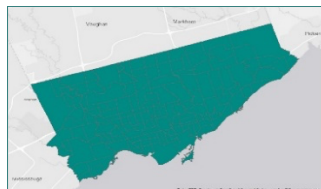
Allied Health Professionals Average Weekly Hours Available

Profession	2016	2017	2018
Chiropractors	122	135	98
Dieticians	44	138	145
Midwives	0	0	0
NPs	92	66	73
OTs	132	123	224
Optometrists	0	301	371
Pharmacists	514	436	152
PTs	851	816	326
Psychologists	205	206	199
RNs	733	971	948
RPNs	1,927	2,070	2,216
RTs	0	0	29
SLPs	131	62	82

Number of Comprehensive Primary Care Physicians

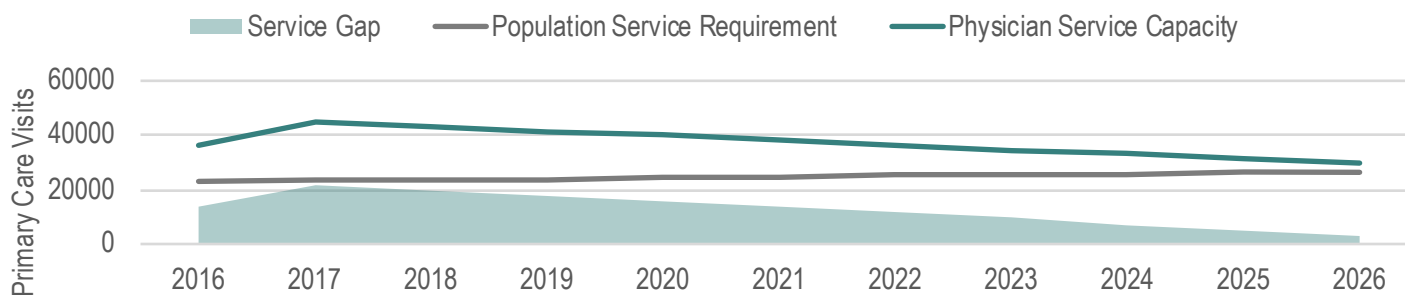
2016	63
2017	59

	2017	2018	2019	2020	2021	2022	2023
Comprehensive Care Physicians' Safe Service Capacity	124,050	136,285	120,086	119,157	119,758	113,267	108,863
Comprehensive Care Physicians' At-Risk Service Capacity	48,324	30,906	41,922	37,770	32,386	34,469	35,110
Non-Comprehensive Care Physicians' Service Capacity	42,988						
Total Service Capacity	215,362	210,179	204,996	199,915	195,132	190,724	186,961



Primary Care Workforce Planning

Neighbourhood Profile: Lawrence Park North



Need (2021)
24,689 Visits

Current State Gap (2021)
+13,386 Visits

Capacity (2021)
38,075 Visits

Need (2026)
26,356 Visits

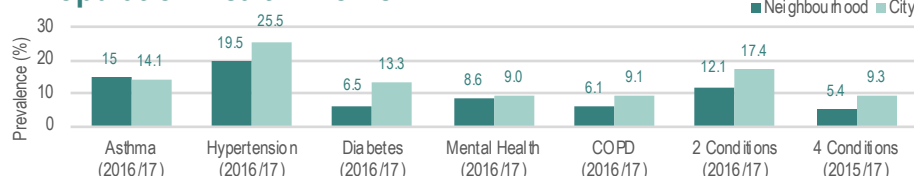
Future State Gap (2026)
+3,398 Visits

Capacity (2026)
29,754 Visits

Population (2016)

Children	Youth	Working Age	Seniors
3,280	1,660	7,725	1,945
22.4 %	11.4 %	52.9 %	13.3 %

Population Health Profile



Population Growth

Year	Population Estimates (Low-High)	Estimated Yearly Growth
2016	14,607	Neigh: 0.13 % - 0.21 % City: 1.60 % - 2.50 %
2021	14,741 - 14,759	
2026	14,876 - 14,910	

Ontario Marginalization Index (2016)

Indicator	Neigh. Quintile	City Quintile
Material Deprivation	1	4
Residential Instability	1	5
Dependency	1	1
Ethnic Concentration	1	5

Spatial Patterns of Utilization

Yearly Incoming Demand: 21,813 Non-Resident Visits

Yearly Outgoing Demand: 47,399 Resident Visits

Unmet Need for Primary Care

Indicator	Neigh.	City
PEM Attachment (%)	69.0	71.6
ACSC Hospitalization / 100,000	134.0	244.4
Low Urgency ED (%)	67.0	81.5

Primary Care Workforce Profile

Number of Comprehensive Primary Care Physicians	Year	Chiropractors	Dietitians	Midwives	NPs	OTs	Optometrists	Pharmacists	PTs	Psychologists	RNs	RPNs	RTs	SLPs
2016	13	0	0	0	0	1	0	0	62	163	91	254	0	53
2017	12	0	0	0	0	1	0	0	64	170	69	164	0	48
2018		0	0	0	0	0	11	0	12	170	82	232	0	46



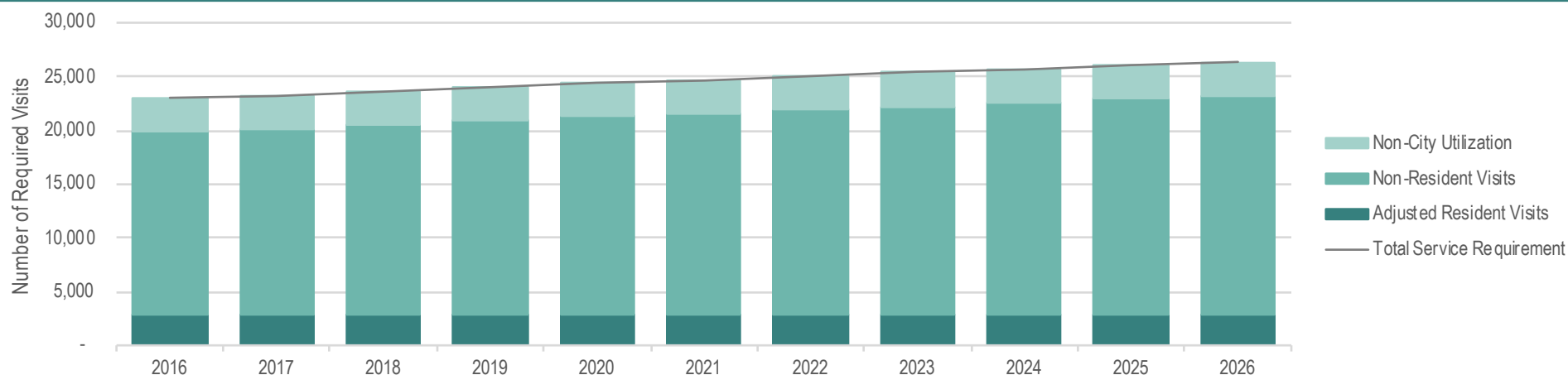
Primary Care Workforce Planning

Service Requirements Module: Lawrence Park North

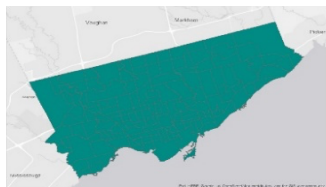
Examine the Sources of Service Requirements at a Neighbourhood Level

Total Service Requirements =

- 1 - Resident Visits:** Number of resident visits expected to be accessed in their neighbourhood of residence based on baseline spatial patterns of utilization
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2 - Non-Resident Visits: Number of non-resident visits expected to be accessed in the neighbourhood based on baseline spatial patterns of utilization
 +
3 - Non-City Utilization: Number of visits expected to be utilized by non-city residents in the neighbourhood based on baseline spatial patterns of utilization



	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	2026
Number of Residents	15,331	15,361	15,391	15,420	15,450	15,480	15,510	15,540	15,569	15,599	15,629
Resident Visits	49,729	50,392	49,923	50,019	50,116	50,213	50,309	50,406	50,503	50,599	50,696
Proportion of Care Accessed Within Home Neighbourhood	5.7%										
Resident Visits Adjusted for Spatial Patterns of Utilization	2,835	2,872	2,846	2,851	2,857	2,862	2,868	2,873	2,879	2,884	2,890
Non-Resident Visits	17,066	17,244	17,722	18,050	18,379	18,707	19,035	19,363	19,691	20,019	20,347
Non-City Utilization	3,120										
Total Service Requirement	23,021	23,237	23,688	24,022	24,355	24,689	25,022	25,356	25,689	26,023	26,356



Primary Care Workforce Planning

Service Capacity Module: Lawrence Park North

Examine the Sources of Service Capacity at a Neighbourhood Level

Total Service Capacity =

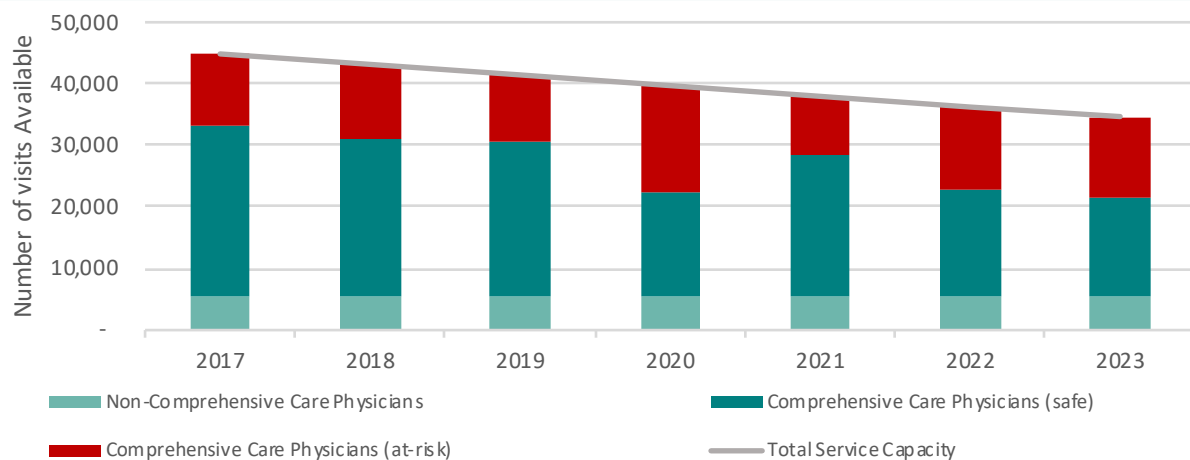
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Service Capacity Generated by Non-Comprehensive Care Physicians: Estimated number of services provided by non-comprehensive care physicians



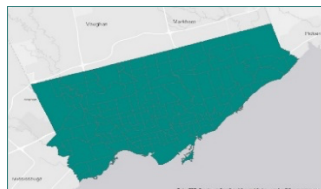
Allied Health Professionals Average Weekly Hours Available

Profession	2016	2017	2018
Chiroprodists	0	0	0
Dieticians	0	0	0
Midwives	0	0	0
NPs	0	0	0
OTs	1	1	0
Optometrists	0	0	11
Pharmacists	0	0	0
PTs	62	64	12
Psychologists	163	170	170
RNs	91	69	82
RPNs	254	164	232
RTs	0	0	0
SLPs	53	48	46

Number of Comprehensive Primary Care Physicians

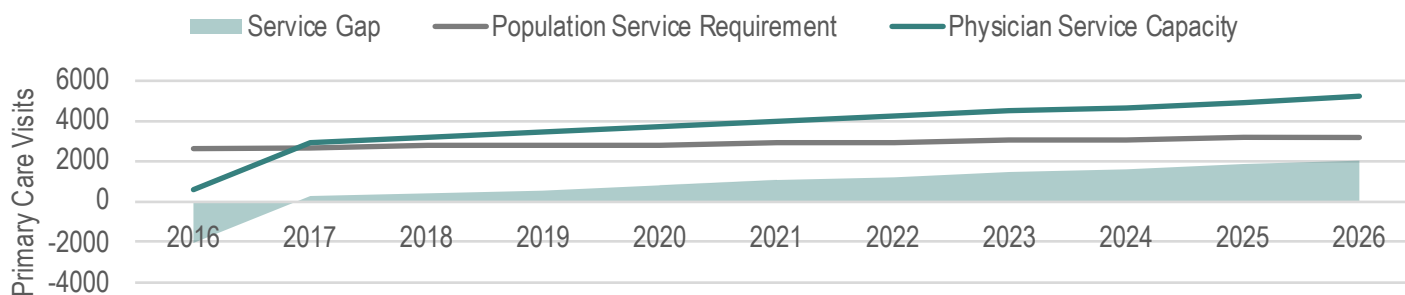
2016	13
2017	12

	2017	2018	2019	2020	2021	2022	2023
Comprehensive Care Physicians' Safe Service Capacity	27,610	25,220	25,015	16,838	22,943	17,136	15,977
Comprehensive Care Physicians' At-Risk Service Capacity	11,593	12,287	10,796	17,277	9,476	13,587	13,050
Non-Comprehensive Care Physicians' Service Capacity	5,656						
Total Service Capacity	44,859	43,163	41,467	39,771	38,075	36,379	34,683



Primary Care Workforce Planning

Neighbourhood Profile: Humewood-Cedarvale



Need (2021)
2,916 Visits

Current State Gap (2021)
+1,021 Visits

Capacity (2021)
3,937 Visits

Need (2026)
3,193 Visits

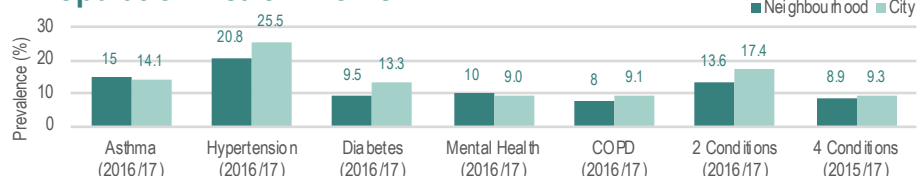
Future State Gap (2026)
+2,044 Visits

Capacity (2026)
5,237 Visits

Population (2016)

Children	Youth	Working Age	Seniors
2,155	1,615	8,635	1,925
15.0 %	11.2 %	60.1 %	13.4 %

Population Health Profile



Population Growth

Year	Population Estimates (Low-High)	Estimated Yearly Growth
2016	14,365	Neigh: 0.94 % - 1.47 % City: 1.60 % - 2.50 %
2021	15,305 - 15,420	
2026	16,246 - 16,475	

Ontario Marginalization Index (2016)

Indicator	Neigh. Quintile	City Quintile
Material Deprivation	2	4
Residential Instability	4	5
Dependency	1	1
Ethnic Concentration	2	5

Spatial Patterns of Utilization

Yearly Incoming Demand: 2,649 Non-Resident Visits

Yearly Outgoing Demand: 52,692 Resident Visits

Unmet Need for Primary Care

Indicator	Neigh.	City
PEM Attachment (%)	67.1	71.6
ACSC Hospitalization / 100,000	210.5	244.4
Low Urgency ED (%)	71.1	81.5

Primary Care Workforce Profile

Number of Comprehensive Primary Care Physicians		Average Weekly Hours Available	Year	Chiropractors	Dietitians	Midwives	NPs	OTs	Optometrists	Pharmacists	PTs	Psychologists	RNs	RPNs	RTs	SLPs
2016	(1-5)															
2016	(1-5)															
2017	(1-5)															
2016	(1-5)		2016	0	4	0	10	0	0	168	124	1	226	392	0	28
2017	(1-5)		2017	0	1	0	4	0	0	229	103	17	189	225	0	36
2017	(1-5)		2018	0	3	0	12	0	0	86	77	17	151	173	0	35



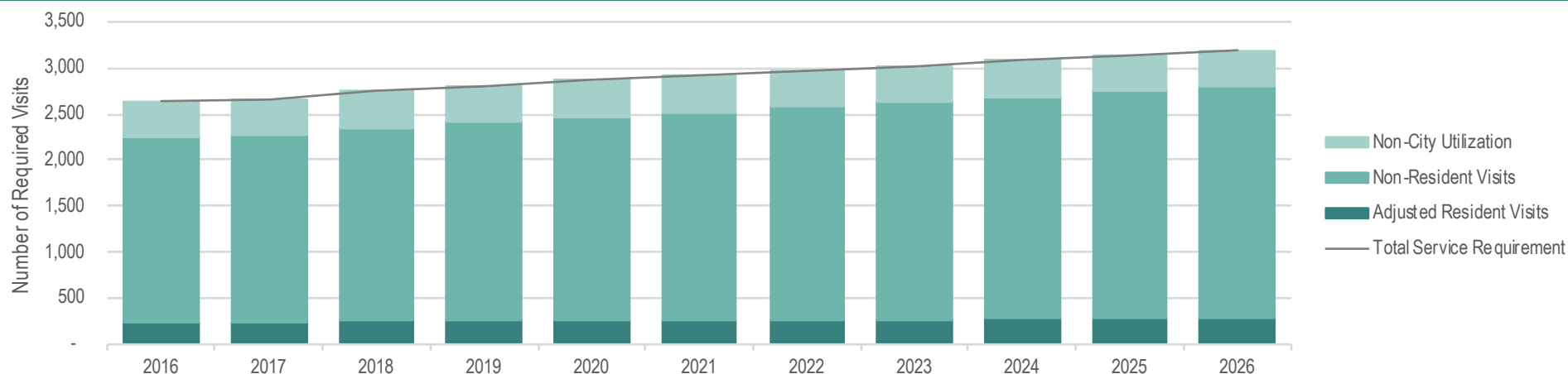
Primary Care Workforce Planning

Service Requirements Module: Humewood-Cedarvale

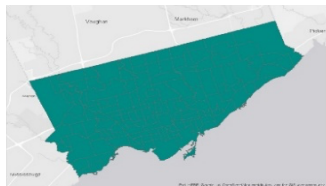
Examine the Sources of Service Requirements at a Neighbourhood Level

Total Service Requirements =

- 1 - Resident Visits:** Number of resident visits expected to be accessed in their neighbourhood of residence based on baseline spatial patterns of utilization
+
- 2 - Non-Resident Visits:** Number of non-resident visits expected to be accessed in the neighbourhood based on baseline spatial patterns of utilization
+
- 3 - Non-City Utilization:** Number of visits expected to be utilized by non-city residents in the neighbourhood based on baseline spatial patterns of utilization



	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	2026
Number of Residents	13,770	13,978	14,185	14,393	14,600	14,808	15,015	15,223	15,430	15,638	15,845
Resident Visits	49,321	49,186	50,807	51,551	52,294	53,037	53,780	54,524	55,267	56,010	56,753
Proportion of Care Accessed Within Home Neighbourhood	0.5%										
Resident Visits Adjusted for Spatial Patterns of Utilization	247	246	254	258	261	265	269	273	276	280	284
Non-Resident Visits	1,998	2,022	2,101	2,152	2,204	2,255	2,307	2,358	2,410	2,461	2,513
Non-City Utilization	396										
Total Service Requirement	2,640	2,664	2,751	2,806	2,861	2,916	2,972	3,027	3,082	3,137	3,193



Primary Care Workforce Planning

Service Capacity Module: Humewood-Cedarvale

Examine the Sources of Service Capacity at a Neighbourhood Level

Total Service Capacity =

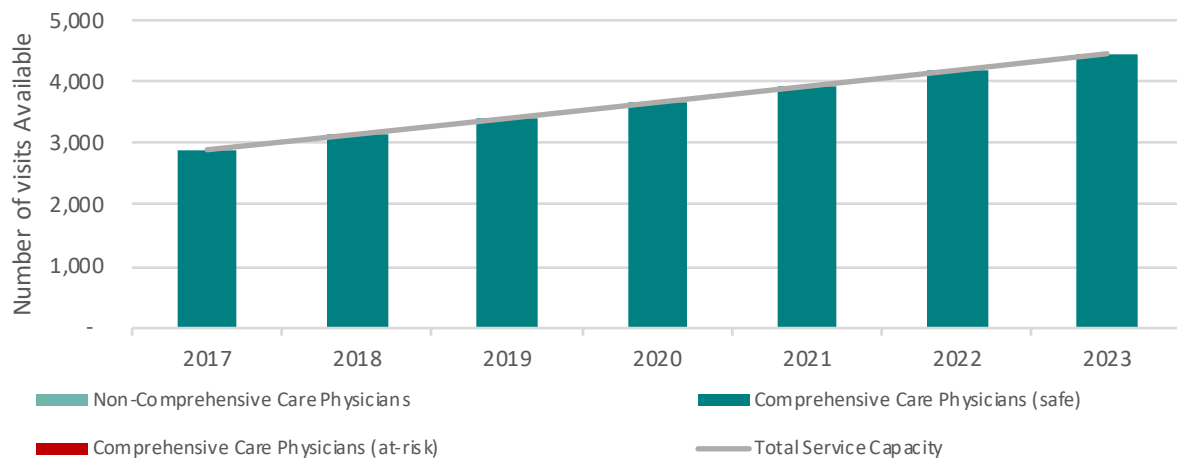
Comprehensive Care Physicians' Safe Service Capacity: Estimated number of services provided by comprehensive care physicians who are not expected to be at risk of exit from the workforce

+

Comprehensive Care Physicians' At-Risk Service Capacity: Estimated number of services provided by comprehensive care physicians who are considered to be at risk of exit from the workforce

+

Service Capacity Generated by Non-Comprehensive Care Physicians: Estimated number of services provided by non-comprehensive care physicians



Allied Health Professionals Average Weekly Hours Available

Profession	2016	2017	2018
Chiropractors	0	0	0
Dieticians	4	1	3
Midwives	0	0	0
NPs	10	4	12
OTs	0	0	0
Optometrists	0	0	0
Pharmacists	168	229	86
PTs	124	103	77
Psychologists	1	17	17
RNs	226	189	151
RPNs	392	225	173
RTs	0	0	0
SLPs	28	36	35

Number of Comprehensive Primary Care Physicians

2016	(1-5)
2017	(1-5)

	2017	2018	2019	2020	2021	2022	2023
Comprehensive Care Physicians' Safe Service Capacity	2,897	3,157	3,417	3,677	3,937	4,197	4,457
Comprehensive Care Physicians' At-Risk Service Capacity	0	0	0	0	0	0	0
Non-Comprehensive Care Physicians' Service Capacity	0						
Total Service Capacity	2,897	3,157	3,417	3,677	3,937	4,197	4,457

Toronto Region Primary Care Workforce Planning Toolkit

Technical Notes – Neighbourhood & Subregion Packages

Project Description

The Toronto Region Primary Care Workforce Planning Toolkit is a fit-for-purpose toolkit to support integrated primary care workforce planning in the Toronto Region. The toolkit is the result of a collaboration between the Health Analytics team at Ontario Health Toronto and consultants from the Canadian Health Workforce Network. A partnership with the City of Toronto, as well as extensive consultation with stakeholders, decision-makers, leaders, and frontline workers in Toronto, informed the development of the toolkit.

The toolkit provides a body of evidence around the current (and projected future) states of population health needs and primary care service provision at a neighbourhood level within the City of Toronto. The goal of the toolkit is to support evidence-based decision-making, particularly with regards to deployment of the primary care workforce and other health system resources. The toolkit looks at population needs and workforce capacity at the neighbourhood, sub-region, and whole city levels. It takes into account variations in population needs, workforce service capacity, and existing assets, and also addresses challenges specific to Toronto, such as patient mobility, anticipated rapid population growth, and physician retirement.

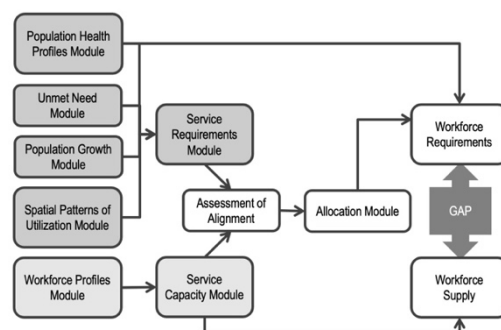
Methodology

The toolkit is composed of a series of modules that assemble information about primary care in the City of Toronto:

- The **Population Health Profiles Module** captures characteristics of the population that impact the need for primary care services.
- The **Population Growth Module** captures neighbourhood-level population growth projections generated by the City of Toronto, allowing us to adjust service requirements to account for anticipated population growth.
- The **Spatial Patterns of Utilization Module** captures a snapshot of primary care utilization patterns and allows us to adjust service requirements to account for patients' care-seeking behaviours.
- The **Unmet Need Module** captures information related to neighbourhood-level unmet healthcare need, which can contribute to an adjustment of service requirements.
- The **Service Requirements Module** estimates primary care service requirements using the CIHI Population Grouping Methodology.
- The **Workforce Profiles Module** captures information about the primary care workforce – including physicians and chiropodists, dieticians, midwives, nurse practitioners, optometrists, occupational therapists, pharmacists, psychologists, physiotherapists, registered nurses, registered practical nurses, respiratory therapists, and speech-language pathologists – practicing in each neighbourhood.
- The **Service Capacity Module** estimates the capacity of the workforce to provide primary care services.

Outputs from these modules are synthesized and summarized in the three static dashboards – Neighbourhood Profiles, Service Requirements, and Service Capacity – that are included in the neighbourhood and subregion packages.

This information is a starting point for local stakeholders wishing to better understand the primary care landscape in their communities. Interpretation of these outputs should consider the local context (factors related to both the community and the local workforce). Engagement and consultation with local stakeholders and frontline healthcare providers are essential parts of the planning process.



Definitions

Sub-Regions: Smaller geographic planning regions within Ontario Regions, developed to help better understand and address patient and population needs at the local level. There are 5 central and 6 peripheral sub-regions in the City of Toronto. One sub-region overlaps with a neighbouring Region and only the part of this sub-region located in Toronto has been included in these analyses. More information about sub-regions is available at <http://www.torontocentrallhin.on.ca/forhsps/subregions.aspx>.

Neighbourhoods: The 140 City of Toronto neighbourhoods were built by the Social Development, Finance & Administration department at the City of Toronto using Statistics Canada Census Tracts. More information about neighbourhoods is available at <https://www.toronto.ca/city-government/data-research-maps/neighbourhoods-communities/neighbourhood-profiles/>.

Comprehensive care physician: Primary care physicians who provide comprehensive care according to the algorithm developed at ICES (<https://www.cmajopen.ca/content/5/4/E856>).

Non-comprehensive care physician: Primary care physicians who practice less than 44 days per year or who otherwise do not meet the criteria to be characterized as providing comprehensive primary care according to the algorithm developed at ICES (<https://www.cmajopen.ca/content/5/4/E856>).

Individual-level Service Requirements: Predicted number of visits to a primary care physician based on clinical and demographic profiles generated by the CIHI Population Grouping Methodology (https://www.cihi.ca/sites/default/files/document/infosheet_popgroupmethod_en_web_0.pdf).

Neighbourhood-level Service Requirements: Neighbourhood-level service requirements are a function of the number of visits to a primary care physician required by neighbourhood residents and by residents of other neighbourhoods in the City, adjusted for spatial patterns of utilization, along with the number of visits required by patients from outside the City of Toronto and an estimate of unmet need.

Total Service Capacity: Neighbourhood-level service capacity is a function of the estimated number of visits provided by comprehensive care physicians who are not expected to exit the workforce, plus the estimated number of visits provided by comprehensive care physicians who are considered to be at risk of retirement, plus the estimated number of visits provided by non-comprehensive care physicians.

Physician Service Capacity: Physician service capacity is estimated on an individual level (based on the total number of visits provided in 2017 (from IPDB)) with adjustment for age-based changes in workload (from <https://www.ncbi.nlm.nih.gov/pmc/articles/PMC6516703/>) and aggregated to the neighbourhood level.

At-risk Service Capacity: Visits associated with physicians whose age-based risk of retirement is at least 20%.

Allied Health Provider: Allied health providers include Chiropractors, Dietitians, Midwives, Nurse Practitioners, Optometrists, Occupational Therapists, Pharmacists, Psychologists, Physiotherapists, Registered Nurses, Registered Practical Nurses, Respiratory Therapists, and Speech-Language Pathologists.

Primary Care Activities: Activities relating directly to primary care include General Service Provision, Continuing Care, Comprehensive Primary Care, Chronic Disease Prevention and Management, Public Health, Mental Health and Addiction, Primary Maternity Care, Geriatric Care, Infectious Disease Prevention and Control, and Palliative Care.

Average Weekly Hours Available: The average weekly hours of direct professional services in activities identified as relating directly to primary care, estimated based on past hours worked. Note that this estimate represents normal hours of service that the workforce undertook, not "potential" or "extra" available hours. These are descriptive estimates, not projections, and may not represent future workforce service capacity.

Sources of Data

- **Population Health Profiles:** Ontario Community Health Profiles Partnership (OCHPP)
- **Ontario Marginalization Index:** OCHPP
- **Population Growth:** City of Toronto Planning Department
- **Unmet Need:** OCHPP
- **Spatial Patterns of Utilization:** Utilization Matrix generated using data from ICES through an AHRQ request
- **Service Requirements:** CIHI Population Grouping Methodology outputs provided by the Ontario Ministry of Health
- **Primary Care Workforce Profile & Service Capacity (Physicians):** ICES Physician Database (IPDB) accessed through OCHPP
- **Primary Care Workforce Profile & Service Capacity (Other Health Professionals):** Health Professions Database (HPDB) outputs provided by the Ontario Ministry of Health

Assumptions

Service requirements are estimated assuming a Medium population growth scenario and a 10-year horizon.

We assume linear residential development and population growth between the base year and the horizon year.

In our baseline scenario, we assume that new residents of a neighbourhood will have a similar profile and service requirements to those currently residing within the neighbourhood.

We adjust for population mobility using a snapshot of spatial patterns of utilization observed in FY 2017/18.

We assume that providers' age-based changes in workload and retirement probabilities will be consistent with those observed in comprehensive primary care physicians practicing in Ontario between 1992 and 2013 (from <https://www.ncbi.nlm.nih.gov/pmc/articles/PMC6516703/>).

Limitations

Neighbourhood geographies are not specifically designed for primary care health workforce planning.

Some neighbourhoods are split between subregions. In these cases, neighbourhoods have been assigned to a single subregion as follows:

Neighbourhood Name (Number)	Split Between Sub-Regions	Assigned To
Kingsview Village-The Westway (6)	North Etobicoke Malton West Woodbridge & North York West	North Etobicoke Malton West Woodbridge
Willowridge-Martingrove-Richview (7)	North Etobicoke Malton West Woodbridge & North York West	North Etobicoke Malton West Woodbridge
Islington-City Centre West (14)	South Etobicoke & West Toronto	South Etobicoke
Victoria Village (43)	North York Central & East Toronto	East Toronto
Leaside-Bennington (56)	North Toronto & Mid-East Toronto	North Toronto
South Riverdale (70)	Mid-East Toronto & East Toronto	East Toronto
Waterfront Communities-The Island (77)	Mid-West Toronto & Mid-East Toronto	Mid-East Toronto
Yonge-St.Clair (97)	Mid-West Toronto & North Toronto	North Toronto
Clairlea-Birchmount (120)	East Toronto & Scarborough South	East Toronto
Birchcliffe-Cliffside (122)	East Toronto & Scarborough South	East Toronto

Sub-Region boundaries do not equate to Ontario Health Team (OHT) boundaries, but are used as a proxy to show the approximate catchment area served by OHTs.

Unmet need is currently not accounted for in the estimate of Service Requirements. A process to define quantitative estimates of unmet need through engagement with local stakeholders is in development for operationalization during the next phase of planning.

Estimates of service capacity for physicians are in *visits*, while estimates of service capacity for allied health providers are in *hours per week*.

The information in the HPDB was provided on an "as-is" basis. The data were originally obtained by the Ministry of Health directly from health regulatory Colleges. The Ministry therefore cannot and does not warrant or represent that the information is accurate, complete, reliable or current.

Spatial patterns of utilization and the primary care workforce are not independent; there is an interaction and observed patterns can change over time. For more information about the neighbourhood- and sub-region-level spatial patterns of utilization methodology, results, and visualizations, please contact Ontario Health Toronto.

Due to the data lags associated with the use of administrative data for planning, the most recent year of data input into this planning exercise is for FY 2018/19 and trends that have since emerged are not reflected in our analysis.

Our workforce model projects forward current capacity available within the system and does not model the impact of entry of new health care providers into the workforce. The neighbourhood-level gaps between service capacity and service requirements illustrated in our outputs can be used to identify neighbourhoods where additional resources are required to meet primary care needs.

Abbreviations

ACSC – Ambulatory Care Sensitive Condition
AHRQ – Applied Health Research Question
CIHI – Canadian Institute for Health Information
COPD – Chronic Obstructive Pulmonary Disease
ED – Emergency Department
FY – Fiscal Year
NP – Nurse Practitioner
OCHPP – Ontario Community Health Profiles Partnership
OHT – Ontario Health Teams
OT – Occupational Therapist
PEM – Patient Enrolment Model
PT – Physiotherapist
RN – Registered Nurse
RPN – Registered Practical Nurse
RT – Respiratory Therapist
SLP – Speech & Language Pathologist

Contact

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V1 May 2022