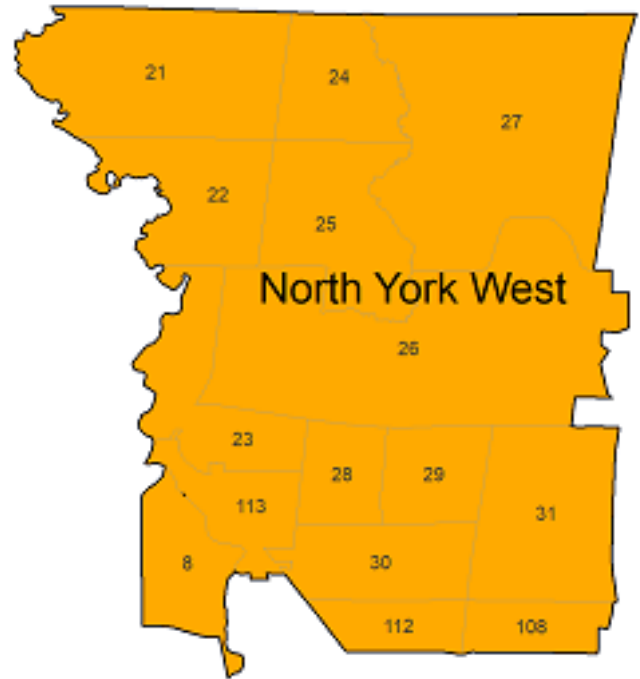
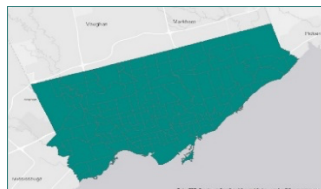


Sub-Region 801 North York West

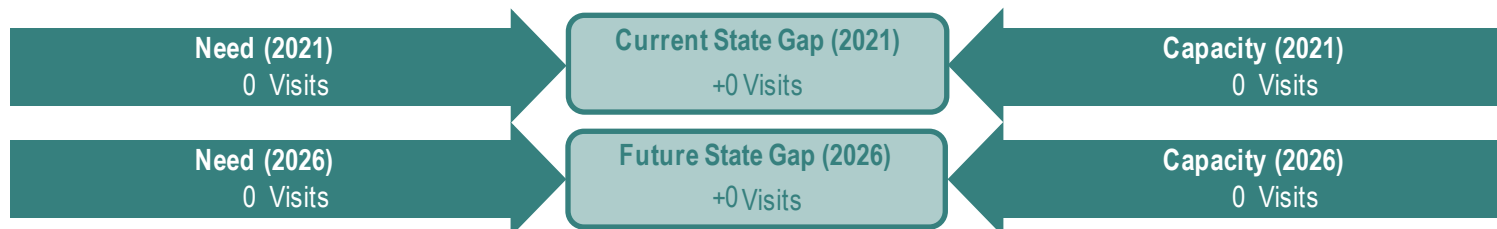
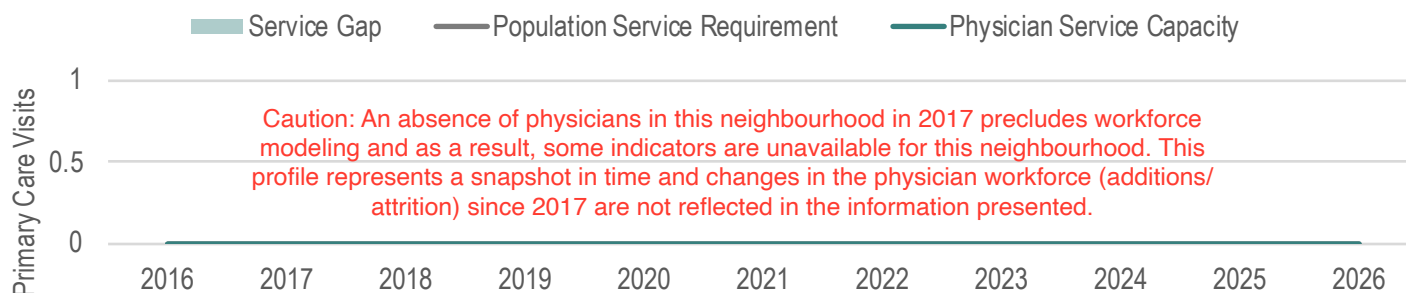
Neighbourhoods	
8	Humber Heights-Westmount
21	Humber Summit
22	Humbermede
23	Pelmo Park-Humberlea
24	Black Creek
25	Glenfield-Jane Heights
26	Downsview-Roding-CFB
27	York University Heights
28	Rustic
29	Maple Leaf
30	Brookhaven-Amesbury
31	Yorkdale-Glen Park
108	Briar Hill - Belgravia
112	Beechborough-Greenbrook
113	Weston





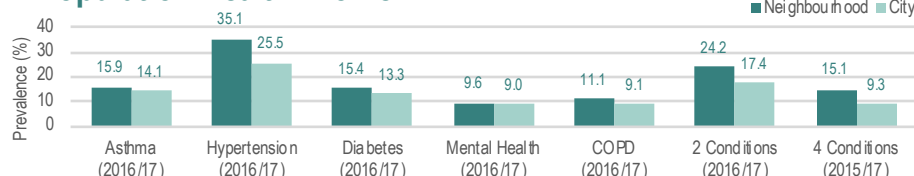
Primary Care Workforce Planning

Neighbourhood Profile: Humber Heights-Westmount



Population (2016)			
Children	Youth	Working Age	Seniors
1,860	1,425	6,660	3,410
13.9 %	10.7 %	49.8 %	25.5 %

Population Health Profile



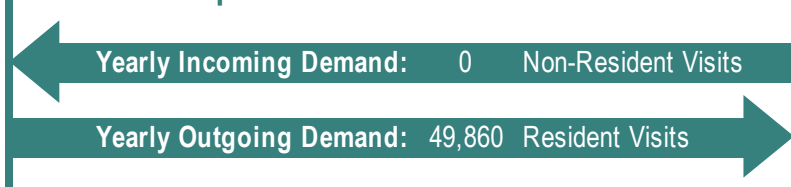
Population Growth

Year	Population Estimates (Low-High)	Estimated Yearly Growth
2016	10,948	Neigh: 1.57 % - 2.47 % City: 1.60 % - 2.50 %
2021	12,153 - 12,302	
2026	13,358 - 13,655	

Ontario Marginalization Index (2016)

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

Spatial Patterns of Utilization



Unmet Need for Primary Care

Indicator	Neigh.	City
PEM Attachment (%)	71.4	71.6
ACSC Hospitalization / 100,000	229.1	244.4
Low Urgency ED (%)	91.6	81.5

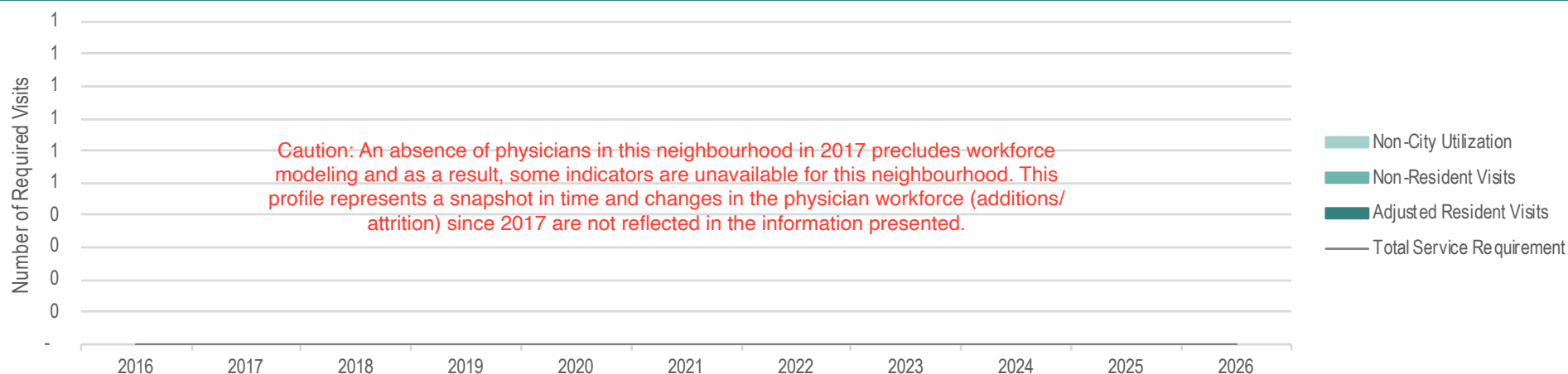
Primary Care Workforce Profile

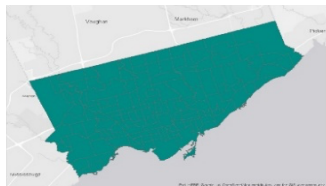
Number of Comprehensive Primary Care Physicians		Average Weekly Hours Available	Year	Chiropractors	Dietitians	Midwives	NPs	OTs	Optometrists	Pharmacists	PTs	Psychologists	RNs	RPNs	RTs	SLPs
2016	0			0	0	0	0	1	0	80	11	0	135	928	0	0
2017	0			0	0	0	16	0	14	74	12	0	148	972	0	0
2018	0			0	0	0	15	0	21	30	0	0	140	914	0	0



Total Service Requirements =

- $$\begin{aligned}
 & \mathbf{1 - Resident Visits:} \text{ Number of resident visits expected to be accessed in their neighbourhood of residence based on baseline spatial patterns of utilization} \\
 & \quad + \\
 & \mathbf{2 - Non-Resident Visits:} \text{ Number of non-resident visits expected to be accessed in the neighbourhood based on baseline spatial patterns of utilization} \\
 & \quad + \\
 & \mathbf{3 - Non-City Utilization:} \text{ Number of visits expected to be utilized by non-city residents in the neighbourhood based on baseline spatial patterns of utilization}
 \end{aligned}$$

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Primary Care Workforce Planning

Service Capacity Module: Humber Heights-Westmount

Examine the Sources of Service Capacity at a Neighbourhood Level

Total Service Capacity =

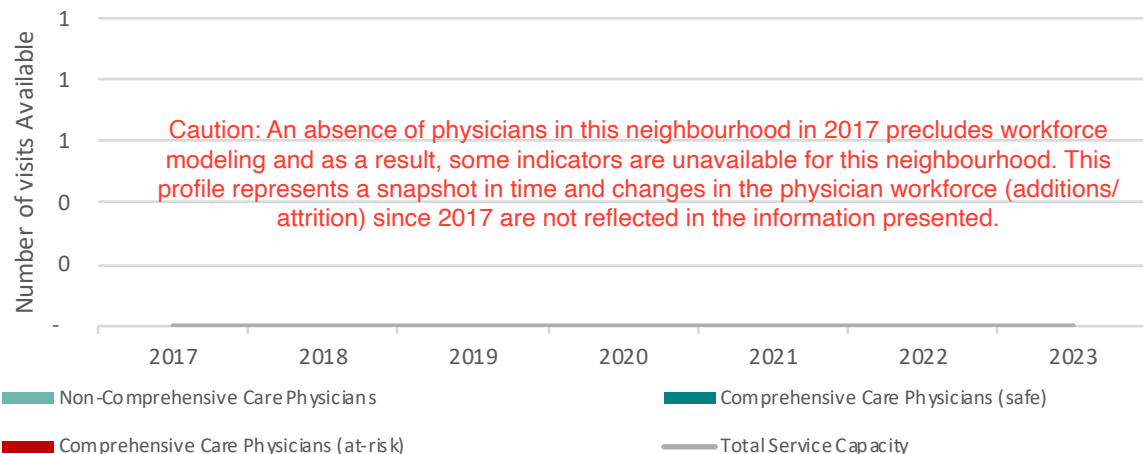
Comprehensive Care Physicians' Safe Service Capacity: Estimated number of services provided by comprehensive care physicians who are not expected to be at risk of exit from the workforce

+

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
Dietitians	0	0	0
Midwives	0	0	0
NPs	0	16	15
OTs	1	0	0
Optometrists	0	14	21
Pharmacists	80	74	30
PTs	11	12	0
Psychologists	0	0	0
RNs	135	148	140
RPNs	928	972	914
RTs	0	0	0
SLPs	0	0	0

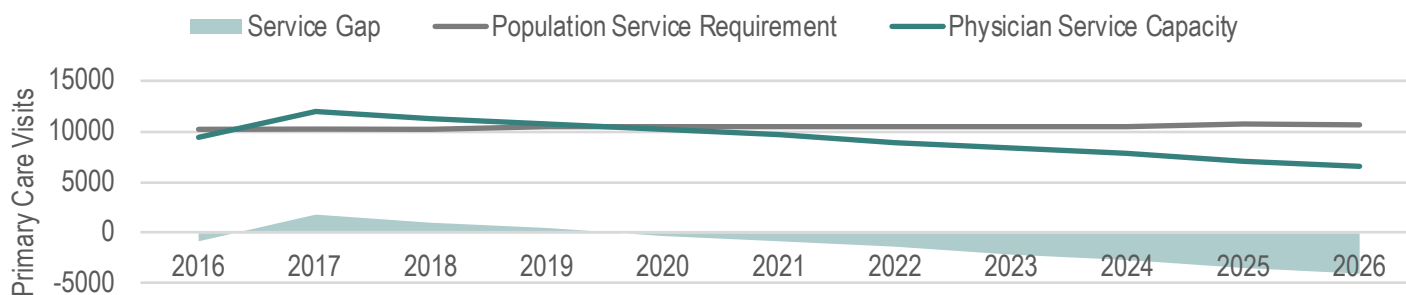
Number of Comprehensive Primary Care Physicians	
2016	0
2017	0

	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	0	0	0	0	0	0	0
Non-Comprehensive Care Physicians' Service Capacity	0						
Total Service Capacity	0	0	0	0	0	0	0



Primary Care Workforce Planning

Neighbourhood Profile: Humber Summit



Need (2021)
10,434 Visits

Current State Gap (2021)
-890 Visits

Capacity (2021)
9,544 Visits

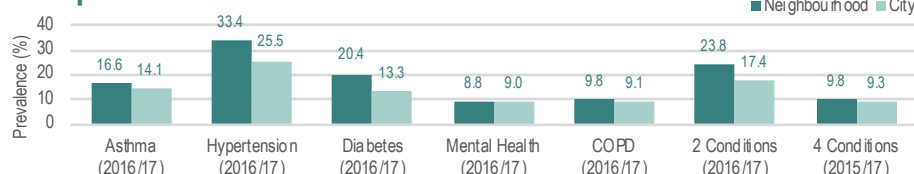
Need (2026)
10,635 Visits

Future State Gap (2026)
-4,111 Visits

Capacity (2026)
6,524 Visits

Population (2016)			
Children	Youth	Working Age	Seniors
2,145	1,720	6,160	2,375
17.3 %	13.8 %	49.6 %	19.1 %

Population Health Profile



Population Growth

Year	Population Estimates (Low-High)	Estimated Yearly Growth
2016	12,416	Neigh: 0.39 % - 0.62 % City: 1.60 % - 2.50 %
2021	12,759 - 12,798	
2026	13,101 - 13,180	

Ontario Marginalization Index (2016)

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

Spatial Patterns of Utilization

Yearly Incoming Demand: 6,783 Non-Resident Visits

Yearly Outgoing Demand: 47,704 Resident Visits

Unmet Need for Primary Care

Indicator	Neigh.	City
PEM Attachment (%)	74.9	71.6
ACSC Hospitalization / 100,000	347.1	244.4
Low Urgency ED (%)	56.8	81.5

Primary Care Workforce Profile

Number of Comprehensive Primary Care Physicians		Average Weekly Hours Available	Year	Chiropodists	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	0	0	0	0	0	45	0	0	11	4	0	0
2017	(1-5)		2017	0	9	0	41	0	0	46	11	0	3	0	0	0
2017	(1-5)		2018	0	11	0	39	0	0	59	20	0	7	9	0	0



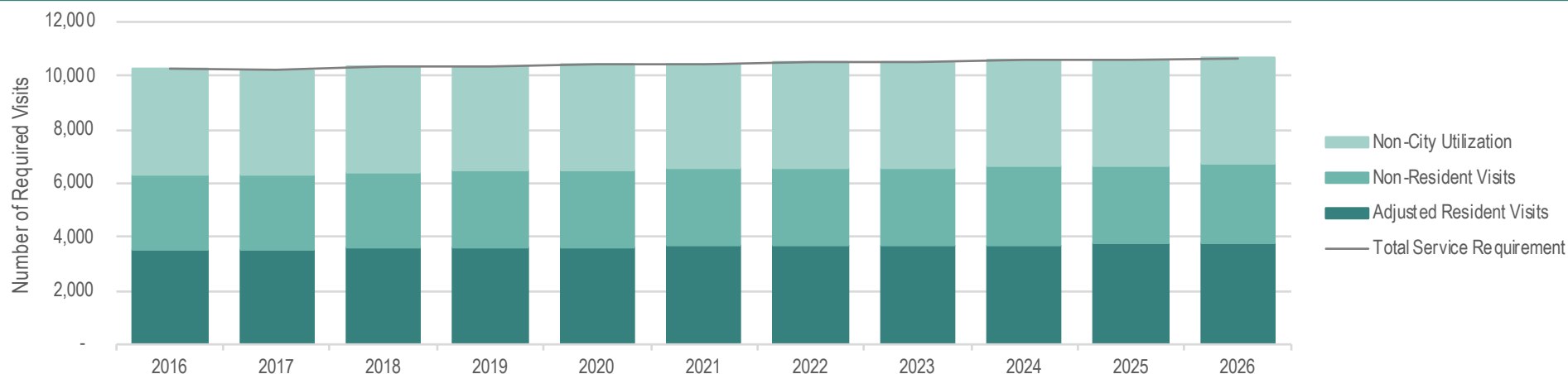
Primary Care Workforce Planning

Service Requirements Module: Humber Summit

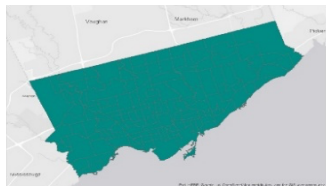
Examine the Sources of Service Requirements at a Neighbourhood Level

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	12,949	13,024	13,100	13,175	13,251	13,326	13,401	13,477	13,552	13,628	13,703
Resident Visits	49,956	49,577	50,538	50,829	51,120	51,411	51,702	51,993	52,283	52,574	52,865
Proportion of Care Accessed Within Home Neighbourhood	7.1%										
Resident Visits Adjusted for Spatial Patterns of Utilization	3,547	3,520	3,588	3,609	3,630	3,650	3,671	3,691	3,712	3,733	3,753
Non-Resident Visits	2,776	2,787	2,815	2,835	2,854	2,874	2,893	2,913	2,932	2,952	2,971
Non-City Utilization	3,910										
Total Service Requirement	10,233	10,217	10,313	10,353	10,394	10,434	10,474	10,514	10,554	10,594	10,635



Primary Care Workforce Planning

Service Capacity Module: Humber Summit

Examine the Sources of Service Capacity at a Neighbourhood Level

Total Service Capacity =

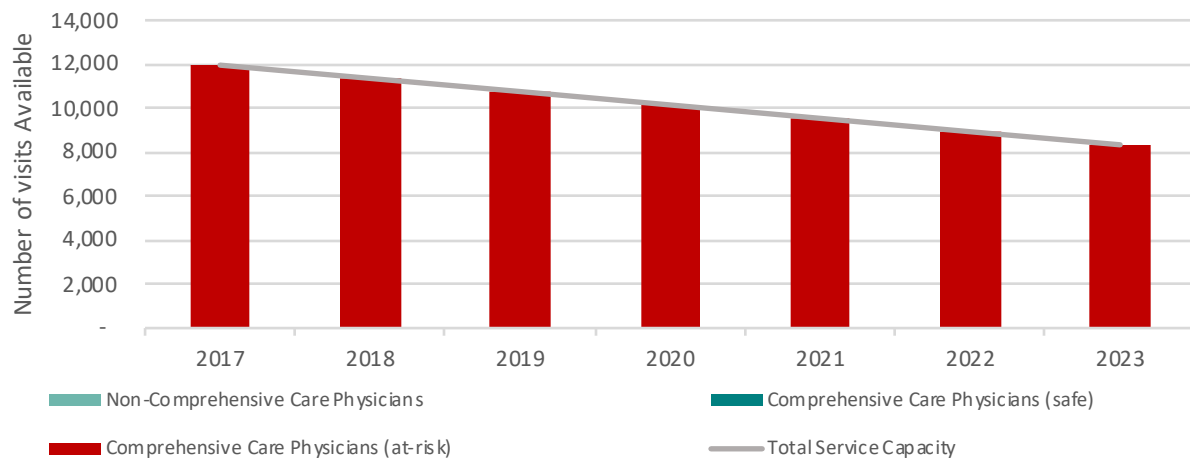
Comprehensive Care Physicians' Safe Service Capacity: Estimated number of services provided by comprehensive care physicians who are not expected to be at risk of exit from the workforce

+

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



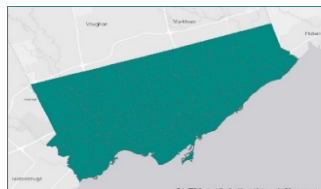
Allied Health Professionals Average Weekly Hours Available

Profession	2016	2017	2018
Chiropractors	0	0	0
Dieticians	0	9	11
Midwives	0	0	0
NPs	0	41	39
OTs	0	0	0
Optometrists	0	0	0
Pharmacists	45	46	59
PTs	0	11	20
Psychologists	0	0	0
RNs	11	3	7
RPNs	4	0	9
RTs	0	0	0
SLPs	0	0	0

Number of Comprehensive Primary Care Physicians

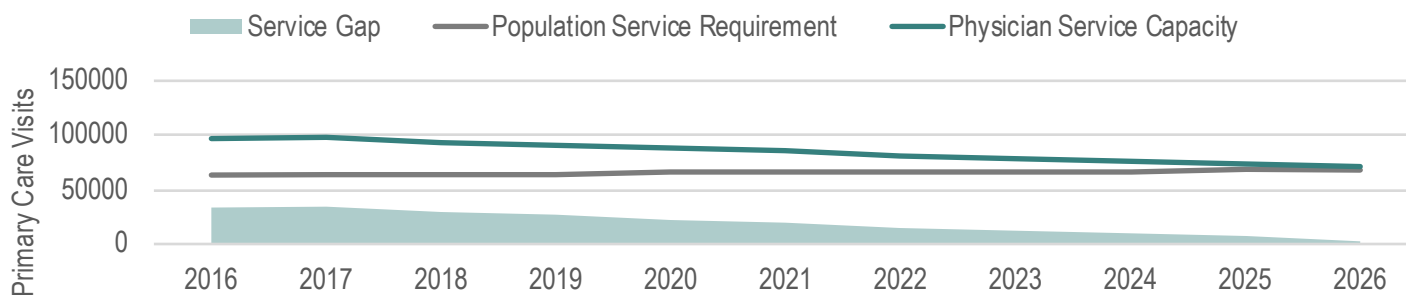
2016	(1-5)
2017	(1-5)

	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	11,960	11,356	10,752	10,148	9,544	8,940	8,336
Non-Comprehensive Care Physicians' Service Capacity	0						
Total Service Capacity	11,960	11,356	10,752	10,148	9,544	8,940	8,336



Primary Care Workforce Planning

Neighbourhood Profile: Humbermede



Need (2021)
65,675 Visits

Current State Gap (2021)
+19,249 Visits

Capacity (2021)
84,924 Visits

Need (2026)
67,970 Visits

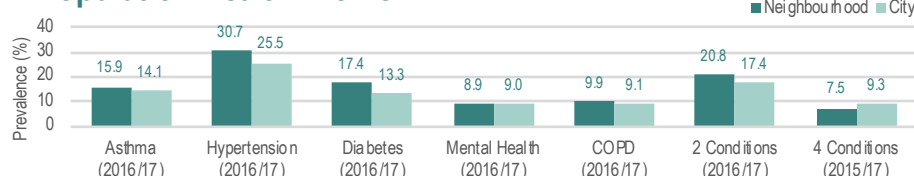
Future State Gap (2026)
+3,210 Visits

Capacity (2026)
71,180 Visits

Population (2016)

Children	Youth	Working Age	Seniors
2,950	2,215	8,235	2,165
19.0 %	14.3 %	53.0 %	13.9 %

Population Health Profile



Population Growth

Year	Population Estimates (Low-High)	Estimated Yearly Growth
2016	15,545	Neigh: 1.02 % - 1.60 % City: 1.60 % - 2.50 %
2021	16,651 - 16,785	
2026	17,757 - 18,025	

Ontario Marginalization Index (2016)

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

Spatial Patterns of Utilization

Yearly Incoming Demand: 47,105 Non-Resident Visits

Yearly Outgoing Demand: 48,611 Resident Visits

Unmet Need for Primary Care

Indicator	Neigh.	City
PEM Attachment (%)	73.2	71.6
ACSC Hospitalization / 100,000	231.2	244.4
Low Urgency ED (%)	65.0	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	13		2016	0	0	0	32	0	0	278	50	0	0	0	0	0
2017	13		2017	0	0	0	0	0	50	282	43	0	0	9	0	0
			2018	0	0	0	0	0	40	178	10	0	0	7	0	0



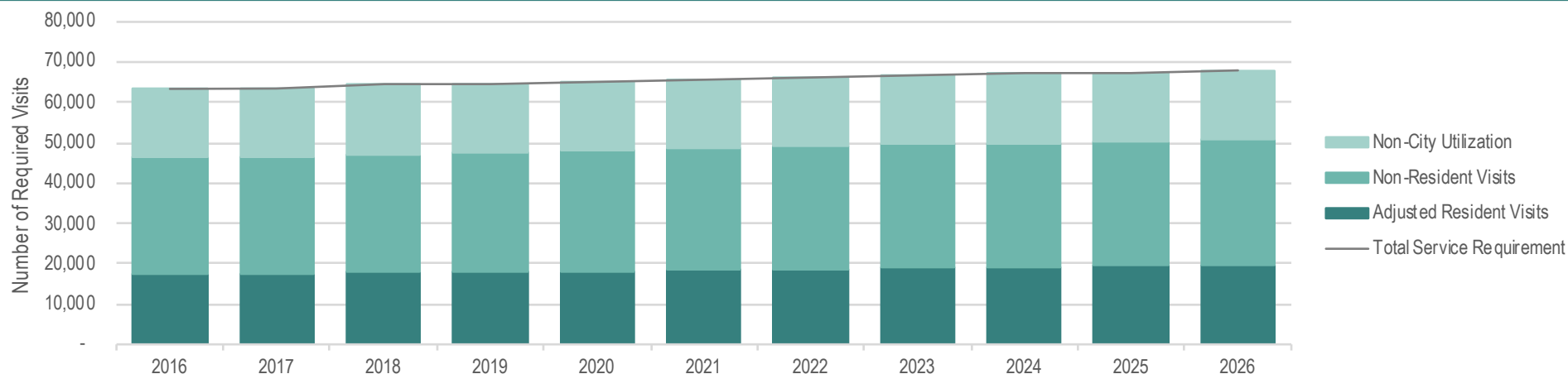
Primary Care Workforce Planning

Service Requirements Module: Humbermede

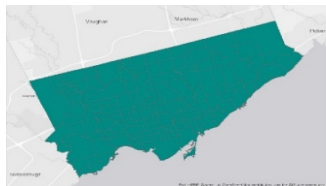
Examine the Sources of Service Requirements at a Neighbourhood Level

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	17,212	17,456	17,700	17,944	18,188	18,432	18,676	18,920	19,164	19,408	19,652
Resident Visits	62,766	62,860	64,546	65,435	66,325	67,215	68,105	68,994	69,884	70,774	71,664
Proportion of Care Accessed Within Home Neighbourhood	27.6%										
Resident Visits Adjusted for Spatial Patterns of Utilization	17,323	17,349	17,815	18,060	18,306	18,551	18,797	19,042	19,288	19,534	19,779
Non-Resident Visits	28,987	29,000	29,414	29,628	29,841	30,054	30,268	30,481	30,695	30,908	31,121
Non-City Utilization	17,069										
Total Service Requirement	63,380	63,419	64,298	64,757	65,216	65,675	66,134	66,593	67,052	67,511	67,970



Primary Care Workforce Planning

Service Capacity Module: Humbermede

Examine the Sources of Service Capacity at a Neighbourhood Level

Total Service Capacity =

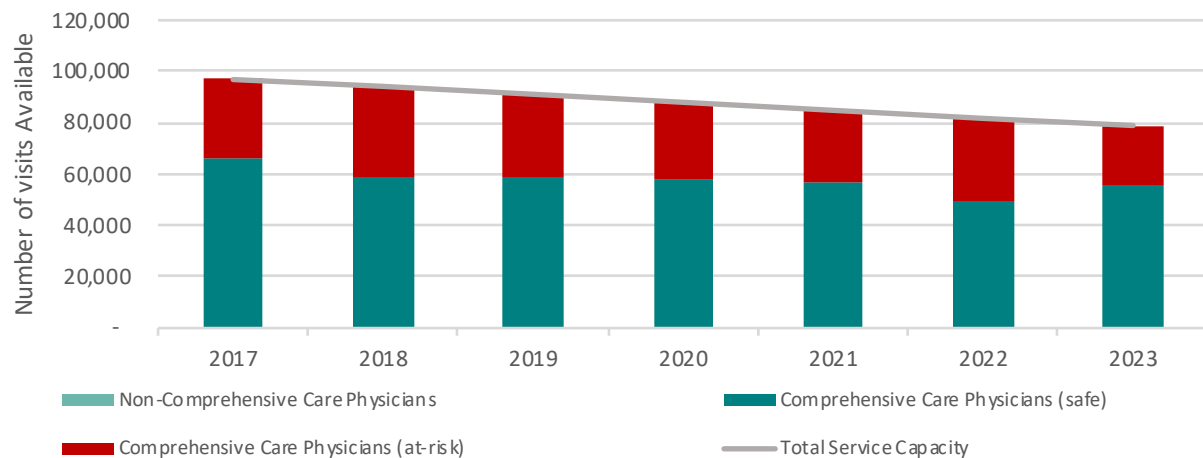
Comprehensive Care Physicians' Safe Service Capacity: Estimated number of services provided by comprehensive care physicians who are not expected to be at risk of exit from the workforce

+

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



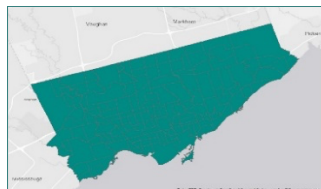
Allied Health Professionals Average Weekly Hours Available

Profession	2016	2017	2018
Chiroprodists	0	0	0
Dieticians	0	0	0
Midwives	0	0	0
NPs	32	0	0
OTs	0	0	0
Optometrists	0	50	40
Pharmacists	278	282	178
PTs	50	43	10
Psychologists	0	0	0
RNs	0	0	0
RPNs	0	9	7
RTs	0	0	0
SLPs	0	0	0

Number of Comprehensive Primary Care Physicians

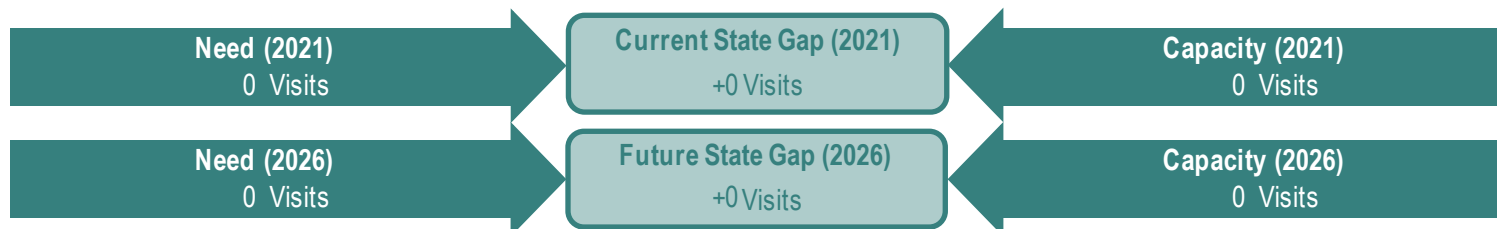
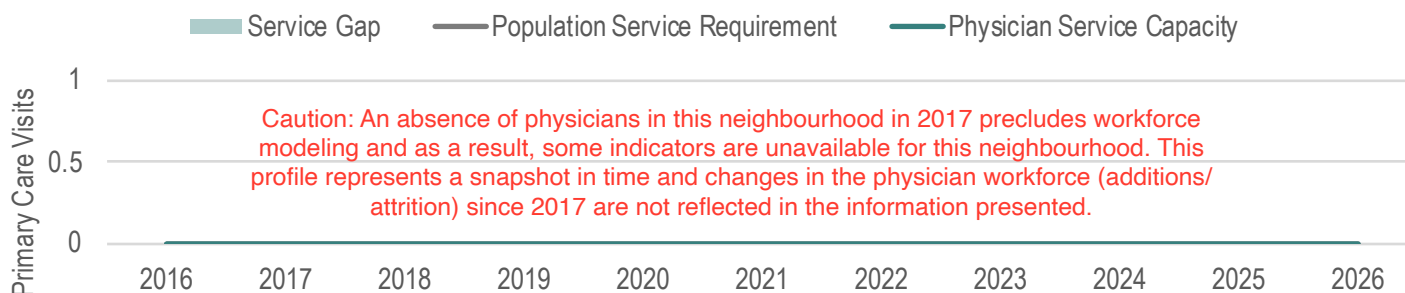
2016	13
2017	13

	2017	2018	2019	2020	2021	2022	2023
Comprehensive Care Physicians' Safe Service Capacity	66,127	59,226	58,527	57,828	57,129	49,684	55,731
Comprehensive Care Physicians' At-Risk Service Capacity	30,769	34,677	32,383	30,089	27,795	32,247	23,243
Non-Comprehensive Care Physicians' Service Capacity	0						
Total Service Capacity	96,896	93,903	90,910	87,917	84,924	81,931	78,974



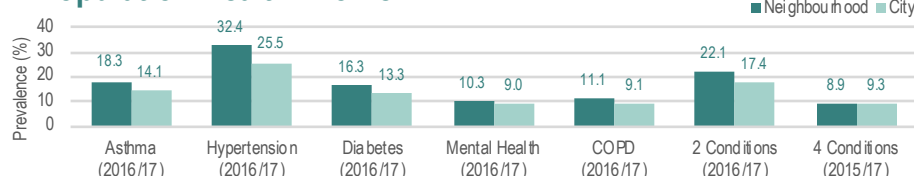
Primary Care Workforce Planning

Neighbourhood Profile: Pelmo Park-Humberlea



Population (2016)			
Children	Youth	Working Age	Seniors
1,750	1,385	6,025	1,585
16.3 %	12.9 %	56.2 %	14.8 %

Population Health Profile



Population Growth

Year	Population Estimates (Low-High)	Estimated Yearly Growth
2016	10,722	Neigh: 0.05 % - 0.07 %
2021	10,756 - 10,759	City: 1.60 % - 2.50 %
2026	10,790 - 10,795	

Ontario Marginalization Index (2016)

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

Spatial Patterns of Utilization



Unmet Need for Primary Care

Indicator	Neigh.	City
PEM Attachment (%)	72.2	71.6
ACSC Hospitalization / 100,000	286.8	244.4
Low Urgency ED (%)	73.1	81.5

Primary Care Workforce Profile

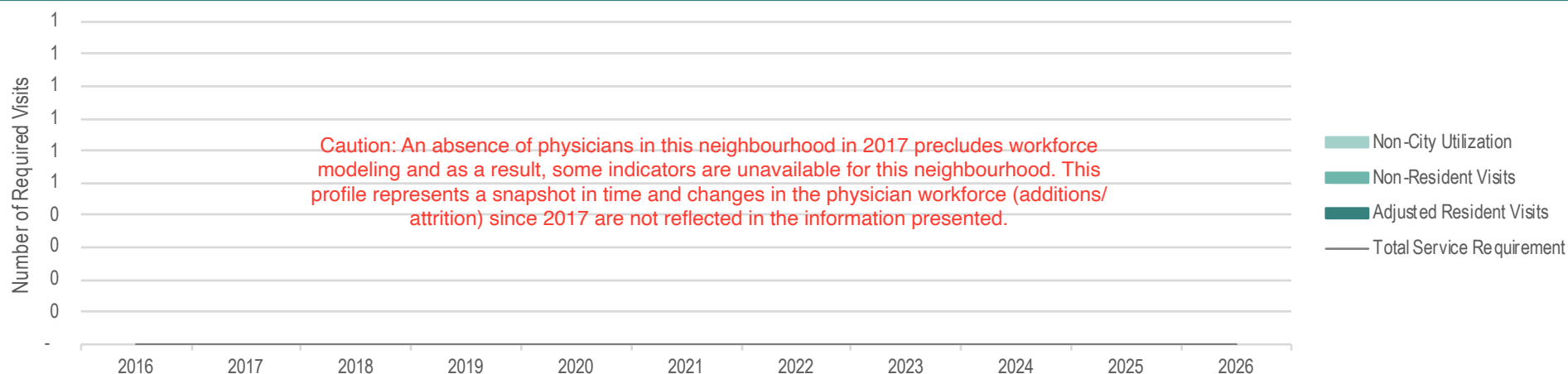
Number of Comprehensive Primary Care Physicians		Average Weekly Hours Available	Year	Chiropractors	Dietitians	Midwives	NPs	OTs	Optometrists	Pharmacists	PTs	Psychologists	RNs	RPNs	RTs	SLPs
2016	0		2016	0	49	0	0	0	0	98	13	0	1,102	155	0	0
2017	0		2017	0	42	0	0	0	0	141	42	0	1,009	124	0	0
2017	0		2018	0	67	0	0	0	20	0	0	0	945	127	0	0

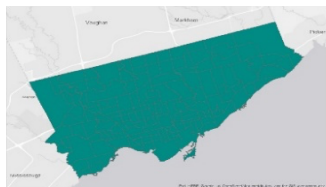


Examine the Sources of Service Requirements at a Neighbourhood Level

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

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Primary Care Workforce Planning

Service Capacity Module: Pelmo Park-Humberlea

Examine the Sources of Service Capacity at a Neighbourhood Level

Total Service Capacity =

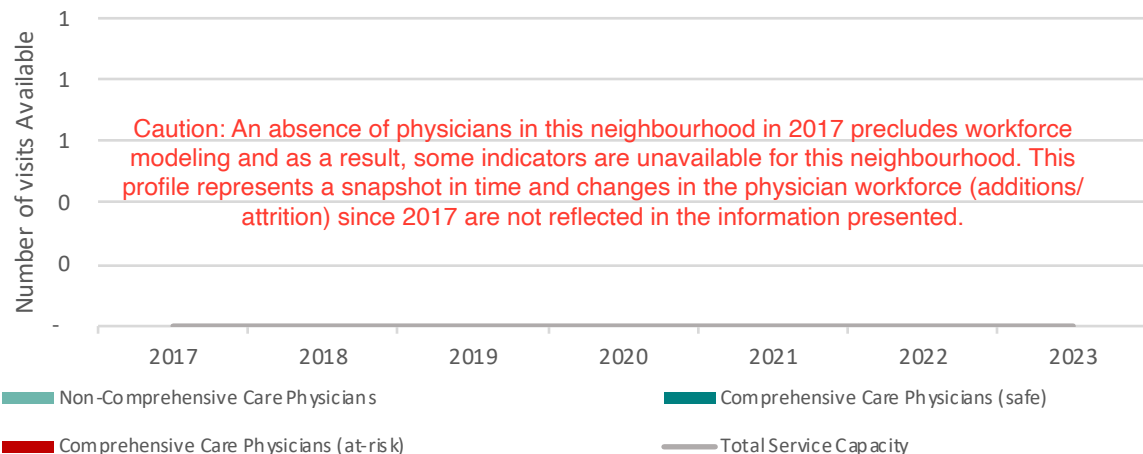
Comprehensive Care Physicians' Safe Service Capacity: Estimated number of services provided by comprehensive care physicians who are not expected to be at risk of exit from the workforce

+

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

+

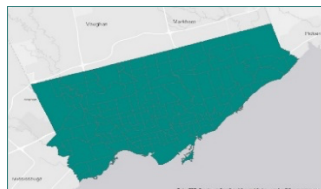
Service Capacity Generated by Non-Comprehensive Care Physicians: Estimated number of services provided by non-comprehensive care physicians



Allied Health Professionals Average Weekly Hours Available			
Profession	2016	2017	2018
Chiropractors	0	0	0
Dieticians	49	42	67
Midwives	0	0	0
NPs	0	0	0
OTs	0	0	0
Optometrists	0	0	20
Pharmacists	98	141	0
PTs	13	42	0
Psychologists	0	0	0
RNs	1,102	1,009	945
RPNs	155	124	127
RTs	0	0	0
SLPs	0	0	0

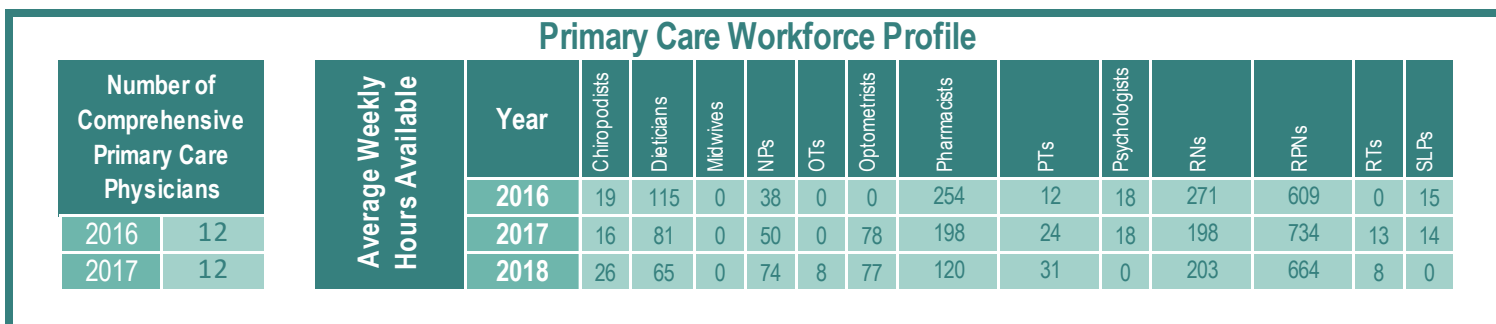
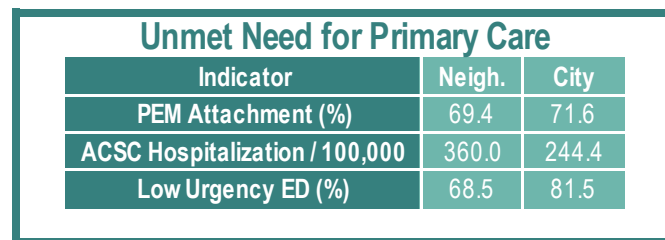
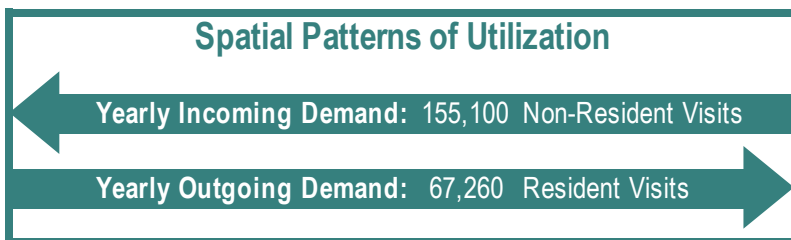
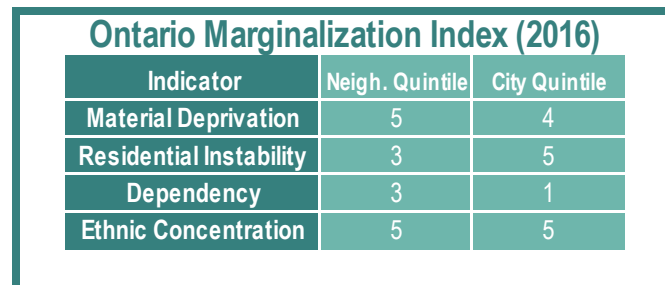
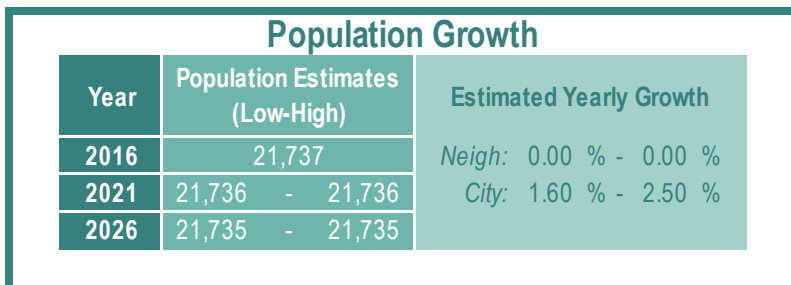
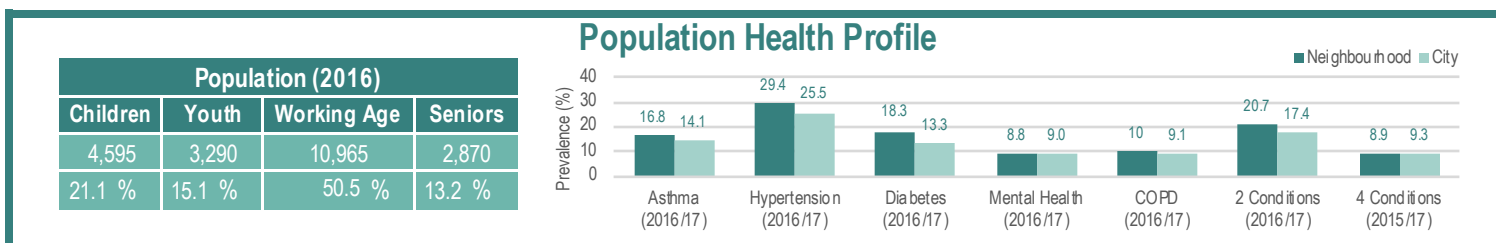
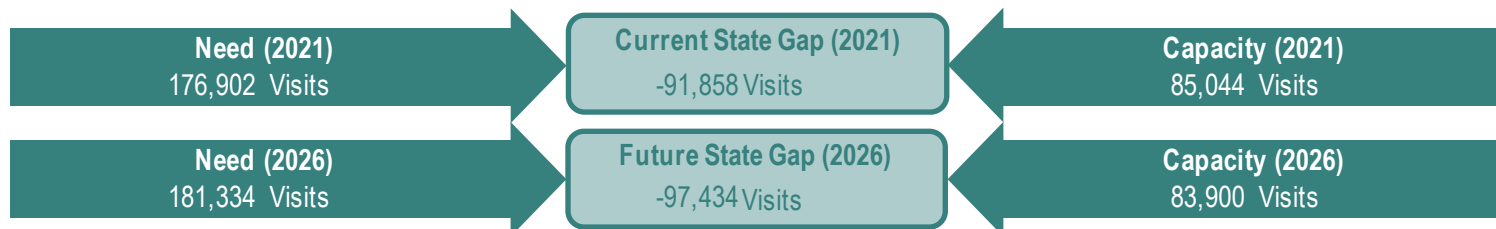
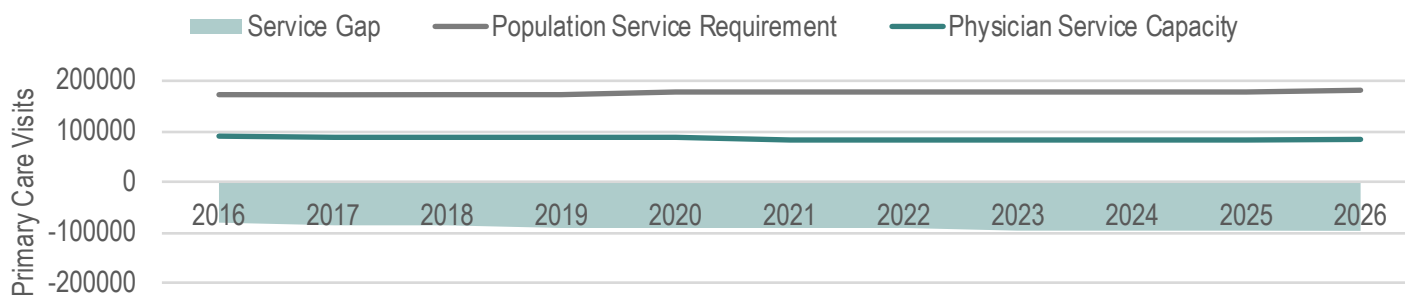
Number of Comprehensive Primary Care Physicians	
2016	0
2017	0

	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	0	0	0	0	0	0	0
Non-Comprehensive Care Physicians' Service Capacity	0						
Total Service Capacity	0	0	0	0	0	0	0



Primary Care Workforce Planning

Neighbourhood Profile: Black Creek





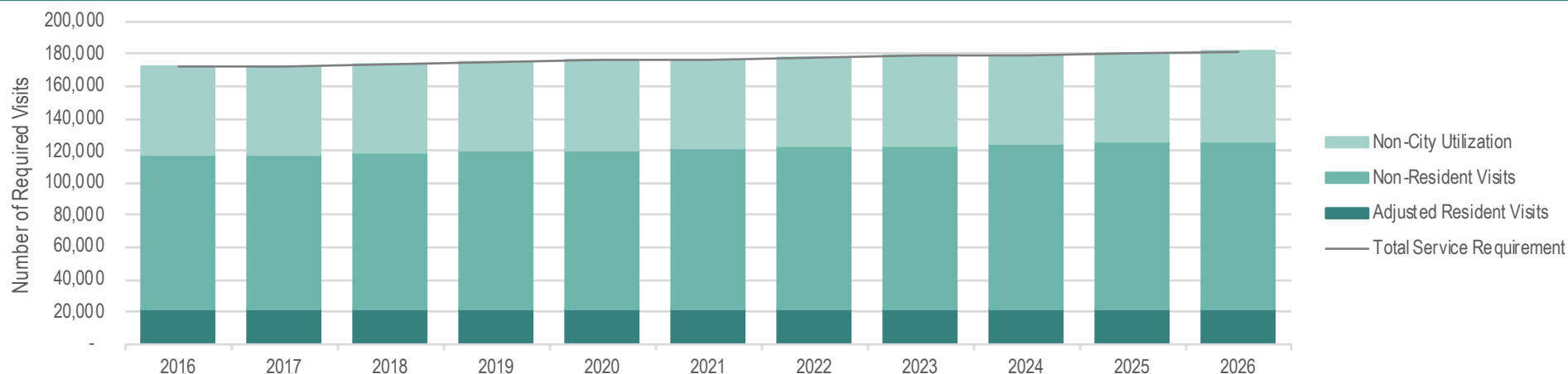
Primary Care Workforce Planning

Service Requirements Module: Black Creek

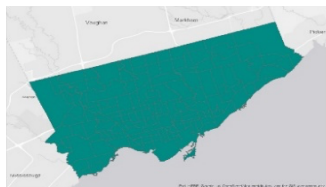
Examine the Sources of Service Requirements at a Neighbourhood Level

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	24,499	24,499	24,499	24,499	24,499	24,499	24,499	24,499	24,499	24,499	24,499
Resident Visits	89,082	87,826	89,082	89,082	89,082	89,082	89,082	89,082	89,082	89,082	89,082
Proportion of Care Accessed Within Home Neighbourhood	24.4%										
Resident Visits Adjusted for Spatial Patterns of Utilization	21,736	21,430	21,736	21,736	21,736	21,736	21,736	21,736	21,736	21,736	21,736
Non-Resident Visits	95,585	95,748	97,358	98,244	99,131	100,017	100,903	101,790	102,676	103,562	104,449
Non-City Utilization	55,149										
Total Service Requirement	172,470	172,327	174,243	175,129	176,016	176,902	177,788	178,675	179,561	180,447	181,334



Primary Care Workforce Planning

Service Capacity Module: Black Creek

Examine the Sources of Service Capacity at a Neighbourhood Level

Total Service Capacity =

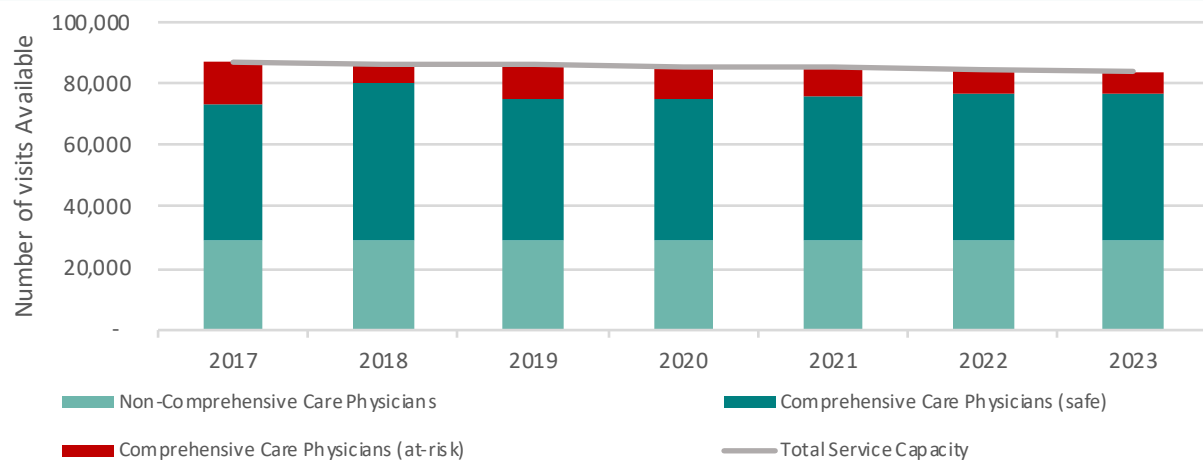
Comprehensive Care Physicians' Safe Service Capacity: Estimated number of services provided by comprehensive care physicians who are not expected to be at risk of exit from the workforce

+

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



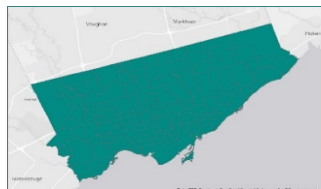
Allied Health Professionals Average Weekly Hours Available

Profession	2016	2017	2018
Chiropractors	19	16	26
Dietitians	115	81	65
Midwives	0	0	0
NPs	38	50	74
OTs	0	0	8
Optometrists	0	78	77
Pharmacists	254	198	120
PTs	12	24	31
Psychologists	18	18	0
RNs	271	198	203
RPNs	609	734	664
RTs	0	13	8
SLPs	15	14	0

Number of Comprehensive Primary Care Physicians

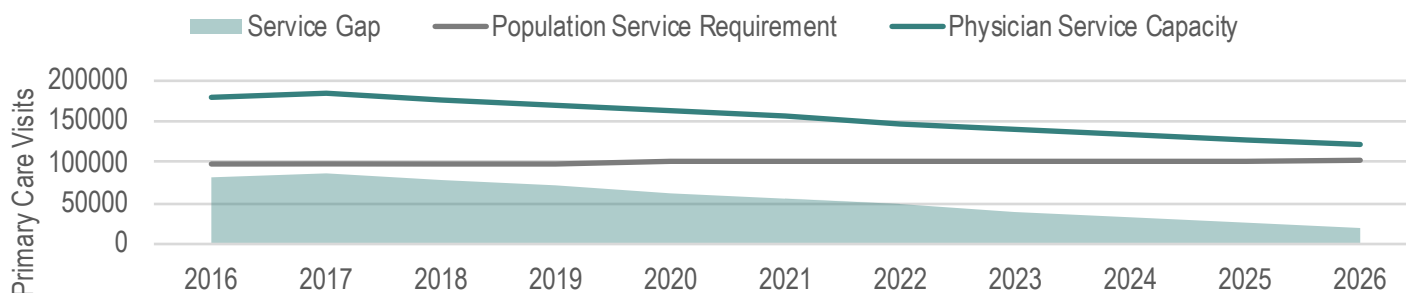
2016	12
2017	12

	2017	2018	2019	2020	2021	2022	2023
Comprehensive Care Physicians' Safe Service Capacity	44,798	51,442	45,980	46,571	47,162	47,753	48,344
Comprehensive Care Physicians' At-Risk Service Capacity	13,369	6,227	11,191	10,102	9,013	7,924	6,837
Non-Comprehensive Care Physicians' Service Capacity	28,869						
Total Service Capacity	87,036	86,538	86,040	85,542	85,044	84,546	84,050



Primary Care Workforce Planning

Neighbourhood Profile: Glenfield-Jane Heights



Need (2021)
100,447 Visits

Current State Gap (2021)
+55,325 Visits

Capacity (2021)
155,772 Visits

Need (2026)
102,641 Visits

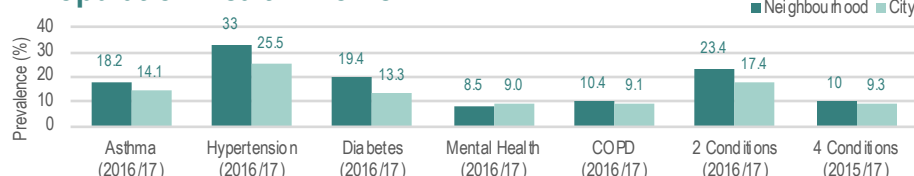
Future State Gap (2026)
+19,334 Visits

Capacity (2026)
121,975 Visits

Population (2016)

Children	Youth	Working Age	Seniors
5,810	4,520	15,195	5,000
19.0 %	14.8 %	49.8 %	16.4 %

Population Health Profile



Population Growth

Year	Population Estimates (Low-High)	Estimated Yearly Growth
2016	30,491	Neigh: 0.09 % - 0.15 % City: 1.60 % - 2.50 %
2021	30,691 - 30,713	
2026	30,891 - 30,935	

Ontario Marginalization Index (2016)

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

Spatial Patterns of Utilization

← **Yearly Incoming Demand:** 82,247 Non-Resident Visits

Yearly Outgoing Demand: 104,506 Resident Visits →

Unmet Need for Primary Care

Indicator	Neigh.	City
PEM Attachment (%)	72.5	71.6
ACSC Hospitalization / 100,000	290.1	244.4
Low Urgency ED (%)	67.1	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	31			39	0	0	0	0	0	479	38	0	237	858	0	0
2017	29			39	0	0	0	0	175	426	42	0	210	893	0	0
2018	29			39	8	0	0	0	169	139	4	0	214	855	0	0



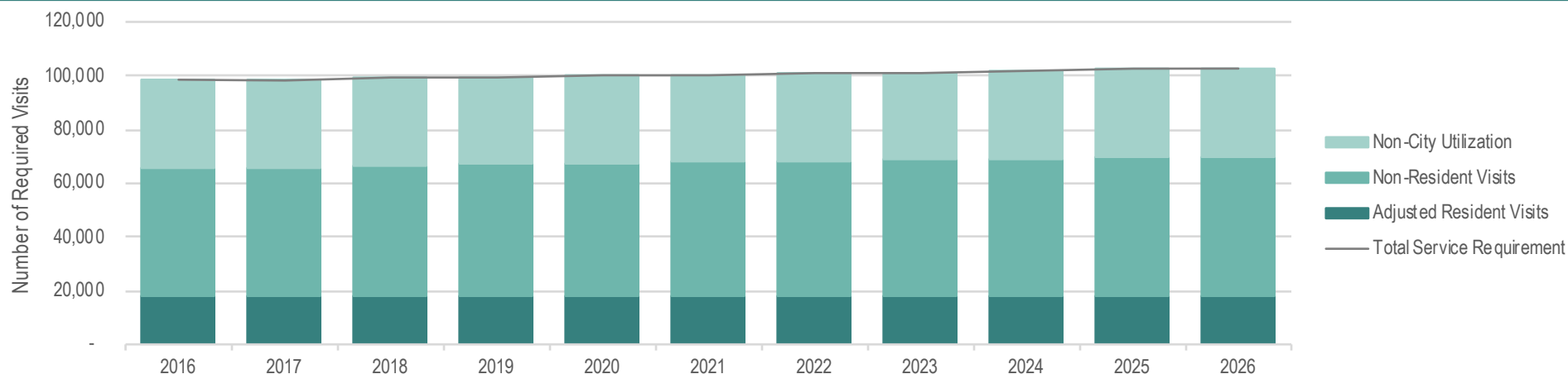
Primary Care Workforce Planning

Service Requirements Module: Glenfield-Jane Heights

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	32,464	32,508	32,552	32,596	32,640	32,684	32,727	32,771	32,815	32,859	32,903
Resident Visits	122,039	119,953	122,369	122,534	122,699	122,864	123,029	123,194	123,359	123,524	123,689
Proportion of Care Accessed Within Home Neighbourhood	14.8%										
Resident Visits Adjusted for Spatial Patterns of Utilization	18,062	17,753	18,111	18,135	18,159	18,184	18,208	18,233	18,257	18,282	18,306
Non-Resident Visits	47,615	47,854	48,444	48,858	49,273	49,687	50,101	50,516	50,930	51,344	51,759
Non-City Utilization	32,576										
Total Service Requirement	98,253	98,183	99,131	99,569	100,008	100,447	100,886	101,324	101,763	102,202	102,641



Primary Care Workforce Planning

Service Capacity Module: Glenfield-Jane Heights

Examine the Sources of Service Capacity at a Neighbourhood Level

Total Service Capacity =

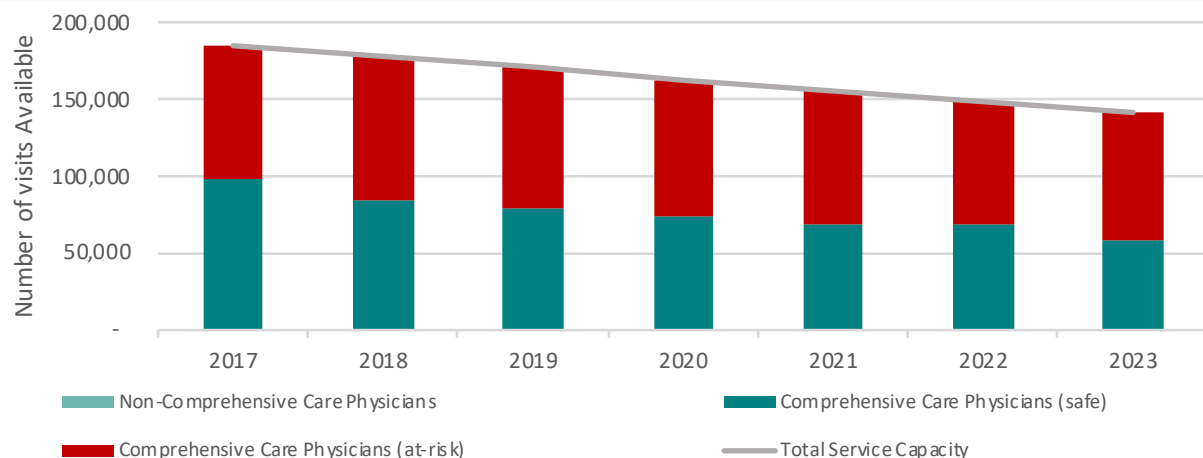
Comprehensive Care Physicians' Safe Service Capacity: Estimated number of services provided by comprehensive care physicians who are not expected to be at risk of exit from the workforce

+

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



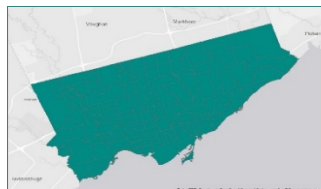
Allied Health Professionals Average Weekly Hours Available

Profession	2016	2017	2018
Chiropractors	39	39	39
Dietitians	0	0	8
Midwives	0	0	0
NPs	0	0	0
OTs	0	0	0
Optometrists	0	175	169
Pharmacists	479	426	139
PTs	38	42	4
Psychologists	0	0	0
RNs	237	210	214
RPNs	858	893	855
RTs	0	0	0
SLPs	0	0	0

Number of Comprehensive Primary Care Physicians

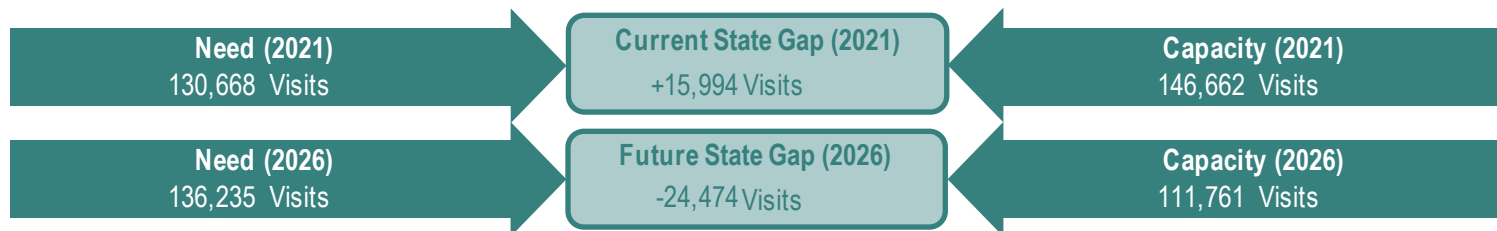
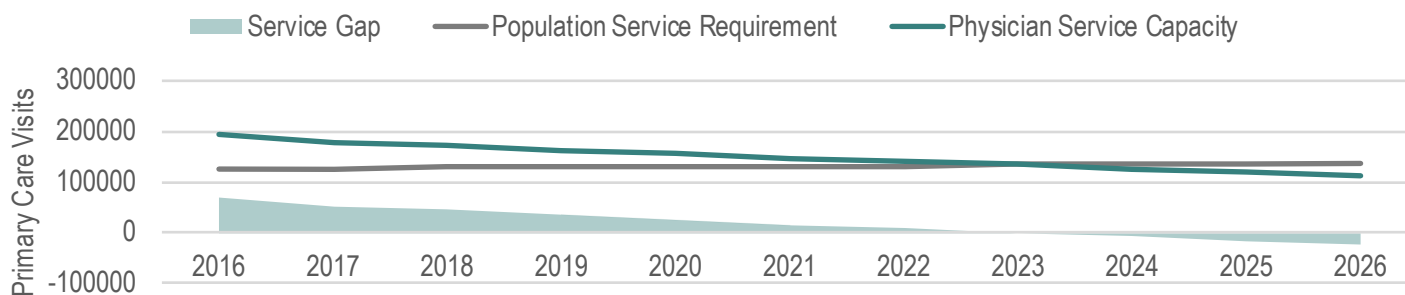
2016	31
2017	29

	2017	2018	2019	2020	2021	2022	2023
Comprehensive Care Physicians' Safe Service Capacity	97,968	84,977	79,405	74,284	67,885	69,013	58,635
Comprehensive Care Physicians' At-Risk Service Capacity	86,812	92,551	90,871	88,740	87,887	79,507	82,766
Non-Comprehensive Care Physicians' Service Capacity	0						
Total Service Capacity	184,780	177,528	170,276	163,024	155,772	148,520	141,401



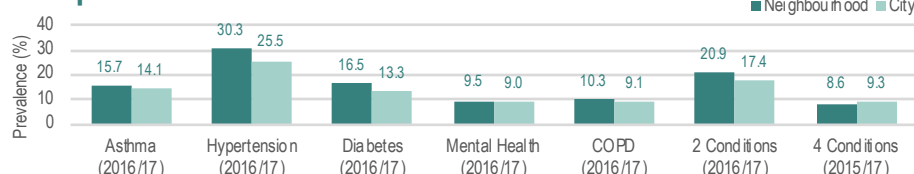
Primary Care Workforce Planning

Neighbourhood Profile: Downsview-Roding-CFB



Population (2016)			
Children	Youth	Working Age	Seniors
5,745	4,315	19,485	5,535
16.4 %	12.3 %	55.6 %	15.8 %

Population Health Profile



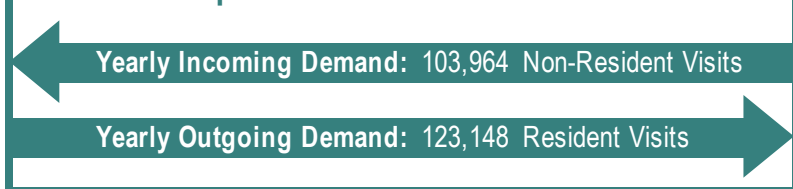
Population Growth

Year	Population Estimates (Low-High)	Estimated Yearly Growth
2016	35,052	Neigh: 0.59 % - 0.93 % City: 1.60 % - 2.50 %
2021	36,509 - 36,686	
2026	37,967 - 38,320	

Ontario Marginalization Index (2016)

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

Spatial Patterns of Utilization



Unmet Need for Primary Care

Indicator	Neigh.	City
PEM Attachment (%)	70.4	71.6
ACSC Hospitalization / 100,000	234.8	244.4
Low Urgency ED (%)	73.1	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	33		2016	46	43	435	142	22	0	780	96	29	358	420	0	0
2017	29		2017	40	21	398	136	22	111	920	74	29	391	406	27	0
			2018	63	46	379	193	22	98	421	97	39	254	413	1	0



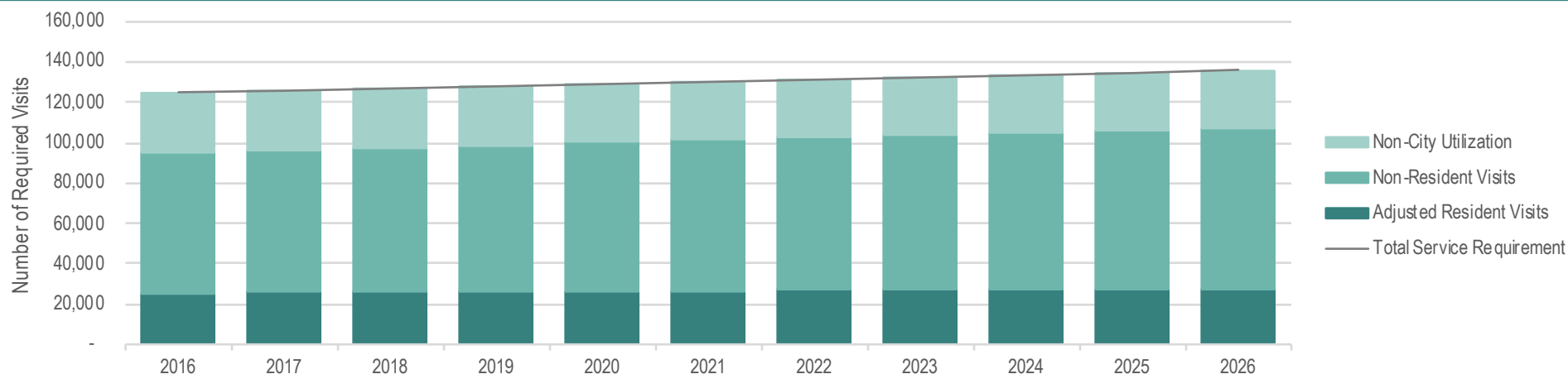
Primary Care Workforce Planning

Service Requirements Module: Downsview-Roding-CFB

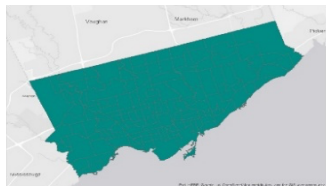
Examine the Sources of Service Requirements at a Neighbourhood Level

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	38,639	38,960	39,282	39,603	39,924	40,246	40,567	40,888	41,209	41,531	41,852
Resident Visits	143,704	146,403	146,094	147,289	148,484	149,679	150,874	152,069	153,264	154,458	155,653
Proportion of Care Accessed Within Home Neighbourhood	17.8%										
Resident Visits Adjusted for Spatial Patterns of Utilization	25,579	26,060	26,005	26,217	26,430	26,643	26,856	27,068	27,281	27,494	27,706
Non-Resident Visits	70,089	70,320	71,891	72,791	73,692	74,593	75,494	76,394	77,295	78,196	79,096
Non-City Utilization	29,432										
Total Service Requirement	125,101	125,811	127,327	128,441	129,554	130,668	131,781	132,894	134,008	135,121	136,235



Primary Care Workforce Planning

Service Capacity Module: Downsview-Roding-CFB

Examine the Sources of Service Capacity at a Neighbourhood Level

Total Service Capacity =

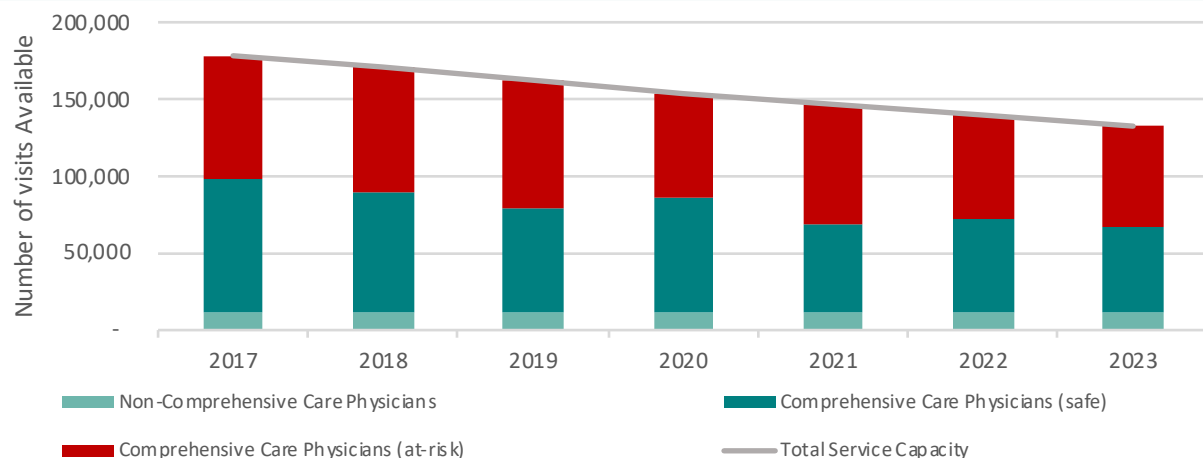
Comprehensive Care Physicians' Safe Service Capacity: Estimated number of services provided by comprehensive care physicians who are not expected to be at risk of exit from the workforce

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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



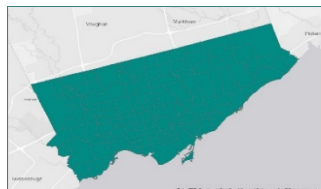
Allied Health Professionals Average Weekly Hours Available

Profession	2016	2017	2018
Chiropractors	46	40	63
Dietitians	43	21	46
Midwives	435	398	379
NPs	142	136	193
OTs	22	22	22
Optometrists	0	111	98
Pharmacists	780	920	421
PTs	96	74	97
Psychologists	29	29	39
RNs	358	391	254
RPNs	420	406	413
RTs	0	27	1
SLPs	0	0	0

Number of Comprehensive Primary Care Physicians

2016	33
2017	29

	2017	2018	2019	2020	2021	2022	2023
Comprehensive Care Physicians' Safe Service Capacity	86,657	78,301	67,649	74,665	57,083	60,402	55,727
Comprehensive Care Physicians' At-Risk Service Capacity	80,449	80,811	83,469	68,459	78,424	67,872	65,630
Non-Comprehensive Care Physicians' Service Capacity	11,155						
Total Service Capacity	178,261	170,267	162,273	154,279	146,662	139,429	132,512



Primary Care Workforce Planning

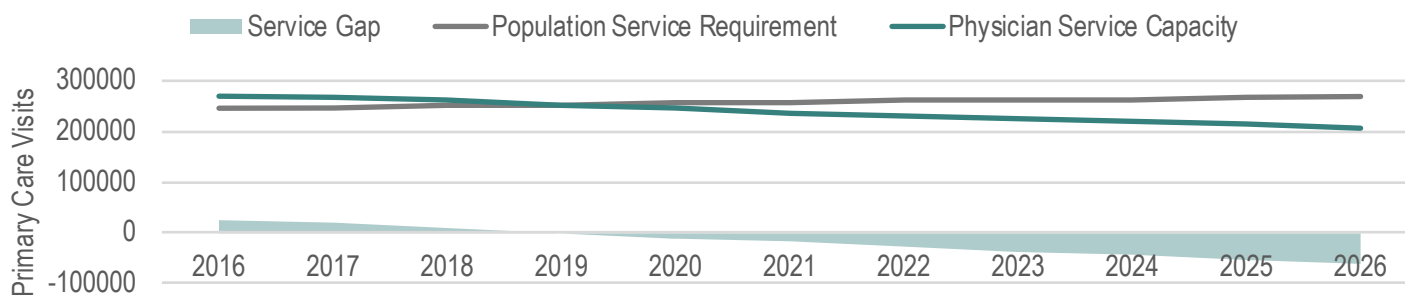
Neighbourhood Profile: York University Heights



Ontario Health
Toronto



uOttawa



Need (2021)
257,264 Visits

Current State Gap (2021)
-19,747 Visits

Capacity (2021)
237,517 Visits

Need (2026)
268,837 Visits

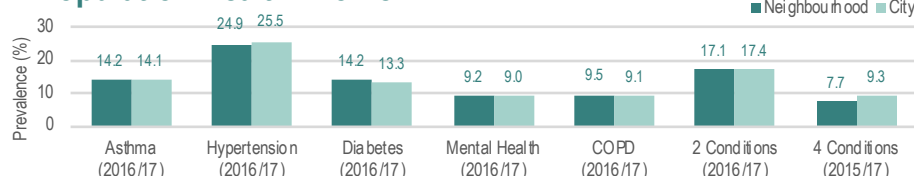
Future State Gap (2026)
-62,782 Visits

Capacity (2026)
206,055 Visits

Population (2016)

Children	Youth	Working Age	Seniors
4,050	4,765	15,245	3,530
14.7 %	17.3 %	55.2 %	12.8 %

Population Health Profile



Population Growth

Year	Population Estimates (Low-High)	Estimated Yearly Growth
2016	27,593	Neigh: 0.59 % - 0.91 % City: 1.60 % - 2.50 %
2021	28,728 - 28,844	
2026	29,863 - 30,095	

Ontario Marginalization Index (2016)

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

Spatial Patterns of Utilization

Yearly Incoming Demand: 231,871 Non-Resident Visits

Yearly Outgoing Demand: 82,704 Resident Visits

Unmet Need for Primary Care

Indicator	Neigh.	City
PEM Attachment (%)	67.3	71.6
ACSC Hospitalization / 100,000	176.1	244.4
Low Urgency ED (%)	73.2	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	51	2016	33	9	0	24	0	0	882	138	28	526	1,006	0	3
2017	45	2017	33	8	0	12	0	148	1,163	173	28	457	859	0	3
		2018	26	5	0	47	7	97	631	94	43	563	908	0	2



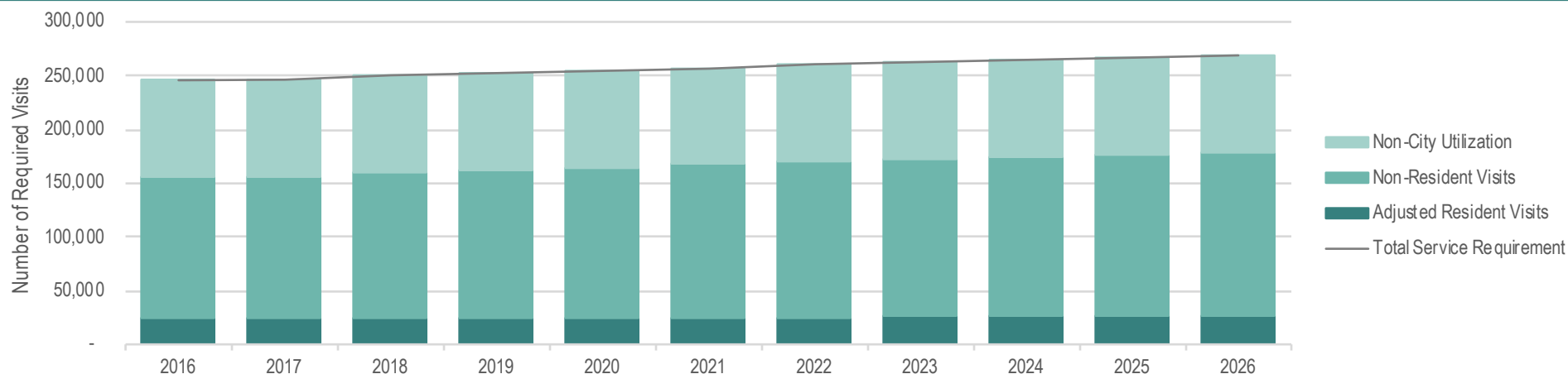
Primary Care Workforce Planning

Service Requirements Module: York University Heights

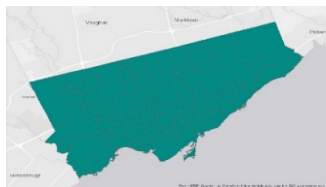
Examine the Sources of Service Requirements at a Neighbourhood Level

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	28,928	29,176	29,423	29,671	29,919	30,167	30,414	30,662	30,910	31,157	31,405
Resident Visits	103,518	104,608	105,291	106,178	107,064	107,950	108,837	109,723	110,610	111,496	112,382
Proportion of Care Accessed Within Home Neighbourhood	23.4%										
Resident Visits Adjusted for Spatial Patterns of Utilization	24,223	24,478	24,638	24,846	25,053	25,260	25,468	25,675	25,883	26,090	26,297
Non-Resident Visits	131,633	132,282	135,847	137,954	140,061	142,169	144,276	146,383	148,490	150,597	152,704
Non-City Utilization	89,835										
Total Service Requirement	245,691	246,595	250,320	252,635	254,949	257,264	259,578	261,893	264,207	266,522	268,837



Primary Care Workforce Planning

Service Capacity Module: York University Heights

Examine the Sources of Service Capacity at a Neighbourhood Level

Total Service Capacity =

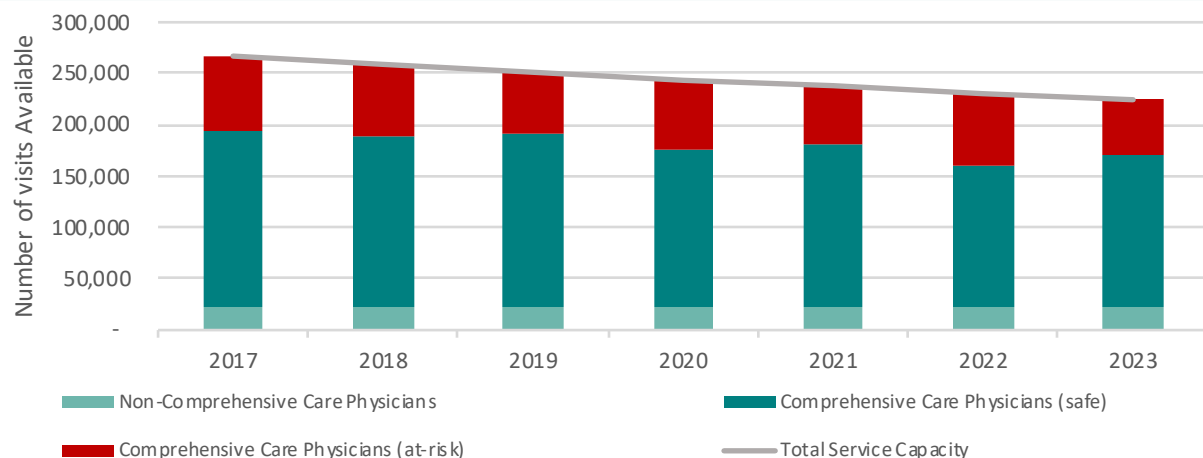
Comprehensive Care Physicians' Safe Service Capacity: Estimated number of services provided by comprehensive care physicians who are not expected to be at risk of exit from the workforce

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



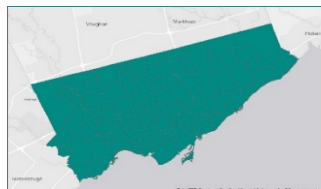
Allied Health Professionals Average Weekly Hours Available

Profession	2016	2017	2018
Chiropractors	33	33	26
Dieticians	9	8	5
Midwives	0	0	0
NPs	24	12	47
OTs	0	0	7
Optometrists	0	148	97
Pharmacists	882	1,163	631
PTs	138	173	94
Psychologists	28	28	43
RNs	526	457	563
RPNs	1,006	859	908
RTs	0	0	0
SLPs	3	3	2

Number of Comprehensive Primary Care Physicians

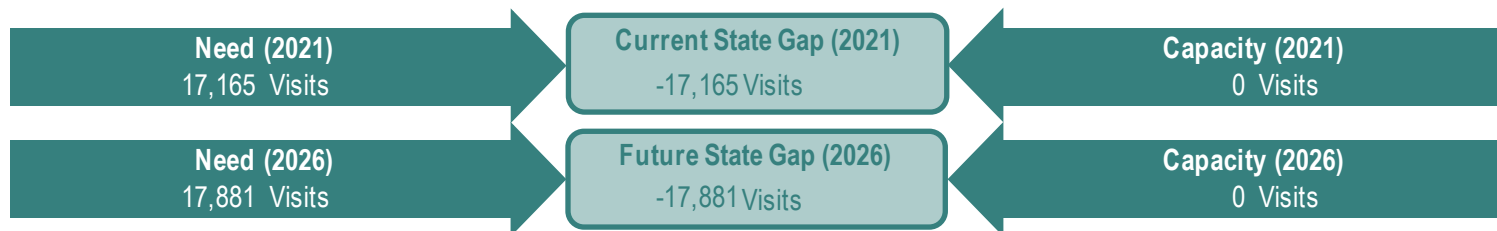
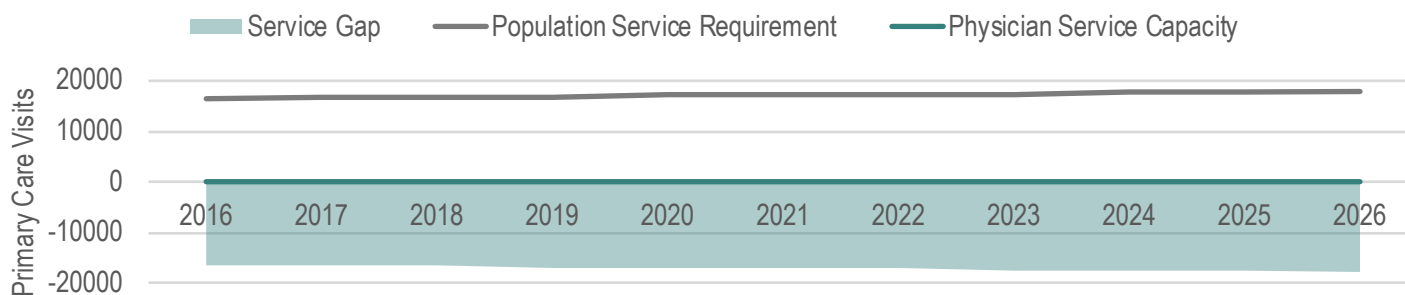
2016	51
2017	45

	2017	2018	2019	2020	2021	2022	2023
Comprehensive Care Physicians' Safe Service Capacity	172,684	166,193	169,722	153,382	158,078	139,154	148,769
Comprehensive Care Physicians' At-Risk Service Capacity	72,318	71,278	60,218	69,106	57,390	69,808	53,687
Non-Comprehensive Care Physicians' Service Capacity	22,049						
Total Service Capacity	267,051	259,520	251,989	244,537	237,517	231,011	224,505



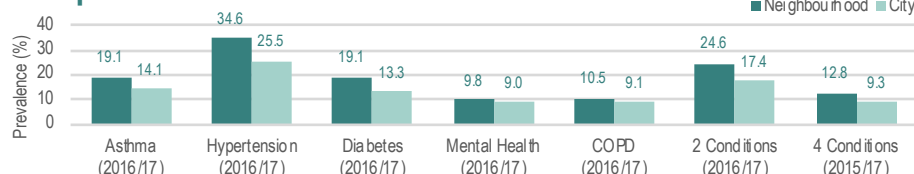
Primary Care Workforce Planning

Neighbourhood Profile: Rustic



Population (2016)			
Children	Youth	Working Age	Seniors
1,930	1,395	4,750	1,855
19.4 %	14.0 %	47.7 %	18.6 %

Population Health Profile



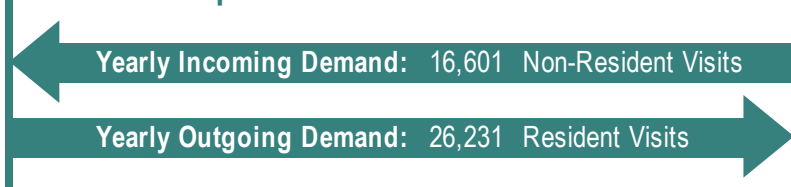
Population Growth

Year	Population Estimates (Low-High)	Estimated Yearly Growth
2016	9,941	Neigh: 0.18 % - 0.28 % City: 1.60 % - 2.50 %
2021	10,069 - 10,081	
2026	10,197 - 10,220	

Ontario Marginalization Index (2016)

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

Spatial Patterns of Utilization



Unmet Need for Primary Care

Indicator	Neigh.	City
PEM Attachment (%)	68.1	71.6
ACSC Hospitalization / 100,000	308.0	244.4
Low Urgency ED (%)	81.0	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	0		2016	0	0	0	0	0	0	68	0	0	0	294	0	0
2017	0		2017	0	0	0	0	0	0	51	0	0	0	218	0	0
2018	0		2018	10	0	0	0	0	0	38	0	0	0	247	0	0



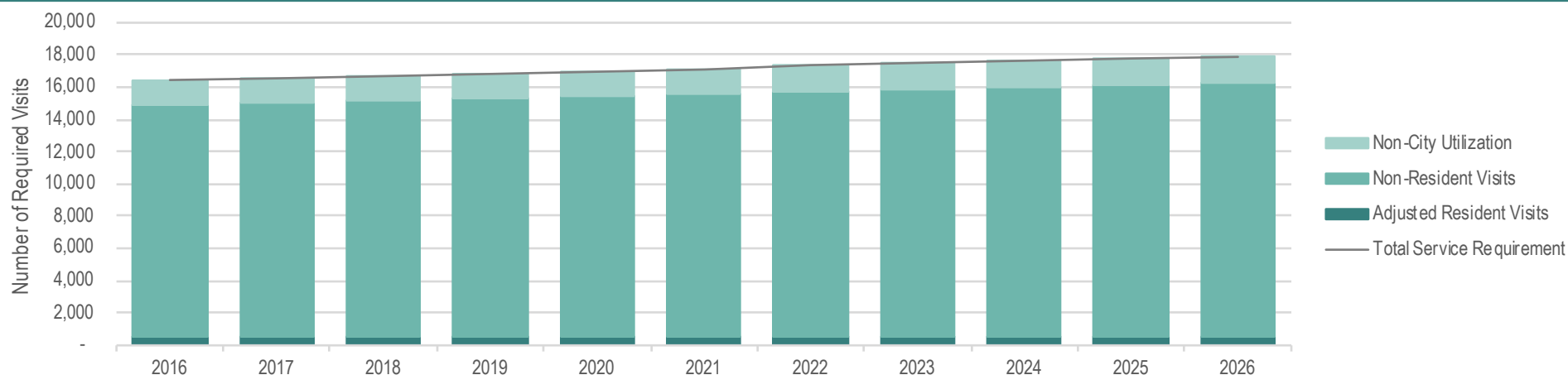
Primary Care Workforce Planning

Service Requirements Module: Rustic

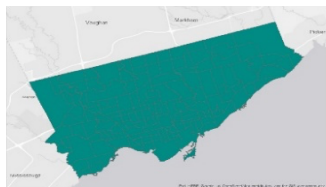
Examine the Sources of Service Requirements at a Neighbourhood Level

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	6,858	6,885	6,913	6,940	6,968	6,995	7,022	7,050	7,077	7,105	7,132
Resident Visits	26,277	26,291	26,487	26,592	26,697	26,802	26,907	27,012	27,117	27,222	27,327
Proportion of Care Accessed Within Home Neighbourhood	2.1%										
Resident Visits Adjusted for Spatial Patterns of Utilization	552	552	556	558	561	563	565	567	569	572	574
Non-Resident Visits	14,358	14,487	14,640	14,781	14,922	15,063	15,204	15,345	15,487	15,628	15,769
Non-City Utilization	1,539										
Total Service Requirement	16,449	16,578	16,736	16,879	17,022	17,165	17,309	17,452	17,595	17,738	17,881



Primary Care Workforce Planning

Service Capacity Module: Rustic

Examine the Sources of Service Capacity at a Neighbourhood Level

Total Service Capacity =

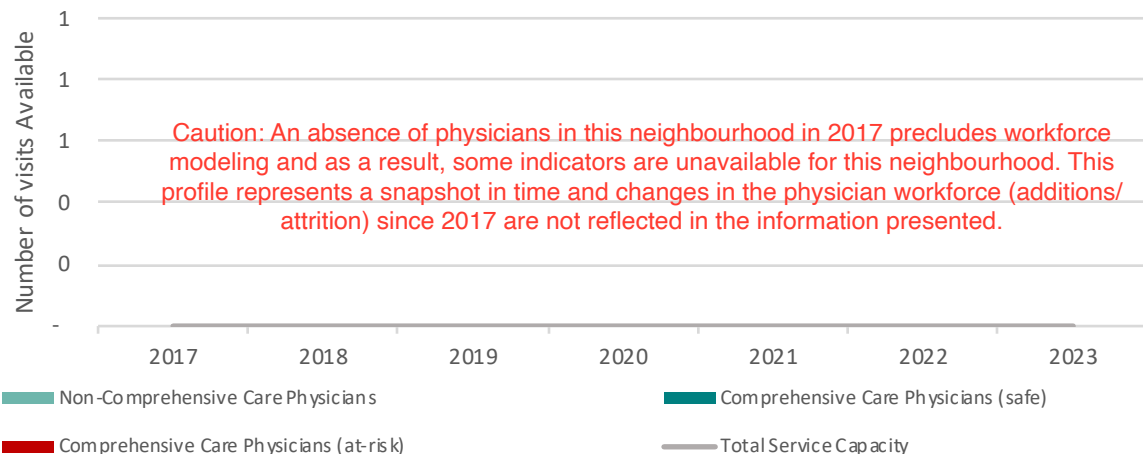
Comprehensive Care Physicians' Safe Service Capacity: Estimated number of services provided by comprehensive care physicians who are not expected to be at risk of exit from the workforce

+

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	10
Dietitians	0	0	0
Midwives	0	0	0
NPs	0	0	0
OTs	0	0	0
Optometrists	0	0	0
Pharmacists	68	51	38
PTs	0	0	0
Psychologists	0	0	0
RNs	0	0	0
RPNs	294	218	247
RTs	0	0	0
SLPs	0	0	0

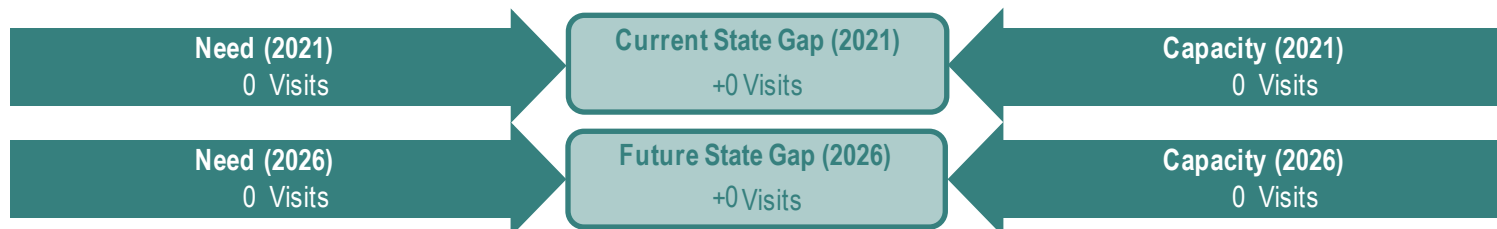
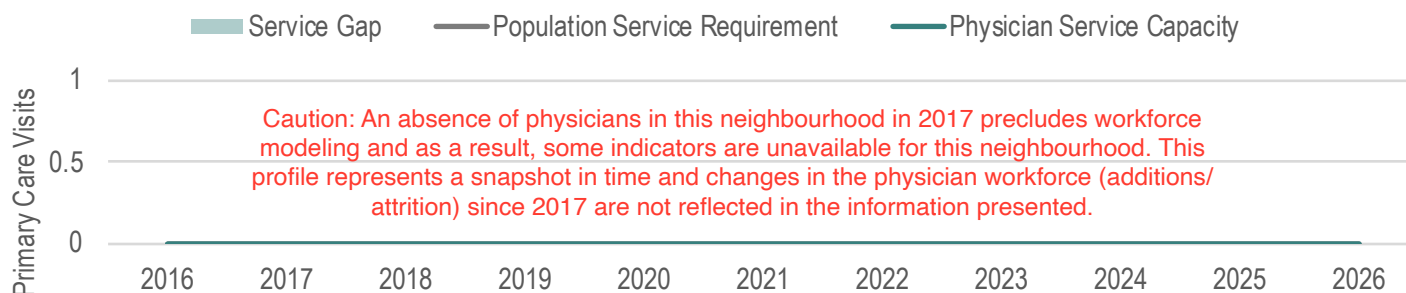
Number of Comprehensive Primary Care Physicians	
2016	0
2017	0

	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	0	0	0	0	0	0	0
Non-Comprehensive Care Physicians' Service Capacity	0						
Total Service Capacity	0	0	0	0	0	0	0



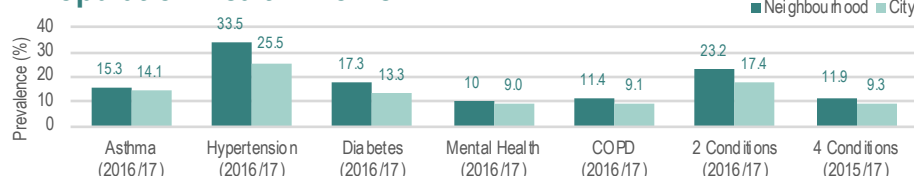
Primary Care Workforce Planning

Neighbourhood Profile: Maple Leaf



Population (2016)			
Children	Youth	Working Age	Seniors
1,500	1,265	5,305	2,020
14.8 %	12.5 %	52.3 %	19.9 %

Population Health Profile



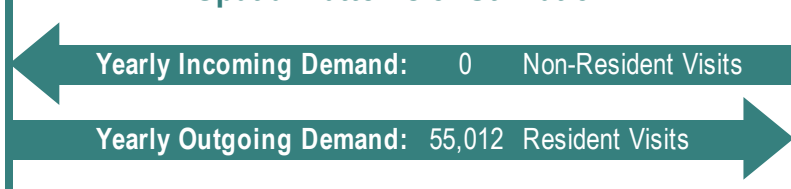
Population Growth

Year	Population Estimates (Low-High)	Estimated Yearly Growth
2016	10,111	Neigh: 0.54 % - 0.84 %
2021	10,491 - 10,538	City: 1.60 % - 2.50 %
2026	10,871 - 10,965	

Ontario Marginalization Index (2016)

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

Spatial Patterns of Utilization



Unmet Need for Primary Care

Indicator	Neigh.	City
PEM Attachment (%)	68.5	71.6
ACSC Hospitalization / 100,000	198.9	244.4
Low Urgency ED (%)	64.0	81.5

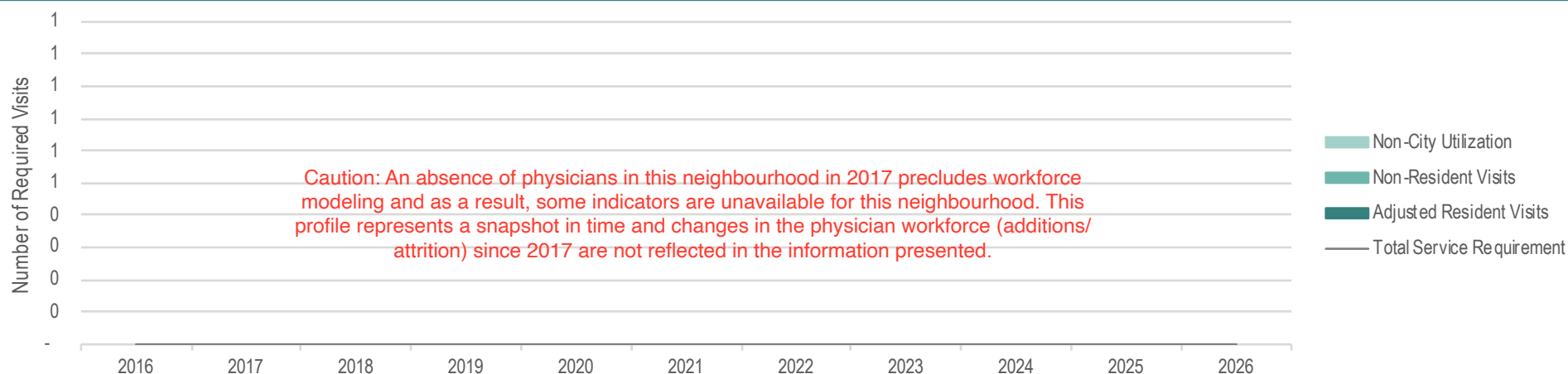
Primary Care Workforce Profile

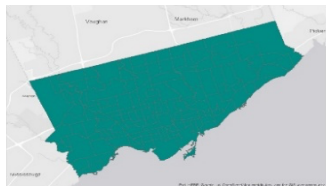
Number of Comprehensive Primary Care Physicians		Average Weekly Hours Available	Year	Chiropractors	Dietitians	Midwives	NPs	OTs	Optometrists	Pharmacists	PTs	Psychologists	RNs	RPNs	RTs	SLPs
2016	0			0	36	0	0	0	0	0	9	0	144	99	0	0
2017	0			0	27	0	0	0	0	0	7	0	143	81	0	10
2018	0			0	32	0	0	0	0	0	0	0	260	127	0	8



Total Service Requirements =

- $$\begin{aligned}
 & \mathbf{1 - Resident Visits:} \text{ Number of resident visits expected to be accessed in their neighbourhood of residence based on baseline spatial patterns of utilization} \\
 & \quad + \\
 & \mathbf{2 - Non-Resident Visits:} \text{ Number of non-resident visits expected to be accessed in the neighbourhood based on baseline spatial patterns of utilization} \\
 & \quad + \\
 & \mathbf{3 - Non-City Utilization:} \text{ Number of visits expected to be utilized by non-city residents in the neighbourhood based on baseline spatial patterns of utilization}
 \end{aligned}$$

[illegible]



Primary Care Workforce Planning

Service Capacity Module: Maple Leaf

Examine the Sources of Service Capacity at a Neighbourhood Level

Total Service Capacity =

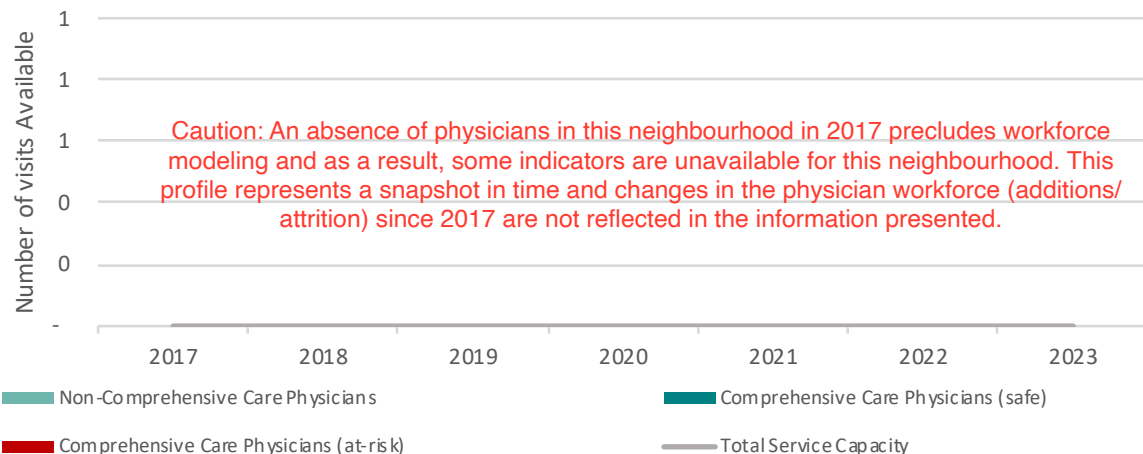
Comprehensive Care Physicians' Safe Service Capacity: Estimated number of services provided by comprehensive care physicians who are not expected to be at risk of exit from the workforce

+

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

+

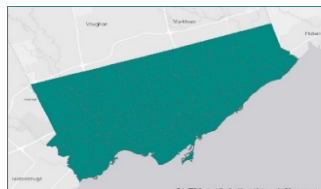
Service Capacity Generated by Non-Comprehensive Care Physicians: Estimated number of services provided by non-comprehensive care physicians



Allied Health Professionals Average Weekly Hours Available			
Profession	2016	2017	2018
Chiropractors	0	0	0
Dietitians	36	27	32
Midwives	0	0	0
NPs	0	0	0
OTs	0	0	0
Optometrists	0	0	0
Pharmacists	0	0	0
PTs	9	7	0
Psychologists	0	0	0
RNs	144	143	260
RPNs	99	81	127
RTs	0	0	0
SLPs	0	10	8

Number of Comprehensive Primary Care Physicians	
2016	0
2017	0

	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	0	0	0	0	0	0	0
Non-Comprehensive Care Physicians' Service Capacity	0						
Total Service Capacity	0	0	0	0	0	0	0



Primary Care Workforce Planning

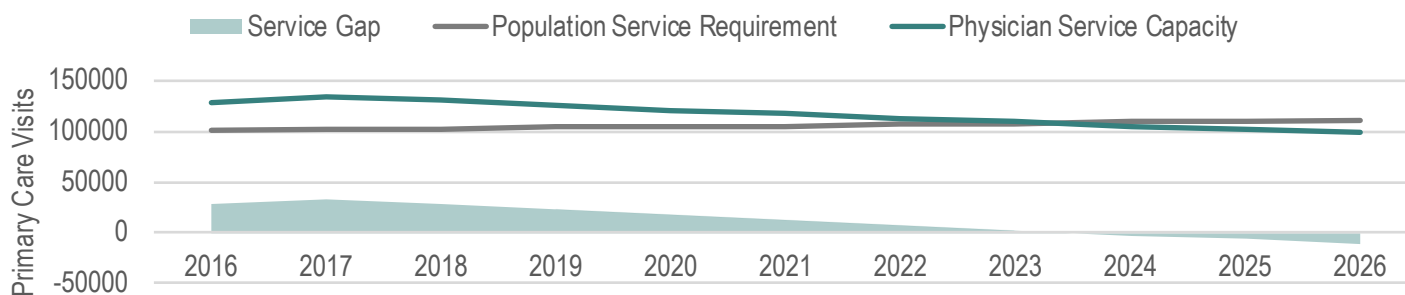
Neighbourhood Profile: Brookhaven-Amesbury



Ontario Health
Toronto



uOttawa



Need (2021)
105,852 Visits

Current State Gap (2021)
+11,566 Visits

Capacity (2021)
117,418 Visits

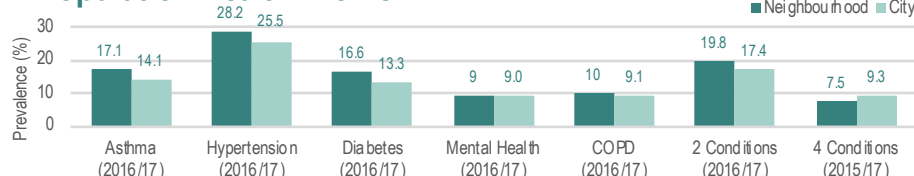
Need (2026)
110,721 Visits

Future State Gap (2026)
-11,784 Visits

Capacity (2026)
98,937 Visits

Population (2016)			
Children	Youth	Working Age	Seniors
3,350	2,450	9,820	2,150
18.9 %	13.8 %	55.3 %	12.1 %

Population Health Profile



Population Growth

Year	Population Estimates (Low-High)	Estimated Yearly Growth
2016	17,757	Neigh: 0.28 % - 0.43 % City: 1.60 % - 2.50 %
2021	18,099 - 18,141	
2026	18,441 - 18,525	

Ontario Marginalization Index (2016)

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

Spatial Patterns of Utilization

← **Yearly Incoming Demand:** 91,811 Non-Resident Visits

Yearly Outgoing Demand: 51,133 Resident Visits →

Unmet Need for Primary Care

Indicator	Neigh.	City
PEM Attachment (%)	69.2	71.6
ACSC Hospitalization / 100,000	244.3	244.4
Low Urgency ED (%)	72.9	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	21			12	42	0	53	0	0	385	2	0	42	76	0	0
2017	18			32	20	0	46	0	57	404	8	0	69	62	0	0
2018				42	29	0	73	0	68	166	1	0	92	70	0	0



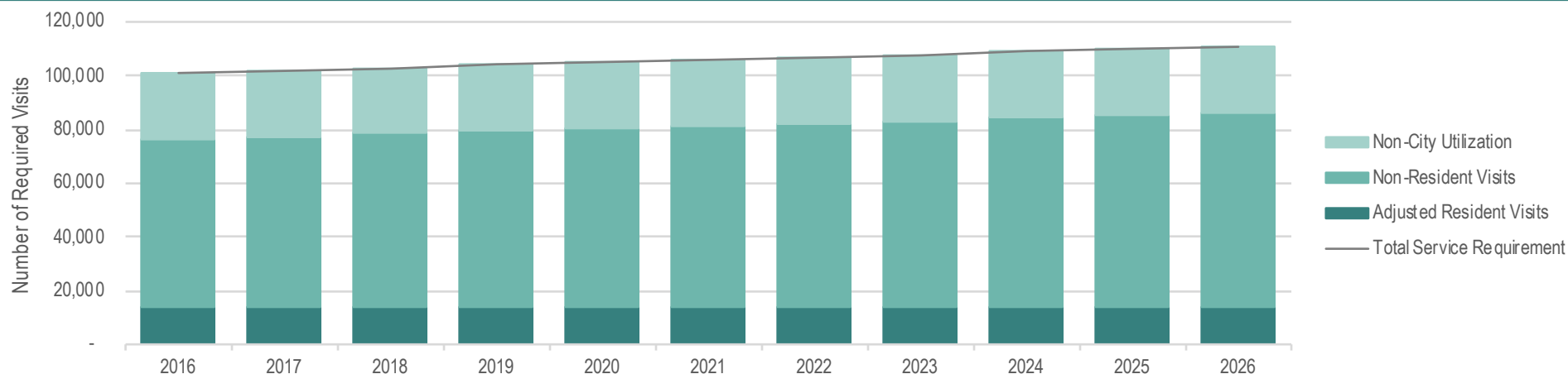
Primary Care Workforce Planning

Service Requirements Module: Brookhaven-Amesbury

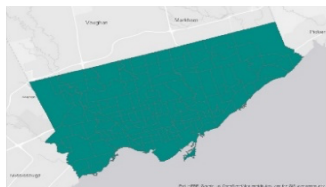
Examine the Sources of Service Requirements at a Neighbourhood Level

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	17,793	17,868	17,944	18,019	18,094	18,170	18,245	18,320	18,395	18,471	18,546
Resident Visits	63,721	64,737	64,261	64,530	64,800	65,070	65,339	65,609	65,879	66,148	66,418
Proportion of Care Accessed Within Home Neighbourhood	21.5%										
Resident Visits Adjusted for Spatial Patterns of Utilization	13,700	13,918	13,816	13,874	13,932	13,990	14,048	14,106	14,164	14,222	14,280
Non-Resident Visits	62,772	63,122	64,604	65,520	66,436	67,351	68,267	69,183	70,099	71,015	71,930
Non-City Utilization	24,511										
Total Service Requirement	100,983	101,551	102,931	103,905	104,879	105,852	106,826	107,800	108,774	109,748	110,721



Primary Care Workforce Planning

Service Capacity Module: Brookhaven-Amesbury

Examine the Sources of Service Capacity at a Neighbourhood Level

Total Service Capacity =

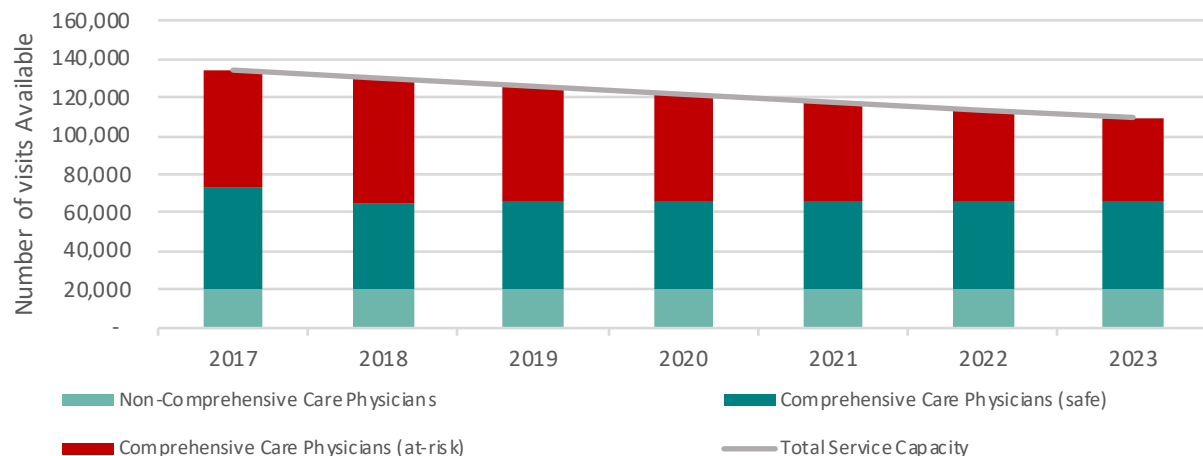
Comprehensive Care Physicians' Safe Service Capacity: Estimated number of services provided by comprehensive care physicians who are not expected to be at risk of exit from the workforce

+

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



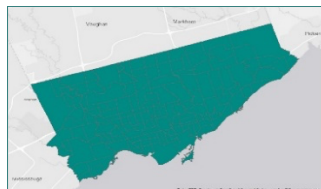
Allied Health Professionals Average Weekly Hours Available

Profession	2016	2017	2018
Chiropractors	12	32	42
Dieticians	42	20	29
Midwives	0	0	0
NPs	53	46	73
OTs	0	0	0
Optometrists	0	57	68
Pharmacists	385	404	166
PTs	2	8	1
Psychologists	0	0	0
RNs	42	69	92
RPNs	76	62	70
RTs	0	0	0
SLPs	0	0	0

Number of Comprehensive Primary Care Physicians

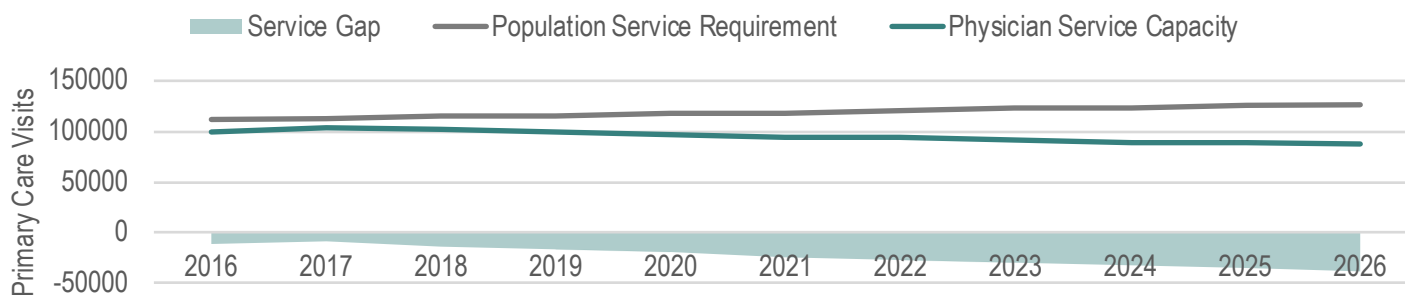
2016	21
2017	18

	2017	2018	2019	2020	2021	2022	2023
Comprehensive Care Physicians' Safe Service Capacity	52,592	44,793	45,057	45,321	45,585	45,849	46,113
Comprehensive Care Physicians' At-Risk Service Capacity	61,133	64,761	60,326	55,891	51,456	47,021	42,999
Non-Comprehensive Care Physicians' Service Capacity	20,377						
Total Service Capacity	134,102	129,931	125,760	121,589	117,418	113,247	109,489



Primary Care Workforce Planning

Neighbourhood Profile: Yorkdale-Glen Park



Need (2021)
118,962 Visits

Current State Gap (2021)
-23,955 Visits

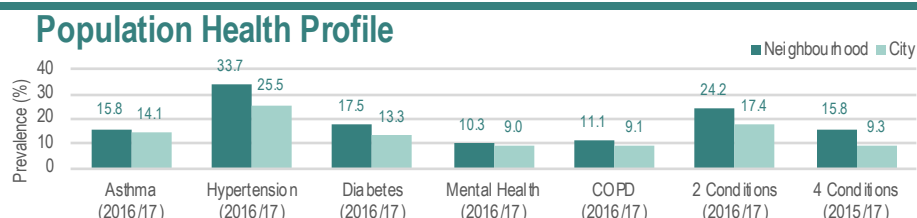
Capacity (2021)
95,007 Visits

Need (2026)
126,238 Visits

Future State Gap (2026)
-38,847 Visits

Capacity (2026)
87,391 Visits

Population (2016)			
Children	Youth	Working Age	Seniors
1,970	1,855	7,665	3,310
13.3 %	12.5 %	51.8 %	22.4 %



Population Growth

Year	Population Estimates (Low-High)	Estimated Yearly Growth
2016	14,804	Neigh: 4.46 % - 7.00 % City: 1.60 % - 2.50 %
2021	19,422 - 19,982	
2026	24,040 - 25,160	

Ontario Marginalization Index (2016)

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

Spatial Patterns of Utilization

Yearly Incoming Demand: 103,580 Non-Resident Visits

Yearly Outgoing Demand: 65,621 Resident Visits

Unmet Need for Primary Care

Indicator	Neigh.	City
PEM Attachment (%)	70.9	71.6
ACSC Hospitalization / 100,000	233.0	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	19		2016	22	46	0	0	###	0	567	851	0	998	1,587	0	24
2017	19		2017	41	49	0	0	###	364	485	901	0	684	1,665	0	31
2017	19		2018	53	124	0	0	###	300	249	714	0	714	1,774	0	12



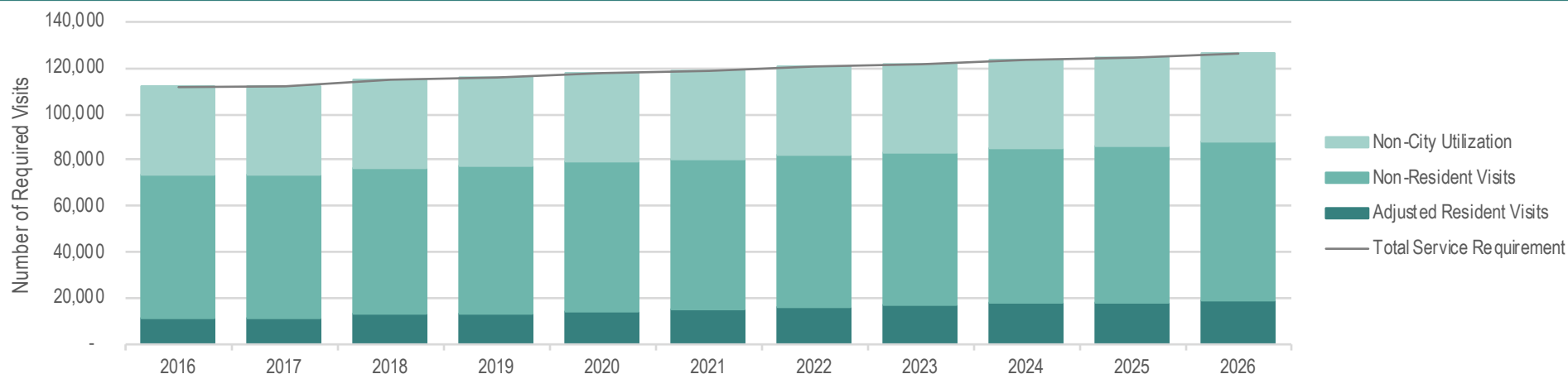
Primary Care Workforce Planning

Service Requirements Module: Yorkdale-Glen Park

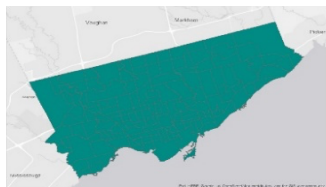
Examine the Sources of Service Requirements at a Neighbourhood Level

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	15,128	16,147	17,165	18,184	19,202	20,221	21,240	22,258	23,277	24,295	25,314
Resident Visits	60,812	60,824	69,001	73,096	77,190	81,285	85,379	89,474	93,568	97,663	101,758
Proportion of Care Accessed Within Home Neighbourhood	18.9%										
Resident Visits Adjusted for Spatial Patterns of Utilization	11,493	11,496	13,041	13,815	14,589	15,363	16,137	16,911	17,684	18,458	19,232
Non-Resident Visits	61,963	62,436	63,326	64,007	64,689	65,370	66,052	66,733	67,414	68,096	68,777
Non-City Utilization	38,229										
Total Service Requirement	111,685	112,161	114,596	116,051	117,507	118,962	120,417	121,873	123,328	124,783	126,238



Primary Care Workforce Planning

Service Capacity Module: Yorkdale-Glen Park

Examine the Sources of Service Capacity at a Neighbourhood Level

Total Service Capacity =

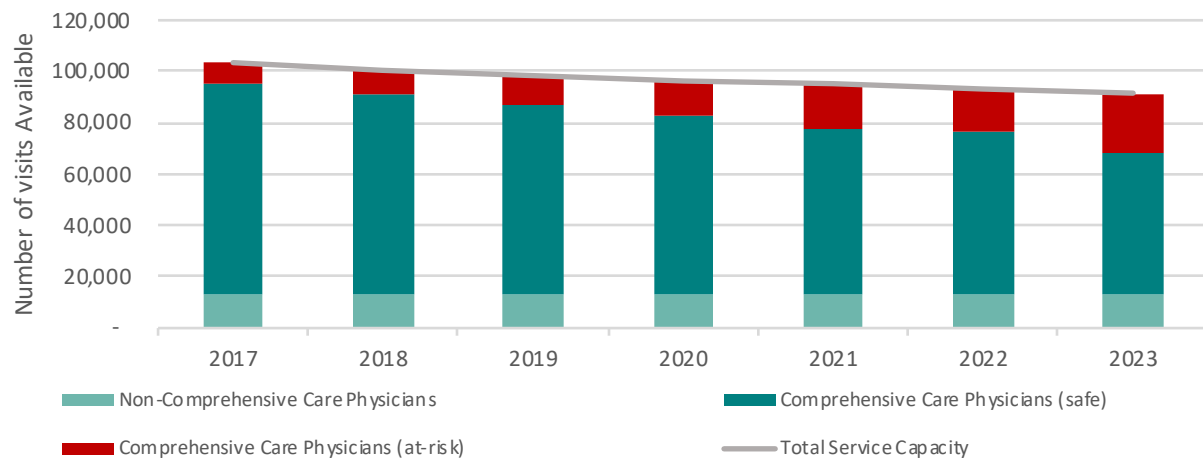
Comprehensive Care Physicians' Safe Service Capacity: Estimated number of services provided by comprehensive care physicians who are not expected to be at risk of exit from the workforce

+

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



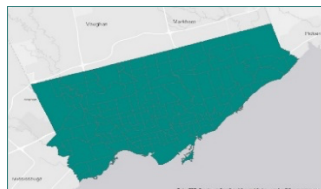
Allied Health Professionals Average Weekly Hours Available

Profession	2016	2017	2018
Chiroprodists	22	41	53
Dieticians	46	49	124
Midwives	0	0	0
NPs	0	0	0
OTs	1,882	1,868	1,907
Optometrists	0	364	300
Pharmacists	567	485	249
PTs	851	901	714
Psychologists	0	0	0
RNs	998	684	714
RPNs	1,587	1,665	1,774
RTs	0	0	0
SLPs	24	31	12

Number of Comprehensive Primary Care Physicians

2016	19
2017	19

	2017	2018	2019	2020	2021	2022	2023
Comprehensive Care Physicians' Safe Service Capacity	82,627	78,312	74,750	70,192	64,933	64,009	55,104
Comprehensive Care Physicians' At-Risk Service Capacity	8,208	9,995	11,164	13,872	17,424	16,641	23,839
Non-Comprehensive Care Physicians' Service Capacity	12,650						
Total Service Capacity	103,485	100,957	98,564	96,714	95,007	93,300	91,593



Primary Care Workforce Planning

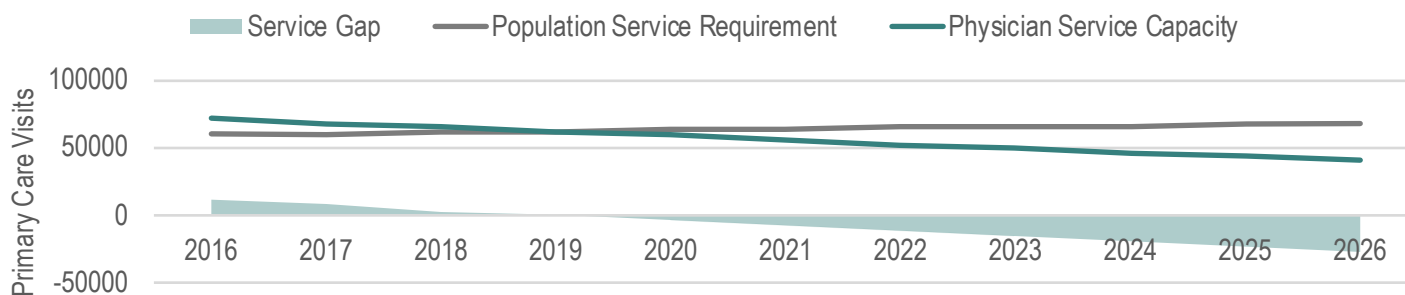
Neighbourhood Profile: Briar Hill-Belgravia



Ontario Health
Toronto



uOttawa



Need (2021)
64,404 Visits

Current State Gap (2021)
-8,240 Visits

Capacity (2021)
56,164 Visits

Need (2026)
68,229 Visits

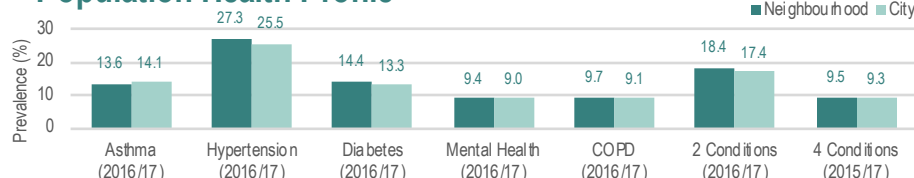
Future State Gap (2026)
-27,192 Visits

Capacity (2026)
41,037 Visits

Population (2016)

Children	Youth	Working Age	Seniors
1,850	1,660	8,640	2,080
13.0 %	11.6 %	60.6 %	14.6 %

Population Health Profile



Population Growth

Year	Population Estimates (Low-High)	Estimated Yearly Growth
2016	14,257	Neigh: 0.22 % - 0.34 % City: 1.60 % - 2.50 %
2021	14,473 - 14,501	
2026	14,689 - 14,745	

Ontario Marginalization Index (2016)

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

Spatial Patterns of Utilization

Yearly Incoming Demand: 56,791 Non-Resident Visits

Yearly Outgoing Demand: 48,945 Resident Visits

Unmet Need for Primary Care

Indicator	Neigh.	City
PEM Attachment (%)	71.6	71.6
ACSC Hospitalization / 100,000	336.4	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	11		2016	0	0	0	0	31	0	392	56	0	0	0	0	38
2017	11		2017	3	0	0	0	30	17	399	85	0	11	0	0	62
			2018	0	0	0	29	37	18	137	26	0	0	0	0	73



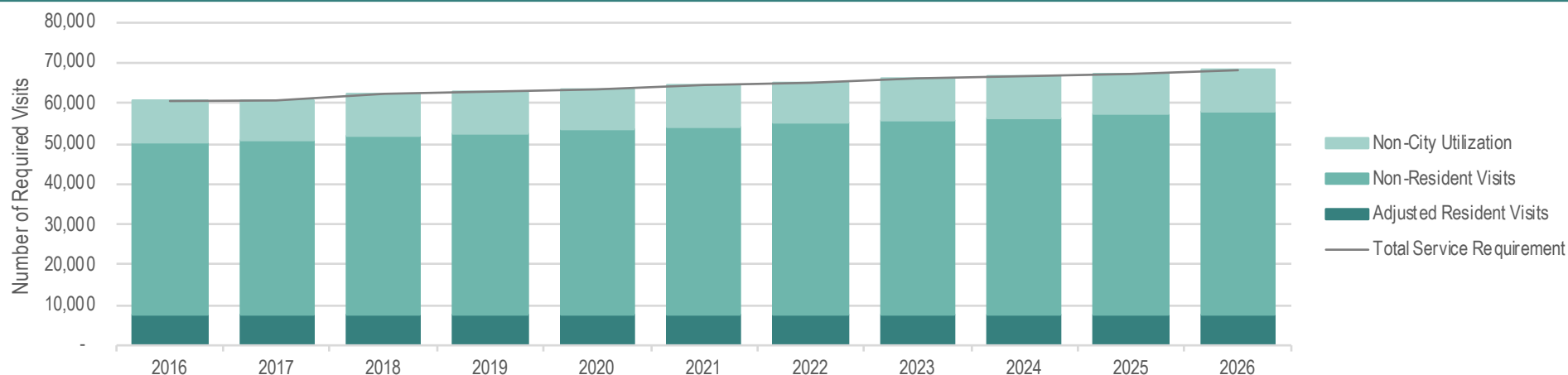
Primary Care Workforce Planning

Service Requirements Module: Briar Hill-Belgravia

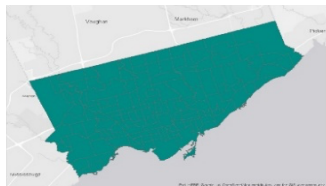
Examine the Sources of Service Requirements at a Neighbourhood Level

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	15,371	15,419	15,467	15,514	15,562	15,610	15,658	15,706	15,753	15,801	15,849
Resident Visits	55,654	55,816	56,000	56,173	56,346	56,519	56,692	56,865	57,038	57,211	57,384
Proportion of Care Accessed Within Home Neighbourhood	13.4%										
Resident Visits Adjusted for Spatial Patterns of Utilization	7,458	7,479	7,504	7,527	7,550	7,574	7,597	7,620	7,643	7,666	7,690
Non-Resident Visits	42,977	43,279	44,461	45,203	45,945	46,687	47,428	48,170	48,912	49,654	50,396
Non-City Utilization	10,144										
Total Service Requirement	60,579	60,902	62,109	62,874	63,639	64,404	65,169	65,934	66,699	67,464	68,229



Primary Care Workforce Planning

Service Capacity Module: Briar Hill-Belgravia

Examine the Sources of Service Capacity at a Neighbourhood Level

Total Service Capacity =

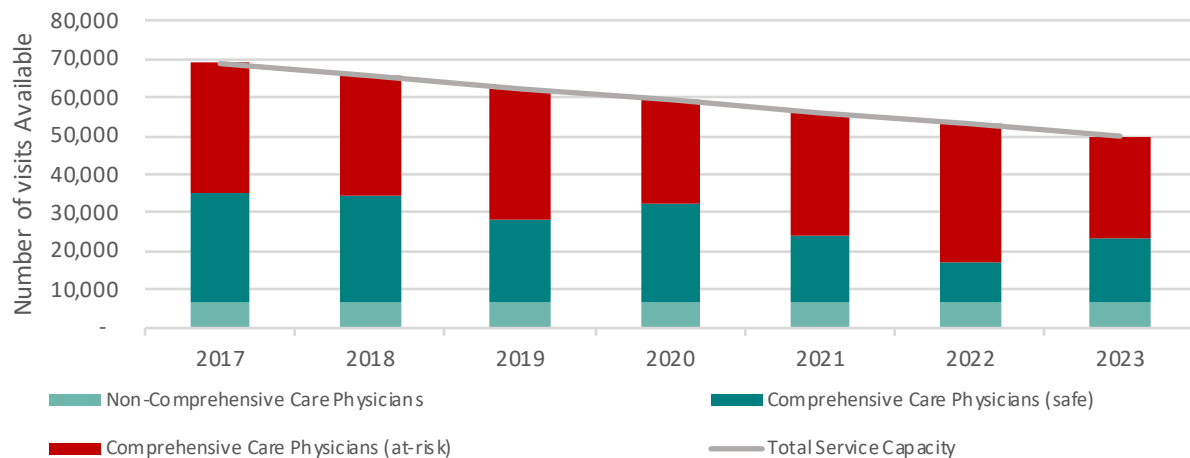
Comprehensive Care Physicians' Safe Service Capacity: Estimated number of services provided by comprehensive care physicians who are not expected to be at risk of exit from the workforce

+

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



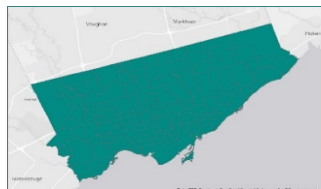
Allied Health Professionals Average Weekly Hours Available

Profession	2016	2017	2018
Chiropractors	0	3	0
Dieticians	0	0	0
Midwives	0	0	0
NPs	0	0	29
OTs	31	30	37
Optometrists	0	17	18
Pharmacists	392	399	137
PTs	56	85	26
Psychologists	0	0	0
RNs	0	11	0
RPNs	0	0	0
RTs	0	0	0
SLPs	38	62	73

Number of Comprehensive Primary Care Physicians

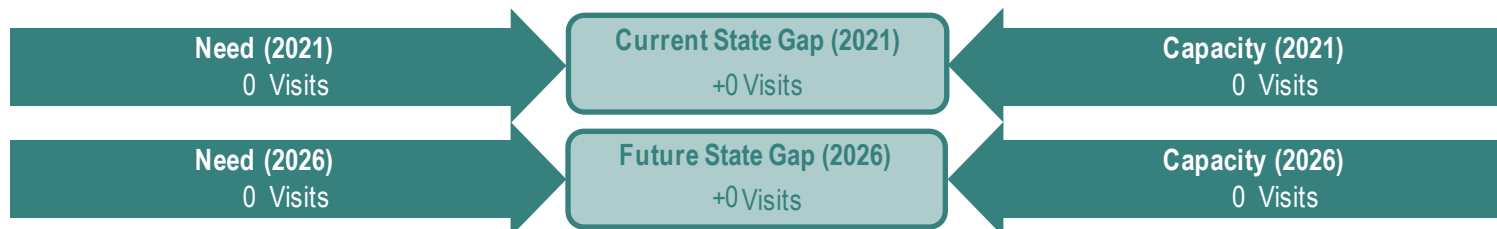
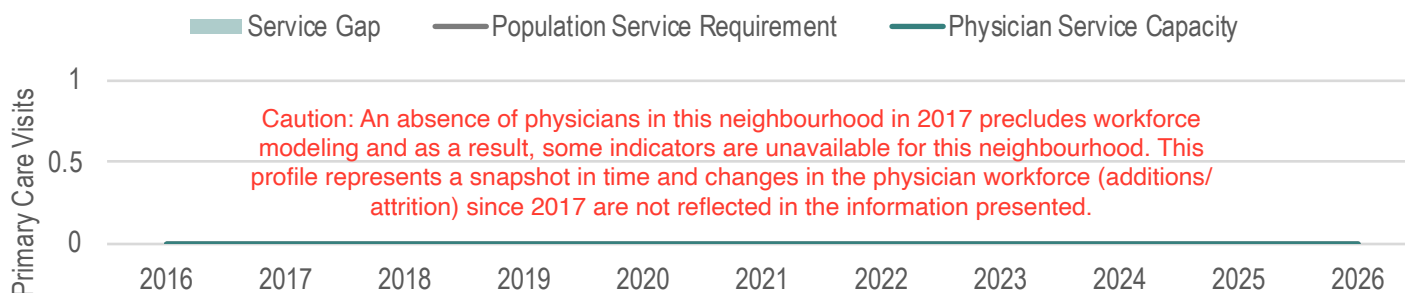
2016	11
2017	11

	2017	2018	2019	2020	2021	2022	2023
Comprehensive Care Physicians' Safe Service Capacity	28,767	27,917	21,672	26,217	17,741	10,831	16,919
Comprehensive Care Physicians' At-Risk Service Capacity	33,598	31,305	34,407	26,719	32,052	35,819	26,588
Non-Comprehensive Care Physicians' Service Capacity	6,371						
Total Service Capacity	68,736	65,593	62,450	59,307	56,164	53,021	49,878



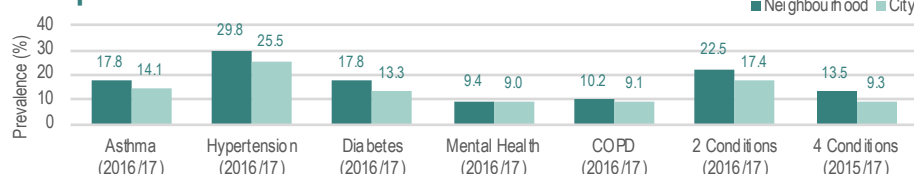
Primary Care Workforce Planning

Neighbourhood Profile: Beechborough-Greenbrook



Population (2016)			
Children	Youth	Working Age	Seniors
1,085	830	3,485	810
17.5 %	13.4 %	56.2 %	13.1 %

Population Health Profile



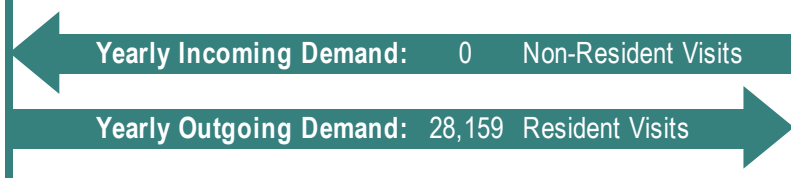
Population Growth

Year	Population Estimates (Low-High)	Estimated Yearly Growth
2016	6,577	Neigh: 1.07 % - 1.68 % City: 1.60 % - 2.50 %
2021	7,071 - 7,131	
2026	7,564 - 7,685	

Ontario Marginalization Index (2016)

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

Spatial Patterns of Utilization



Unmet Need for Primary Care

Indicator	Neigh.	City
PEM Attachment (%)	69.1	71.6
ACSC Hospitalization / 100,000	202.8	244.4
Low Urgency ED (%)	94.9	81.5

Primary Care Workforce Profile

Number of Comprehensive Primary Care Physicians		Average Weekly Hours Available	Year	Chiropractis	Dieticians	Midwives	NPs	OTs	Optometrists	Pharmacists	PTs	Psychologists	RNs	RPNs	RTs	SLPs
2016	0		2016	0	0	0	39	12	0	98	0	17	284	473	0	0
2017	0		2017	0	0	0	33	12	13	52	0	0	278	374	0	0
2017	0		2018	0	9	0	40	29	44	37	21	0	312	405	0	0



Total Service Requirements =

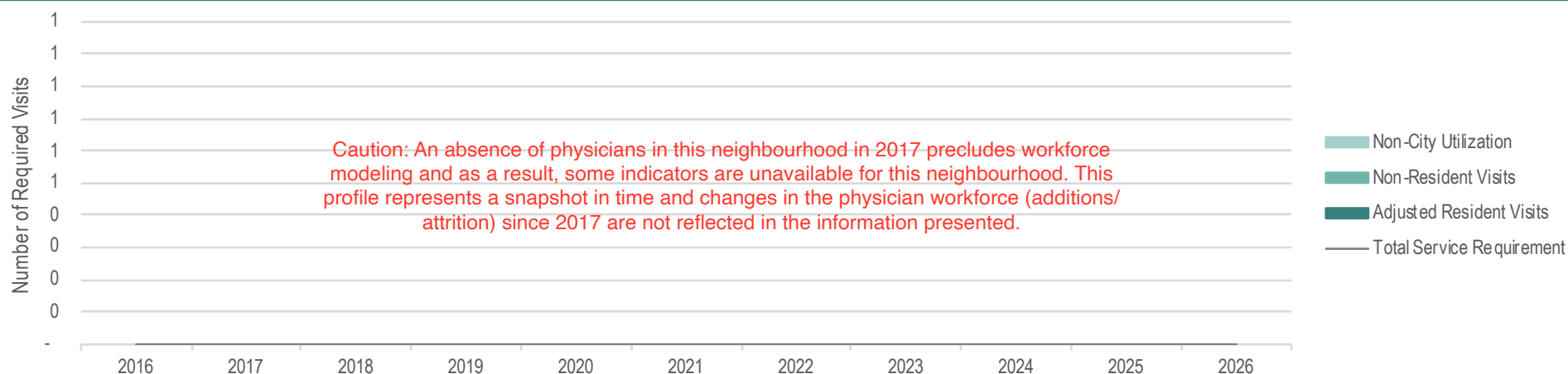
1 - Resident Visits: Number of resident visits expected to be accessed in their neighbourhood of residence based on baseline spatial patterns of utilization

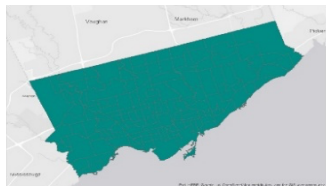
+

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

[illegible]



Primary Care Workforce Planning

Service Capacity Module: Beechborough-Greenbrook

Examine the Sources of Service Capacity at a Neighbourhood Level

Total Service Capacity =

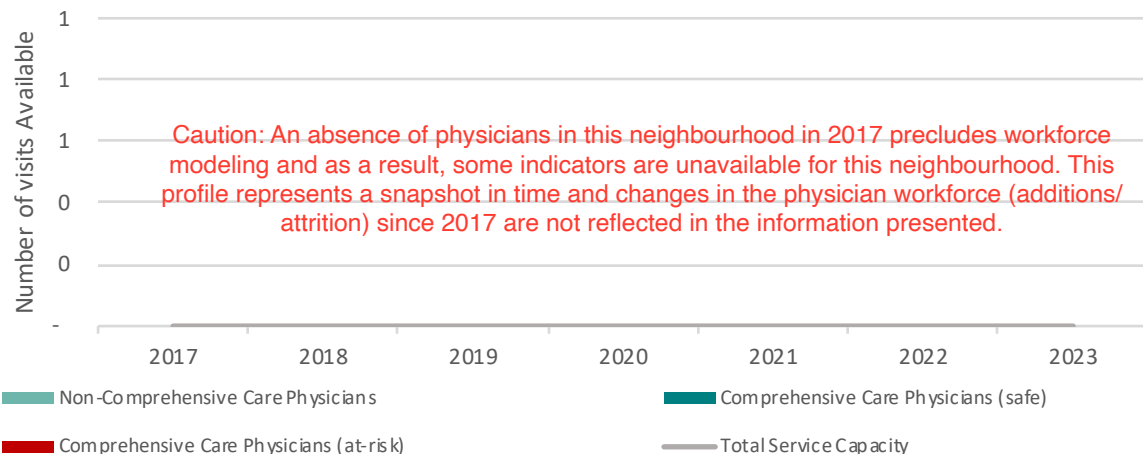
Comprehensive Care Physicians' Safe Service Capacity: Estimated number of services provided by comprehensive care physicians who are not expected to be at risk of exit from the workforce

+

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

+

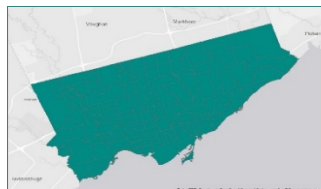
Service Capacity Generated by Non-Comprehensive Care Physicians: Estimated number of services provided by non-comprehensive care physicians



Allied Health Professionals Average Weekly Hours Available			
Profession	2016	2017	2018
Chiropractors	0	0	0
Dieticians	0	0	9
Midwives	0	0	0
NPs	39	33	40
OTs	12	12	29
Optometrists	0	13	44
Pharmacists	98	52	37
PTs	0	0	21
Psychologists	17	0	0
RNs	284	278	312
RPNs	473	374	405
RTs	0	0	0
SLPs	0	0	0

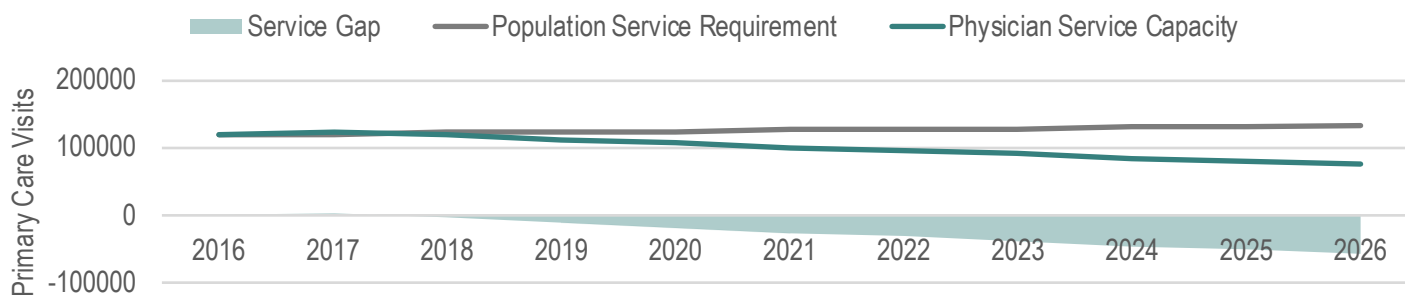
Number of Comprehensive Primary Care Physicians	
2016	0
2017	0

	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	0	0	0	0	0	0	0
Non-Comprehensive Care Physicians' Service Capacity	0						
Total Service Capacity	0	0	0	0	0	0	0



Primary Care Workforce Planning

Neighbourhood Profile: Weston



Need (2021)
126,633 Visits

Current State Gap (2021)
-24,981 Visits

Capacity (2021)
101,652 Visits

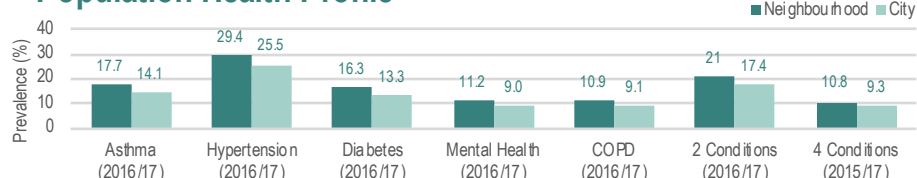
Need (2026)
133,429 Visits

Future State Gap (2026)
-57,154 Visits

Capacity (2026)
76,275 Visits

Population Health Profile

Population (2016)			
Children	Youth	Working Age	Seniors
3,105	2,210	10,225	2,440
17.3 %	12.3 %	56.8 %	13.6 %



Population Growth

Year	Population Estimates (Low-High)	Estimated Yearly Growth
2016	17,992	Neigh: 1.73 % - 2.71 % City: 1.60 % - 2.50 %
2021	20,166 - 20,429	
2026	22,339 - 22,865	

Ontario Marginalization Index (2016)

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

Spatial Patterns of Utilization

Yearly Incoming Demand: 105,763 Non-Resident Visits

Yearly Outgoing Demand: 67,786 Resident Visits

Unmet Need for Primary Care

Indicator	Neigh.	City
PEM Attachment (%)	70.3	71.6
ACSC Hospitalization / 100,000	381.0	244.4
Low Urgency ED (%)	76.2	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	27		2016	16	22	0	0	14	0	700	75	10	356	710	0	34
2017	25		2017	27	60	0	0	14	42	732	46	10	311	629	0	34
			2018	18	63	0	18	14	53	365	5	10	330	711	0	34



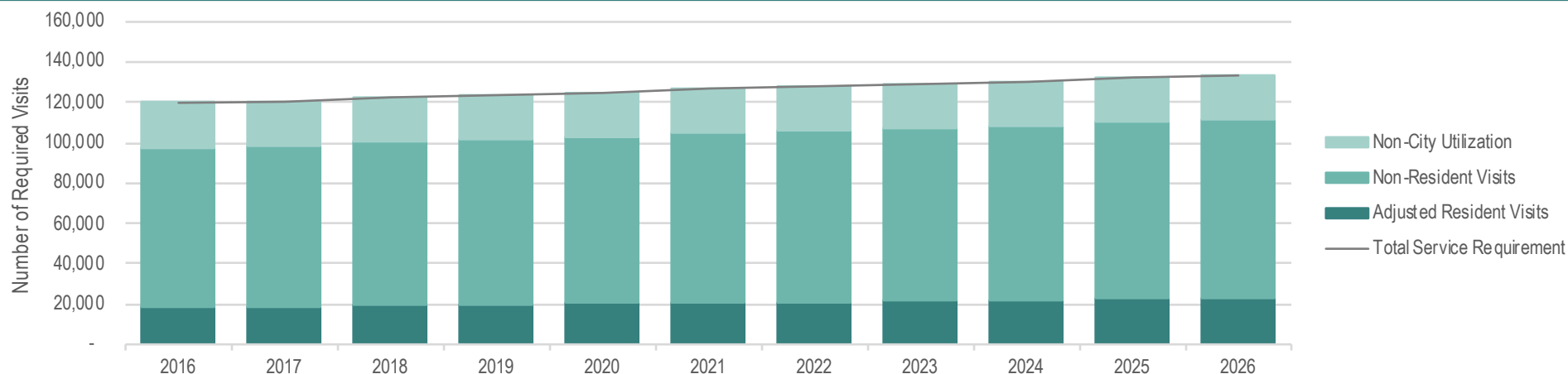
Primary Care Workforce Planning

Service Requirements Module: Weston

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	20,854	21,333	21,813	22,292	22,771	23,251	23,730	24,209	24,688	25,168	25,647
Resident Visits	79,539	80,602	83,195	85,023	86,851	88,679	90,507	92,335	94,163	95,992	97,820
Proportion of Care Accessed Within Home Neighbourhood	23.5%										
Resident Visits Adjusted for Spatial Patterns of Utilization	18,692	18,942	19,551	19,980	20,410	20,840	21,269	21,699	22,128	22,558	22,988
Non-Resident Visits	79,211	79,804	81,070	82,000	82,929	83,859	84,788	85,718	86,647	87,577	88,507
Non-City Utilization	21,935										
Total Service Requirement	119,838	120,681	122,556	123,915	125,274	126,633	127,993	129,352	130,711	132,070	133,429



Primary Care Workforce Planning

Service Capacity Module: Weston

Examine the Sources of Service Capacity at a Neighbourhood Level

Total Service Capacity =

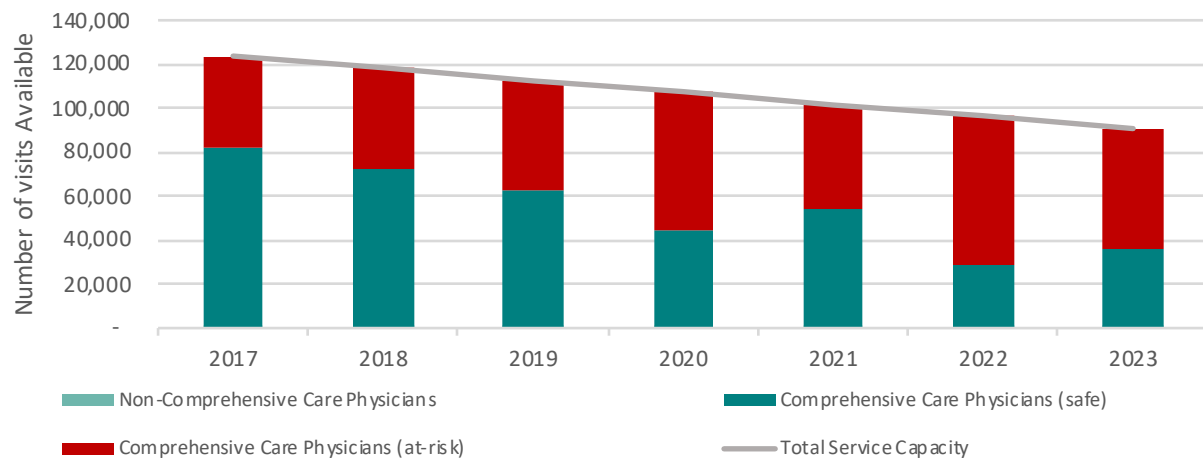
Comprehensive Care Physicians' Safe Service Capacity: Estimated number of services provided by comprehensive care physicians who are not expected to be at risk of exit from the workforce

+

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	16	27	18
Dieticians	22	60	63
Midwives	0	0	0
NPs	0	0	18
OTs	14	14	14
Optometrists	0	42	53
Pharmacists	700	732	365
PTs	75	46	5
Psychologists	10	10	10
RNs	356	311	330
RPNs	710	629	711
RTs	0	0	0
SLPs	34	34	34

Number of Comprehensive Primary Care Physicians

2016	27
2017	25

	2017	2018	2019	2020	2021	2022	2023
Comprehensive Care Physicians' Safe Service Capacity	82,316	72,920	62,580	44,370	53,722	28,491	36,363
Comprehensive Care Physicians' At-Risk Service Capacity	41,409	45,286	50,107	62,798	47,927	67,639	54,364
Non-Comprehensive Care Physicians' Service Capacity	3						
Total Service Capacity	123,728	118,209	112,690	107,171	101,652	96,133	90,730

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.

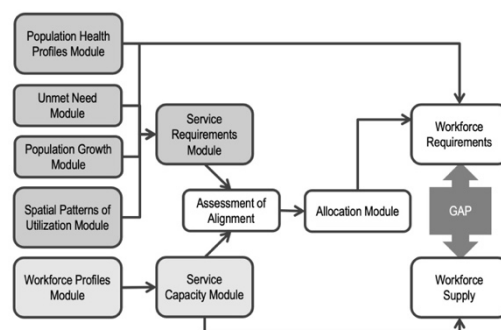
Methodology

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

For more Information, please contact:
Ontario Health Toronto, Health Analytics
Healthanalytics@tc.lhins.on.ca

V1 May 2022