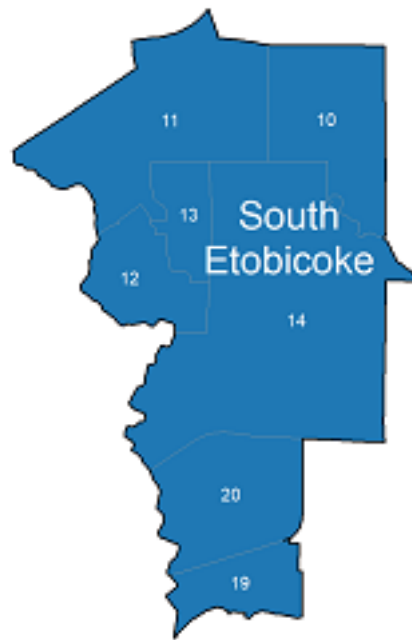
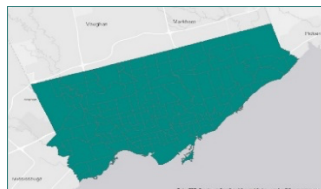


Sub-Region 607 South Etobicoke

Neighbourhoods	
10	Princess-Rosethorn
11	Eringate-Centennial-West Deane
12	Markland Wood
13	Etobicoke West Mall
14	Islington-City Centre West
19	Long Branch
20	Alderwood





Primary Care Workforce Planning

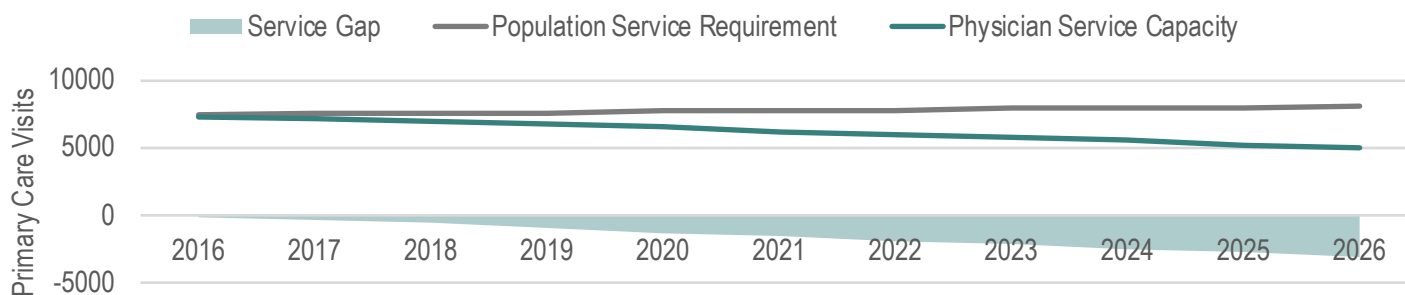
Neighbourhood Profile: Princess-Rosethorn



Ontario Health
Toronto



uOttawa



Need (2021)

7,797 Visits

Current State Gap (2021)

-1,546 Visits

Capacity (2021)

6,251 Visits

Need (2026)

8,117 Visits

Future State Gap (2026)

-3,096 Visits

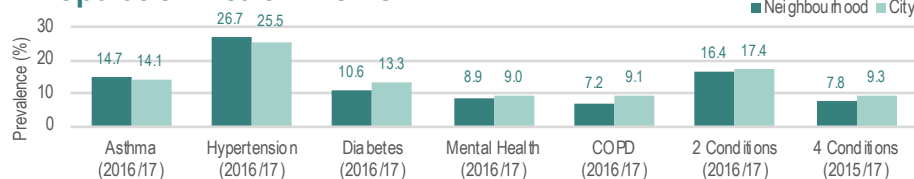
Capacity (2026)

5,021 Visits

Population (2016)

Children	Youth	Working Age	Seniors
1,770	1,575	5,690	2,005
16.0 %	14.2 %	51.5 %	18.1 %

Population Health Profile



Population Growth

Year	Population Estimates (Low-High)	Estimated Yearly Growth
2016	11,051	Neigh: 0.36 % - 0.56 % City: 1.60 % - 2.50 %
2021	11,331 - 11,361	
2026	11,610 - 11,670	

Ontario Marginalization Index (2016)

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

Spatial Patterns of Utilization



Unmet Need for Primary Care

Indicator	Neigh.	City
PEM Attachment (%)	72.1	71.6
ACSC Hospitalization / 100,000	204.2	244.4
Low Urgency ED (%)	120.8	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)															
2017	(1-5)															
2018	(1-5)															
2016	(1-5)		2016	0	0	0	0	0	0	101	0	0	6	0	0	0
2017	(1-5)		2017	0	0	0	0	0	14	112	0	0	14	0	0	0
2018	(1-5)		2018	0	0	0	0	0	14	0	0	0	23	0	0	0



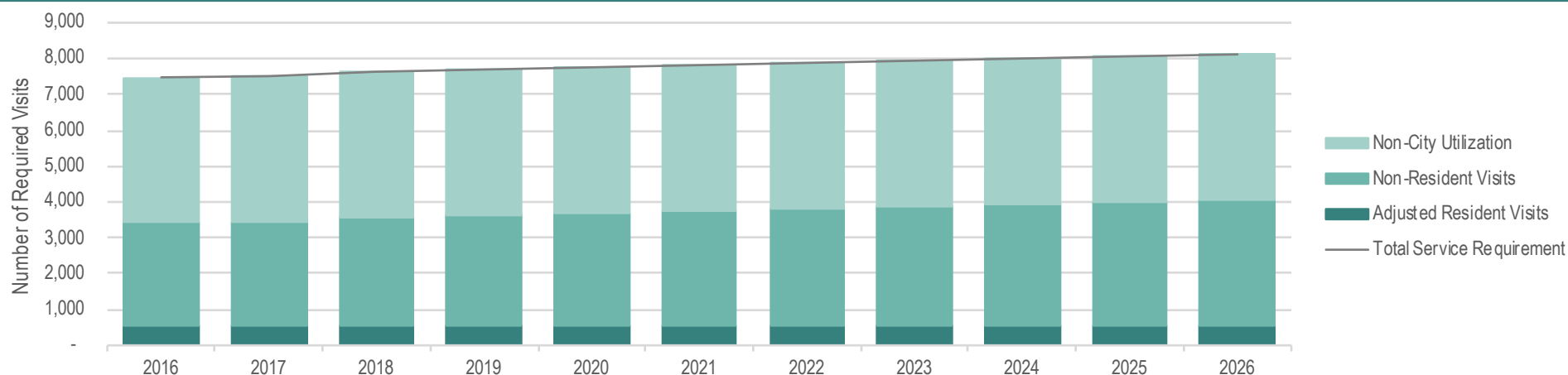
Primary Care Workforce Planning

Service Requirements Module: Princess-Rosethorn

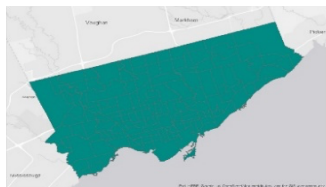
Examine the Sources of Service Requirements at a Neighbourhood Level

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	11,480	11,541	11,602	11,663	11,724	11,785	11,845	11,906	11,967	12,028	12,089
Resident Visits	41,649	42,402	42,091	42,312	42,533	42,754	42,975	43,196	43,417	43,638	43,859
Proportion of Care Accessed Within Home Neighbourhood	1.3%										
Resident Visits Adjusted for Spatial Patterns of Utilization	541	551	547	550	553	556	559	562	564	567	570
Non-Resident Visits	2,889	2,924	3,011	3,073	3,134	3,195	3,256	3,317	3,378	3,439	3,500
Non-City Utilization	4,046										
Total Service Requirement	7,477	7,521	7,605	7,669	7,733	7,797	7,861	7,925	7,989	8,053	8,117



Primary Care Workforce Planning

Service Capacity Module: Princess-Rosethorn

Examine the Sources of Service Capacity at a Neighbourhood Level

Total Service Capacity =

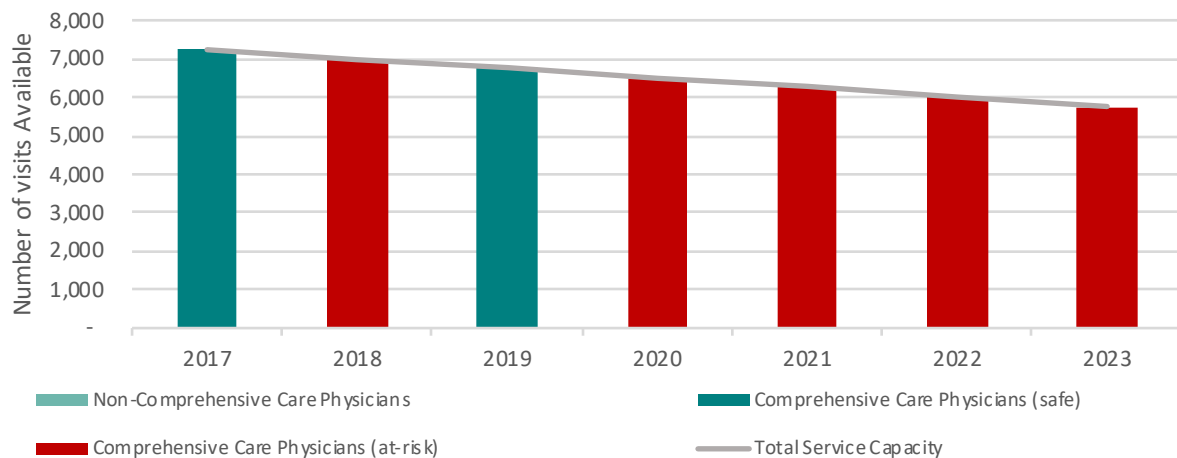
Comprehensive Care Physicians' Safe Service Capacity: Estimated number of services provided by comprehensive care physicians who are not expected to be at risk of exit from the workforce

+

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



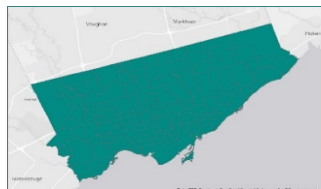
Allied Health Professionals Average Weekly Hours Available

Profession	2016	2017	2018
Chiropractors	0	0	0
Dieticians	0	0	0
Midwives	0	0	0
NPs	0	0	0
OTs	0	0	0
Optometrists	0	14	14
Pharmacists	101	112	0
PTs	0	0	0
Psychologists	0	0	0
RNs	6	14	23
RPNs	0	0	0
RTs	0	0	0
SLPs	0	0	0

Number of Comprehensive Primary Care Physicians

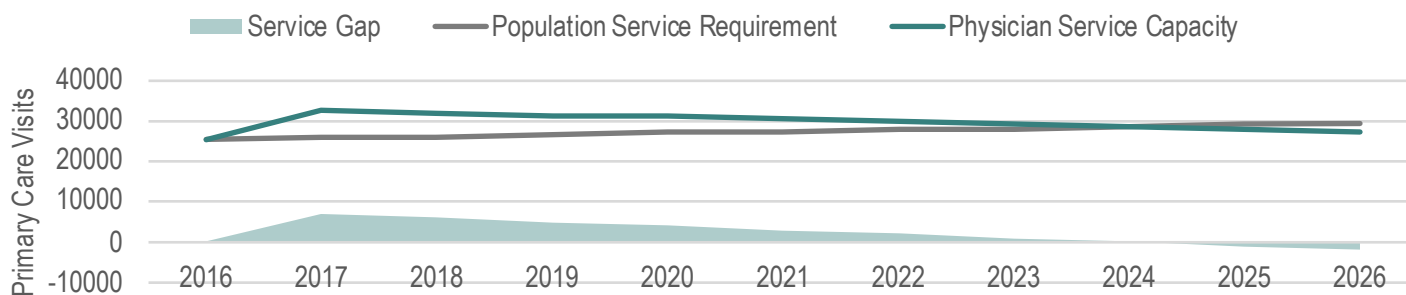
2016	(1-5)
2017	(1-5)

	2017	2018	2019	2020	2021	2022	2023
Comprehensive Care Physicians' Safe Service Capacity	7,235	0	6,743	0	0	0	0
Comprehensive Care Physicians' At-Risk Service Capacity	0	6,989	0	6,497	6,251	6,005	5,759
Non-Comprehensive Care Physicians' Service Capacity	0						
Total Service Capacity	7,235	6,989	6,743	6,497	6,251	6,005	5,759



Primary Care Workforce Planning

Neighbourhood Profile: Eringate-Centennial-West Deane



Need (2021)
27,457 Visits

Current State Gap (2021)
+2,979 Visits

Capacity (2021)
30,436 Visits

Need (2026)
29,426 Visits

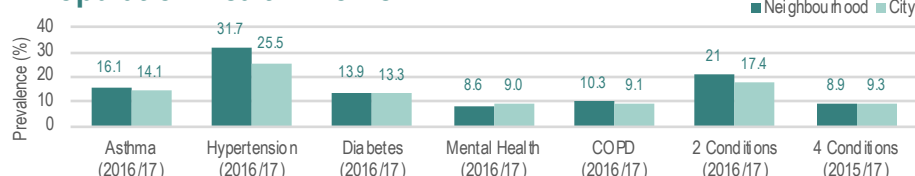
Future State Gap (2026)
-1,820 Visits

Capacity (2026)
27,606 Visits

Population (2016)

Children	Youth	Working Age	Seniors
2,615	2,430	9,755	3,765
14.1 %	13.1 %	52.5 %	20.3 %

Population Health Profile



Population Growth

Year	Population Estimates (Low-High)	Estimated Yearly Growth
2016	18,588	Neigh: 1.27 % - 2.00 % City: 1.60 % - 2.50 %
2021	20,243 - 20,444	
2026	21,899 - 22,300	

Ontario Marginalization Index (2016)

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

Spatial Patterns of Utilization

Yearly Incoming Demand: 21,805 Non-Resident Visits

Yearly Outgoing Demand: 74,863 Resident Visits

Unmet Need for Primary Care

Indicator	Neigh.	City
PEM Attachment (%)	75.6	71.6
ACSC Hospitalization / 100,000	212.5	244.4
Low Urgency ED (%)	144.0	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	6		2016	7	0	0	0	0	0	146	0	13	6	47	0	18
2017	6		2017	0	0	0	0	0	3	179	0	13	11	67	145	17
2017	6		2018	0	10	0	0	4	3	91	0	8	0	50	159	20



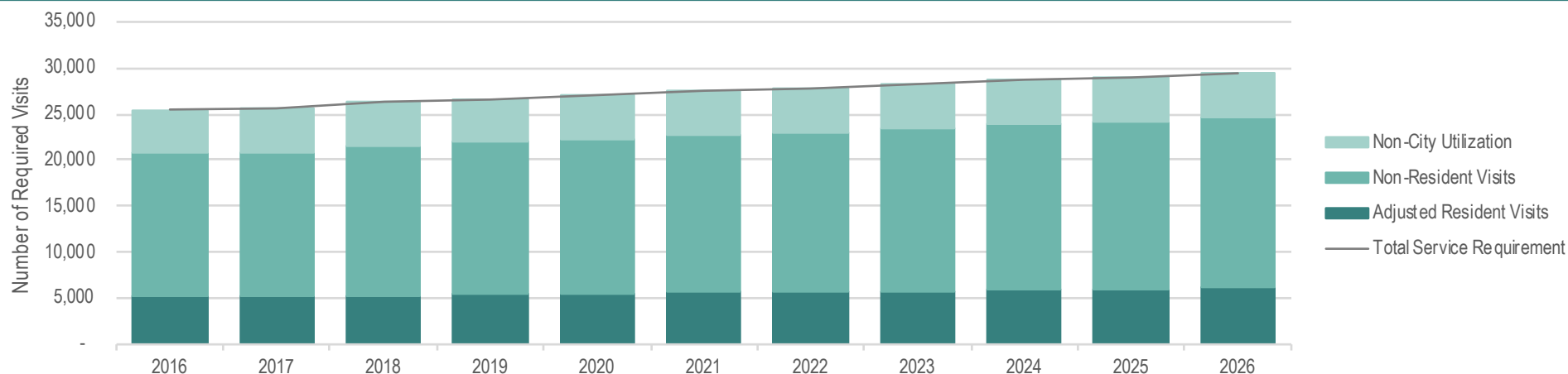
Primary Care Workforce Planning

Service Requirements Module: Eringate-Centennial-West Deane

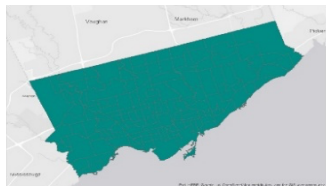
Examine the Sources of Service Requirements at a Neighbourhood Level

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	19,573	19,938	20,303	20,669	21,034	21,399	21,764	22,129	22,495	22,860	23,225
Resident Visits	73,673	74,519	76,422	77,797	79,172	80,546	81,921	83,295	84,670	86,045	87,419
Proportion of Care Accessed Within Home Neighbourhood	7.0%										
Resident Visits Adjusted for Spatial Patterns of Utilization	5,157	5,216	5,350	5,446	5,542	5,638	5,734	5,831	5,927	6,023	6,119
Non-Resident Visits	15,577	15,717	16,172	16,469	16,767	17,064	17,362	17,659	17,956	18,254	18,551
Non-City Utilization	4,755										
Total Service Requirement	25,489	25,689	26,277	26,670	27,064	27,457	27,851	28,245	28,638	29,032	29,426



Primary Care Workforce Planning

Service Capacity Module: Eringate-Centennial-West Deane

Examine the Sources of Service Capacity at a Neighbourhood Level

Total Service Capacity =

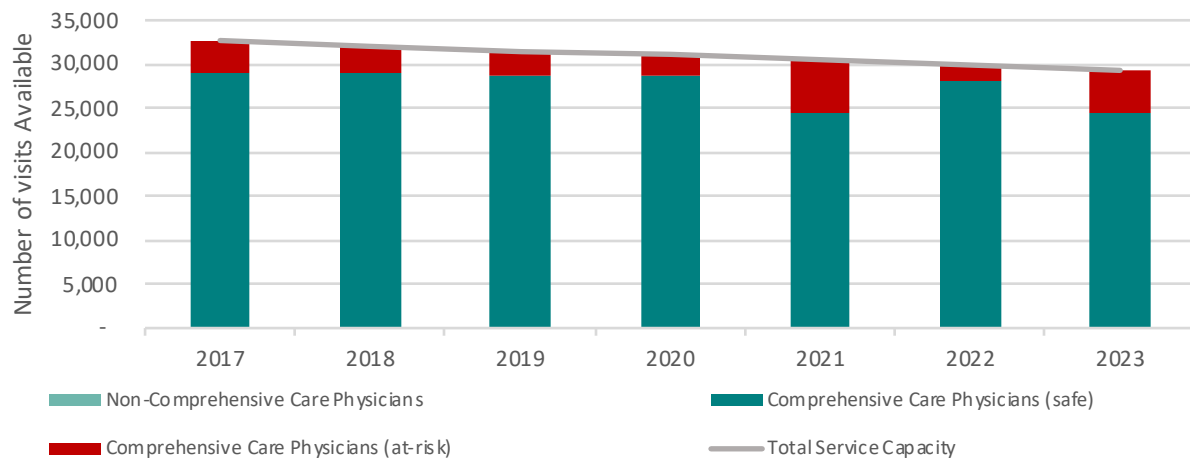
Comprehensive Care Physicians' Safe Service Capacity: Estimated number of services provided by comprehensive care physicians who are not expected to be at risk of exit from the workforce

+

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



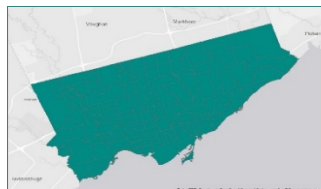
Allied Health Professionals Average Weekly Hours Available

Profession	2016	2017	2018
Chiroprodists	7	0	0
Dieticians	0	0	10
Midwives	0	0	0
NPs	0	0	0
OTs	0	0	4
Optometrists	0	3	3
Pharmacists	146	179	91
PTs	0	0	0
Psychologists	13	13	8
RNs	6	11	0
RPNs	47	67	50
RTs	0	145	159
SLPs	18	17	20

Number of Comprehensive Primary Care Physicians

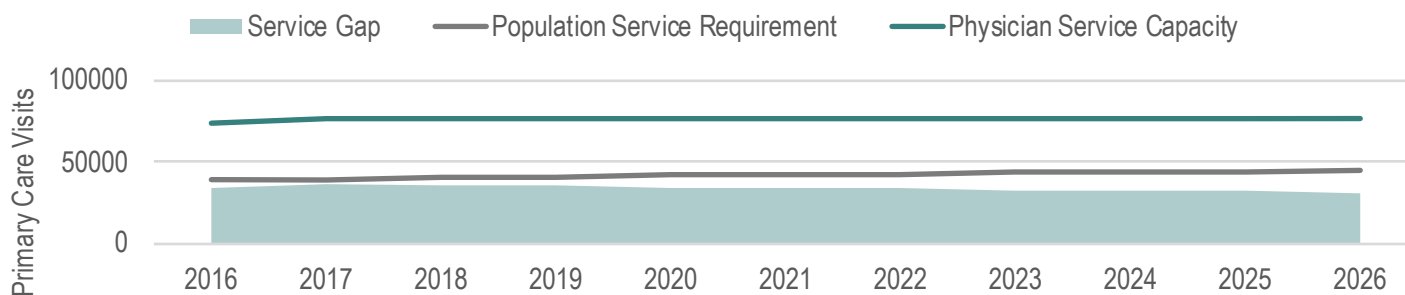
2016	6
2017	6

	2017	2018	2019	2020	2021	2022	2023
Comprehensive Care Physicians' Safe Service Capacity	29,067	28,896	28,725	28,554	24,397	28,212	24,443
Comprehensive Care Physicians' At-Risk Service Capacity	3,633	3,238	2,843	2,448	6,039	1,658	4,861
Non-Comprehensive Care Physicians' Service Capacity	0						
Total Service Capacity	32,700	32,134	31,568	31,002	30,436	29,870	29,304



Primary Care Workforce Planning

Neighbourhood Profile: Markland Wood



Need (2021)
42,285 Visits

Current State Gap (2021)
+34,315 Visits

Capacity (2021)
76,600 Visits

Need (2026)
45,121 Visits

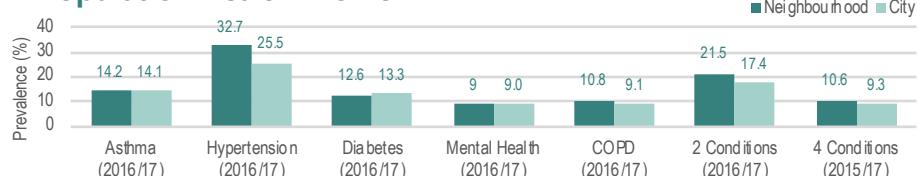
Future State Gap (2026)
+31,749 Visits

Capacity (2026)
76,870 Visits

Population (2016)

Children	Youth	Working Age	Seniors
1,355	1,180	5,330	2,710
12.8 %	11.2 %	50.4 %	25.7 %

Population Health Profile



Population Growth

Year	Population Estimates (Low-High)	Estimated Yearly Growth
2016	10,554	Neigh: 0.17 % - 0.28 % City: 1.60 % - 2.50 %
2021	10,683 - 10,700	
2026	10,812 - 10,845	

Ontario Marginalization Index (2016)

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

Spatial Patterns of Utilization

Yearly Incoming Demand: 36,684 Non-Resident Visits

Yearly Outgoing Demand: 36,969 Resident Visits

Unmet Need for Primary Care

Indicator	Neigh.	City
PEM Attachment (%)	76.5	71.6
ACSC Hospitalization / 100,000	178.0	244.4
Low Urgency ED (%)	149.8	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	14		2016	0	8	0	0	0	0	94	32	0	140	212	0	0
2017	13		2017	0	0	0	0	0	0	155	21	0	164	211	0	0
			2018	0	0	0	0	0	0	72	15	0	168	228	0	0



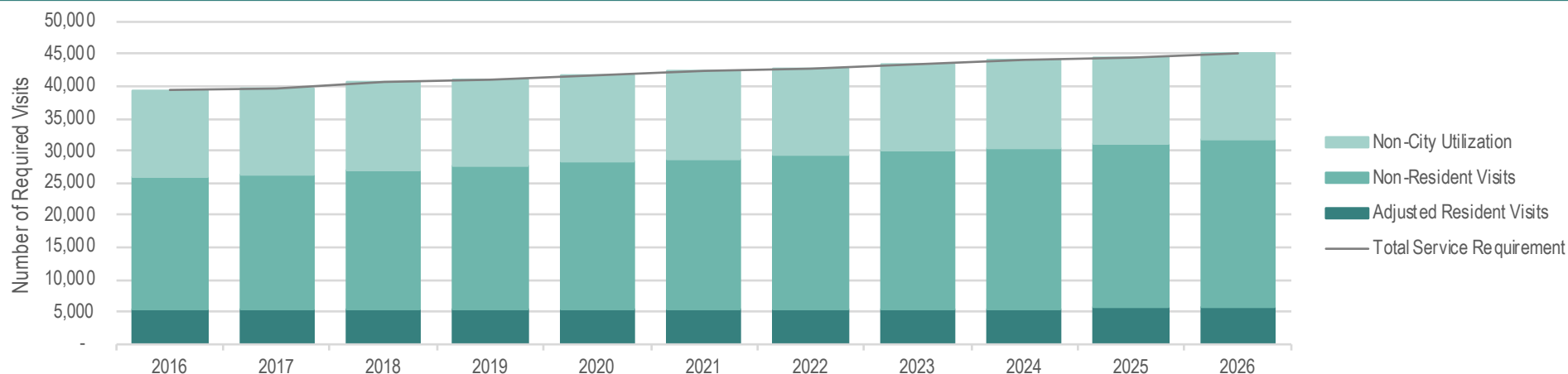
Primary Care Workforce Planning

Service Requirements Module: Markland Wood

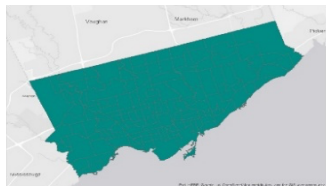
Examine the Sources of Service Requirements at a Neighbourhood Level

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	10,785	10,814	10,842	10,871	10,899	10,928	10,957	10,985	11,014	11,042	11,071
Resident Visits	41,966	42,294	42,188	42,300	42,411	42,522	42,634	42,745	42,856	42,967	43,079
Proportion of Care Accessed Within Home Neighbourhood	13.1%										
Resident Visits Adjusted for Spatial Patterns of Utilization	5,498	5,541	5,527	5,541	5,556	5,570	5,585	5,600	5,614	5,629	5,643
Non-Resident Visits	20,501	20,718	21,606	22,159	22,711	23,264	23,817	24,369	24,922	25,475	26,027
Non-City Utilization	13,451										
Total Service Requirement	39,449	39,709	40,584	41,151	41,718	42,285	42,853	43,420	43,987	44,554	45,121



Primary Care Workforce Planning

Service Capacity Module: Markland Wood

Examine the Sources of Service Capacity at a Neighbourhood Level

Total Service Capacity =

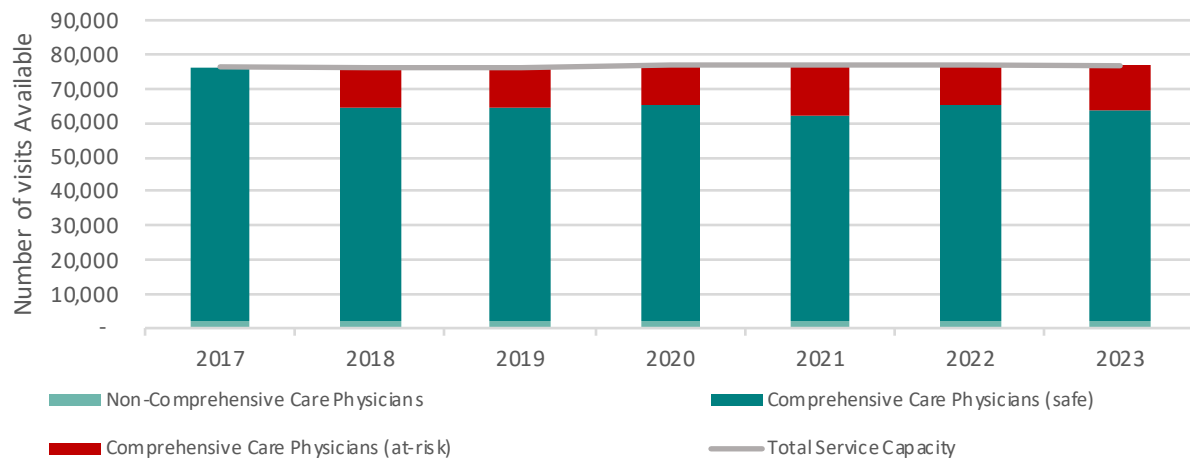
Comprehensive Care Physicians' Safe Service Capacity: Estimated number of services provided by comprehensive care physicians who are not expected to be at risk of exit from the workforce

+

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



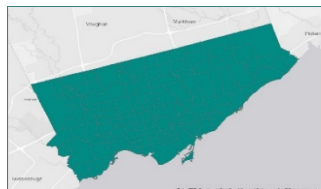
Allied Health Professionals Average Weekly Hours Available

Profession	2016	2017	2018
Chiropractors	0	0	0
Dieticians	8	0	0
Midwives	0	0	0
NPs	0	0	0
OTs	0	0	0
Optometrists	0	0	0
Pharmacists	94	155	72
PTs	32	21	15
Psychologists	0	0	0
RNs	140	164	168
RPNs	212	211	228
RTs	0	0	0
SLPs	0	0	0

Number of Comprehensive Primary Care Physicians

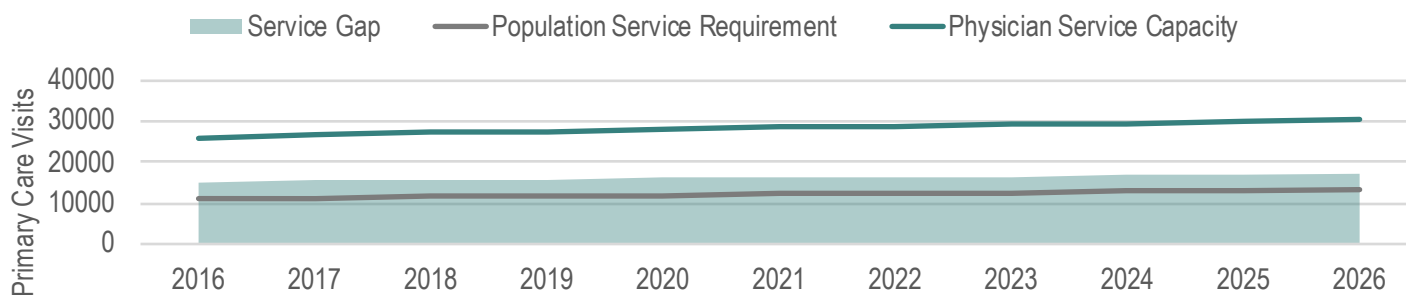
2016	14
2017	13

	2017	2018	2019	2020	2021	2022	2023
Comprehensive Care Physicians' Safe Service Capacity	74,179	62,060	62,364	62,668	59,797	63,276	61,113
Comprehensive Care Physicians' At-Risk Service Capacity	0	12,173	11,923	11,673	14,598	11,173	13,390
Non-Comprehensive Care Physicians' Service Capacity	2,205						
Total Service Capacity	76,384	76,438	76,492	76,546	76,600	76,654	76,708



Primary Care Workforce Planning

Neighbourhood Profile: Etobicoke West Mall



Need (2021)
12,228 Visits

Current State Gap (2021)
+16,228 Visits

Capacity (2021)
28,456 Visits

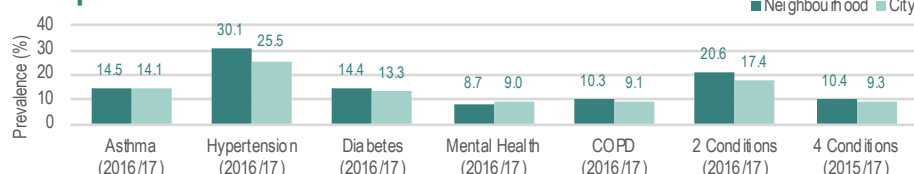
Need (2026)
13,323 Visits

Future State Gap (2026)
+17,218 Visits

Capacity (2026)
30,541 Visits

Population (2016)			
Children	Youth	Working Age	Seniors
1,685	1,460	6,640	2,065
14.2 %	12.3 %	56.0 %	17.4 %

Population Health Profile



Population Growth

Year	Population Estimates (Low-High)	Estimated Yearly Growth
2016	11,848	Neigh: 1.85 % - 2.89 % City: 1.60 % - 2.50 %
2021	13,380 - 13,559	
2026	14,911 - 15,270	

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: 9,826 Non-Resident Visits

Yearly Outgoing Demand: 50,711 Resident Visits

Unmet Need for Primary Care

Indicator	Neigh.	City
PEM Attachment (%)	75.5	71.6
ACSC Hospitalization / 100,000	266.7	244.4
Low Urgency ED (%)	163.1	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	6															
2017	(1-5)															
2018																
2016	6		2016	0	10	0	0	7	0	48	87	56	908	1,597	0	35
2017	(1-5)		2017	0	0	0	0	12	0	49	112	35	881	1,517	0	25
			2018	0	0	0	0	4	0	0	35	44	894	1,647	0	30



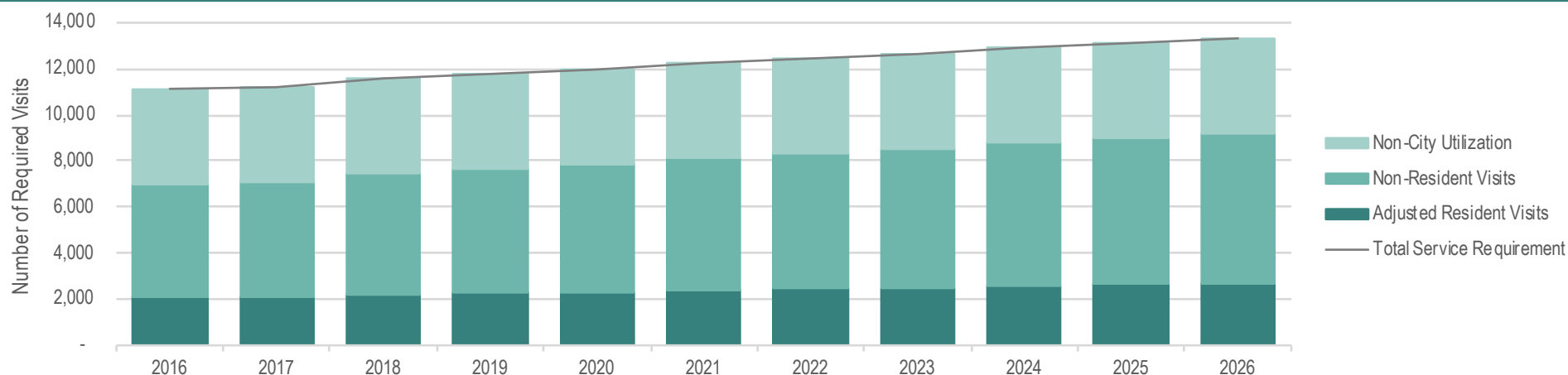
Primary Care Workforce Planning

Service Requirements Module: Etobicoke West Mall

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	11,860	12,197	12,533	12,870	13,207	13,544	13,880	14,217	14,554	14,890	15,227
Resident Visits	46,551	47,237	49,194	50,516	51,837	53,159	54,480	55,802	57,123	58,445	59,767
Proportion of Care Accessed Within Home Neighbourhood	4.5%										
Resident Visits Adjusted for Spatial Patterns of Utilization	2,095	2,126	2,214	2,273	2,333	2,392	2,452	2,511	2,571	2,630	2,689
Non-Resident Visits	4,917	4,973	5,236	5,396	5,556	5,715	5,875	6,035	6,194	6,354	6,514
Non-City Utilization	4,120										
Total Service Requirement	11,132	11,219	11,570	11,789	12,008	12,228	12,447	12,666	12,885	13,104	13,323



Primary Care Workforce Planning

Service Capacity Module: Etobicoke West Mall

Examine the Sources of Service Capacity at a Neighbourhood Level

Total Service Capacity =

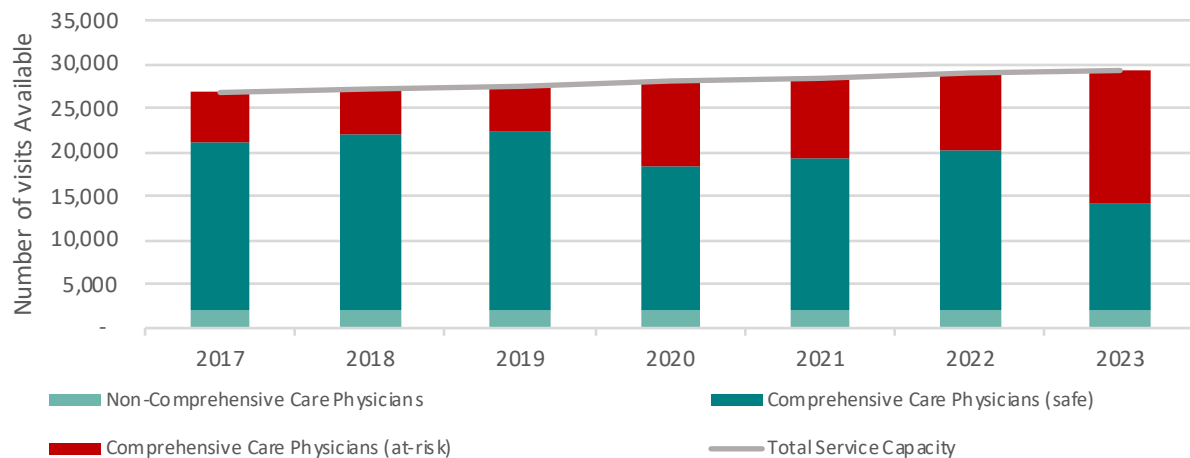
Comprehensive Care Physicians' Safe Service Capacity: Estimated number of services provided by comprehensive care physicians who are not expected to be at risk of exit from the workforce

+

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



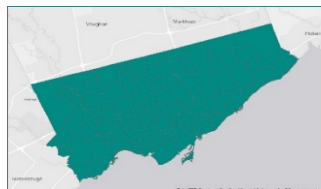
Allied Health Professionals Average Weekly Hours Available

Profession	2016	2017	2018
Chiroprodists	0	0	0
Dieticians	10	0	0
Midwives	0	0	0
NPs	0	0	0
OTs	7	12	4
Optometrists	0	0	0
Pharmacists	48	49	0
PTs	87	112	35
Psychologists	56	35	44
RNs	908	881	894
RPNs	1,597	1,517	1,647
RTs	0	0	0
SLPs	35	25	30

Number of Comprehensive Primary Care Physicians

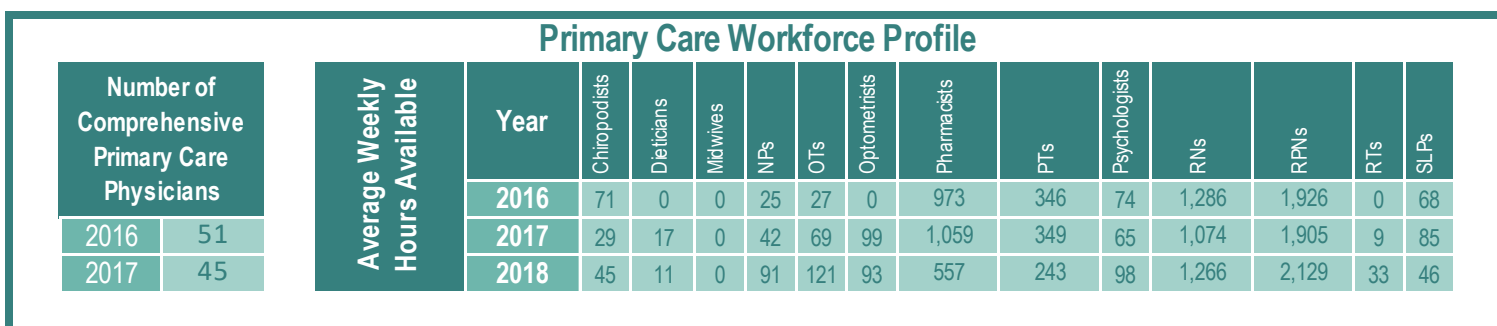
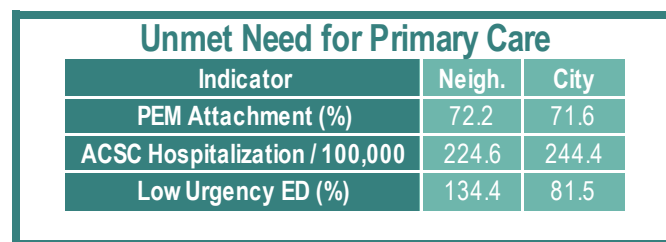
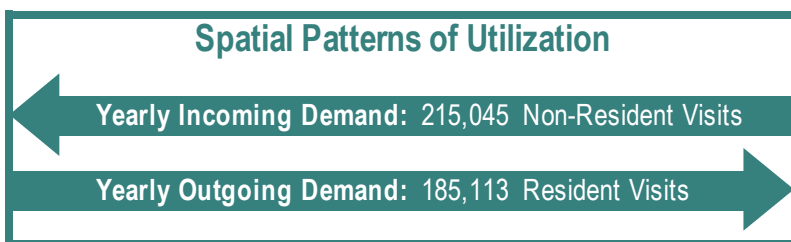
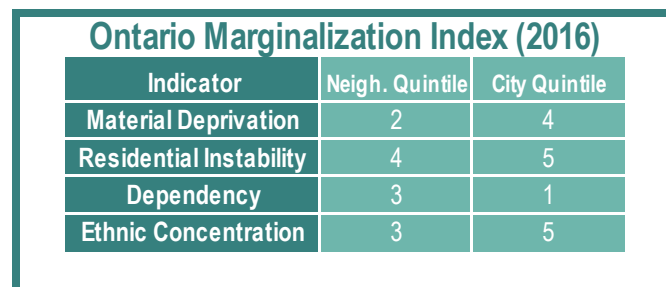
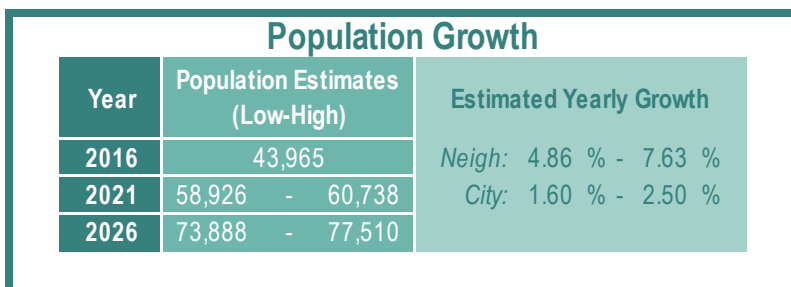
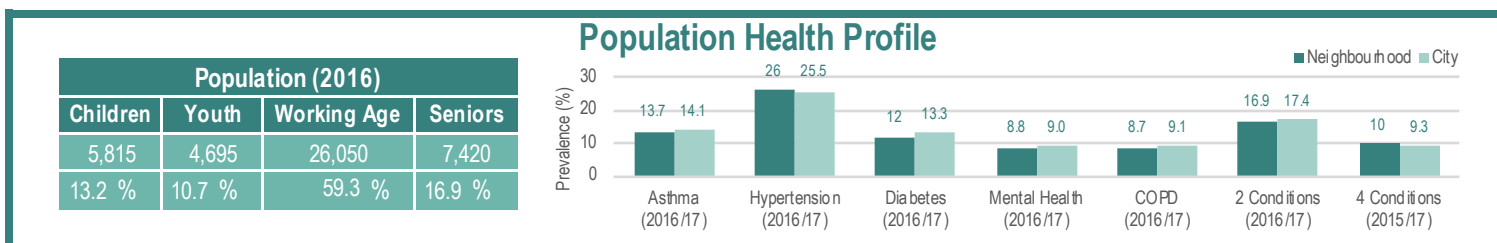
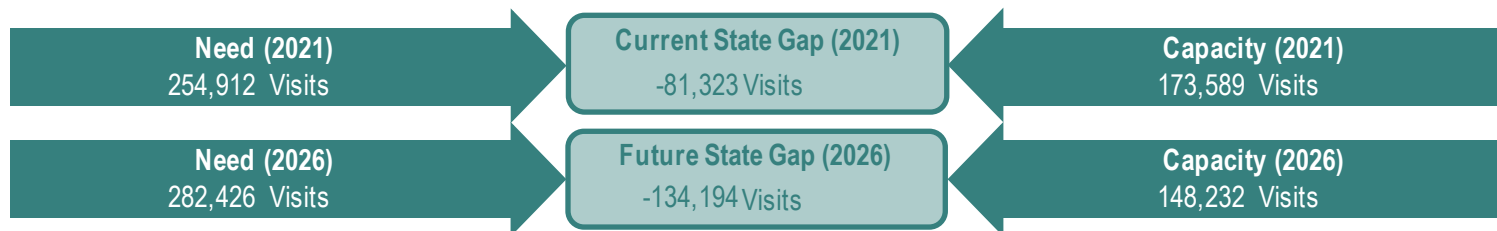
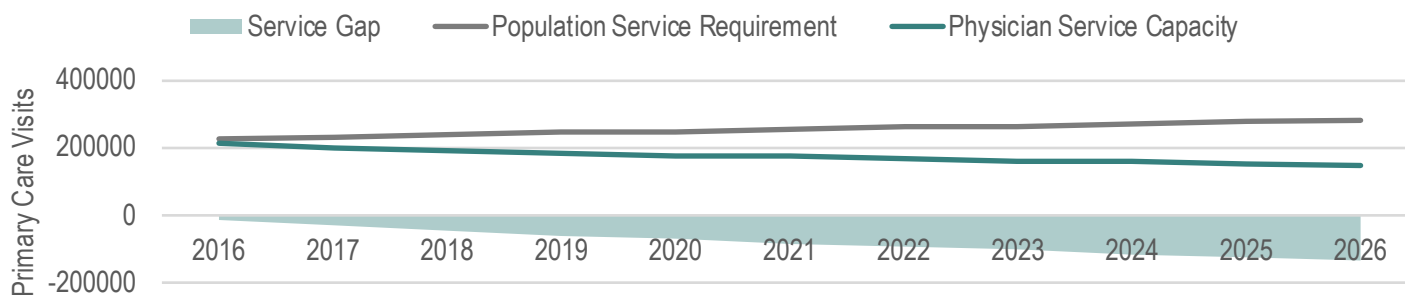
2016	6
2017	(1-5)

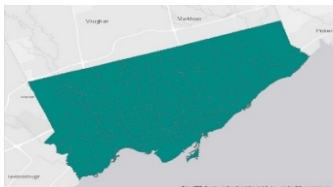
	2017	2018	2019	2020	2021	2022	2023
Comprehensive Care Physicians' Safe Service Capacity	19,070	20,056	20,396	16,377	17,286	18,195	12,273
Comprehensive Care Physicians' At-Risk Service Capacity	5,743	5,174	5,251	9,687	9,195	8,703	15,042
Non-Comprehensive Care Physicians' Service Capacity	1,975						
Total Service Capacity	26,788	27,205	27,622	28,039	28,456	28,873	29,290



Primary Care Workforce Planning

Neighbourhood Profile: Islington-City Centre West





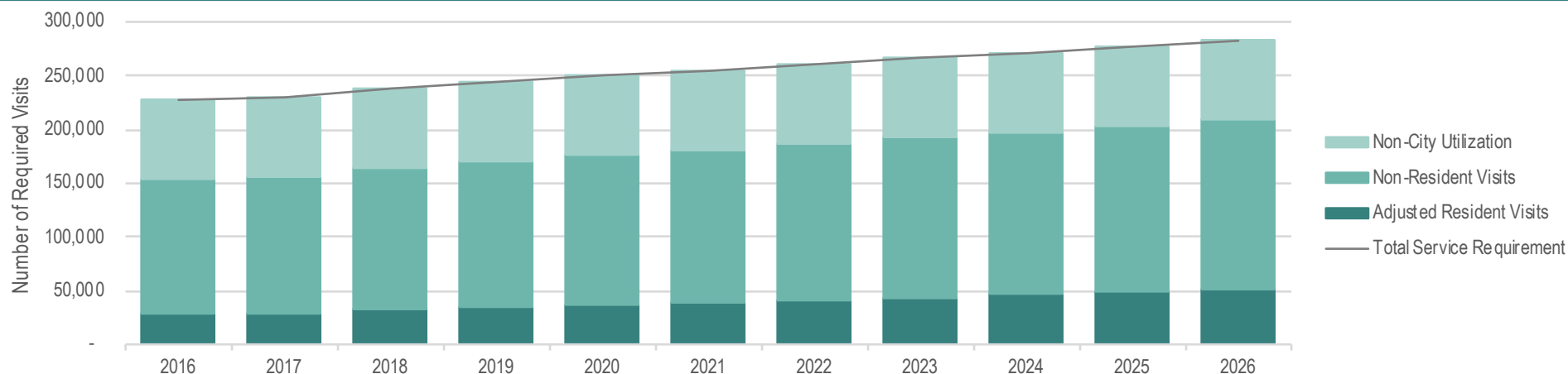
Primary Care Workforce Planning

Service Requirements Module: Islington-City Centre West

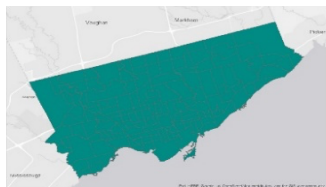
Examine the Sources of Service Requirements at a Neighbourhood Level

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
+
- 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	44,116	47,415	50,714	54,013	57,312	60,611	63,910	67,209	70,508	73,807	77,106
Resident Visits	164,195	166,184	188,752	201,030	213,309	225,587	237,866	250,144	262,423	274,701	286,980
Proportion of Care Accessed Within Home Neighbourhood	17.6%										
Resident Visits Adjusted for Spatial Patterns of Utilization	28,898	29,248	33,220	35,381	37,542	39,703	41,864	44,025	46,186	48,347	50,508
Non-Resident Visits	124,617	126,160	131,301	134,643	137,984	141,326	144,668	148,010	151,352	154,694	158,035
Non-City Utilization	73,882										
Total Service Requirement	227,397	229,291	238,403	243,906	249,409	254,912	260,414	265,917	271,420	276,923	282,426



Primary Care Workforce Planning

Service Capacity Module: Islington-City Centre West

Examine the Sources of Service Capacity at a Neighbourhood Level

Total Service Capacity =

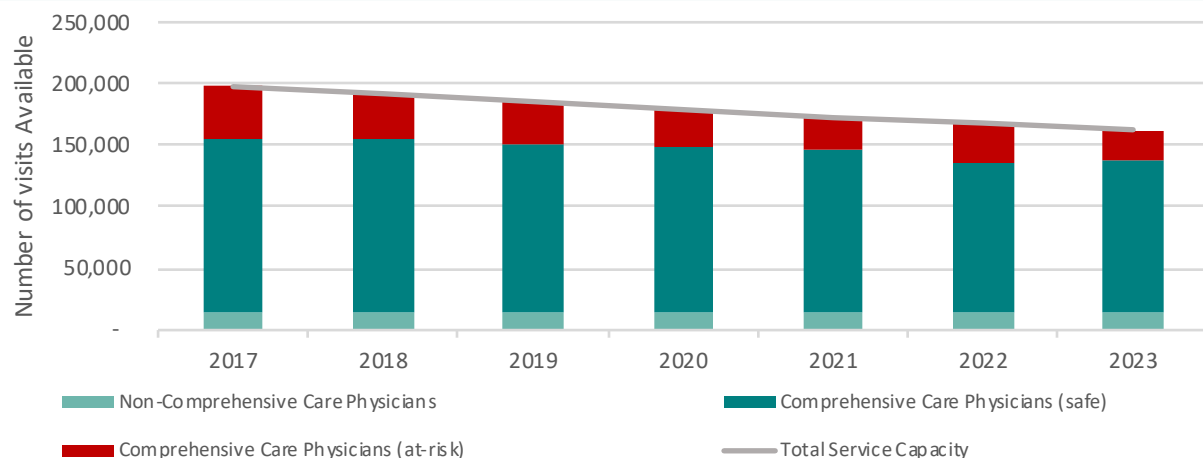
Comprehensive Care Physicians' Safe Service Capacity: Estimated number of services provided by comprehensive care physicians who are not expected to be at risk of exit from the workforce

+

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	71	29	45
Dieticians	0	17	11
Midwives	0	0	0
NPs	25	42	91
OTs	27	69	121
Optometrists	0	99	93
Pharmacists	973	1,059	557
PTs	346	349	243
Psychologists	74	65	98
RNs	1,286	1,074	1,266
RPNs	1,926	1,905	2,129
RTs	0	9	33
SLPs	68	85	46

Number of Comprehensive Primary Care Physicians

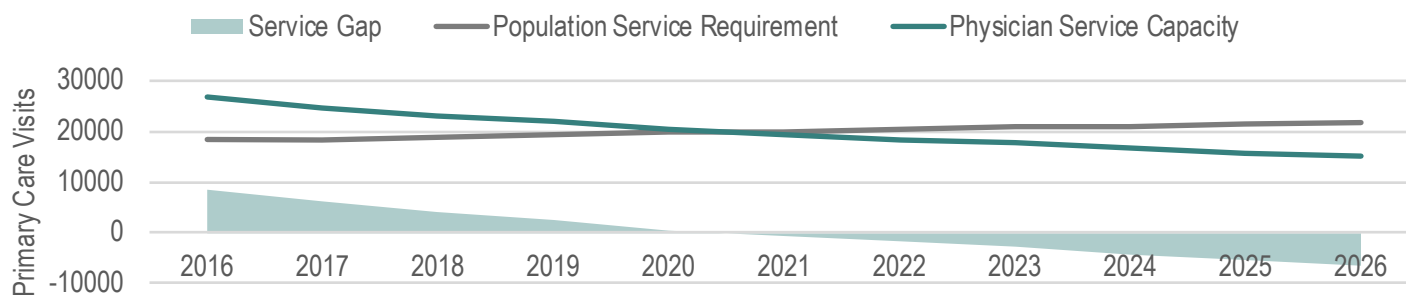
2016	51
2017	45

	2017	2018	2019	2020	2021	2022	2023
Comprehensive Care Physicians' Safe Service Capacity	141,448	140,437	135,992	134,649	131,324	122,087	123,750
Comprehensive Care Physicians' At-Risk Service Capacity	41,685	36,271	34,730	30,228	27,708	31,401	24,387
Non-Comprehensive Care Physicians' Service Capacity	14,557						
Total Service Capacity	197,690	191,265	185,279	179,434	173,589	168,045	162,694



Primary Care Workforce Planning

Neighbourhood Profile: Long Branch



Need (2021)
20,046 Visits

Current State Gap (2021)
-710 Visits

Capacity (2021)
19,336 Visits

Need (2026)
21,720 Visits

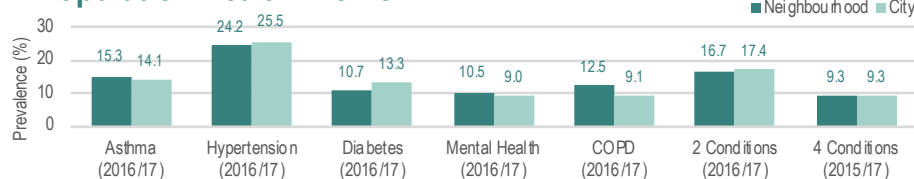
Future State Gap (2026)
-6,646 Visits

Capacity (2026)
15,074 Visits

Population (2016)

Children	Youth	Working Age	Seniors
1,345	1,105	6,235	1,390
13.3 %	11.0 %	61.8 %	13.8 %

Population Health Profile



Population Growth

Year	Population Estimates (Low-High)	Estimated Yearly Growth
2016	10,084	Neigh: 1.04 % - 1.58 %
2021	10,815 - 10,882	City: 1.60 % - 2.50 %
2026	11,546 - 11,680	

Ontario Marginalization Index (2016)

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

Spatial Patterns of Utilization

Yearly Incoming Demand: 16,149 Non-Resident Visits

Yearly Outgoing Demand: 36,967 Resident Visits

Unmet Need for Primary Care

Indicator	Neigh.	City
PEM Attachment (%)	69.8	71.6
ACSC Hospitalization / 100,000	254.3	244.4
Low Urgency ED (%)	166.5	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	6		2016	0	0	0	0	0	0	165	11	0	24	0	0	0
2017	(1-5)		2017	0	0	0	0	0	4	194	26	0	17	2	0	0
2018			2018	0	0	0	0	0	8	27	62	0	26	15	0	0



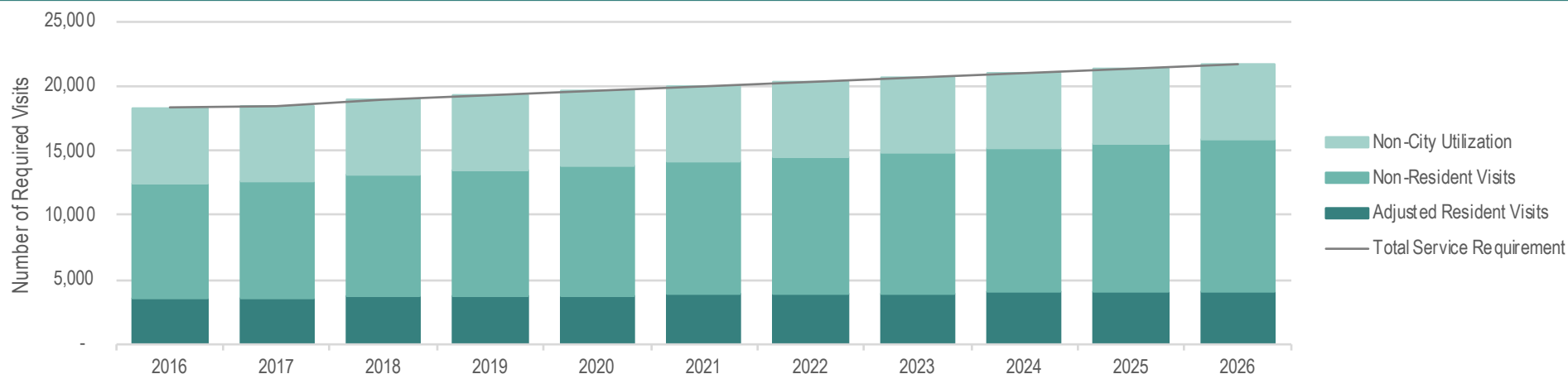
Primary Care Workforce Planning

Service Requirements Module: Long Branch

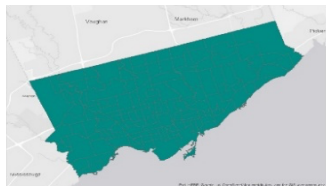
Examine the Sources of Service Requirements at a Neighbourhood Level

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	10,134	10,293	10,451	10,610	10,768	10,927	11,086	11,244	11,403	11,561	11,720
Resident Visits	37,930	37,963	39,118	39,711	40,305	40,898	41,492	42,086	42,679	43,273	43,866
Proportion of Care Accessed Within Home Neighbourhood	9.5%										
Resident Visits Adjusted for Spatial Patterns of Utilization	3,603	3,607	3,716	3,773	3,829	3,885	3,942	3,998	4,055	4,111	4,167
Non-Resident Visits	8,882	9,031	9,439	9,717	9,996	10,274	10,552	10,831	11,109	11,388	11,666
Non-City Utilization	5,887										
Total Service Requirement	18,373	18,524	19,042	19,377	19,712	20,046	20,381	20,716	21,051	21,385	21,720



Primary Care Workforce Planning

Service Capacity Module: Long Branch

Examine the Sources of Service Capacity at a Neighbourhood Level

Total Service Capacity =

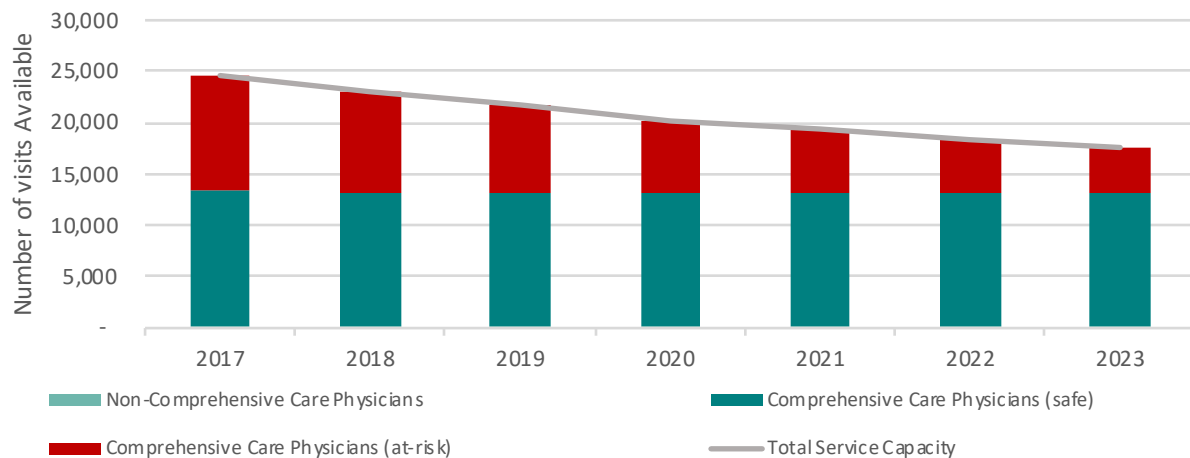
Comprehensive Care Physicians' Safe Service Capacity: Estimated number of services provided by comprehensive care physicians who are not expected to be at risk of exit from the workforce

+

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



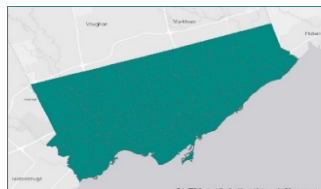
Allied Health Professionals Average Weekly Hours Available

Profession	2016	2017	2018
Chiropractors	0	0	0
Dieticians	0	0	0
Midwives	0	0	0
NPs	0	0	0
OTs	0	0	0
Optometrists	0	4	8
Pharmacists	165	194	27
PTs	11	26	62
Psychologists	0	0	0
RNs	24	17	26
RPNs	0	2	15
RTs	0	0	0
SLPs	0	0	0

Number of Comprehensive Primary Care Physicians

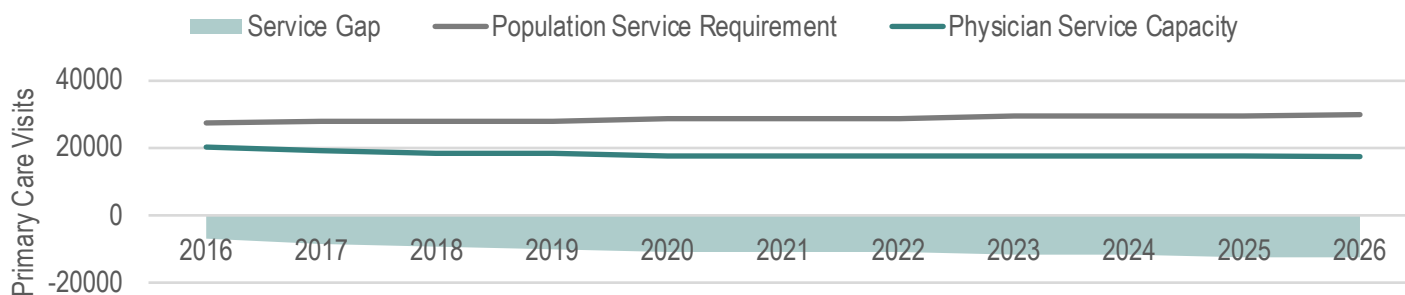
2016	6
2017	(1-5)

	2017	2018	2019	2020	2021	2022	2023
Comprehensive Care Physicians' Safe Service Capacity	13,053	13,013	12,973	12,933	12,893	12,853	12,813
Comprehensive Care Physicians' At-Risk Service Capacity	11,293	9,885	8,477	7,069	6,177	5,349	4,521
Non-Comprehensive Care Physicians' Service Capacity	266						
Total Service Capacity	24,612	23,164	21,716	20,268	19,336	18,468	17,600



Primary Care Workforce Planning

Neighbourhood Profile: Alderwood



Need (2021)
28,712 Visits

Current State Gap (2021)
-10,974 Visits

Capacity (2021)
17,738 Visits

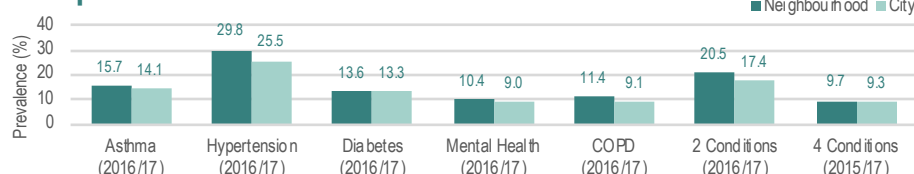
Need (2026)
29,946 Visits

Future State Gap (2026)
-12,478 Visits

Capacity (2026)
17,468 Visits

Population (2016)			
Children	Youth	Working Age	Seniors
1,760	1,240	7,040	2,005
14.6 %	10.3 %	58.4 %	16.6 %

Population Health Profile



Population Growth

Year	Population Estimates (Low-High)	Estimated Yearly Growth
2016	12,054	Neigh: 1.12 % - 1.74 % City: 1.60 % - 2.50 %
2021	12,997 - 13,105	
2026	13,940 - 14,155	

Ontario Marginalization Index (2016)

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

Spatial Patterns of Utilization

← **Yearly Incoming Demand:** 22,586 Non-Resident Visits

Yearly Outgoing Demand: 45,282 Resident Visits →

Unmet Need for Primary Care

Indicator	Neigh.	City
PEM Attachment (%)	73.5	71.6
ACSC Hospitalization / 100,000	272.4	244.4
Low Urgency ED (%)	210.8	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	0	0	0	17	0	0	162	40	0	0	17	0	15
2017	(1-5)		2017	0	0	0	32	0	0	121	34	0	0	28	0	15
2017	(1-5)		2018	0	0	0	32	0	0	31	0	0	0	28	0	13



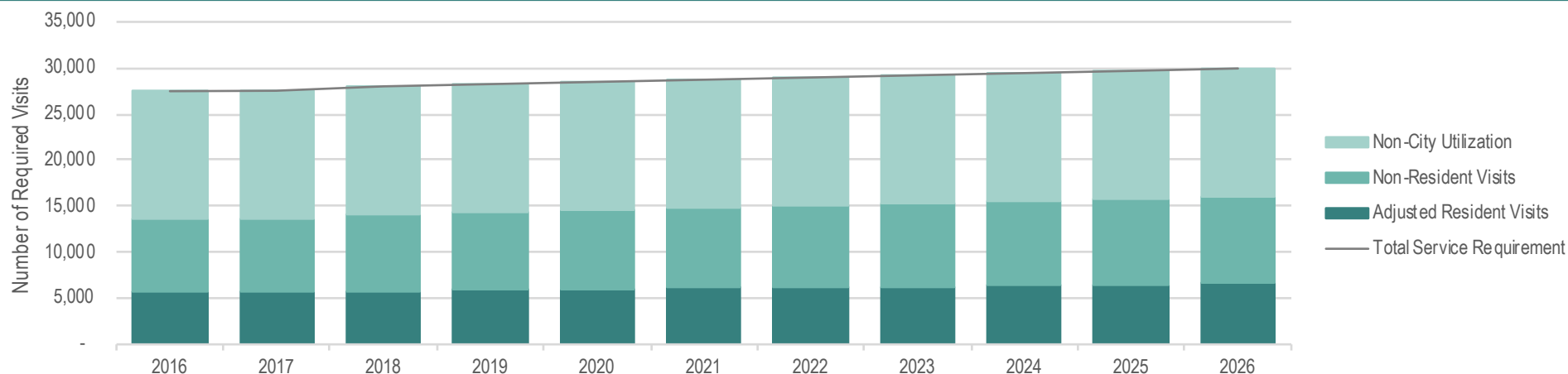
Primary Care Workforce Planning

Service Requirements Module: Alderwood

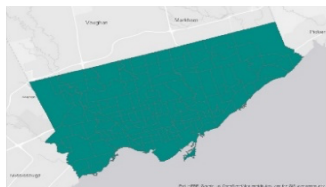
Examine the Sources of Service Requirements at a Neighbourhood Level

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	12,428	12,635	12,842	13,049	13,256	13,464	13,671	13,878	14,085	14,292	14,499
Resident Visits	47,462	48,053	49,043	49,834	50,625	51,416	52,207	52,998	53,789	54,580	55,371
Proportion of Care Accessed Within Home Neighbourhood	11.9%										
Resident Visits Adjusted for Spatial Patterns of Utilization	5,648	5,718	5,836	5,930	6,024	6,119	6,213	6,307	6,401	6,495	6,589
Non-Resident Visits	7,881	7,952	8,186	8,339	8,492	8,644	8,797	8,950	9,103	9,255	9,408
Non-City Utilization	13,949										
Total Service Requirement	27,478	27,620	27,971	28,218	28,465	28,712	28,959	29,206	29,453	29,699	29,946



Primary Care Workforce Planning

Service Capacity Module: Alderwood

Examine the Sources of Service Capacity at a Neighbourhood Level

Total Service Capacity =

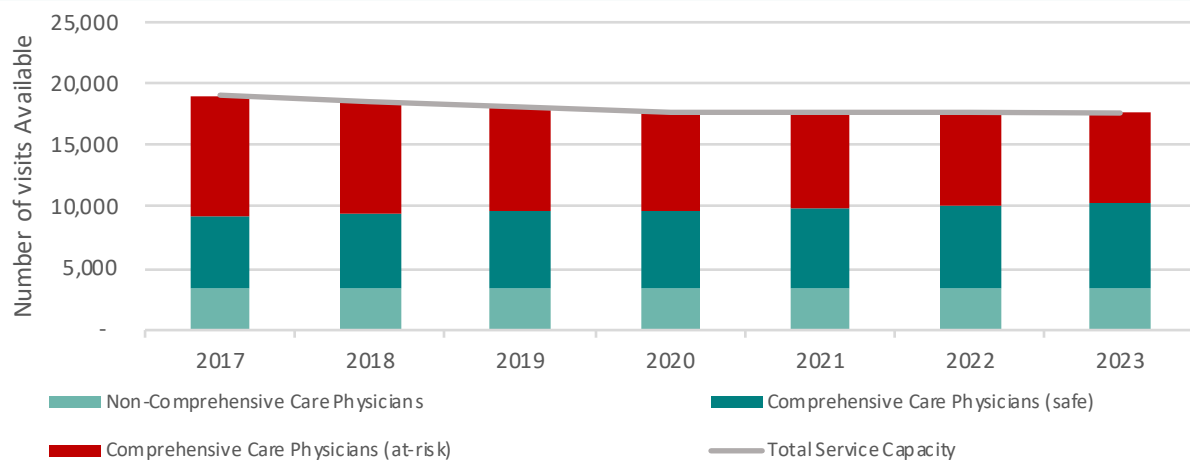
Comprehensive Care Physicians' Safe Service Capacity: Estimated number of services provided by comprehensive care physicians who are not expected to be at risk of exit from the workforce

+

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	17	32	32
OTs	0	0	0
Optometrists	0	0	0
Pharmacists	162	121	31
PTs	40	34	0
Psychologists	0	0	0
RNs	0	0	0
RPNs	17	28	28
RTs	0	0	0
SLPs	15	15	13

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	5,723	5,919	6,115	6,311	6,507	6,703	6,899
Comprehensive Care Physicians' At-Risk Service Capacity	9,896	9,238	8,580	8,020	7,770	7,520	7,270
Non-Comprehensive Care Physicians' Service Capacity	3,461						
Total Service Capacity	19,080	18,618	18,156	17,792	17,738	17,684	17,630

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.

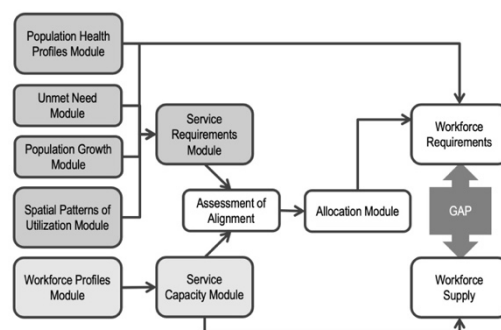
Methodology

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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