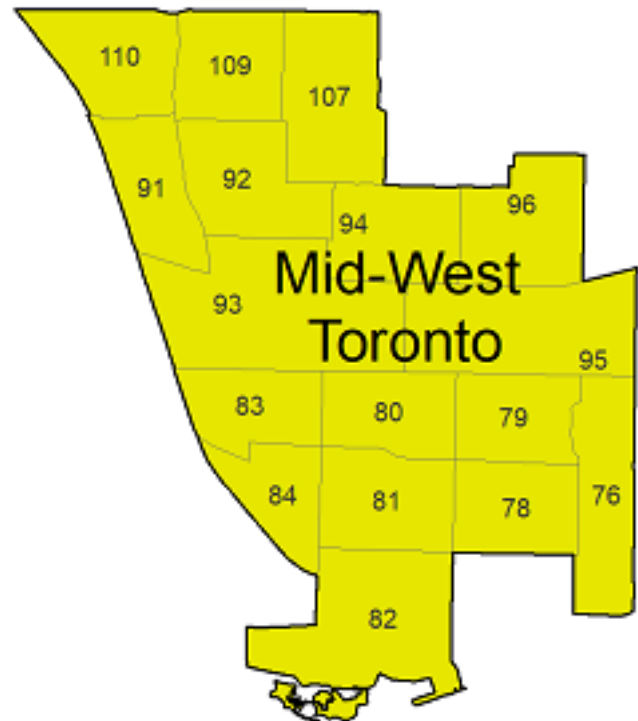
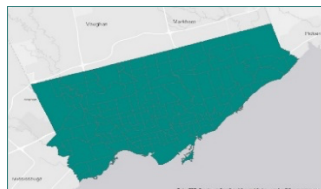


Sub-Region 702 Mid-West Toronto

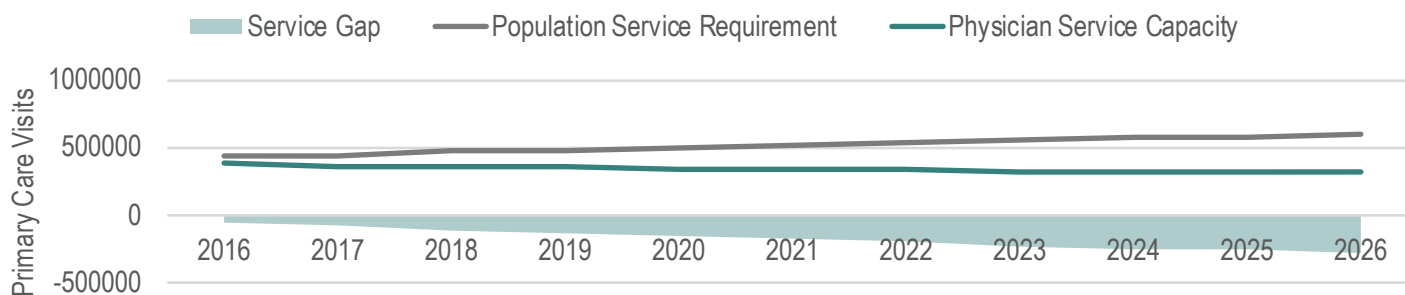
Neighbourhoods	
76	Bay Street Corridor
78	Kensington-Chinatown
79	University
80	Palmerston-Little Italy
81	Trinity-Bellwoods
82	Niagara
83	Dufferin Grove
84	Little Portugal
91	Weston-Pelham Park
92	Corso Italia-Davenport
93	Dovercourt-Wallace Emerson-Junction
94	Wychwood
95	Annex
96	Casa Loma
107	Oakwood Village
109	Caledonia-Fairbank
110	Keelesdale-Eglinton West





Primary Care Workforce Planning

Neighbourhood Profile: Bay Street Corridor



Need (2021)
522,256 Visits

Current State Gap (2021)
-180,860 Visits

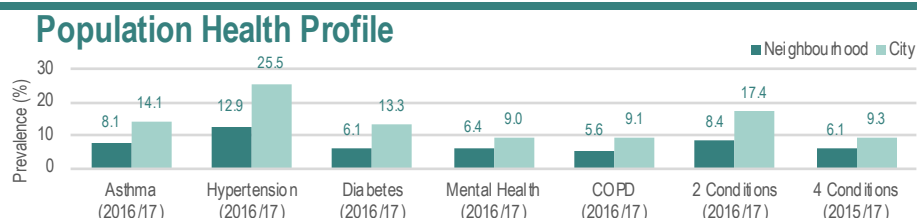
Capacity (2021)
341,396 Visits

Need (2026)
602,950 Visits

Future State Gap (2026)
-280,215 Visits

Capacity (2026)
322,735 Visits

Population (2016)			
Children	Youth	Working Age	Seniors
1,690	6,860	14,830	2,410
6.6 %	26.6 %	57.5 %	9.3 %



Population Growth

Year	Population Estimates (Low-High)	Estimated Yearly Growth
2016	25,797	Neigh: 5.71 % - 8.98 % City: 1.60 % - 2.50 %
2021	36,116 - 37,384	
2026	46,436 - 48,970	

Ontario Marginalization Index (2016)

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

Spatial Patterns of Utilization

Yearly Incoming Demand: 488,805 Non-Resident Visits

Yearly Outgoing Demand: 76,927 Resident Visits

Unmet Need for Primary Care

Indicator	Neigh.	City
PEM Attachment (%)	59.1	71.6
ACSC Hospitalization / 100,000	139.8	244.4
Low Urgency ED (%)	61.5	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	99		2016	215	270	0	266	219	0	2,876	1,166	653	1,338	761	0	211
2017	82		2017	255	226	0	127	143	960	2,681	1,129	739	1,426	758	82	214
			2018	326	288	13	144	114	####	1,028	769	778	1,415	733	81	207



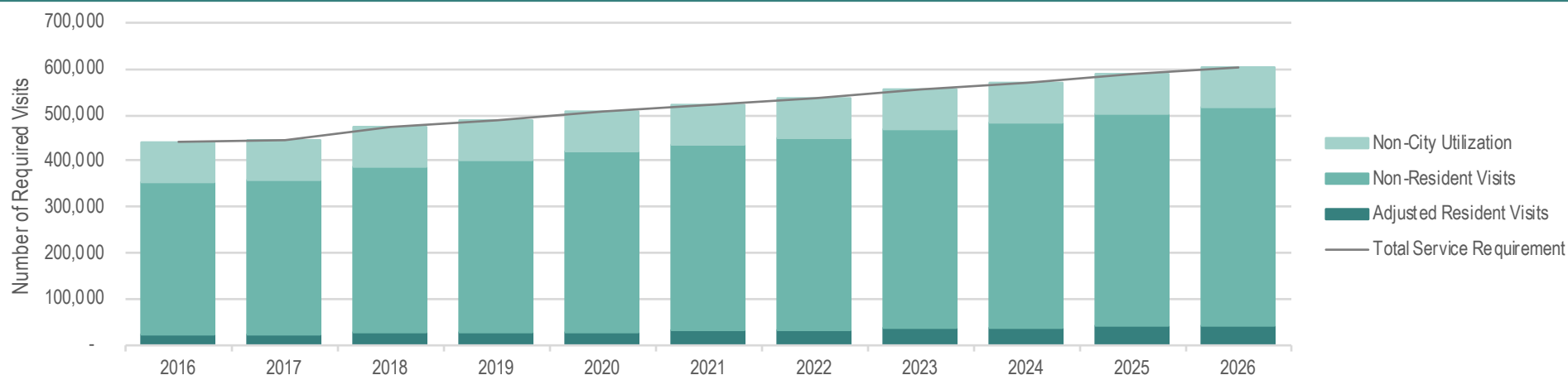
Primary Care Workforce Planning

Service Requirements Module: Bay Street Corridor

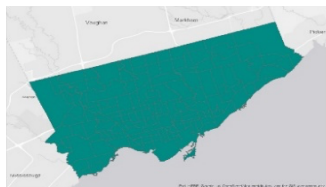
Examine the Sources of Service Requirements at a Neighbourhood Level

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	24,010	26,287	28,565	30,842	33,119	35,397	37,674	39,951	42,228	44,506	46,783
Resident Visits	74,474	77,525	88,601	95,665	102,729	109,792	116,856	123,920	130,983	138,047	145,111
Proportion of Care Accessed Within Home Neighbourhood	29.7%										
Resident Visits Adjusted for Spatial Patterns of Utilization	22,119	23,025	26,315	28,412	30,510	32,608	34,706	36,804	38,902	41,000	43,098
Non-Resident Visits	333,191	337,964	361,273	375,314	389,355	403,395	417,436	431,477	445,518	459,559	473,600
Non-City Utilization	86,252										
Total Service Requirement	441,562	447,241	473,839	489,978	506,117	522,256	538,395	554,533	570,672	586,811	602,950



Primary Care Workforce Planning

Service Capacity Module: Bay Street Corridor

Examine the Sources of Service Capacity at a Neighbourhood Level

Total Service Capacity =

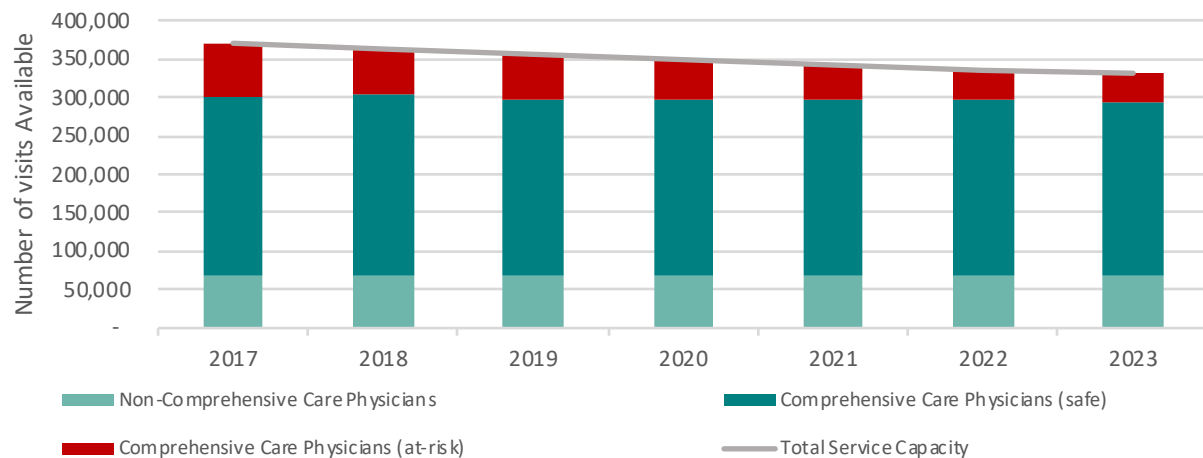
Comprehensive Care Physicians' Safe Service Capacity: Estimated number of services provided by comprehensive care physicians who are not expected to be at risk of exit from the workforce

+

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	215	255	326
Dieticians	270	226	288
Midwives	0	0	13
NPs	266	127	144
OTs	219	143	114
Optometrists	0	960	1,097
Pharmacists	2,876	2,681	1,028
PTs	1,166	1,129	769
Psychologists	653	739	778
RNs	1,338	1,426	1,415
RPNs	761	758	733
RTs	0	82	81
SLPs	211	214	207

Number of Comprehensive Primary Care Physicians

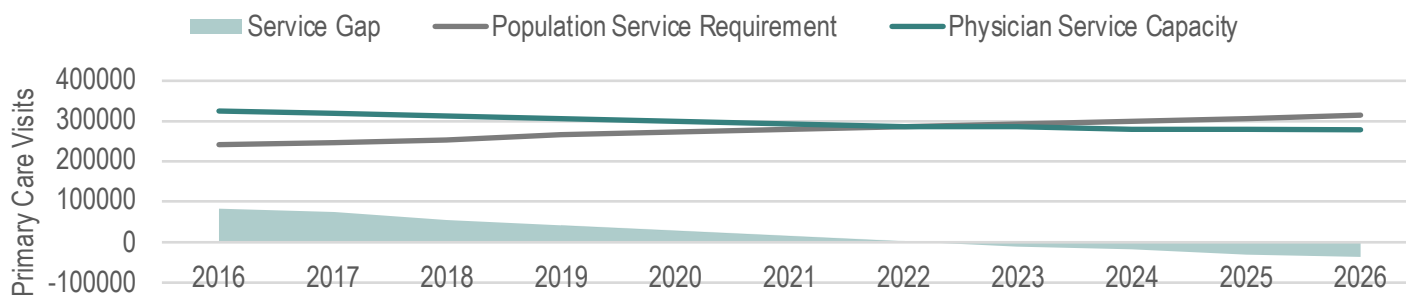
2016	99
2017	82

	2017	2018	2019	2020	2021	2022	2023
Comprehensive Care Physicians' Safe Service Capacity	234,688	237,962	231,191	230,280	231,394	230,023	226,532
Comprehensive Care Physicians' At-Risk Service Capacity	68,946	58,041	57,181	50,793	43,481	39,145	38,096
Non-Comprehensive Care Physicians' Service Capacity	66,521						
Total Service Capacity	370,155	362,524	354,893	347,594	341,396	335,689	331,149



Primary Care Workforce Planning

Neighbourhood Profile: Kensington-Chinatown



Need (2021)
278,407 Visits

Current State Gap (2021)
+13,177 Visits

Capacity (2021)
291,584 Visits

Need (2026)
314,943 Visits

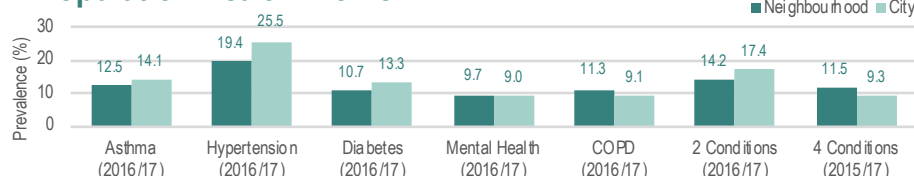
Future State Gap (2026)
-36,262 Visits

Capacity (2026)
278,681 Visits

Population (2016)

Children	Youth	Working Age	Seniors
1,345	3,345	10,560	2,705
7.5 %	18.6 %	58.9 %	15.1 %

Population Health Profile



Population Growth

Year	Population Estimates (Low-High)	Estimated Yearly Growth
2016	17,945	Neigh: 3.92 % - 6.15 % City: 1.60 % - 2.50 %
2021	22,866 - 23,468	
2026	27,787 - 28,990	

Ontario Marginalization Index (2016)

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

Spatial Patterns of Utilization

Yearly Incoming Demand: 249,001 Non-Resident Visits

Yearly Outgoing Demand: 52,139 Resident Visits

Unmet Need for Primary Care

Indicator	Neigh.	City
PEM Attachment (%)	67.6	71.6
ACSC Hospitalization / 100,000	337.4	244.4
Low Urgency ED (%)	103.0	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	100		2016	83	160	314	404	276	0	1,034	161	124	1,488	370	0	12
2017	88		2017	82	182	250	413	291	272	1,191	171	113	1,617	518	8	12
			2018	72	152	498	269	312	193	791	28	131	1,281	426	10	2



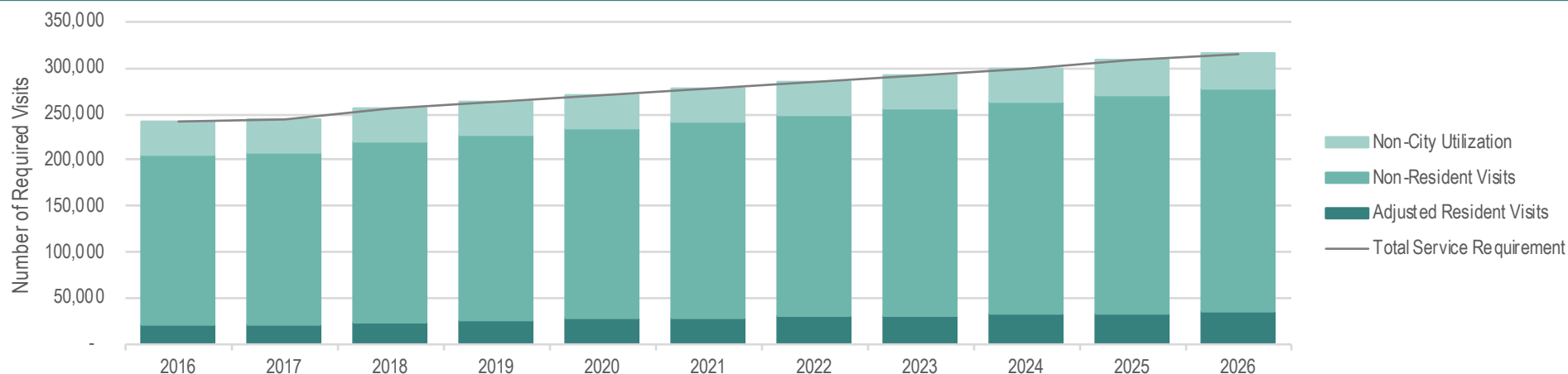
Primary Care Workforce Planning

Service Requirements Module: Kingston-Chinatown

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	17,763	18,849	19,935	21,021	22,107	23,193	24,279	25,365	26,451	27,537	28,623
Resident Visits	62,338	62,779	69,960	73,772	77,583	81,394	85,205	89,017	92,828	96,639	100,450
Proportion of Care Accessed Within Home Neighbourhood	35.7%										
Resident Visits Adjusted for Spatial Patterns of Utilization	22,255	22,412	24,976	26,336	27,697	29,058	30,418	31,779	33,140	34,500	35,861
Non-Resident Visits	183,186	185,299	195,079	201,025	206,972	212,918	218,865	224,811	230,758	236,704	242,651
Non-City Utilization	36,431										
Total Service Requirement	241,871	244,142	256,486	263,793	271,100	278,407	285,714	293,021	300,328	307,636	314,943



Primary Care Workforce Planning

Service Capacity Module: Kensington-Chinatown

Examine the Sources of Service Capacity at a Neighbourhood Level

Total Service Capacity =

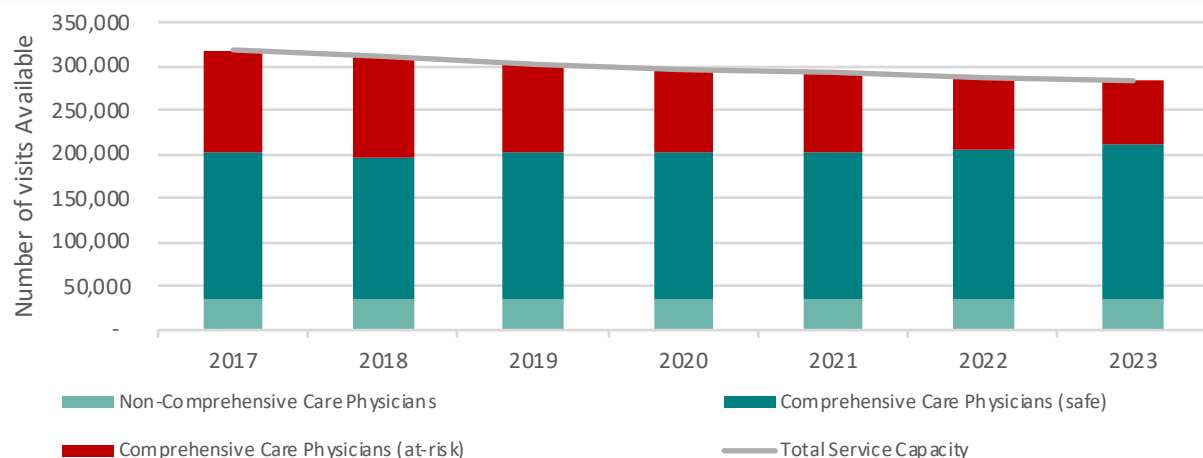
Comprehensive Care Physicians' Safe Service Capacity: Estimated number of services provided by comprehensive care physicians who are not expected to be at risk of exit from the workforce

+

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

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



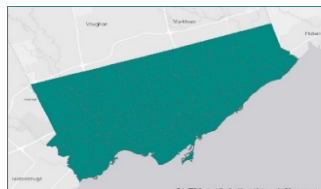
Allied Health Professionals Average Weekly Hours Available

Profession	2016	2017	2018
Chiropractors	83	82	72
Dieticians	160	182	152
Midwives	314	250	498
NPs	404	413	269
OTs	276	291	312
Optometrists	0	272	193
Pharmacists	1,034	1,191	791
PTs	161	171	28
Psychologists	124	113	131
RNs	1,488	1,617	1,281
RPNs	370	518	426
RTs	0	8	10
SLPs	12	12	2

Number of Comprehensive Primary Care Physicians

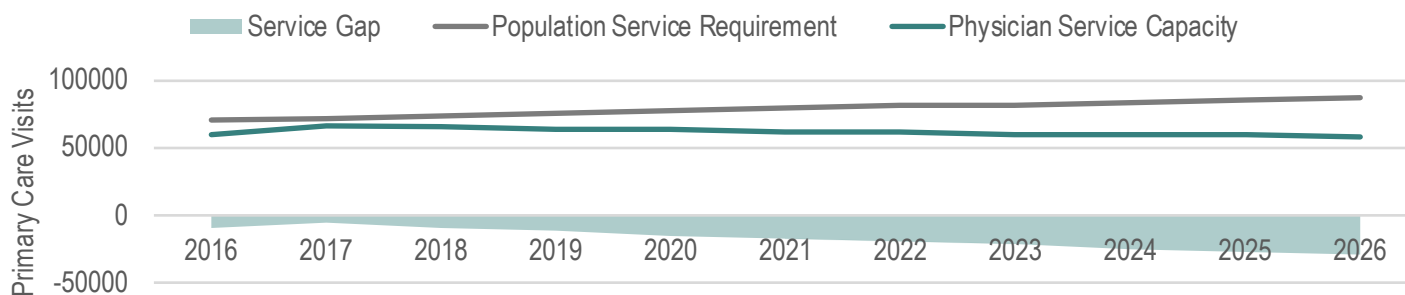
2016	100
2017	88

	2017	2018	2019	2020	2021	2022	2023
Comprehensive Care Physicians' Safe Service Capacity	168,109	160,970	166,703	167,039	167,200	170,046	176,294
Comprehensive Care Physicians' At-Risk Service Capacity	116,517	115,811	102,849	96,393	90,445	82,831	73,320
Non-Comprehensive Care Physicians' Service Capacity	33,939						
Total Service Capacity	318,565	310,720	303,491	297,371	291,584	286,816	283,553



Primary Care Workforce Planning

Neighbourhood Profile: University



Need (2021)
79,150 Visits

Current State Gap (2021)
-16,960 Visits

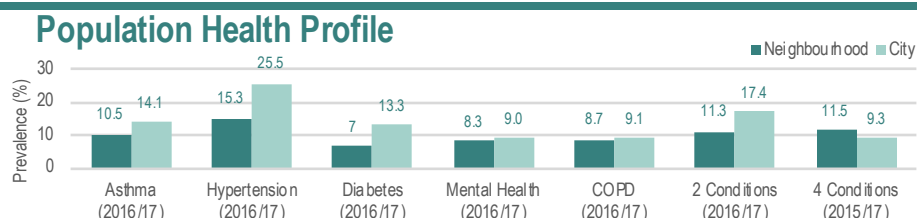
Capacity (2021)
62,190 Visits

Need (2026)
87,437 Visits

Future State Gap (2026)
-29,147 Visits

Capacity (2026)
58,290 Visits

Population (2016)			
Children	Youth	Working Age	Seniors
565	1,485	4,255	1,325
7.4 %	19.5 %	56.0 %	17.4 %



Population Growth

Year	Population Estimates (Low-High)	Estimated Yearly Growth
2016	7,607	Neigh: 0.69 % - 1.06 % City: 1.60 % - 2.50 %
2021	7,972 - 8,011	
2026	8,338 - 8,415	

Ontario Marginalization Index (2016)

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

Spatial Patterns of Utilization

Yearly Incoming Demand: 76,670 Non-Resident Visits

Yearly Outgoing Demand: 31,183 Resident Visits

Unmet Need for Primary Care

Indicator	Neigh.	City
PEM Attachment (%)	61.9	71.6
ACSC Hospitalization / 100,000	170.8	244.4
Low Urgency ED (%)	73.5	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	15			11	54	157	14	0	0	317	131	228	895	1,403	0	14
2017	13			8	24	167	51	0	53	295	117	220	863	1,385	0	28
2018	13			3	29	231	10	0	49	193	24	230	754	1,571	0	22



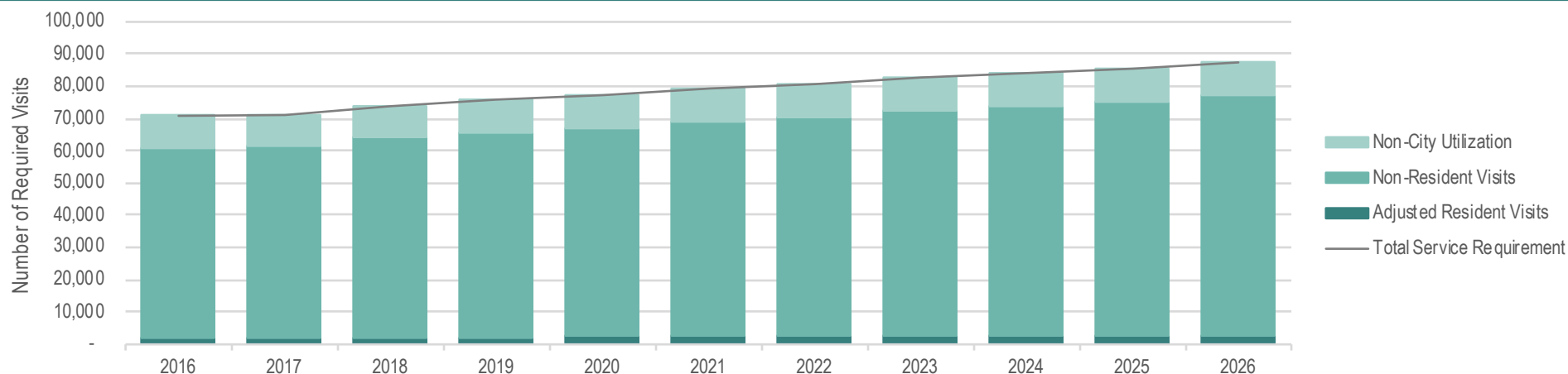
Primary Care Workforce Planning

Service Requirements Module: University

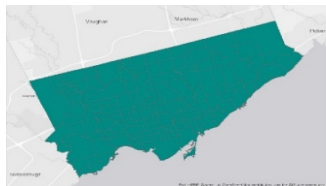
Examine the Sources of Service Requirements at a Neighbourhood Level

Total Service Requirements =

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



	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	2026
Number of Residents	9,075	9,155	9,235	9,314	9,394	9,474	9,554	9,634	9,713	9,793	9,873
Resident Visits	32,166	32,293	32,732	33,015	33,297	33,580	33,863	34,146	34,429	34,712	34,995
Proportion of Care Accessed Within Home Neighbourhood	7.1%										
Resident Visits Adjusted for Spatial Patterns of Utilization	2,284	2,293	2,324	2,344	2,364	2,384	2,404	2,424	2,444	2,465	2,485
Non-Resident Visits	58,368	58,954	61,642	63,279	64,917	66,554	68,191	69,828	71,466	73,103	74,740
Non-City Utilization	10,212										
Total Service Requirement	70,863	71,459	74,178	75,835	77,493	79,150	80,807	82,465	84,122	85,779	87,437



Primary Care Workforce Planning

Service Capacity Module: University

Examine the Sources of Service Capacity at a Neighbourhood Level

Total Service Capacity =

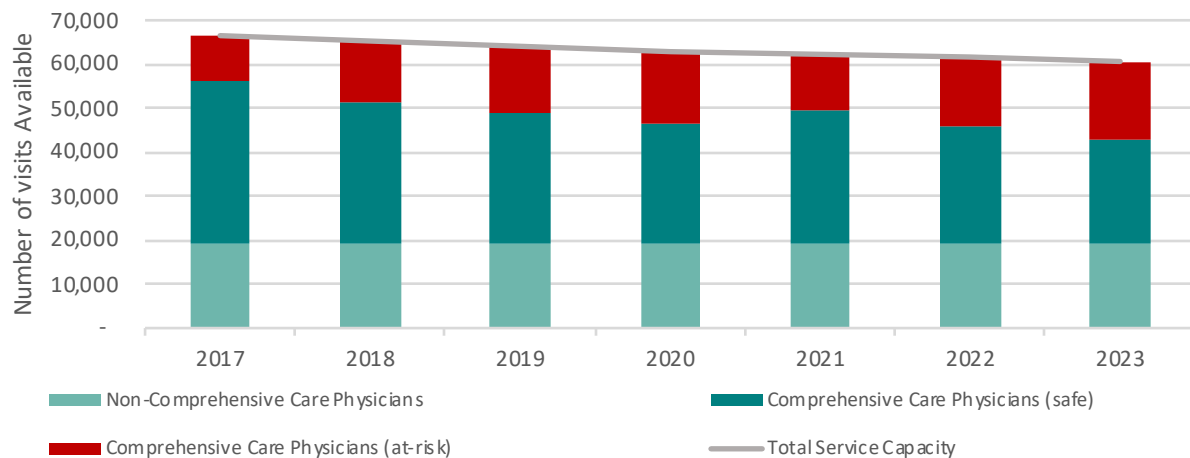
Comprehensive Care Physicians' Safe Service Capacity: Estimated number of services provided by comprehensive care physicians who are not expected to be at risk of exit from the workforce

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



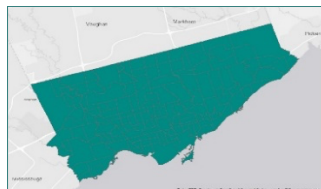
Allied Health Professionals Average Weekly Hours Available

Profession	2016	2017	2018
Chiroprodists	11	8	3
Dieticians	54	24	29
Midwives	157	167	231
NPs	14	51	10
OTs	0	0	0
Optometrists	0	53	49
Pharmacists	317	295	193
PTs	131	117	24
Psychologists	228	220	230
RNs	895	863	754
RPNs	1,403	1,385	1,571
RTs	0	0	0
SLPs	14	28	22

Number of Comprehensive Primary Care Physicians

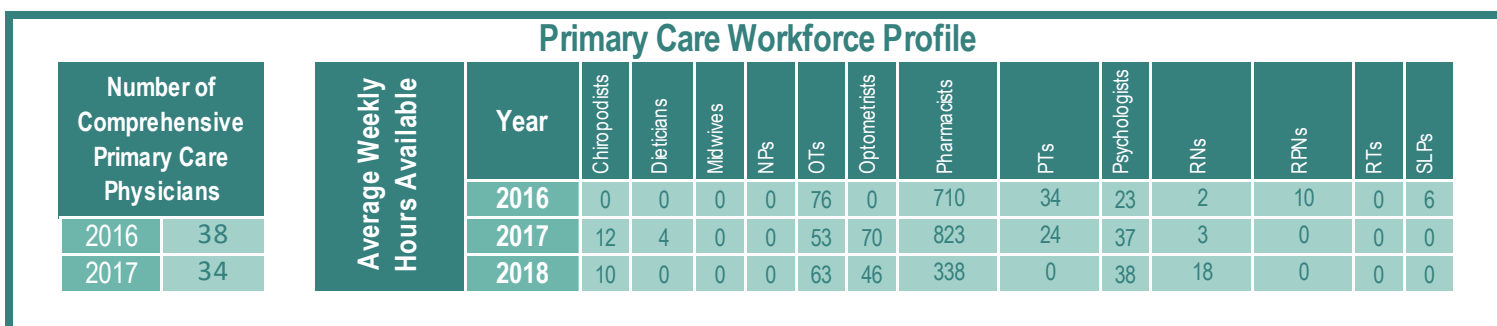
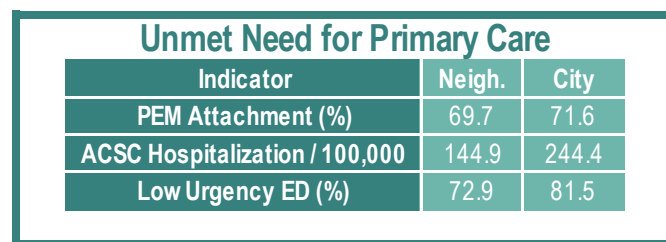
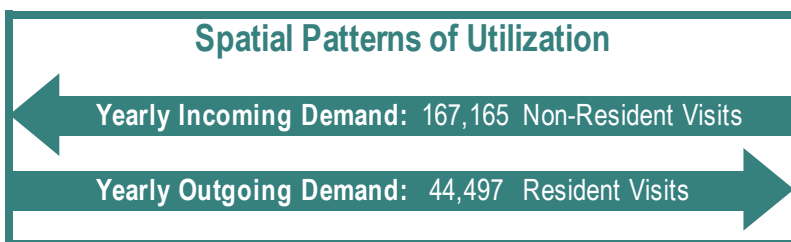
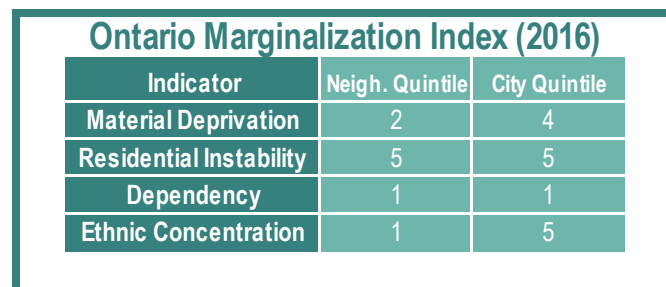
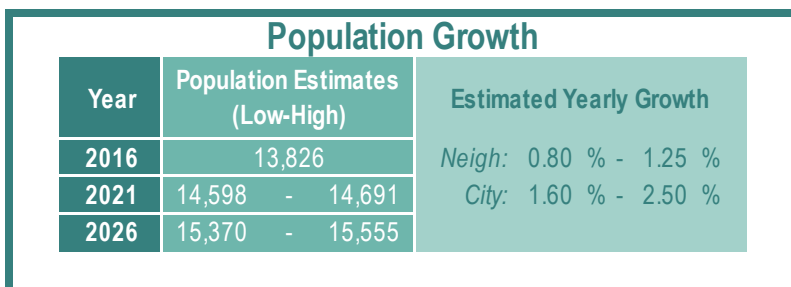
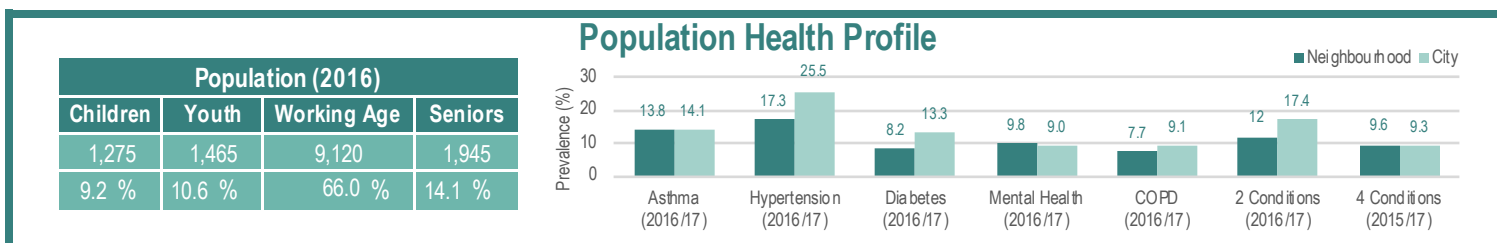
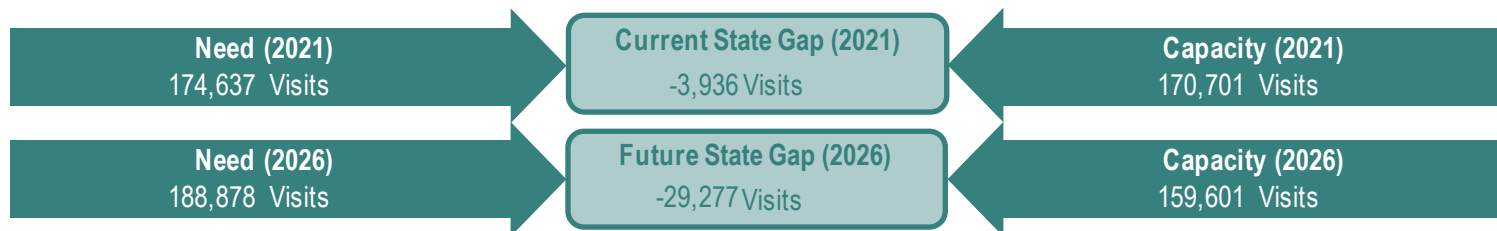
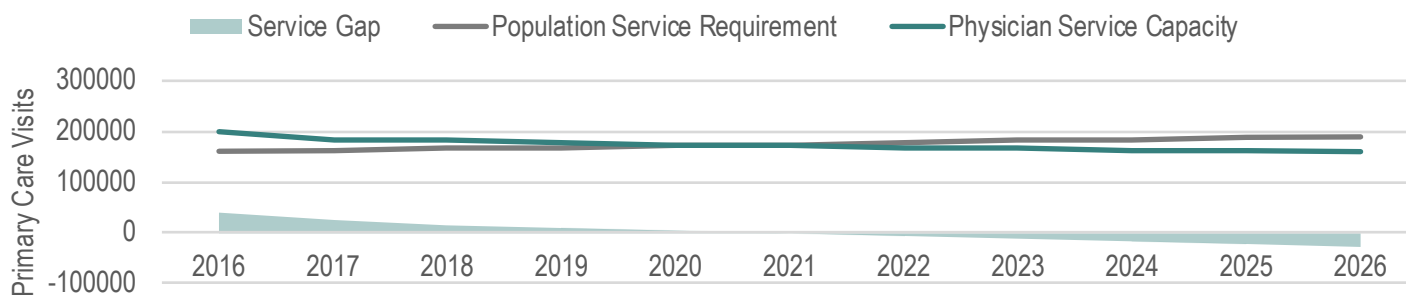
2016	15
2017	13

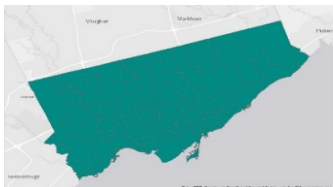
	2017	2018	2019	2020	2021	2022	2023
Comprehensive Care Physicians' Safe Service Capacity	37,348	32,288	30,240	27,590	30,518	26,673	23,637
Comprehensive Care Physicians' At-Risk Service Capacity	10,185	14,058	14,919	16,407	12,699	15,764	18,020
Non-Comprehensive Care Physicians' Service Capacity	18,973						
Total Service Capacity	66,506	65,319	64,132	62,970	62,190	61,410	60,630



Primary Care Workforce Planning

Neighbourhood Profile: Palmerston-Little Italy





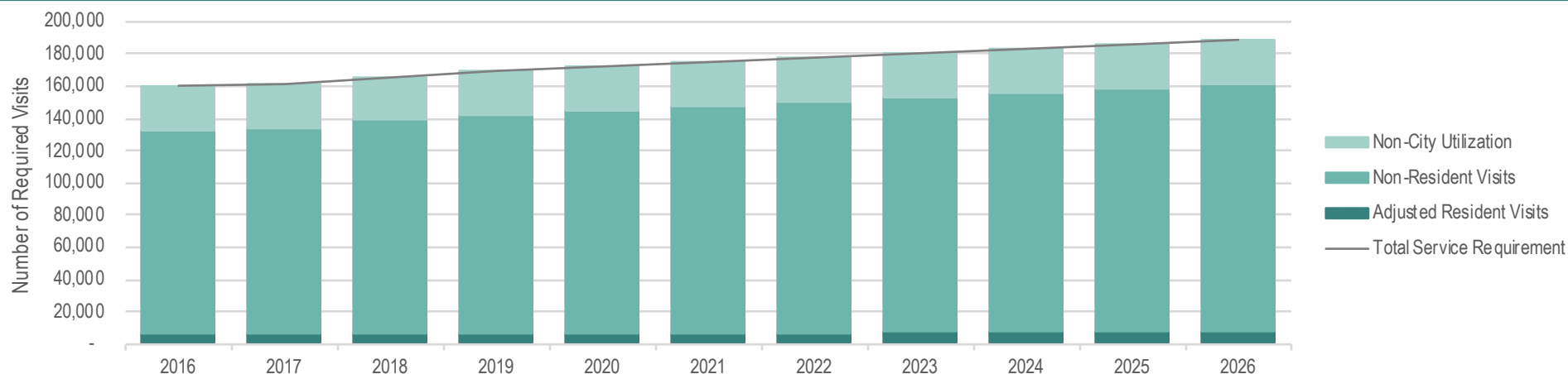
Primary Care Workforce Planning

Service Requirements Module: Palmerston-Little Italy

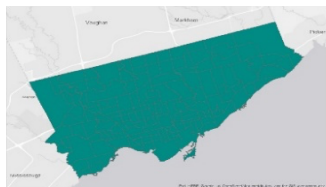
Examine the Sources of Service Requirements at a Neighbourhood Level

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	14,150	14,320	14,490	14,660	14,830	15,000	15,169	15,339	15,509	15,679	15,849
Resident Visits	48,928	48,811	50,102	50,690	51,277	51,865	52,452	53,040	53,627	54,215	54,802
Proportion of Care Accessed Within Home Neighbourhood	14.1%										
Resident Visits Adjusted for Spatial Patterns of Utilization	6,899	6,882	7,064	7,147	7,230	7,313	7,396	7,479	7,561	7,644	7,727
Non-Resident Visits	126,412	127,423	131,942	134,708	137,473	140,238	143,003	145,769	148,534	151,299	154,064
Non-City Utilization	27,086										
Total Service Requirement	160,397	161,391	166,093	168,941	171,789	174,637	177,485	180,333	183,181	186,029	188,878



Primary Care Workforce Planning

Service Capacity Module: Palmerston-Little Italy

Examine the Sources of Service Capacity at a Neighbourhood Level

Total Service Capacity =

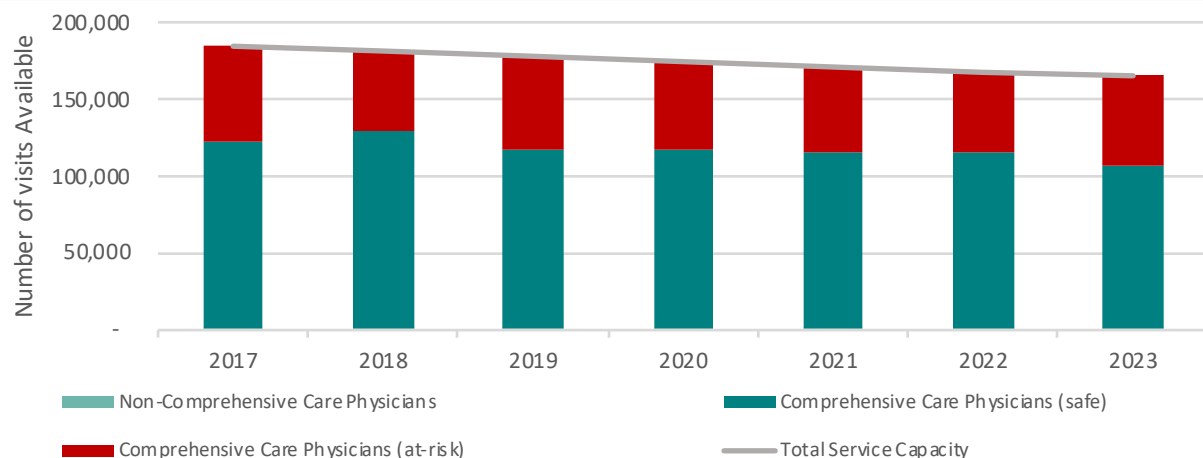
Comprehensive Care Physicians' Safe Service Capacity: Estimated number of services provided by comprehensive care physicians who are not expected to be at risk of exit from the workforce

+

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



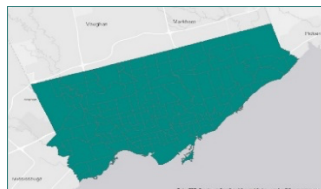
Allied Health Professionals Average Weekly Hours Available

Profession	2016	2017	2018
Chiroprodists	0	12	10
Dieticians	0	4	0
Midwives	0	0	0
NPs	0	0	0
OTs	76	53	63
Optometrists	0	70	46
Pharmacists	710	823	338
PTs	34	24	0
Psychologists	23	37	38
RNs	2	3	18
RPNs	10	0	0
RTs	0	0	0
SLPs	6	0	0

Number of Comprehensive Primary Care Physicians

2016	38
2017	34

	2017	2018	2019	2020	2021	2022	2023
Comprehensive Care Physicians' Safe Service Capacity	120,462	128,579	115,413	116,688	113,493	113,481	105,262
Comprehensive Care Physicians' At-Risk Service Capacity	62,820	51,248	60,959	56,229	56,043	53,180	58,791
Non-Comprehensive Care Physicians' Service Capacity	1,165						
Total Service Capacity	184,447	180,992	177,537	174,082	170,701	167,826	165,218



Primary Care Workforce Planning

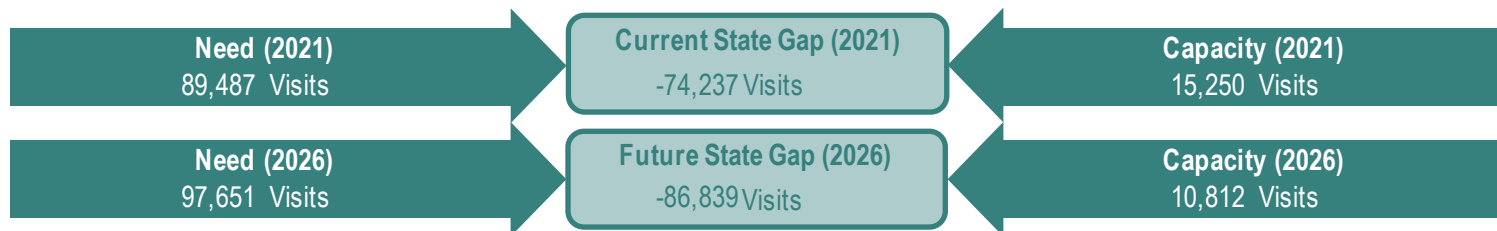
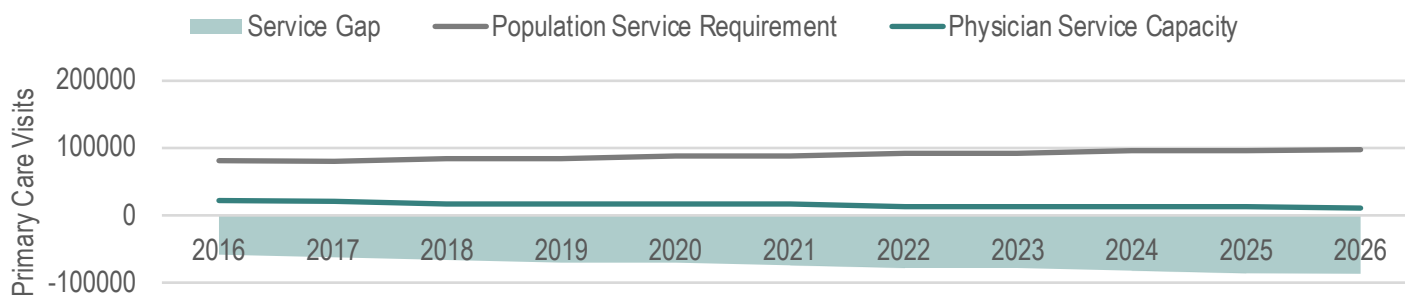
Neighbourhood Profile: Trinity-Bellwoods



Ontario Health
Toronto

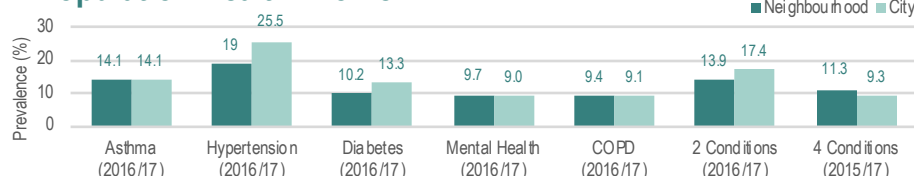


uOttawa



Population (2016)			
Children	Youth	Working Age	Seniors
1,760	1,665	10,800	2,360
10.6 %	10.0 %	65.2 %	14.2 %

Population Health Profile



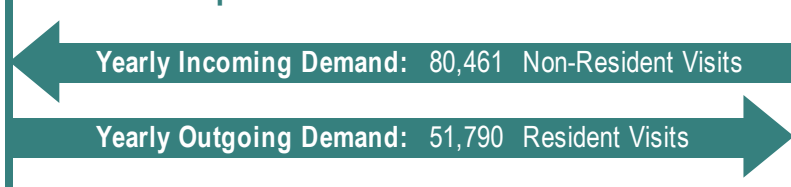
Population Growth

Year	Population Estimates (Low-High)	Estimated Yearly Growth
2016	16,556	Neigh: 0.29 % - 0.45 % City: 1.60 % - 2.50 %
2021	16,889 - 16,931	
2026	17,222 - 17,305	

Ontario Marginalization Index (2016)

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

Spatial Patterns of Utilization



Unmet Need for Primary Care

Indicator	Neigh.	City
PEM Attachment (%)	71.2	71.6
ACSC Hospitalization / 100,000	231.0	244.4
Low Urgency ED (%)	84.1	81.5

Primary Care Workforce Profile

Number of Comprehensive Primary Care Physicians		Average Weekly Hours Available	Year	Chiropractors	Dietitians	Midwives	NPs	OTs	Optometrists	Pharmacists	PTs	Psychologists	RNs	RPNs	RTs	SLPs
2016	(1-5)			10	12	0	0	52	0	303	18	0	192	95	0	12
2017	(1-5)			0	19	0	0	29	136	247	24	0	229	128	0	12
2018	(1-5)			11	10	0	0	36	138	97	7	0	162	188	0	14



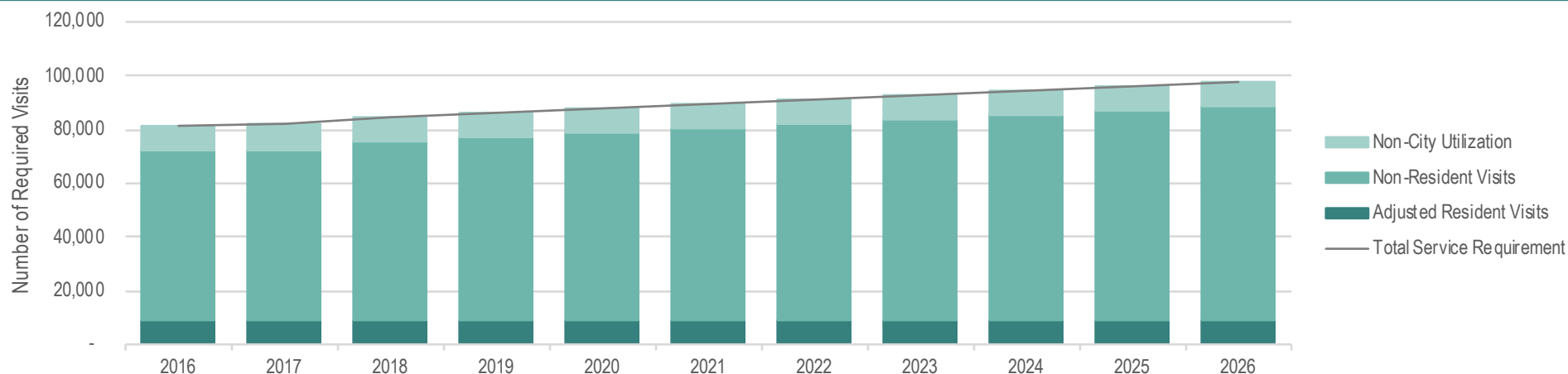
Primary Care Workforce Planning

Service Requirements Module: Trinity-Bellwoods

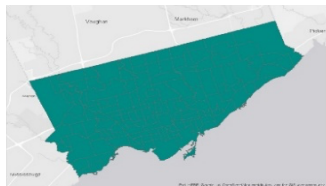
Examine the Sources of Service Requirements at a Neighbourhood Level

Total Service Requirements =

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



	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	2026
Number of Residents	16,990	17,064	17,138	17,212	17,286	17,360	17,433	17,507	17,581	17,655	17,729
Resident Visits	59,481	59,084	59,999	60,258	60,516	60,775	61,034	61,292	61,551	61,810	62,069
Proportion of Care Accessed Within Home Neighbourhood	14.7%										
Resident Visits Adjusted for Spatial Patterns of Utilization	8,744	8,685	8,820	8,858	8,896	8,934	8,972	9,010	9,048	9,086	9,124
Non-Resident Visits	63,288	63,877	66,477	68,072	69,667	71,262	72,856	74,451	76,046	77,641	79,236
Non-City Utilization	9,291										
Total Service Requirement	81,322	81,854	84,588	86,221	87,854	89,487	91,119	92,752	94,385	96,018	97,651



Primary Care Workforce Planning

Service Capacity Module: Trinity-Bellwoods

Examine the Sources of Service Capacity at a Neighbourhood Level

Total Service Capacity =

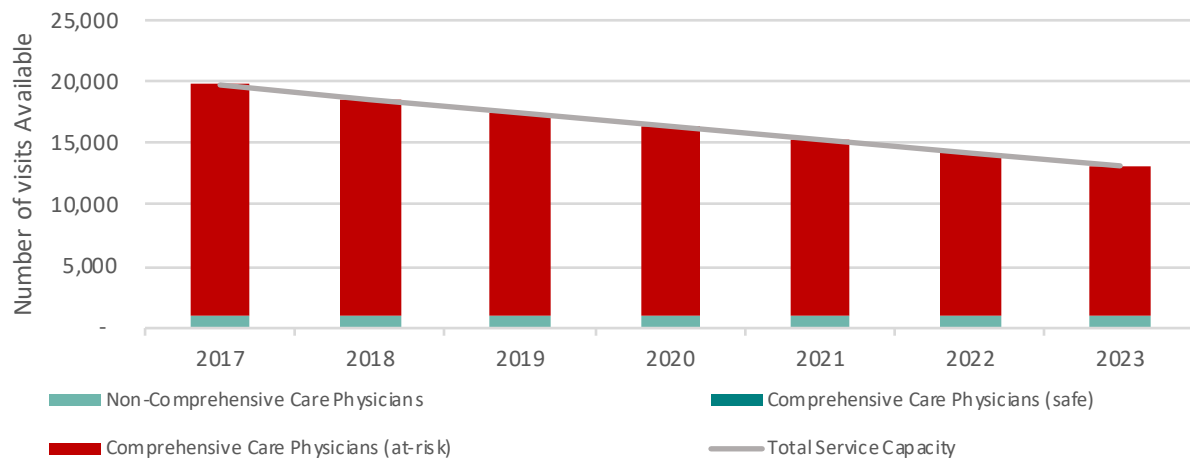
Comprehensive Care Physicians' Safe Service Capacity: Estimated number of services provided by comprehensive care physicians who are not expected to be at risk of exit from the workforce

+

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



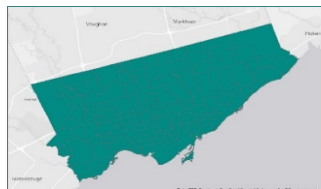
Allied Health Professionals Average Weekly Hours Available

Profession	2016	2017	2018
Chiroprodists	10	0	11
Dieticians	12	19	10
Midwives	0	0	0
NPs	0	0	0
OTs	52	29	36
Optometrists	0	136	138
Pharmacists	303	247	97
PTs	18	24	7
Psychologists	0	0	0
RNs	192	229	162
RPNs	95	128	188
RTs	0	0	0
SLPs	12	12	14

Number of Comprehensive Primary Care Physicians

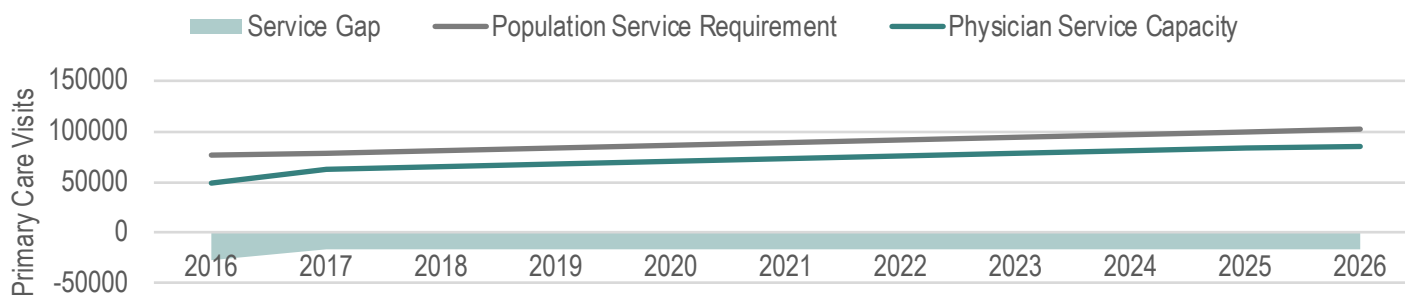
2016	(1-5)
2017	(1-5)

	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	18,673	17,549	16,425	15,301	14,177	13,053	12,103
Non-Comprehensive Care Physicians' Service Capacity	1,073						
Total Service Capacity	19,746	18,622	17,498	16,374	15,250	14,126	13,176



Primary Care Workforce Planning

Neighbourhood Profile: Niagara



Need (2021)
89,249 Visits

Current State Gap (2021)
-17,389 Visits

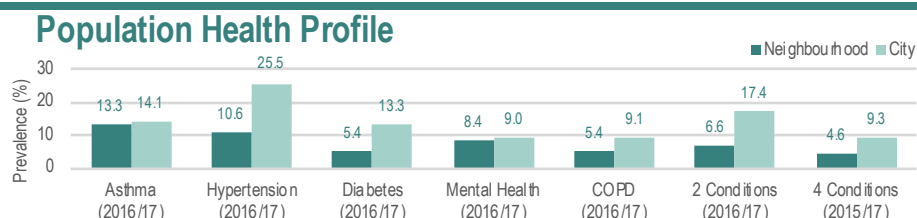
Capacity (2021)
71,860 Visits

Need (2026)
102,124 Visits

Future State Gap (2026)
-17,194 Visits

Capacity (2026)
84,930 Visits

Population (2016)			
Children	Youth	Working Age	Seniors
2,050	2,410	25,210	1,510
6.6 %	7.7 %	80.8 %	4.8 %



Population Growth

Year	Population Estimates (Low-High)	Estimated Yearly Growth
2016	31,180	Neigh: 2.20 % - 3.47 % City: 1.60 % - 2.50 %
2021	35,991 - 36,583	
2026	40,803 - 41,985	

Ontario Marginalization Index (2016)

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

Spatial Patterns of Utilization

Yearly Incoming Demand: 72,107 Non-Resident Visits

Yearly Outgoing Demand: 84,331 Resident Visits

Unmet Need for Primary Care

Indicator	Neigh.	City
PEM Attachment (%)	70.3	71.6
ACSC Hospitalization / 100,000	113.1	244.4
Low Urgency ED (%)	75.4	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			23	71	0	111	40	0	613	125	82	522	202	0	20
2017	13			44	66	0	175	37	96	717	133	93	482	174	0	22
2018	13			24	24	0	234	98	125	231	119	73	595	192	0	16



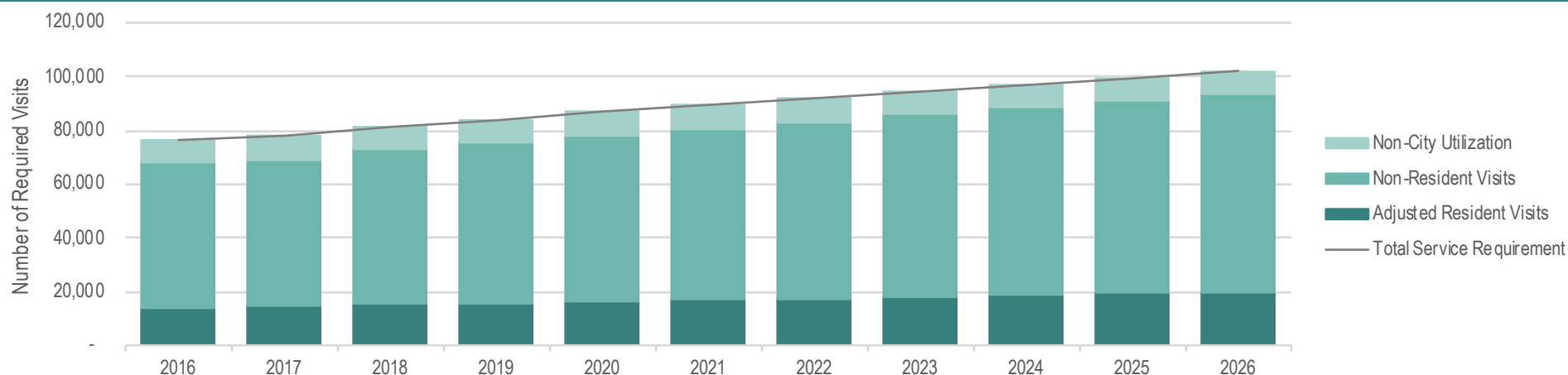
Primary Care Workforce Planning

Service Requirements Module: Niagara

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	26,620	27,682	28,744	29,806	30,868	31,930	32,992	34,054	35,116	36,178	37,240
Resident Visits	84,462	88,379	91,201	94,571	97,940	101,310	104,679	108,049	111,419	114,788	118,158
Proportion of Care Accessed Within Home Neighbourhood	16.8%										
Resident Visits Adjusted for Spatial Patterns of Utilization	14,190	14,848	15,322	15,888	16,454	17,020	17,586	18,152	18,718	19,284	19,851
Non-Resident Visits	53,618	54,283	57,635	59,644	61,653	63,662	65,671	67,680	69,688	71,697	73,706
Non-City Utilization	8,567										
Total Service Requirement	76,374	77,698	81,524	84,099	86,674	89,249	91,824	94,399	96,974	99,549	102,124



Primary Care Workforce Planning

Service Capacity Module: Niagara

Examine the Sources of Service Capacity at a Neighbourhood Level

Total Service Capacity =

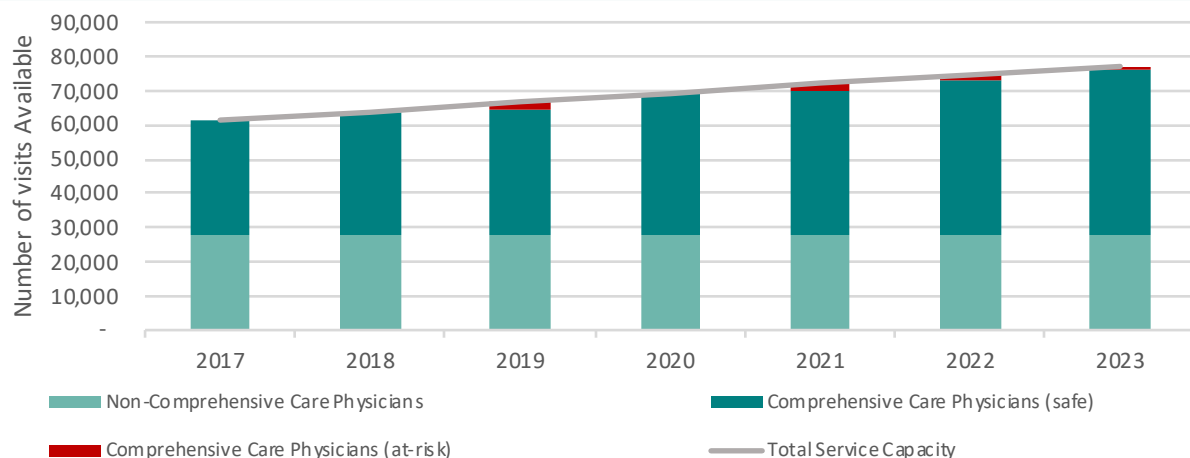
Comprehensive Care Physicians' Safe Service Capacity: Estimated number of services provided by comprehensive care physicians who are not expected to be at risk of exit from the workforce

+

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



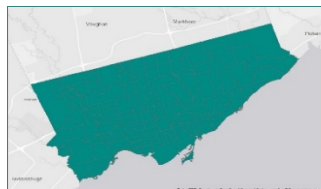
Allied Health Professionals Average Weekly Hours Available

Profession	2016	2017	2018
Chiropractors	23	44	24
Dieticians	71	66	24
Midwives	0	0	0
NPs	111	175	234
OTs	40	37	98
Optometrists	0	96	125
Pharmacists	613	717	231
PTs	125	133	119
Psychologists	82	93	73
RNs	522	482	595
RPNs	202	174	192
RTs	0	0	0
SLPs	20	22	16

Number of Comprehensive Primary Care Physicians

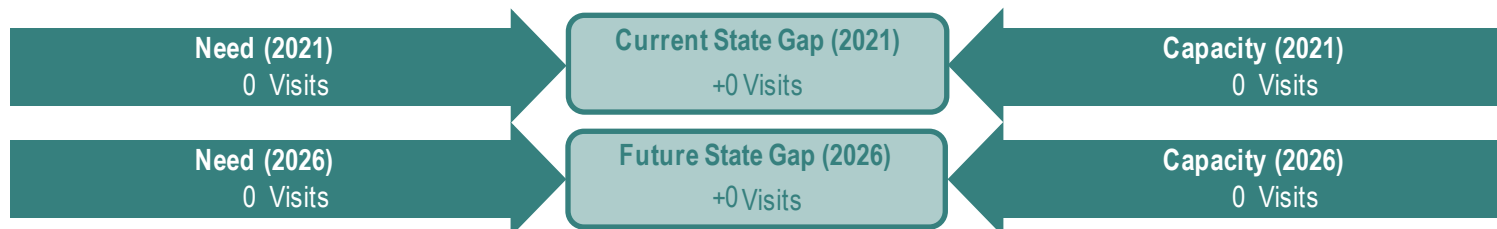
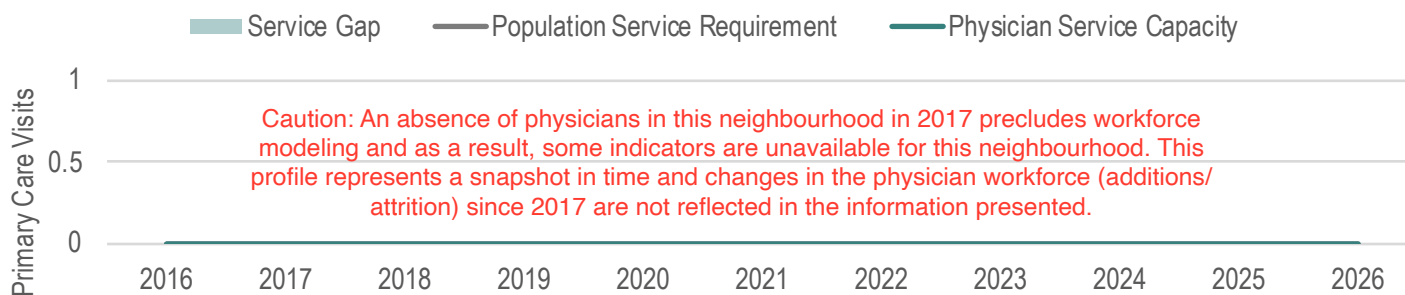
2016	19
2017	13

	2017	2018	2019	2020	2021	2022	2023
Comprehensive Care Physicians' Safe Service Capacity	33,877	36,491	36,869	41,719	42,565	45,413	48,261
Comprehensive Care Physicians' At-Risk Service Capacity	0	0	2,236	0	1,768	1,534	1,300
Non-Comprehensive Care Physicians' Service Capacity	27,527						
Total Service Capacity	61,404	64,018	66,632	69,246	71,860	74,474	77,088



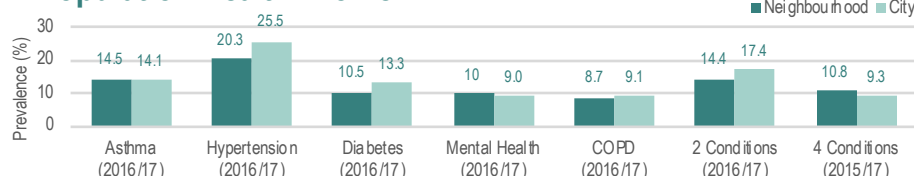
Primary Care Workforce Planning

Neighbourhood Profile: Dufferin Grove



Population (2016)			
Children	Youth	Working Age	Seniors
1,285	1,070	7,925	1,495
10.9 %	9.1 %	67.2 %	12.7 %

Population Health Profile



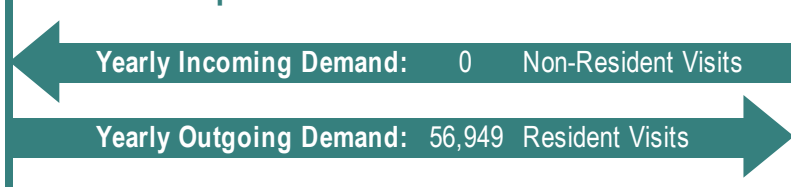
Population Growth

Year	Population Estimates (Low-High)	Estimated Yearly Growth
2016	11,785	Neigh: 4.17 % - 6.55 % City: 1.60 % - 2.50 %
2021	15,222 - 15,643	
2026	18,659 - 19,500	

Ontario Marginalization Index (2016)

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

Spatial Patterns of Utilization



Unmet Need for Primary Care

Indicator	Neigh.	City
PEM Attachment (%)	69.0	71.6
ACSC Hospitalization / 100,000	211.9	244.4
Low Urgency ED (%)	89.3	81.5

Primary Care Workforce Profile

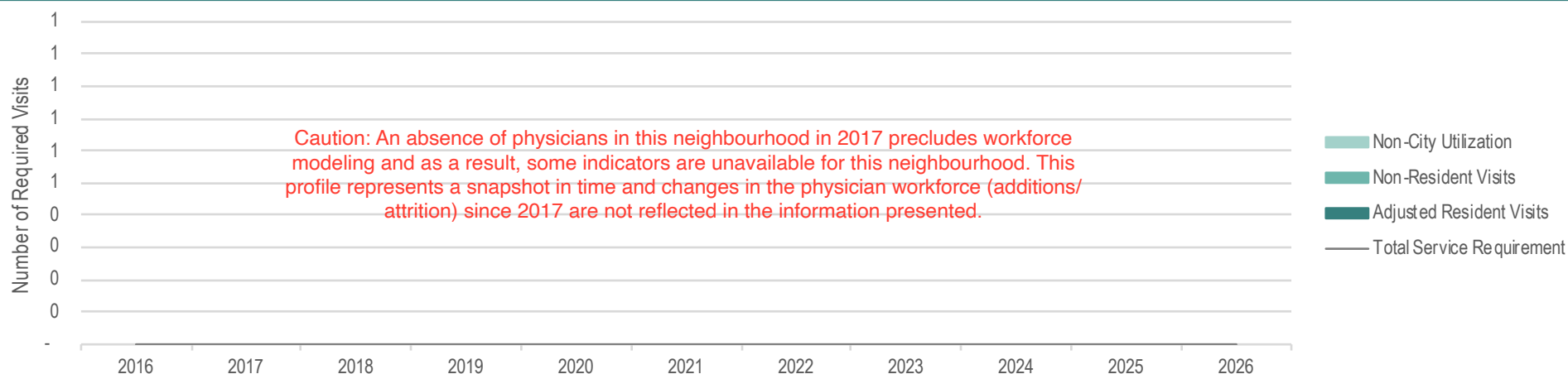
Number of Comprehensive Primary Care Physicians		Average Weekly Hours Available	Year	Chiroprodists	Dieticians	Midwives	NPs	OTs	Optometristis	Pharmacists	PTs	Psychologists	RNs	RPNs	RTs	SLPs	
			2016	14	14	297	2	0	0	175	10	0	0	238	0	0	
2016			0	2017	12	20	405	18	0	40	103	38	0	0	209	0	0
2017			0	2018	2	0	280	15	0	43	0	6	0	5	228	0	0

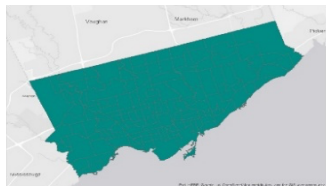


Examine the Sources of Service Requirements at a Neighbourhood Level

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: Dufferin Grove

Examine the Sources of Service Capacity at a Neighbourhood Level

Total Service Capacity =

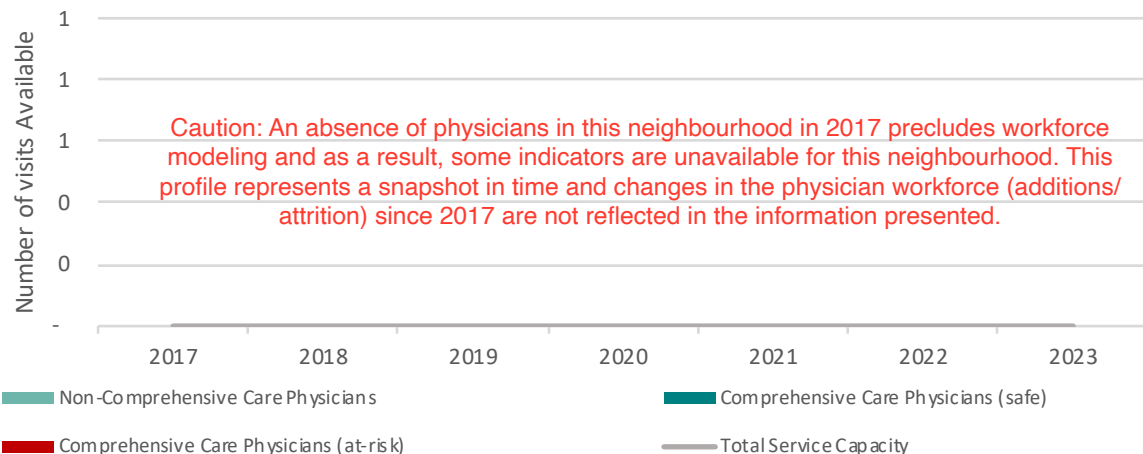
Comprehensive Care Physicians' Safe Service Capacity: Estimated number of services provided by comprehensive care physicians who are not expected to be at risk of exit from the workforce

+

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

+

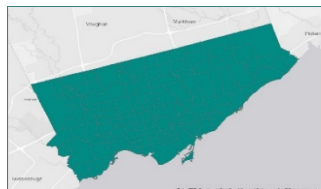
Service Capacity Generated by Non-Comprehensive Care Physicians: Estimated number of services provided by non-comprehensive care physicians



Allied Health Professionals Average Weekly Hours Available			
Profession	2016	2017	2018
Chiropractors	14	12	2
Dieticians	14	20	0
Midwives	297	405	280
NPs	2	18	15
OTs	0	0	0
Optometrists	0	40	43
Pharmacists	175	103	0
PTs	10	38	6
Psychologists	0	0	0
RNs	0	0	5
RPNs	238	209	228
RTs	0	0	0
SLPs	0	0	0

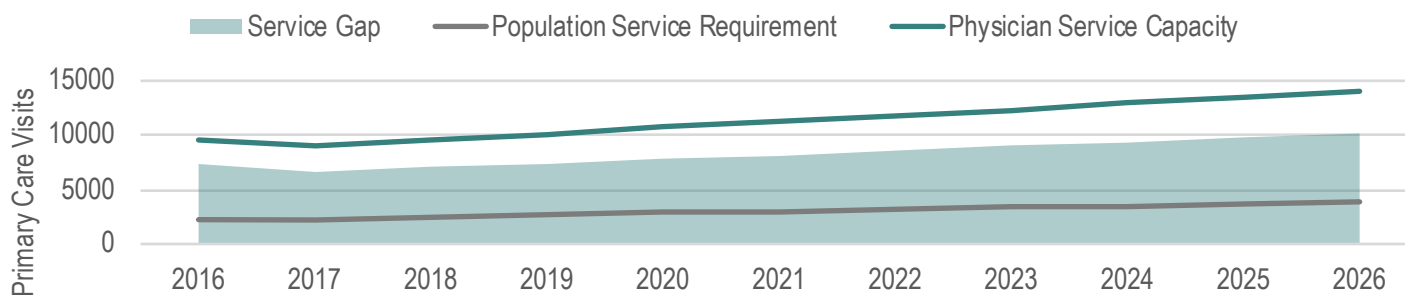
Number of Comprehensive Primary Care Physicians	
2016	0
2017	0

	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: Little Portugal



Need (2021)
3,057 Visits

Current State Gap (2021)
+8,194 Visits

Capacity (2021)
11,251 Visits

Need (2026)
3,876 Visits

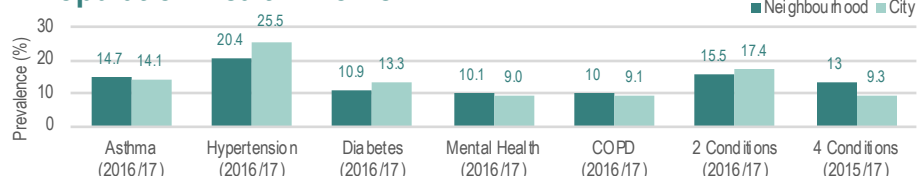
Future State Gap (2026)
+10,160 Visits

Capacity (2026)
14,036 Visits

Population (2016)

Children	Youth	Working Age	Seniors
1,420	1,590	10,715	1,835
9.1 %	10.2 %	68.9 %	11.8 %

Population Health Profile



Population Growth

Year	Population Estimates (Low-High)	Estimated Yearly Growth
2016	15,559	Neigh: 0.66 % - 1.04 %
2021	16,280 - 16,365	City: 1.60 % - 2.50 %
2026	17,002 - 17,170	

Ontario Marginalization Index (2016)

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

Spatial Patterns of Utilization

Yearly Incoming Demand: 2,936 Non-Resident Visits

Yearly Outgoing Demand: 55,688 Resident Visits

Unmet Need for Primary Care

Indicator	Neigh.	City
PEM Attachment (%)	70.0	71.6
ACSC Hospitalization / 100,000	321.5	244.4
Low Urgency ED (%)	86.7	81.5

Primary Care Workforce Profile

Number of Comprehensive Primary Care Physicians		Average Weekly Hours Available	Year	Chiropractors	Dietitians	Midwives	NPs	OTs	Optometrists	Pharmacists	PTs	Psychologists	RNs	RPNs	RTs	SLPs
2016	(1-5)															
2016	(1-5)															
2017	(1-5)															
2016	(1-5)		2016	0	72	0	0	17	0	155	22	0	503	232	0	0
2016	(1-5)		2017	0	0	0	0	24	56	108	19	0	335	248	0	10
2017	(1-5)		2018	8	19	0	0	20	54	72	31	0	339	357	0	14



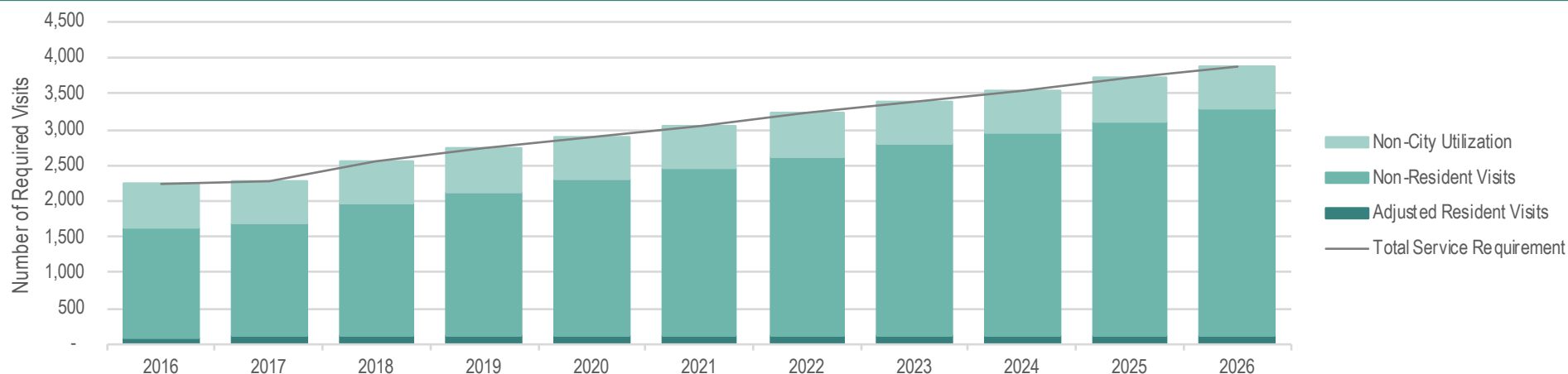
Primary Care Workforce Planning

Service Requirements Module: Little Portugal

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	14,831	14,990	15,148	15,307	15,465	15,624	15,783	15,941	16,100	16,258	16,417
Resident Visits	52,991	53,286	54,125	54,691	55,258	55,825	56,391	56,958	57,525	58,092	58,658
Proportion of Care Accessed Within Home Neighbourhood	0.2%										
Resident Visits Adjusted for Spatial Patterns of Utilization	106	107	108	109	111	112	113	114	115	116	117
Non-Resident Visits	1,535	1,585	1,860	2,023	2,185	2,348	2,510	2,673	2,836	2,998	3,161
Non-City Utilization	598										
Total Service Requirement	2,239	2,290	2,566	2,730	2,894	3,057	3,221	3,385	3,549	3,712	3,876



Primary Care Workforce Planning

Service Capacity Module: Little Portugal

Examine the Sources of Service Capacity at a Neighbourhood Level

Total Service Capacity =

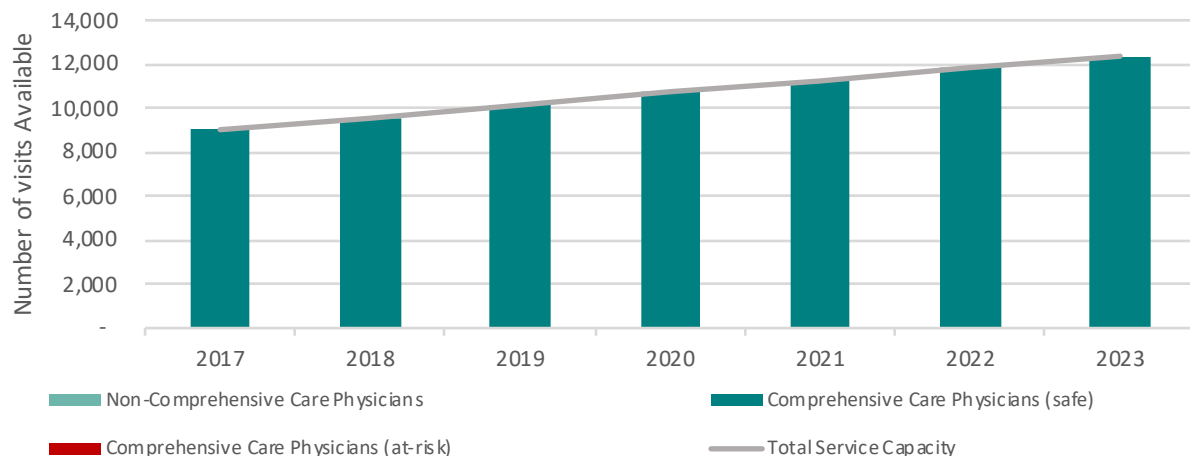
Comprehensive Care Physicians' Safe Service Capacity: Estimated number of services provided by comprehensive care physicians who are not expected to be at risk of exit from the workforce

+

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



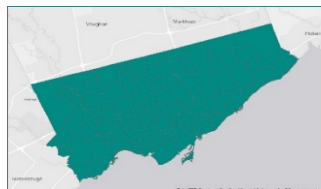
Allied Health Professionals Average Weekly Hours Available

Profession	2016	2017	2018
Chiroprodists	0	0	8
Dieticians	72	0	19
Midwives	0	0	0
NPs	0	0	0
OTs	17	24	20
Optometrists	0	56	54
Pharmacists	155	108	72
PTs	22	19	31
Psychologists	0	0	0
RNs	503	335	339
RPNs	232	248	357
RTs	0	0	0
SLPs	0	10	14

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	9,023	9,580	10,137	10,694	11,251	11,808	12,365
Comprehensive Care Physicians' At-Risk Service Capacity	0	0	0	0	0	0	0
Non-Comprehensive Care Physicians' Service Capacity	0						
Total Service Capacity	9,023	9,580	10,137	10,694	11,251	11,808	12,365



Primary Care Workforce Planning

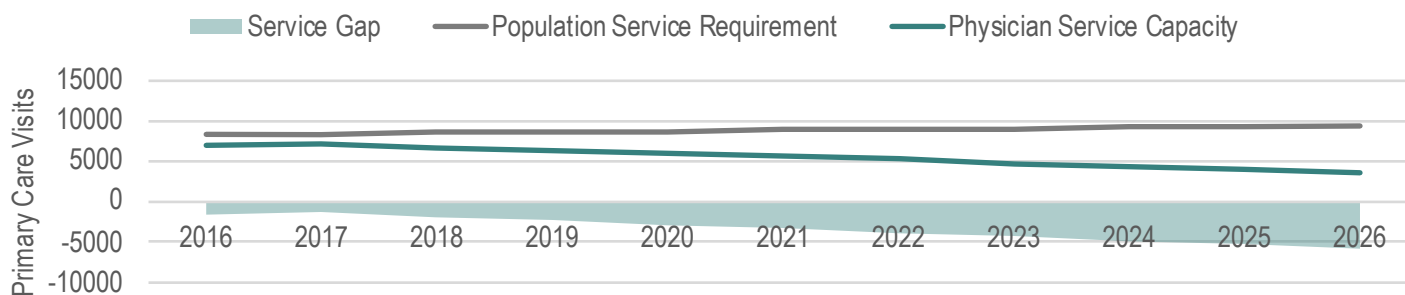
Neighbourhood Profile: Weston-Pelham Park



Ontario Health
Toronto



uOttawa



Need (2021)
8,888 Visits

Current State Gap (2021)
-3,294 Visits

Capacity (2021)
5,594 Visits

Need (2026)
9,406 Visits

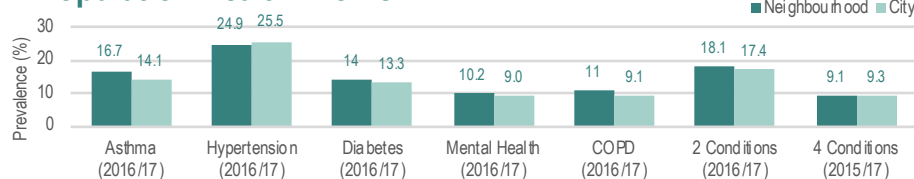
Future State Gap (2026)
-5,797 Visits

Capacity (2026)
3,609 Visits

Population (2016)

Children	Youth	Working Age	Seniors
1,675	1,405	6,695	1,330
15.1 %	12.7 %	60.3 %	12.0 %

Population Health Profile



Population Growth

Year	Population Estimates (Low-High)	Estimated Yearly Growth
2016	11,098	Neigh: 0.99 % - 1.55 % City: 1.60 % - 2.50 %
2021	11,864 - 11,957	
2026	12,631 - 12,815	

Ontario Marginalization Index (2016)

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

Spatial Patterns of Utilization

← **Yearly Incoming Demand:** 5,375 Non-Resident Visits

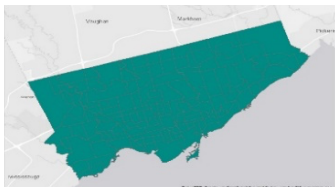
Yearly Outgoing Demand: 44,554 Resident Visits →

Unmet Need for Primary Care

Indicator	Neigh.	City
PEM Attachment (%)	68.2	71.6
ACSC Hospitalization / 100,000	301.8	244.4
Low Urgency ED (%)	116.2	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	(1-5)															
2016	(1-5)															
2017	(1-5)															
2016	(1-5)		2016	0	12	0	57	0	0	86	0	0	40	0	0	0
2017	(1-5)		2017	0	7	0	31	0	0	131	0	0	15	19	0	0
2017	(1-5)		2018	0	2	0	61	0	0	93	4	0	9	17	0	0



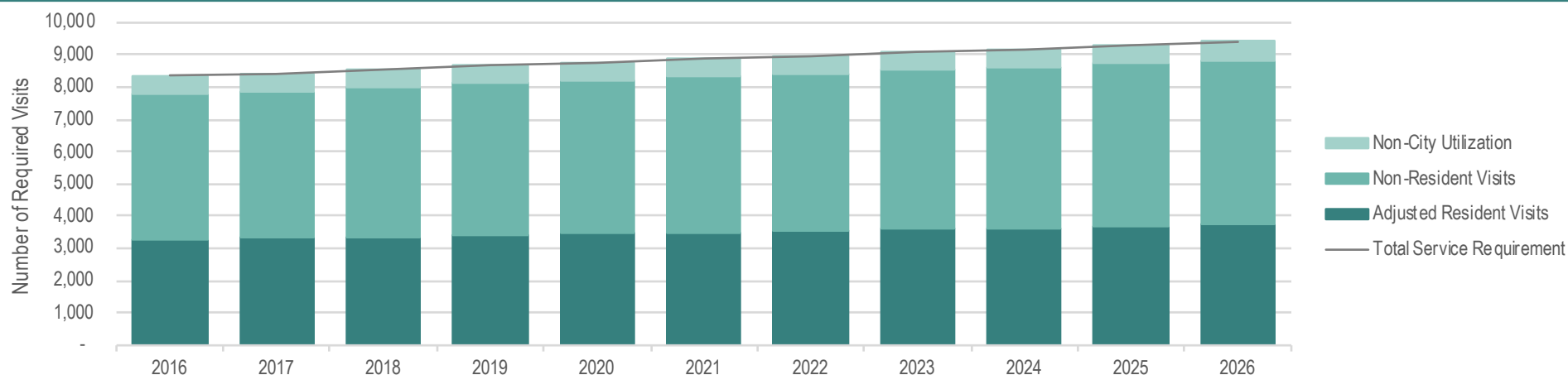
Primary Care Workforce Planning

Service Requirements Module: Weston-Pelham Park

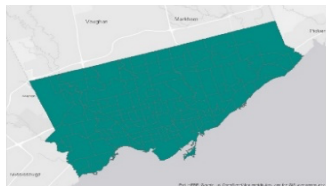
Examine the Sources of Service Requirements at a Neighbourhood Level

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	12,327	12,496	12,664	12,833	13,002	13,171	13,339	13,508	13,677	13,845	14,014
Resident Visits	44,998	45,454	46,229	46,845	47,461	48,077	48,693	49,309	49,924	50,540	51,156
Proportion of Care Accessed Within Home Neighbourhood	7.3%										
Resident Visits Adjusted for Spatial Patterns of Utilization	3,285	3,318	3,375	3,420	3,465	3,510	3,555	3,600	3,644	3,689	3,734
Non-Resident Visits	4,520	4,546	4,638	4,697	4,755	4,814	4,873	4,932	4,991	5,049	5,108
Non-City Utilization	564										
Total Service Requirement	8,369	8,428	8,577	8,680	8,784	8,888	8,992	9,095	9,199	9,303	9,406



Primary Care Workforce Planning

Service Capacity Module: Weston-Pelham Park

Examine the Sources of Service Capacity at a Neighbourhood Level

Total Service Capacity =

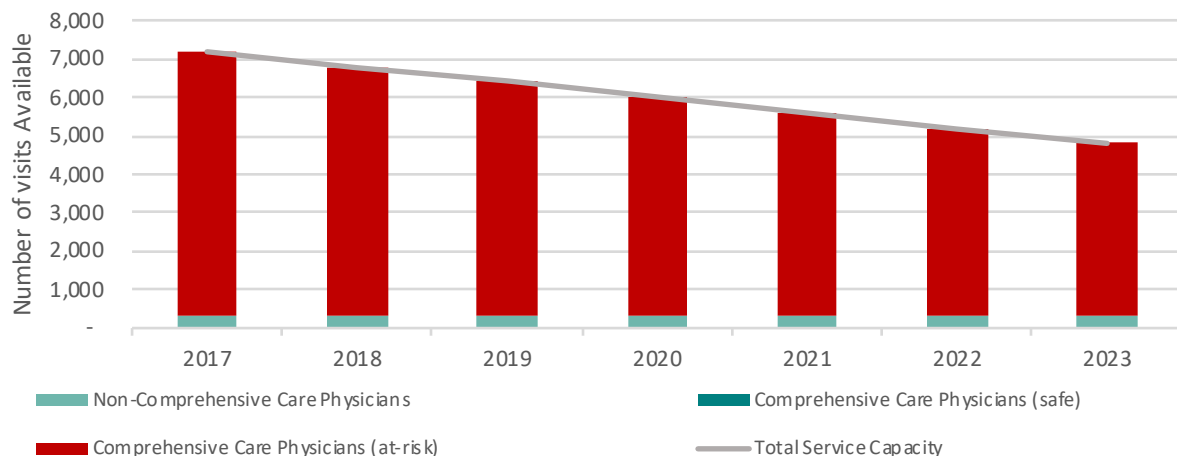
Comprehensive Care Physicians' Safe Service Capacity: Estimated number of services provided by comprehensive care physicians who are not expected to be at risk of exit from the workforce

+

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
Chiropractors	0	0	0
Dieticians	12	7	2
Midwives	0	0	0
NPs	57	31	61
OTs	0	0	0
Optometrists	0	0	0
Pharmacists	86	131	93
PTs	0	0	4
Psychologists	0	0	0
RNs	40	15	9
RPNs	0	19	17
RTs	0	0	0
SLPs	0	0	0

Number of Comprehensive Primary Care Physicians

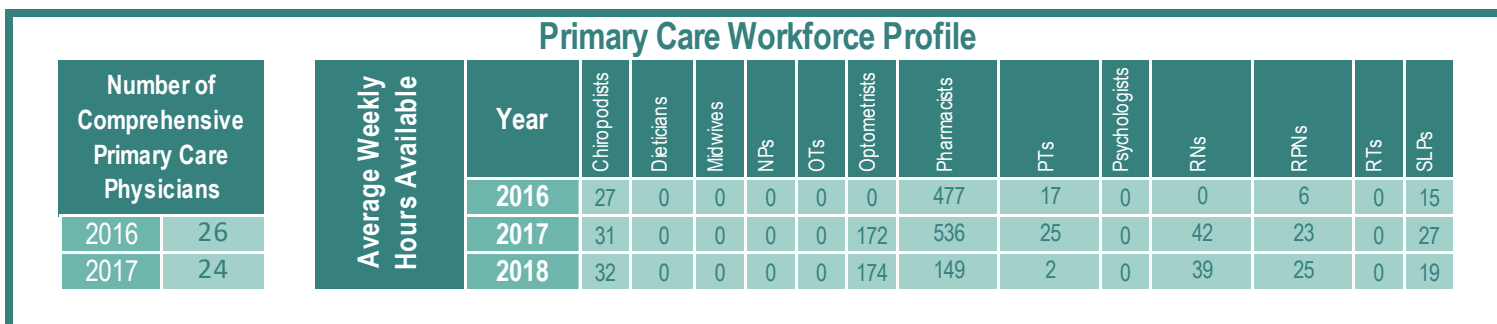
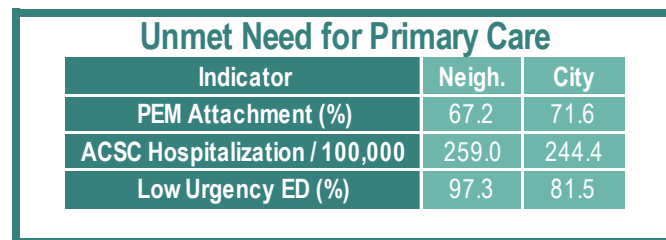
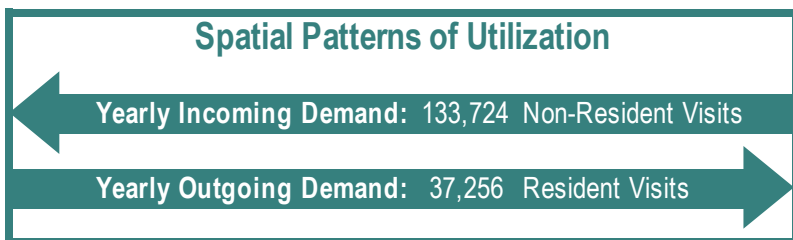
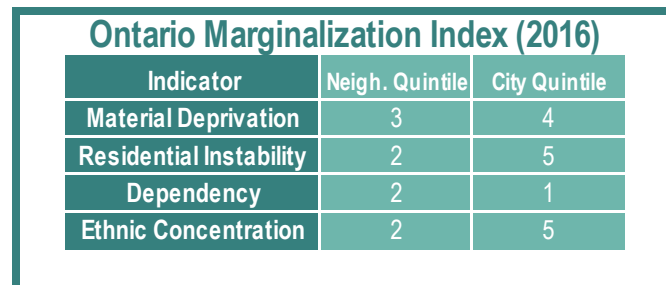
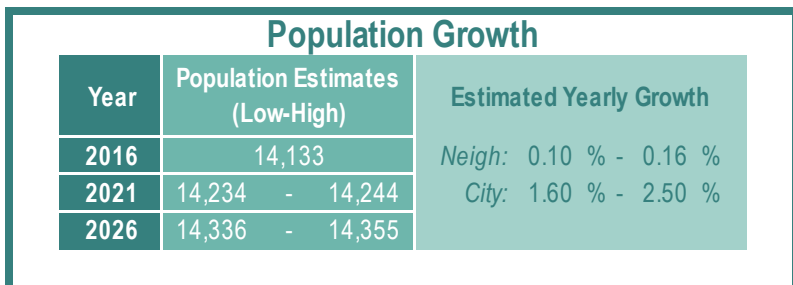
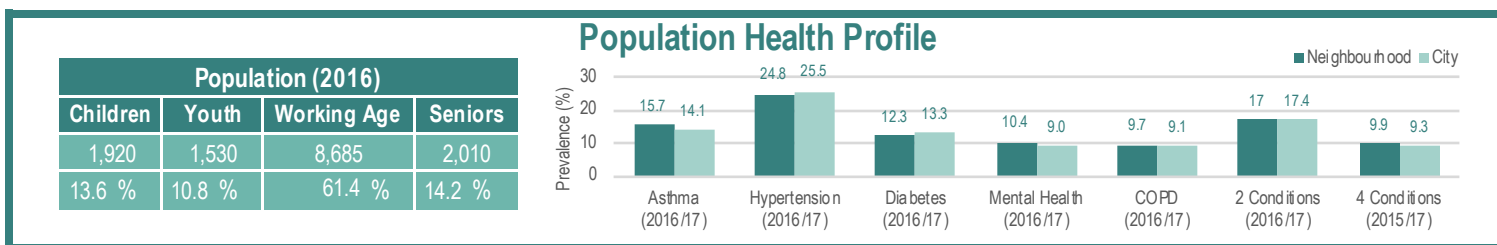
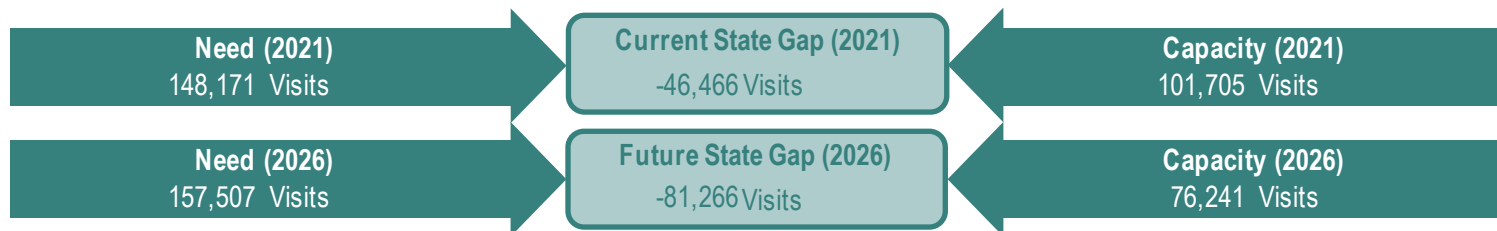
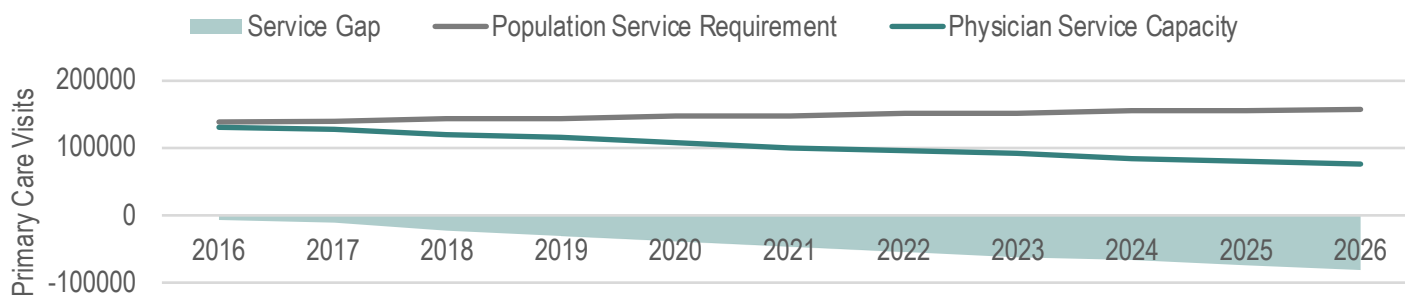
2016	(1-5)
2017	(1-5)

	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	6,849	6,452	6,055	5,658	5,261	4,864	4,467
Non-Comprehensive Care Physicians' Service Capacity	333						
Total Service Capacity	7,182	6,785	6,388	5,991	5,594	5,197	4,800



Primary Care Workforce Planning

Neighbourhood Profile: Corso Italia-Davenport





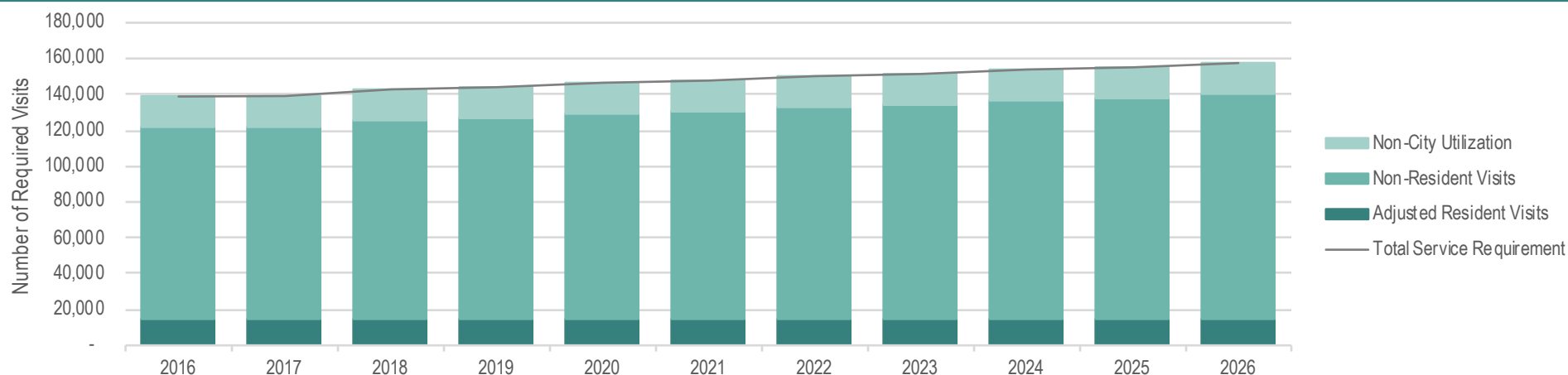
Primary Care Workforce Planning

Service Requirements Module: Corso Italia-Davenport

Examine the Sources of Service Requirements at a Neighbourhood Level

Total Service Requirements =

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



	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	2026
Number of Residents	13,876	13,898	13,920	13,943	13,965	13,987	14,009	14,031	14,054	14,076	14,098
Resident Visits	51,227	50,914	51,390	51,472	51,554	51,636	51,718	51,800	51,882	51,964	52,046
Proportion of Care Accessed Within Home Neighbourhood	27.8%										
Resident Visits Adjusted for Spatial Patterns of Utilization	14,241	14,154	14,287	14,309	14,332	14,355	14,378	14,400	14,423	14,446	14,469
Non-Resident Visits	107,276	108,105	110,964	112,809	114,653	116,498	118,342	120,186	122,031	123,875	125,720
Non-City Utilization	17,319										
Total Service Requirement	138,836	139,578	142,570	144,437	146,304	148,171	150,039	151,906	153,773	155,640	157,507



Primary Care Workforce Planning

Service Capacity Module: Corso Italia-Davenport

Examine the Sources of Service Capacity at a Neighbourhood Level

Total Service Capacity =

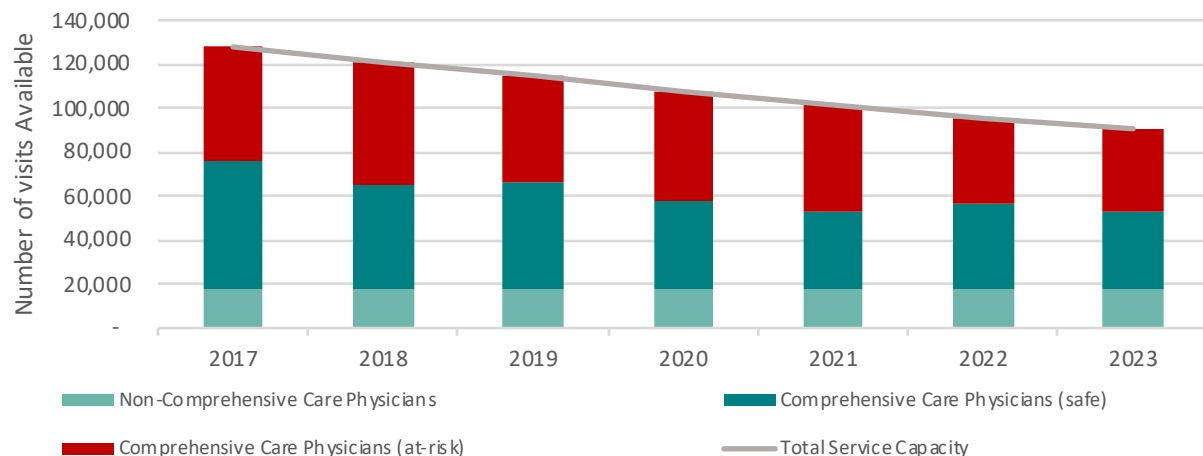
Comprehensive Care Physicians' Safe Service Capacity: Estimated number of services provided by comprehensive care physicians who are not expected to be at risk of exit from the workforce

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



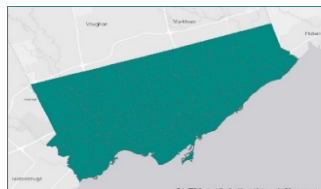
Allied Health Professionals Average Weekly Hours Available

Profession	2016	2017	2018
Chiroprodists	27	31	32
Dieticians	0	0	0
Midwives	0	0	0
NPs	0	0	0
OTs	0	0	0
Optometrists	0	172	174
Pharmacists	477	536	149
PTs	17	25	2
Psychologists	0	0	0
RNs	0	42	39
RPNs	6	23	25
RTs	0	0	0
SLPs	15	27	19

Number of Comprehensive Primary Care Physicians

2016	26
2017	24

	2017	2018	2019	2020	2021	2022	2023
Comprehensive Care Physicians' Safe Service Capacity	58,201	46,393	48,071	39,863	35,077	38,811	34,767
Comprehensive Care Physicians' At-Risk Service Capacity	51,328	56,512	48,210	49,794	48,288	38,637	37,546
Non-Comprehensive Care Physicians' Service Capacity	18,340						
Total Service Capacity	127,869	121,245	114,621	107,997	101,705	95,788	90,653



Primary Care Workforce Planning

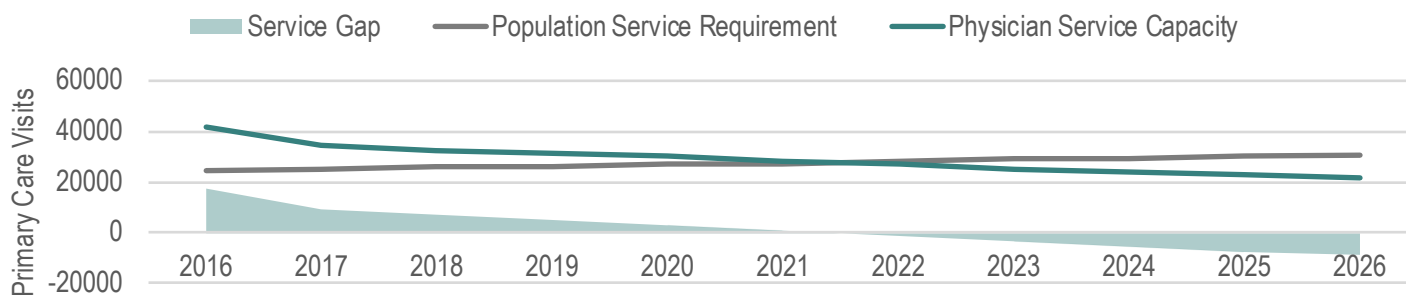
Neighbourhood Profile: *Dovercourt-Wallace Emerson-Junction*



Ontario Health
Toronto



uOttawa



Need (2021)

27,457 Visits

Current State Gap (2021)

+731 Visits

Capacity (2021)

28,188 Visits

Need (2026)

30,515 Visits

Future State Gap (2026)

-8,983 Visits

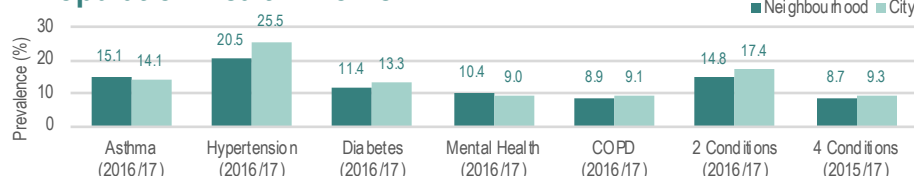
Capacity (2026)

21,532 Visits

Population (2016)

Children	Youth	Working Age	Seniors
4,495	3,945	23,705	4,510
12.3 %	10.8 %	64.7 %	12.3 %

Population Health Profile



Population Growth

Year	Population Estimates (Low-High)	Estimated Yearly Growth
2016	36,625	Neigh: 1.71 % - 2.69 % City: 1.60 % - 2.50 %
2021	41,012 - 41,543	
2026	45,398 - 46,460	

Ontario Marginalization Index (2016)

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

Spatial Patterns of Utilization

Yearly Incoming Demand: 23,689 Non-Resident Visits

Yearly Outgoing Demand: 145,483 Resident Visits

Unmet Need for Primary Care

Indicator	Neigh.	City
PEM Attachment (%)	68.8	71.6
ACSC Hospitalization / 100,000	193.4	244.4
Low Urgency ED (%)	98.9	81.5

Primary Care Workforce Profile

Number of Comprehensive Primary Care Physicians	Year	Chiropractors	Dietitians	Midwives	NPs	OTs	Optometrists	Pharmacists	PTs	Psychologists	RNs	RPNs	RTs	SLPs
2016	7	0	0	0	0	9	0	480	154	0	0	8	0	22
2017	(1-5)	0	0	0	0	0	66	506	158	37	0	12	0	33
2018		0	0	0	0	22	57	242	39	32	0	51	0	60



Primary Care Workforce Planning

Service Requirements Module: Dovercourt-Wallace Emerson-Junction



Ontario
Health

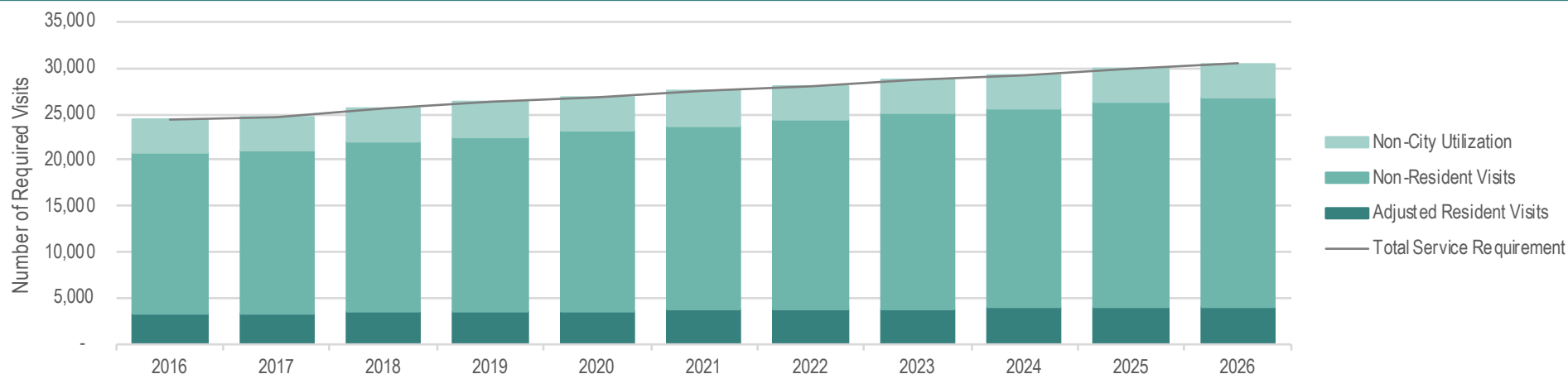


uOttawa

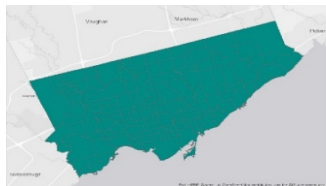
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+
- 3 - Non-City Utilization:** Number of visits expected to be utilized by non-city residents in the neighbourhood based on baseline spatial patterns of utilization



	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	2026
Number of Residents	37,111	38,078	39,045	40,012	40,979	41,946	42,913	43,880	44,847	45,814	46,781
Resident Visits	132,185	133,503	139,074	142,519	145,963	149,407	152,852	156,296	159,740	163,185	166,629
Proportion of Care Accessed Within Home Neighbourhood	2.5%										
Resident Visits Adjusted for Spatial Patterns of Utilization	3,305	3,338	3,477	3,563	3,649	3,735	3,821	3,907	3,994	4,080	4,166
Non-Resident Visits	17,450	17,620	18,501	19,027	19,553	20,078	20,604	21,130	21,655	22,181	22,707
Non-City Utilization	3,643										
Total Service Requirement	24,398	24,601	25,621	26,233	26,845	27,457	28,068	28,680	29,292	29,904	30,515



Primary Care Workforce Planning

Service Capacity Module: Dovercourt-Wallace Emerson-Junction

Examine the Sources of Service Capacity at a Neighbourhood Level

Total Service Capacity =

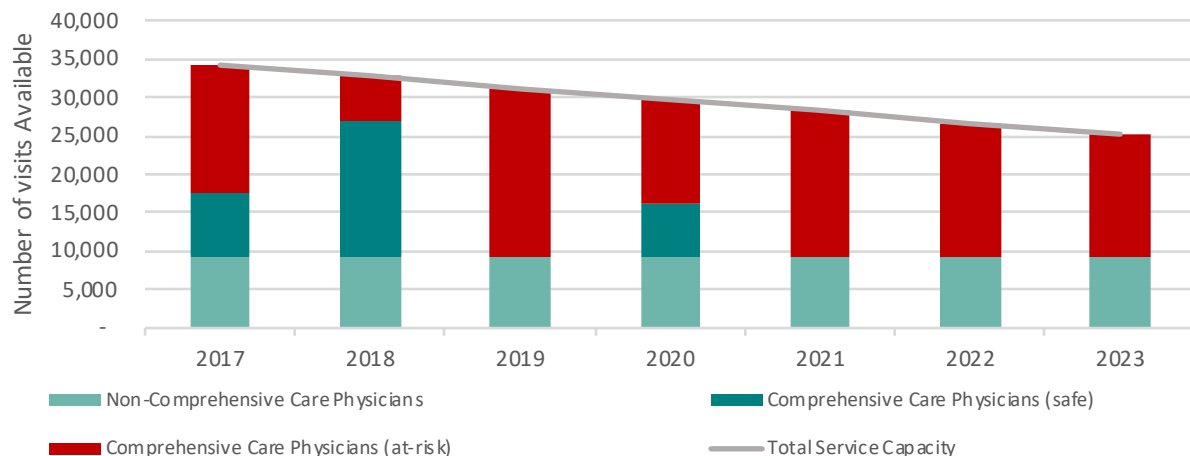
Comprehensive Care Physicians' Safe Service Capacity: Estimated number of services provided by comprehensive care physicians who are not expected to be at risk of exit from the workforce

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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



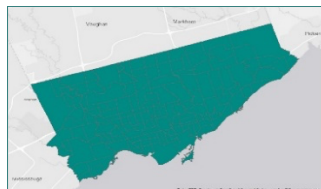
Allied Health Professionals Average Weekly Hours Available

Profession	2016	2017	2018
Chiroprodists	0	0	0
Dieticians	0	0	0
Midwives	0	0	0
NPs	0	0	0
OTs	9	0	22
Optometrists	0	66	57
Pharmacists	480	506	242
PTs	154	158	39
Psychologists	0	37	32
RNs	0	0	0
RPNs	8	12	51
RTs	0	0	0
SLPs	22	33	60

Number of Comprehensive Primary Care Physicians

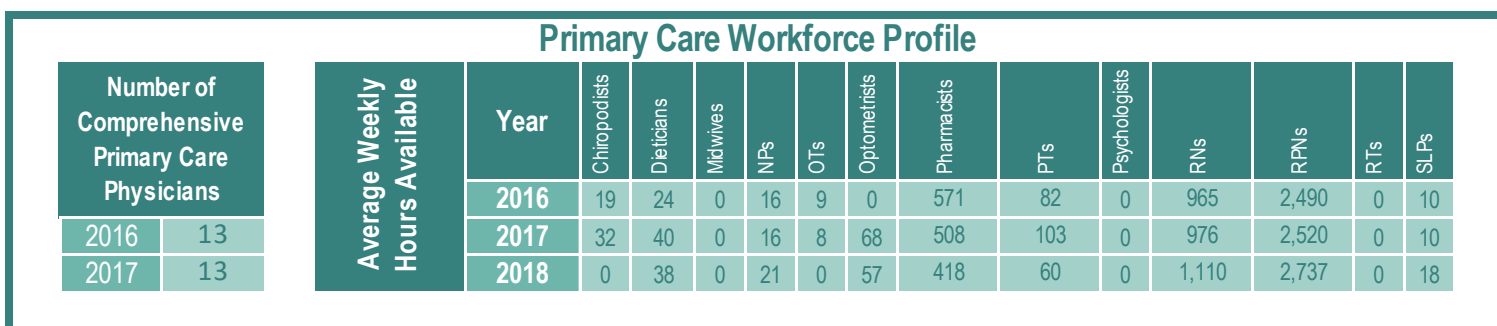
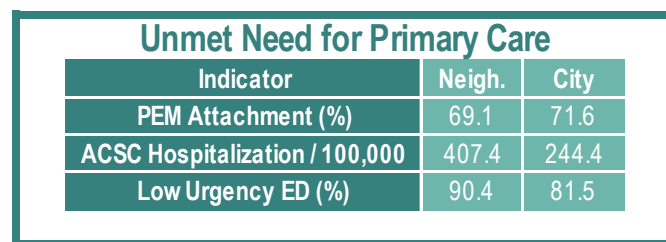
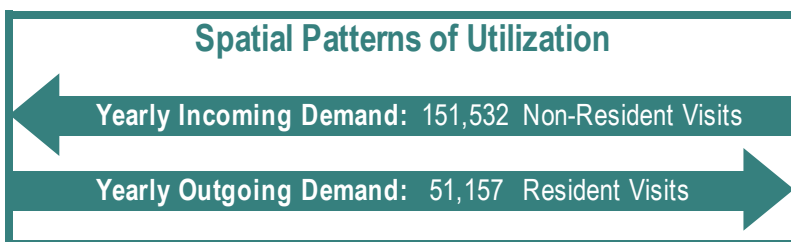
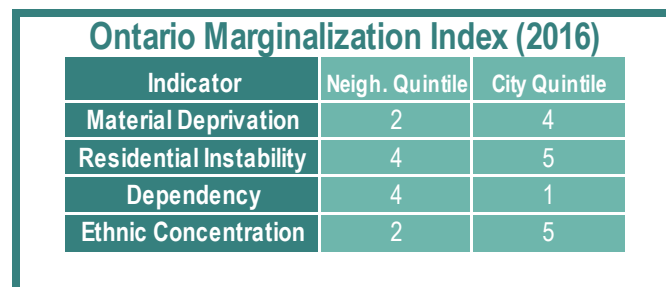
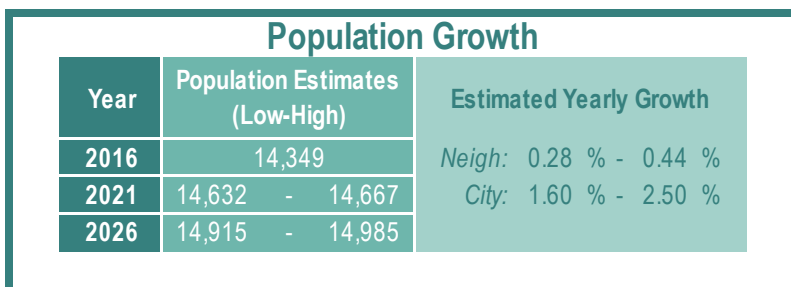
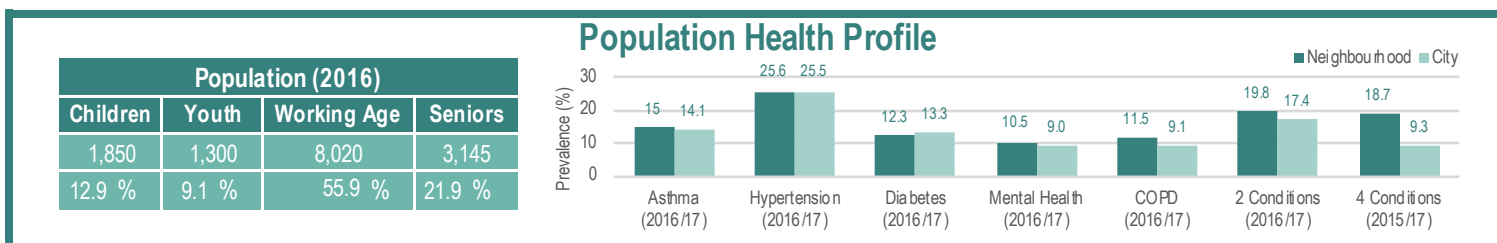
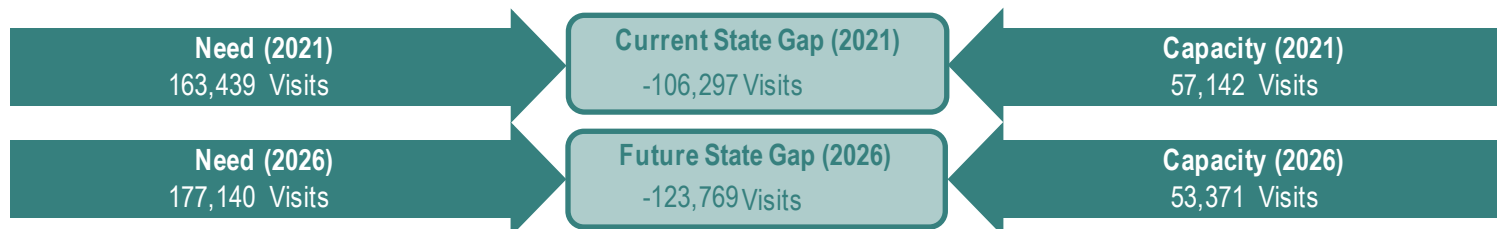
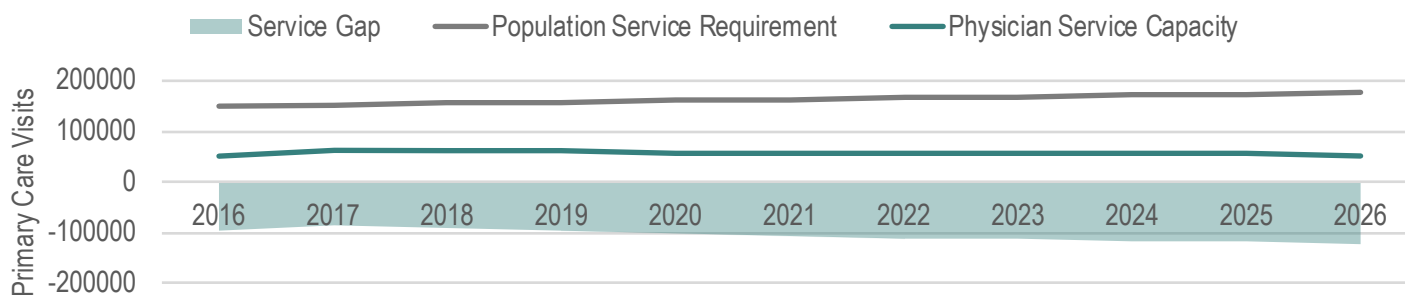
2016	7
2017	(1-5)

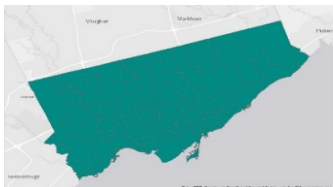
	2017	2018	2019	2020	2021	2022	2023
Comprehensive Care Physicians' Safe Service Capacity	8,426	17,695	0	6,854	0	0	0
Comprehensive Care Physicians' At-Risk Service Capacity	16,494	5,730	21,930	13,581	18,940	17,445	15,950
Non-Comprehensive Care Physicians' Service Capacity	9,248						
Total Service Capacity	34,168	32,673	31,178	29,683	28,188	26,693	25,198



Primary Care Workforce Planning

Neighbourhood Profile: Wychwood





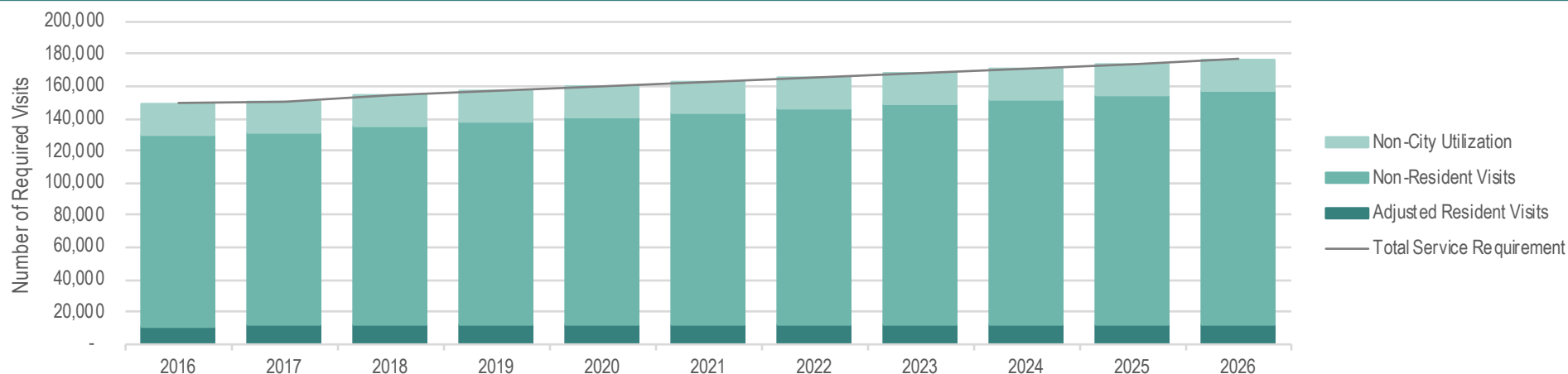
Primary Care Workforce Planning

Service Requirements Module: Wychwood

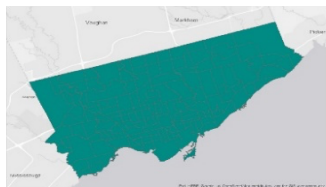
Examine the Sources of Service Requirements at a Neighbourhood Level

Total Service Requirements =

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



	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	2026
Number of Residents	15,643	15,705	15,767	15,829	15,891	15,954	16,016	16,078	16,140	16,202	16,264
Resident Visits	61,599	62,963	62,088	62,333	62,577	62,822	63,066	63,311	63,555	63,800	64,044
Proportion of Care Accessed Within Home Neighbourhood	18.7%										
Resident Visits Adjusted for Spatial Patterns of Utilization	11,519	11,774	11,610	11,656	11,702	11,748	11,793	11,839	11,885	11,931	11,976
Non-Resident Visits	118,038	118,983	123,427	126,122	128,816	131,510	134,205	136,899	139,594	142,288	144,983
Non-City Utilization	20,181										
Total Service Requirement	149,738	150,938	155,219	157,959	160,699	163,439	166,179	168,919	171,660	174,400	177,140



Primary Care Workforce Planning

Service Capacity Module: Wychwood

Examine the Sources of Service Capacity at a Neighbourhood Level

Total Service Capacity =

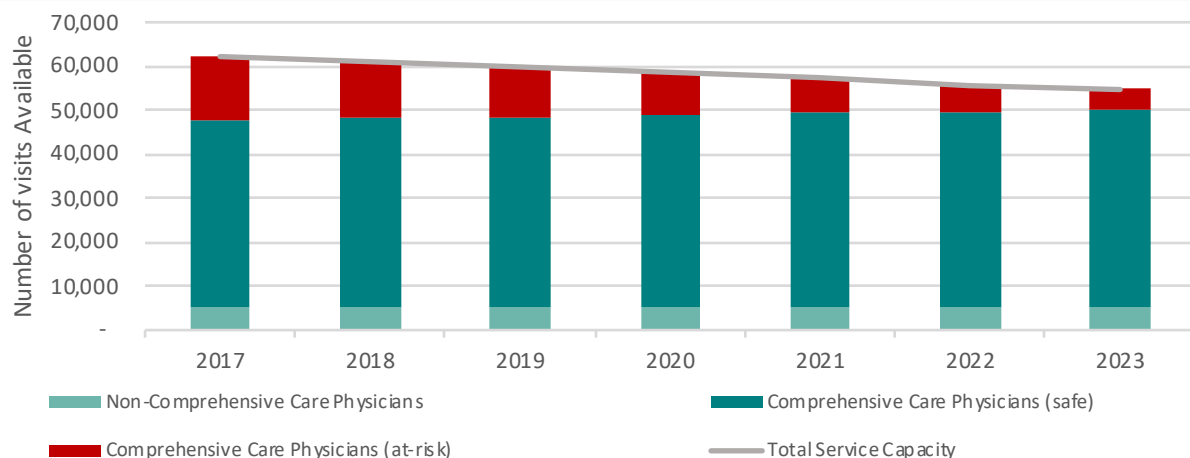
Comprehensive Care Physicians' Safe Service Capacity: Estimated number of services provided by comprehensive care physicians who are not expected to be at risk of exit from the workforce

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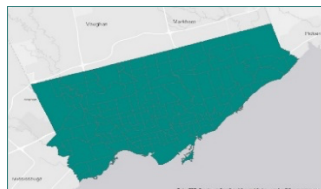
Allied Health Professionals Average Weekly Hours Available

Profession	2016	2017	2018
Chiroprodists	19	32	0
Dieticians	24	40	38
Midwives	0	0	0
NPs	16	16	21
OTs	9	8	0
Optometrists	0	68	57
Pharmacists	571	508	418
PTs	82	103	60
Psychologists	0	0	0
RNs	965	976	1,110
RPNs	2,490	2,520	2,737
RTs	0	0	0
SLPs	10	10	18

Number of Comprehensive Primary Care Physicians

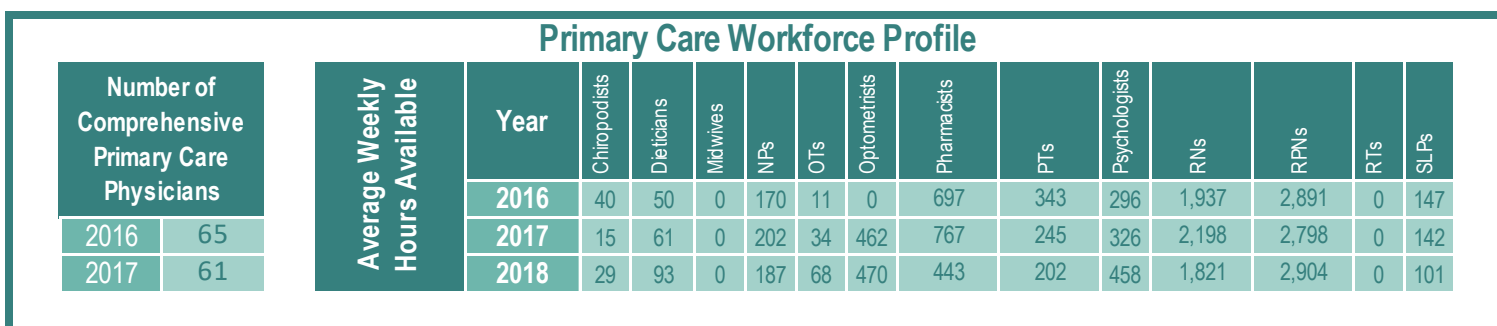
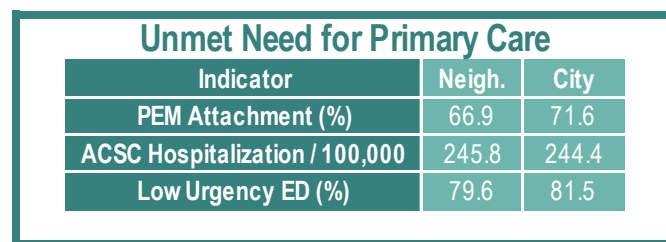
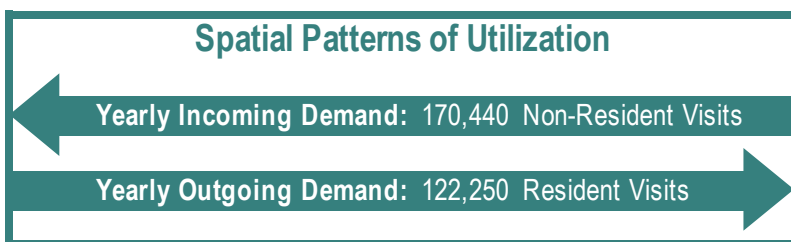
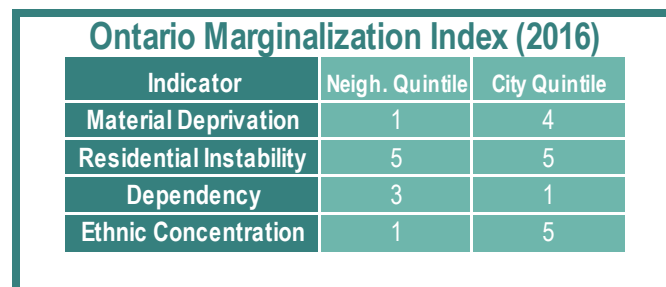
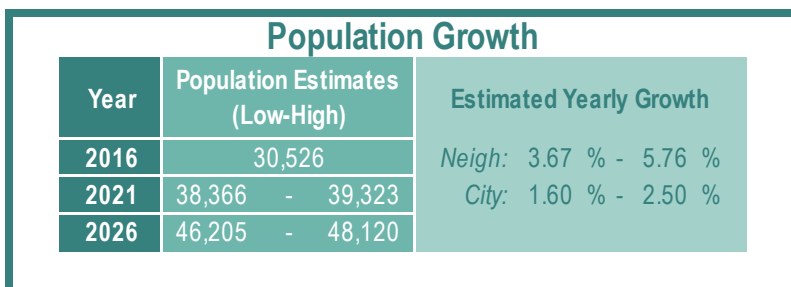
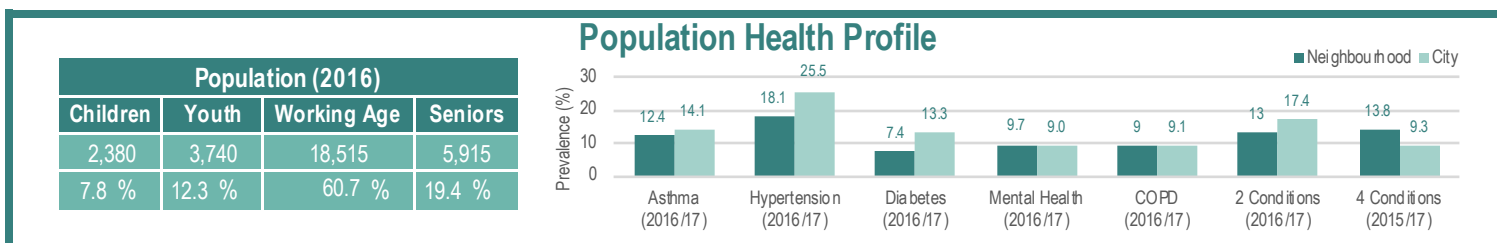
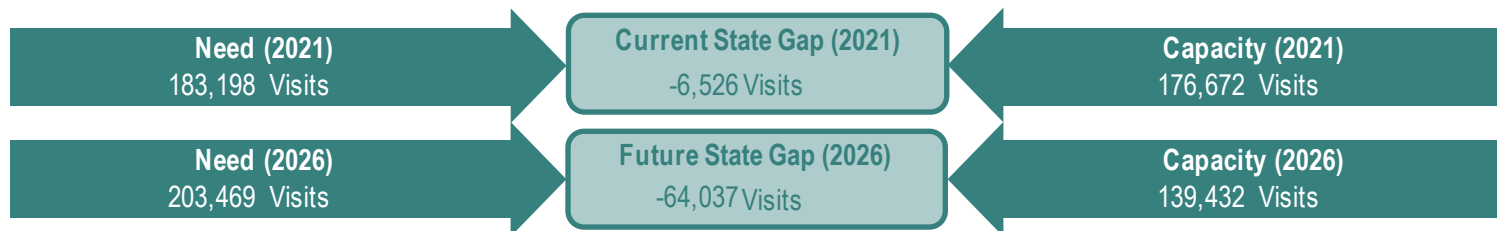
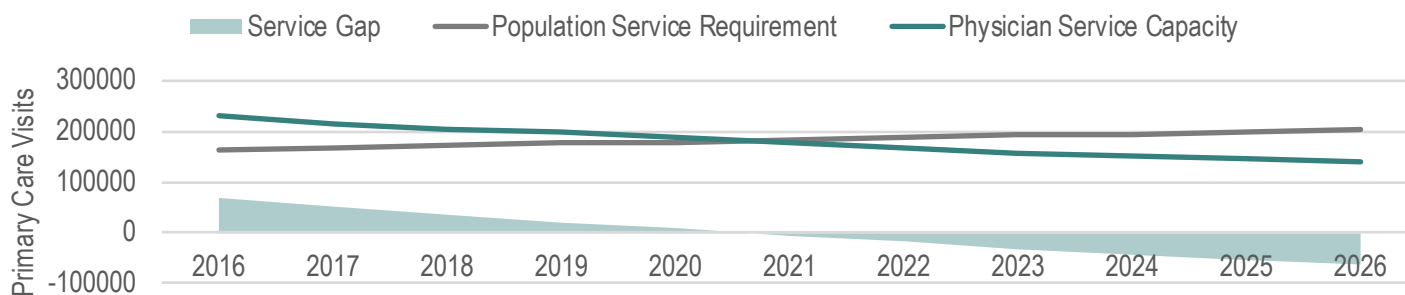
2016	13
2017	13

	2017	2018	2019	2020	2021	2022	2023
Comprehensive Care Physicians' Safe Service Capacity	42,751	43,122	43,493	43,864	44,235	44,606	44,977
Comprehensive Care Physicians' At-Risk Service Capacity	14,343	12,708	11,073	9,438	7,803	6,168	4,621
Non-Comprehensive Care Physicians' Service Capacity	5,104						
Total Service Capacity	62,198	60,934	59,670	58,406	57,142	55,878	54,702



Primary Care Workforce Planning

Neighbourhood Profile: Annex





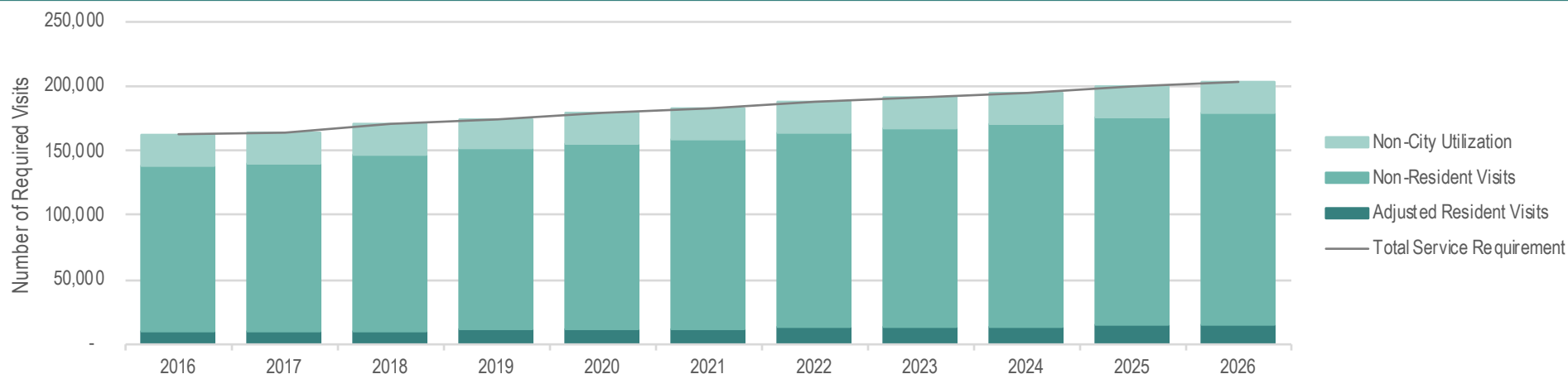
Primary Care Workforce Planning

Service Requirements Module: Annex

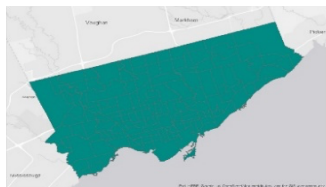
Examine the Sources of Service Requirements at a Neighbourhood Level

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	27,866	29,596	31,326	33,056	34,786	36,516	38,245	39,975	41,705	43,435	45,165
Resident Visits	103,204	104,637	116,017	122,424	128,831	135,238	141,644	148,051	154,458	160,865	167,272
Proportion of Care Accessed Within Home Neighbourhood	9.3%										
Resident Visits Adjusted for Spatial Patterns of Utilization	9,598	9,731	10,790	11,385	11,981	12,577	13,173	13,769	14,365	14,960	15,556
Non-Resident Visits	129,627	131,088	136,543	140,001	143,460	146,918	150,376	153,835	157,293	160,751	164,210
Non-City Utilization	23,703										
Total Service Requirement	162,927	164,522	171,036	175,090	179,144	183,198	187,252	191,306	195,361	199,415	203,469



Primary Care Workforce Planning

Service Capacity Module: Annex

Examine the Sources of Service Capacity at a Neighbourhood Level

Total Service Capacity =

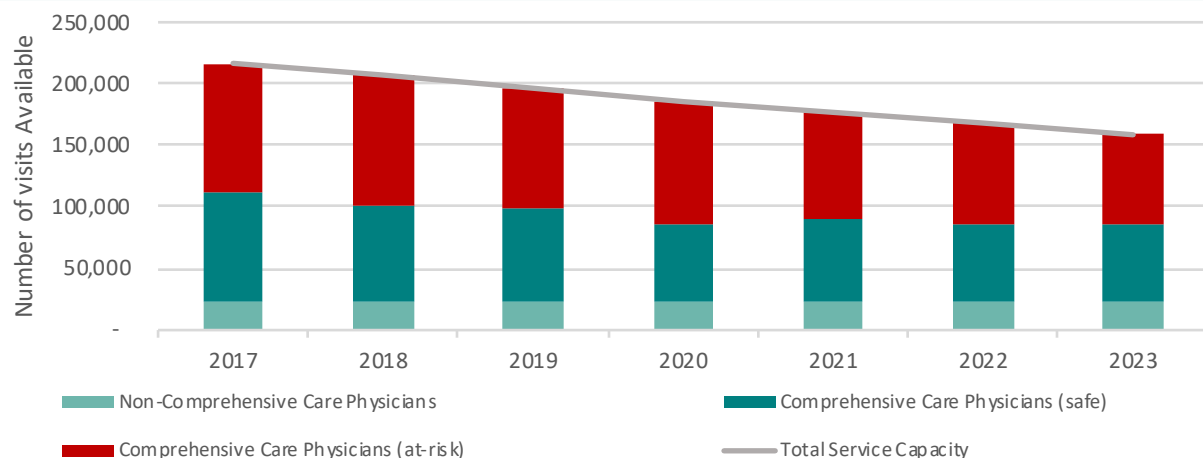
Comprehensive Care Physicians' Safe Service Capacity: Estimated number of services provided by comprehensive care physicians who are not expected to be at risk of exit from the workforce

+

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



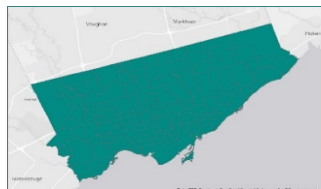
Allied Health Professionals Average Weekly Hours Available

Profession	2016	2017	2018
Chiropractors	40	15	29
Dieticians	50	61	93
Midwives	0	0	0
NPs	170	202	187
OTs	11	34	68
Optometrists	0	462	470
Pharmacists	697	767	443
PTs	343	245	202
Psychologists	296	326	458
RNs	1,937	2,198	1,821
RPNs	2,891	2,798	2,904
RTs	0	0	0
SLPs	147	142	101

Number of Comprehensive Primary Care Physicians

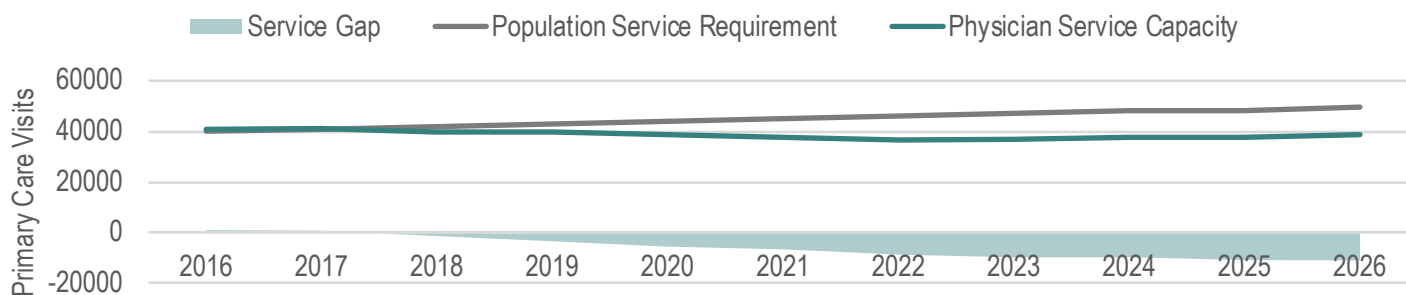
2016	65
2017	61

	2017	2018	2019	2020	2021	2022	2023
Comprehensive Care Physicians' Safe Service Capacity	88,879	78,602	76,083	63,349	67,516	64,267	63,036
Comprehensive Care Physicians' At-Risk Service Capacity	105,647	105,504	97,723	100,545	87,027	80,973	73,462
Non-Comprehensive Care Physicians' Service Capacity	22,129						
Total Service Capacity	216,655	206,235	195,935	186,023	176,672	167,369	158,627



Primary Care Workforce Planning

Neighbourhood Profile: Casa Loma



Need (2021)
44,803 Visits

Current State Gap (2021)
-7,277 Visits

Capacity (2021)
37,526 Visits

Need (2026)
49,578 Visits

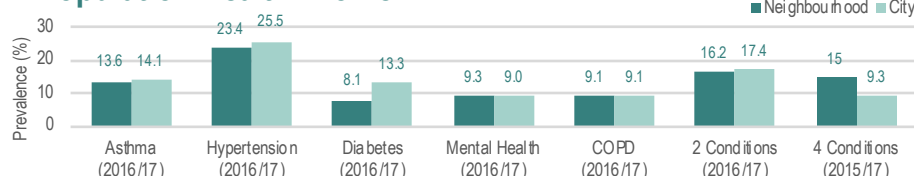
Future State Gap (2026)
-11,191 Visits

Capacity (2026)
38,387 Visits

Population (2016)

Children	Youth	Working Age	Seniors
1,215	1,085	6,025	2,680
11.1 %	9.9 %	54.9 %	24.4 %

Population Health Profile



Population Growth

Year	Population Estimates (Low-High)	Estimated Yearly Growth
2016	10,968	Neigh: 2.02 % - 3.17 % City: 1.60 % - 2.50 %
2021	12,518 - 12,709	
2026	14,069 - 14,450	

Ontario Marginalization Index (2016)

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

Spatial Patterns of Utilization

Yearly Incoming Demand: 42,576 Non-Resident Visits

Yearly Outgoing Demand: 43,424 Resident Visits

Unmet Need for Primary Care

Indicator	Neigh.	City
PEM Attachment (%)	70.6	71.6
ACSC Hospitalization / 100,000	235.0	244.4
Low Urgency ED (%)	76.0	81.5

Primary Care Workforce Profile

Number of Comprehensive Primary Care Physicians	Year	Average Weekly Hours Available												
		Chiropractors	Dietitians	Midwives	NPs	OTs	Optometrists	Pharmacists	PTs	Psychologists	RNs	RPNs	RTs	SLPs
2016	19	21	51	0	21	8	0	122	0	256	256	438	0	32
2017	17	16	33	0	17	0	0	107	33	245	236	440	0	8
2018		0	41	0	0	21	0	139	4	249	116	350	0	0



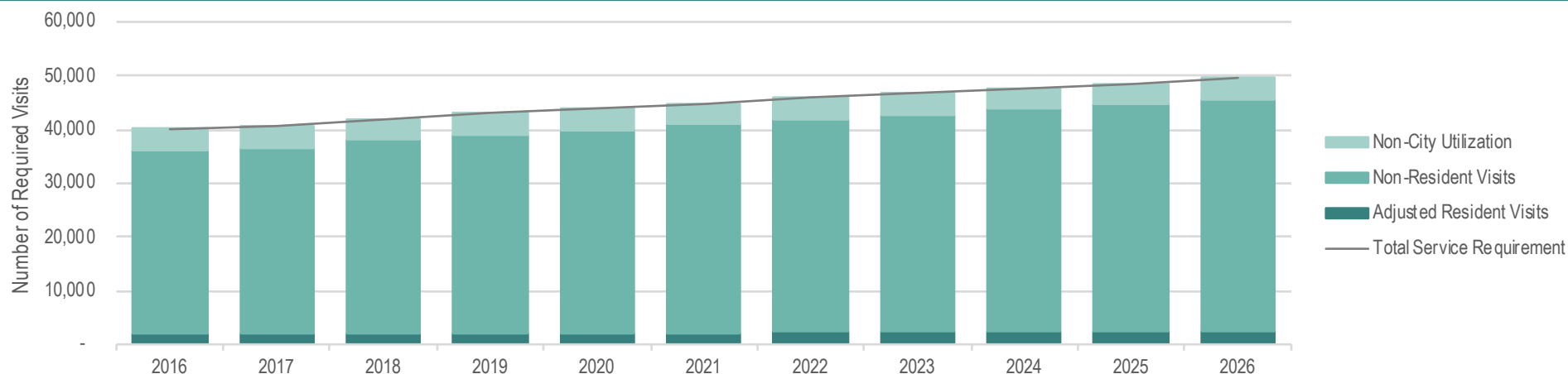
Primary Care Workforce Planning

Service Requirements Module: Casa Loma

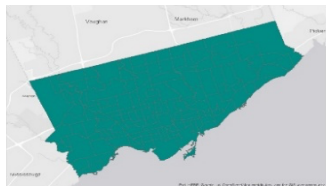
Examine the Sources of Service Requirements at a Neighbourhood Level

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	10,821	11,163	11,505	11,848	12,190	12,532	12,874	13,216	13,559	13,901	14,243
Resident Visits	39,379	40,715	41,870	43,115	44,360	45,605	46,851	48,096	49,341	50,587	51,832
Proportion of Care Accessed Within Home Neighbourhood	4.8%										
Resident Visits Adjusted for Spatial Patterns of Utilization	1,890	1,954	2,010	2,070	2,129	2,189	2,249	2,309	2,368	2,428	2,488
Non-Resident Visits	34,258	34,745	36,049	36,944	37,839	38,735	39,630	40,525	41,420	42,315	43,211
Non-City Utilization	3,879										
Total Service Requirement	40,028	40,579	41,938	42,893	43,848	44,803	45,758	46,713	47,668	48,623	49,578



Primary Care Workforce Planning

Service Capacity Module: Casa Loma

Examine the Sources of Service Capacity at a Neighbourhood Level

Total Service Capacity =

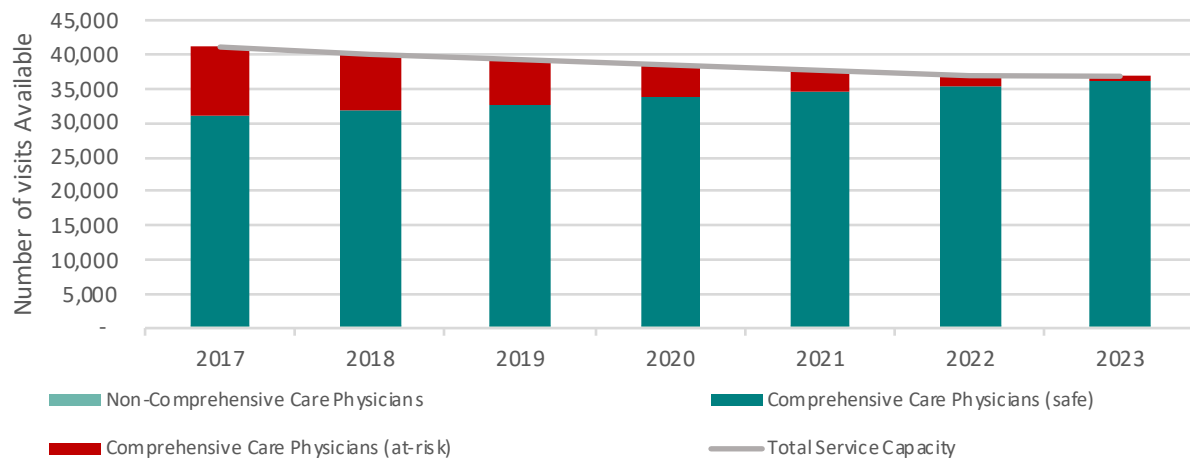
Comprehensive Care Physicians' Safe Service Capacity: Estimated number of services provided by comprehensive care physicians who are not expected to be at risk of exit from the workforce

+

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



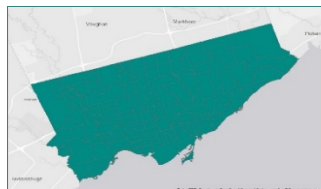
Allied Health Professionals Average Weekly Hours Available

Profession	2016	2017	2018
Chiropractors	21	16	0
Dieticians	51	33	41
Midwives	0	0	0
NPs	21	17	0
OTs	8	0	21
Optometrists	0	0	0
Pharmacists	122	107	139
PTs	0	33	4
Psychologists	256	245	249
RNs	256	236	116
RPNs	438	440	350
RTs	0	0	0
SLPs	32	8	0

Number of Comprehensive Primary Care Physicians

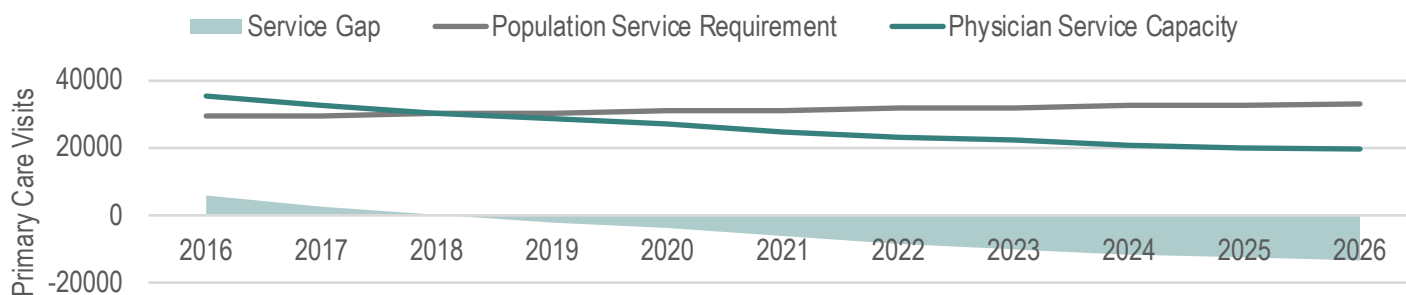
2016	19
2017	17

	2017	2018	2019	2020	2021	2022	2023
Comprehensive Care Physicians' Safe Service Capacity	31,006	31,804	32,602	33,400	34,198	34,996	35,794
Comprehensive Care Physicians' At-Risk Service Capacity	9,885	8,196	6,507	4,818	3,129	1,843	823
Non-Comprehensive Care Physicians' Service Capacity	199						
Total Service Capacity	41,090	40,199	39,308	38,417	37,526	37,038	36,816



Primary Care Workforce Planning

Neighbourhood Profile: Oakwood Village



Need (2021)
31,341 Visits

Current State Gap (2021)
-6,243 Visits

Capacity (2021)
25,098 Visits

Need (2026)
33,127 Visits

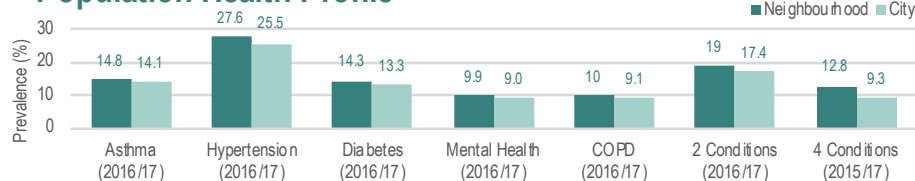
Future State Gap (2026)
-13,406 Visits

Capacity (2026)
19,721 Visits

Population (2016)

Children	Youth	Working Age	Seniors
3,130	2,250	12,140	3,705
14.7 %	10.6 %	57.2 %	17.4 %

Population Health Profile



Population Growth

Year	Population Estimates (Low-High)	Estimated Yearly Growth
2016	21,210	Neigh: 0.22 % - 0.35 % City: 1.60 % - 2.50 %
2021	21,544 - 21,583	
2026	21,877 - 21,955	

Ontario Marginalization Index (2016)

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

Spatial Patterns of Utilization

← **Yearly Incoming Demand:** 26,483 Non-Resident Visits

Yearly Outgoing Demand: 78,642 Resident Visits →

Unmet Need for Primary Care

Indicator	Neigh.	City
PEM Attachment (%)	68.4	71.6
ACSC Hospitalization / 100,000	248.4	244.4
Low Urgency ED (%)	84.5	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			0	9	0	0	0	0	213	16	58	272	464	0	53
2017	6			0	9	0	16	0	0	184	21	88	205	414	0	103
2018	6			0	11	0	14	0	0	85	6	87	206	385	0	85



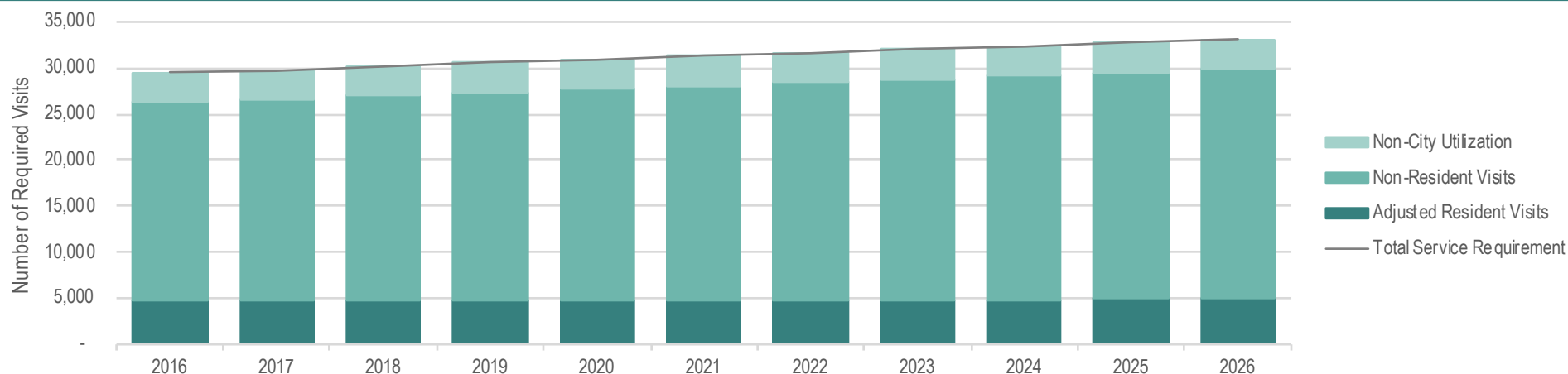
Primary Care Workforce Planning

Service Requirements Module: Oakwood Village

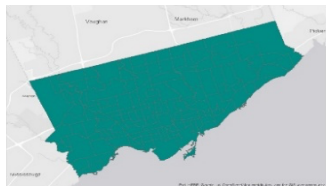
Examine the Sources of Service Requirements at a Neighbourhood Level

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	22,055	22,129	22,202	22,276	22,349	22,423	22,496	22,570	22,643	22,717	22,790
Resident Visits	82,113	82,411	82,661	82,934	83,208	83,482	83,755	84,029	84,303	84,576	84,850
Proportion of Care Accessed Within Home Neighbourhood	5.8%										
Resident Visits Adjusted for Spatial Patterns of Utilization	4,763	4,780	4,794	4,810	4,826	4,842	4,858	4,874	4,890	4,905	4,921
Non-Resident Visits	21,536	21,698	22,218	22,559	22,901	23,242	23,583	23,925	24,266	24,607	24,949
Non-City Utilization	3,257										
Total Service Requirement	29,555	29,735	30,269	30,627	30,984	31,341	31,698	32,055	32,412	32,770	33,127



Primary Care Workforce Planning

Service Capacity Module: Oakwood Village

Examine the Sources of Service Capacity at a Neighbourhood Level

Total Service Capacity =

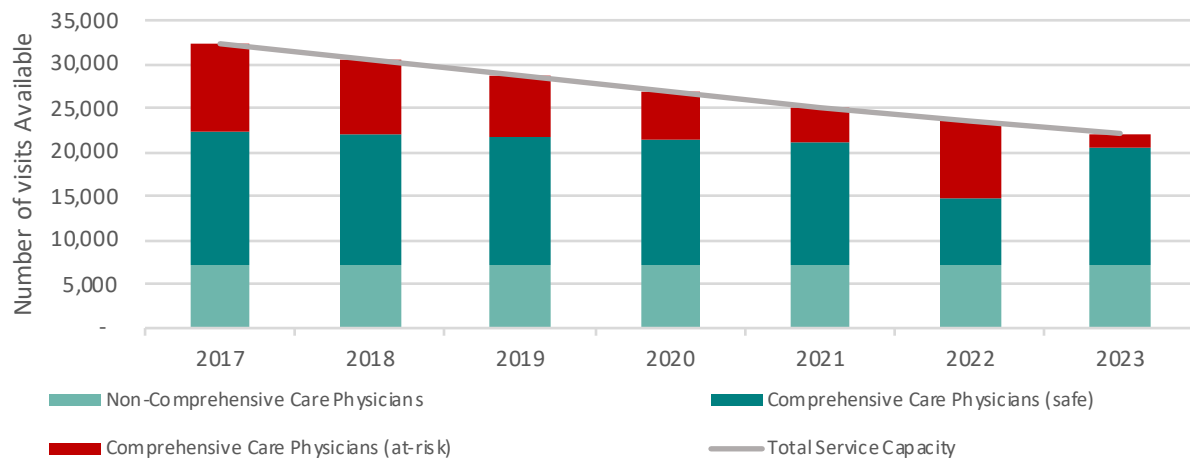
Comprehensive Care Physicians' Safe Service Capacity: Estimated number of services provided by comprehensive care physicians who are not expected to be at risk of exit from the workforce

+

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	9	9	11
Midwives	0	0	0
NPs	0	16	14
OTs	0	0	0
Optometrists	0	0	0
Pharmacists	213	184	85
PTs	16	21	6
Psychologists	58	88	87
RNs	272	205	206
RPNs	464	414	385
RTs	0	0	0
SLPs	53	103	85

Number of Comprehensive Primary Care Physicians

2016	6
2017	6

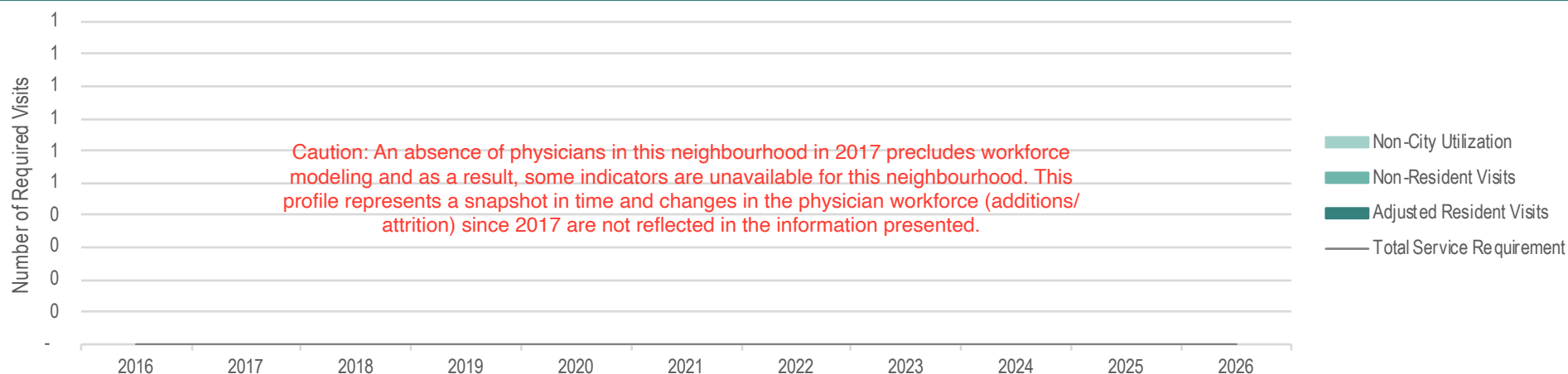
	2017	2018	2019	2020	2021	2022	2023
Comprehensive Care Physicians' Safe Service Capacity	15,247	14,947	14,647	14,347	14,047	7,630	13,447
Comprehensive Care Physicians' At-Risk Service Capacity	9,909	8,401	6,893	5,385	3,877	8,778	1,512
Non-Comprehensive Care Physicians' Service Capacity	7,174						
Total Service Capacity	32,330	30,522	28,714	26,906	25,098	23,582	22,133



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: Caledonia-Fairbank

Examine the Sources of Service Capacity at a Neighbourhood Level

Total Service Capacity =

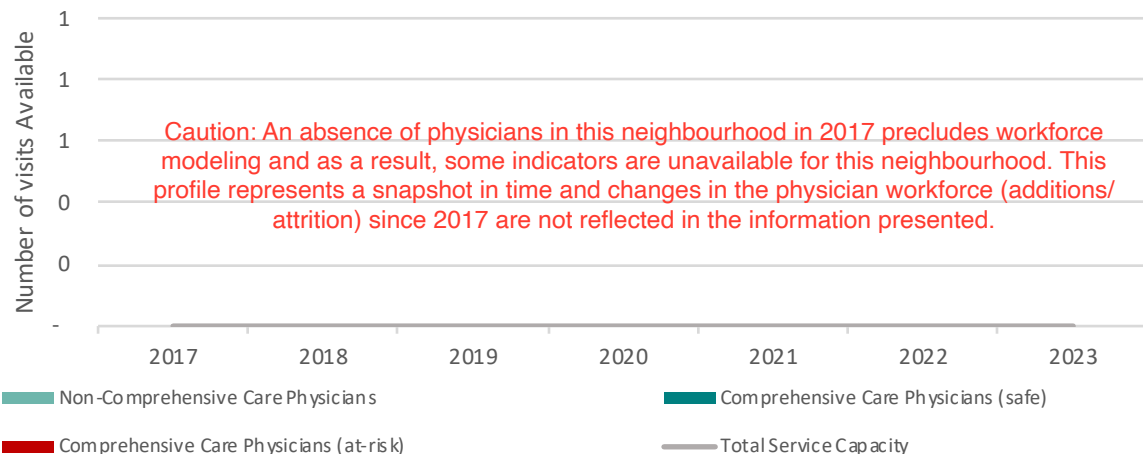
Comprehensive Care Physicians' Safe Service Capacity: Estimated number of services provided by comprehensive care physicians who are not expected to be at risk of exit from the workforce

+

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

+

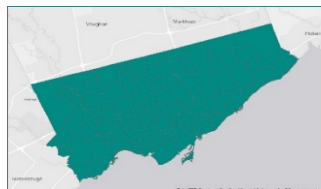
Service Capacity Generated by Non-Comprehensive Care Physicians: Estimated number of services provided by non-comprehensive care physicians



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	0	0
Pharmacists	95	84	0
PTs	0	0	0
Psychologists	0	0	0
RNs	0	0	0
RPNs	0	0	0
RTs	0	0	0
SLPs	0	0	0

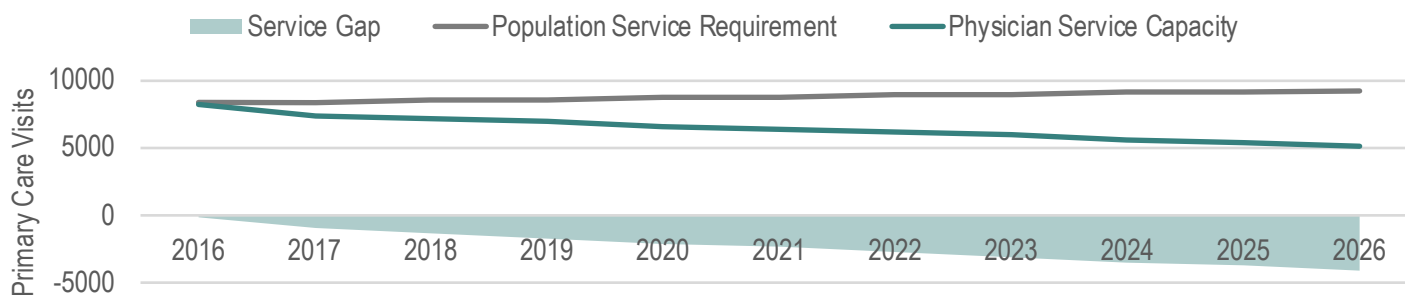
Number of Comprehensive Primary Care Physicians	
2016	0
2017	0

	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: Keelesdale-Eglinton West



Need (2021)
8,820 Visits

Current State Gap (2021)
-2,393 Visits

Capacity (2021)
6,427 Visits

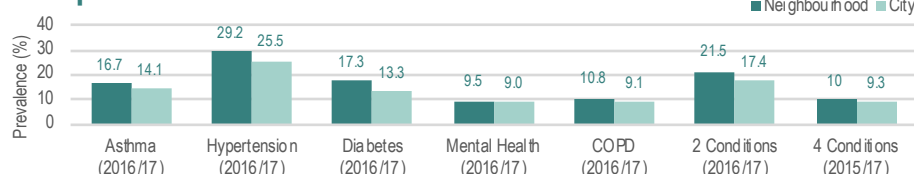
Need (2026)
9,245 Visits

Future State Gap (2026)
-4,108 Visits

Capacity (2026)
5,137 Visits

Population (2016)			
Children	Youth	Working Age	Seniors
1,615	1,430	6,230	1,785
14.6 %	12.9 %	56.4 %	16.2 %

Population Health Profile



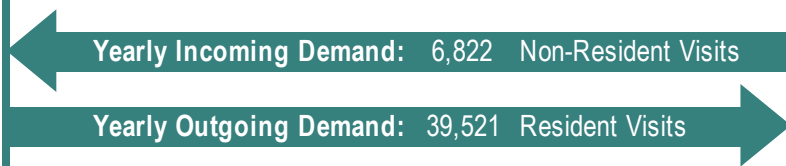
Population Growth

Year	Population Estimates (Low-High)	Estimated Yearly Growth
2016	11,058	Neigh: 0.13 % - 0.20 % City: 1.60 % - 2.50 %
2021	11,157 - 11,167	
2026	11,256 - 11,275	

Ontario Marginalization Index (2016)

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

Spatial Patterns of Utilization



Unmet Need for Primary Care

Indicator	Neigh.	City
PEM Attachment (%)	67.8	71.6
ACSC Hospitalization / 100,000	340.1	244.4
Low Urgency ED (%)	97.3	81.5

Primary Care Workforce Profile

Number of Comprehensive Primary Care Physicians		Average Weekly Hours Available	Year	Chiropractors	Dietitians	Midwives	NPs	OTs	Optometrists	Pharmacists	PTs	Psychologists	RNs	RPNs	RTs	SLPs
2016	(1-5)		2016	0	26	0	94	0	0	165	0	0	28	34	0	0
2017	(1-5)		2017	0	12	0	79	0	54	149	0	0	30	32	0	0
2017	(1-5)		2018	0	28	0	79	0	47	104	0	0	32	38	0	0



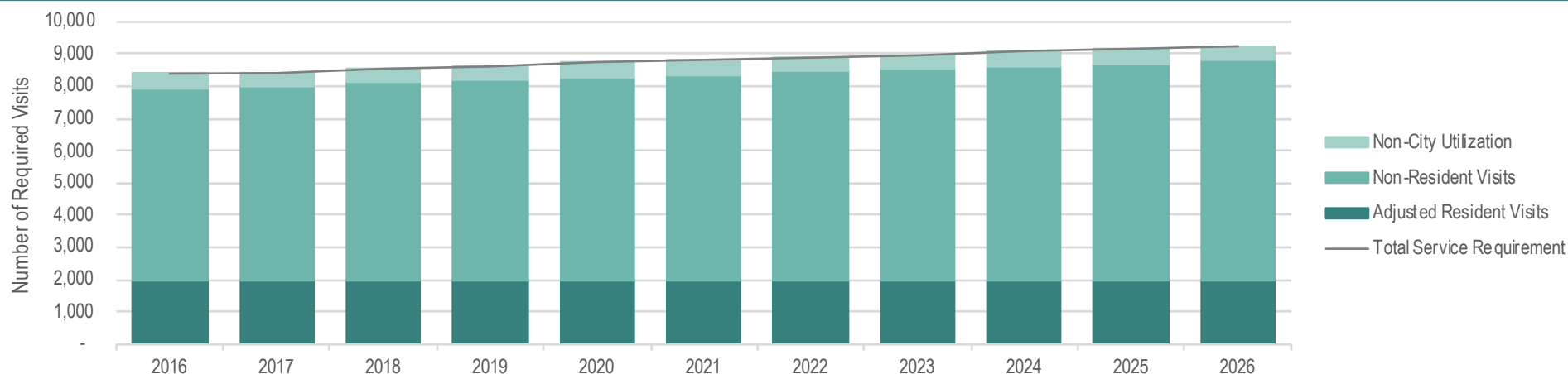
Primary Care Workforce Planning

Service Requirements Module: Keelesdale-Eglinton West

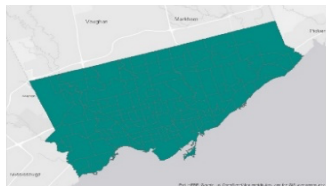
Examine the Sources of Service Requirements at a Neighbourhood Level

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	10,921	10,943	10,964	10,986	11,008	11,030	11,051	11,073	11,095	11,116	11,138
Resident Visits	41,139	40,848	41,302	41,384	41,466	41,548	41,629	41,711	41,793	41,875	41,956
Proportion of Care Accessed Within Home Neighbourhood	4.8%										
Resident Visits Adjusted for Spatial Patterns of Utilization	1,975	1,961	1,983	1,986	1,990	1,994	1,998	2,002	2,006	2,010	2,014
Non-Resident Visits	5,969	6,012	6,131	6,212	6,293	6,374	6,455	6,536	6,617	6,698	6,779
Non-City Utilization	452										
Total Service Requirement	8,395	8,424	8,565	8,650	8,735	8,820	8,905	8,990	9,075	9,160	9,245



Primary Care Workforce Planning

Service Capacity Module: Keele-Eglinton West

Examine the Sources of Service Capacity at a Neighbourhood Level

Total Service Capacity =

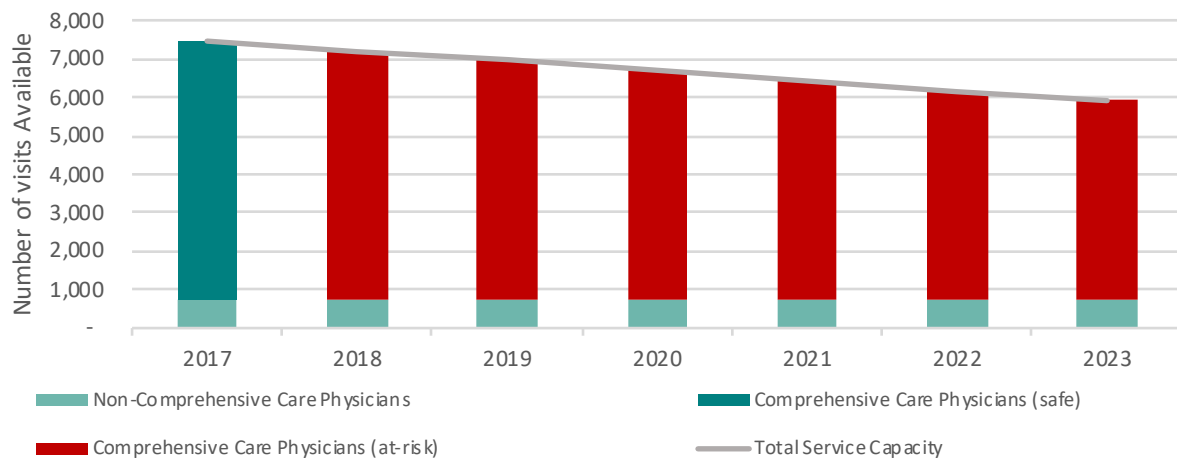
Comprehensive Care Physicians' Safe Service Capacity: Estimated number of services provided by comprehensive care physicians who are not expected to be at risk of exit from the workforce

+

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
Chiropractors	0	0	0
Dietitians	26	12	28
Midwives	0	0	0
NPs	94	79	79
OTs	0	0	0
Optometrists	0	54	47
Pharmacists	165	149	104
PTs	0	0	0
Psychologists	0	0	0
RNs	28	30	32
RPNs	34	32	38
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	6,714	0	0	0	0	0	0
Comprehensive Care Physicians' At-Risk Service Capacity	0	6,456	6,198	5,940	5,682	5,424	5,166
Non-Comprehensive Care Physicians' Service Capacity	745						
Total Service Capacity	7,459	7,201	6,943	6,685	6,427	6,169	5,911

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.

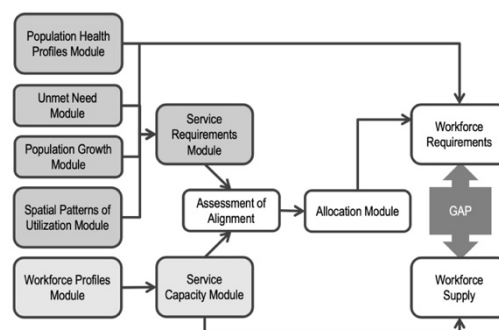
Methodology

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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