

Network Access Analysis

Hawki

Delta Dental of Iowa

October 30, 2019

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Access Overview 30 Miles

October 30, 2019

Access Analysis

Hawki

Member / Provider Groups

Hawki Members

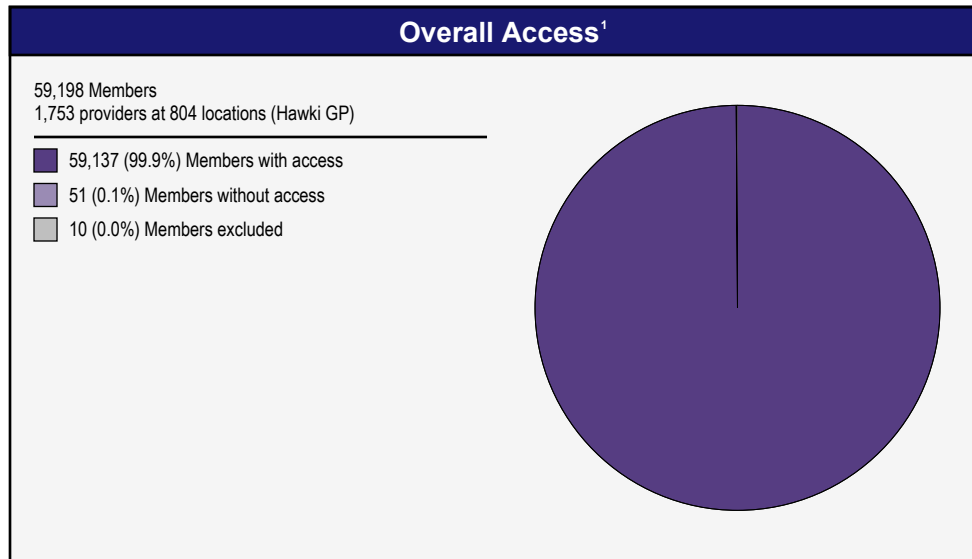
Hawki GP

Comparison Graph

Percent of members with access to a choice of providers over miles

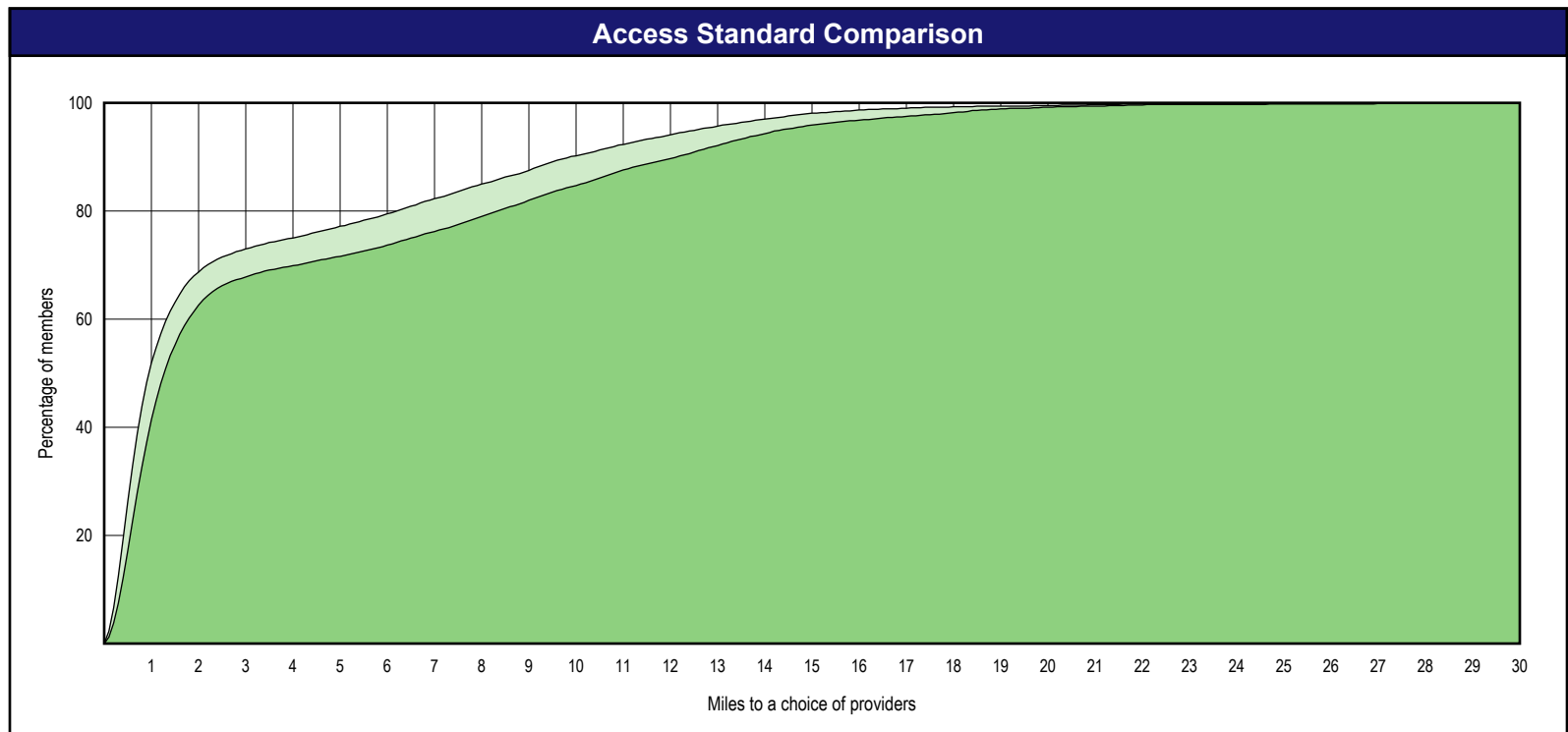
- 1st closest
- 2nd closest

¹ The Access Standard is defined as (Hawki Members) members accessing:
1 (Hawki GP) provider in 30 miles and 30 minutes



Distances/Times

	Average
Distance/Time to 1st closest provider	3.5 miles 3.9 mins
Distance/Time to 2nd closest provider	4.3 miles 4.8 mins



Access Overview 30 Miles

October 30, 2019

Access Analysis

Hawki

Member / Provider Groups

Hawki Members

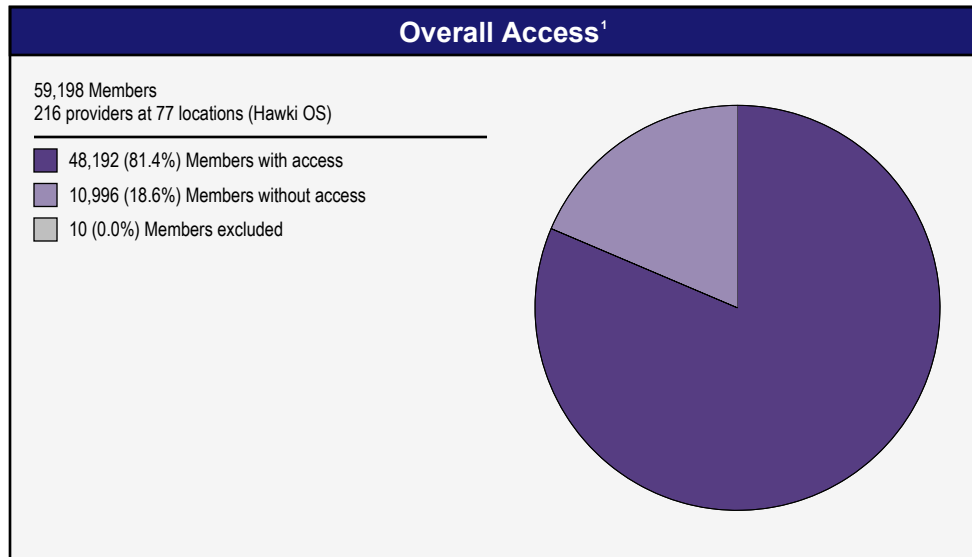
Hawki OS

Comparison Graph

Percent of members with access to a choice of providers over miles

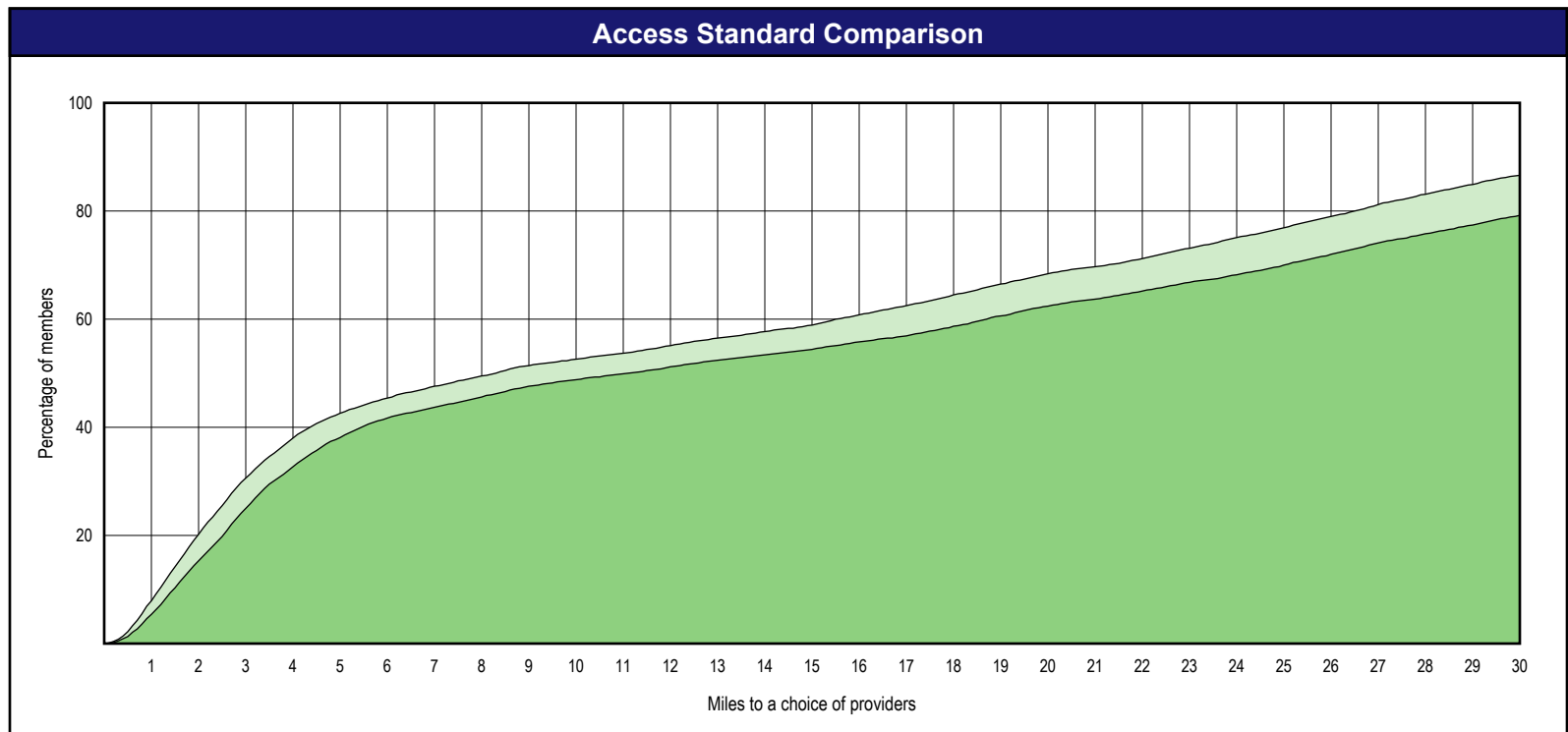
- 1st closest
- 2nd closest

¹ The Access Standard is defined as (Hawki Members) members accessing:
1 (Hawki OS) provider in 30 miles and 30 minutes



Distances/Times

	Average
Distance/Time to 1st closest provider	14.6 miles 16.6 mins
Distance/Time to 2nd closest provider	17.7 miles 19.9 mins



Access Overview 30 Miles

October 30, 2019

Access Analysis

Hawki

Member / Provider Groups

Hawki Members

Hawki Endo

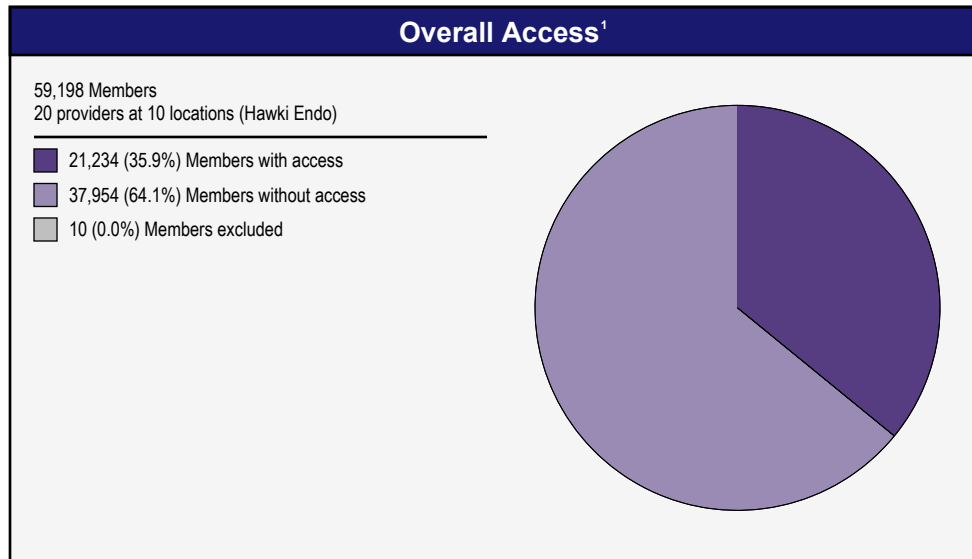
Comparison Graph

Percent of members with access to a choice of providers over miles

- 1st closest
- 2nd closest

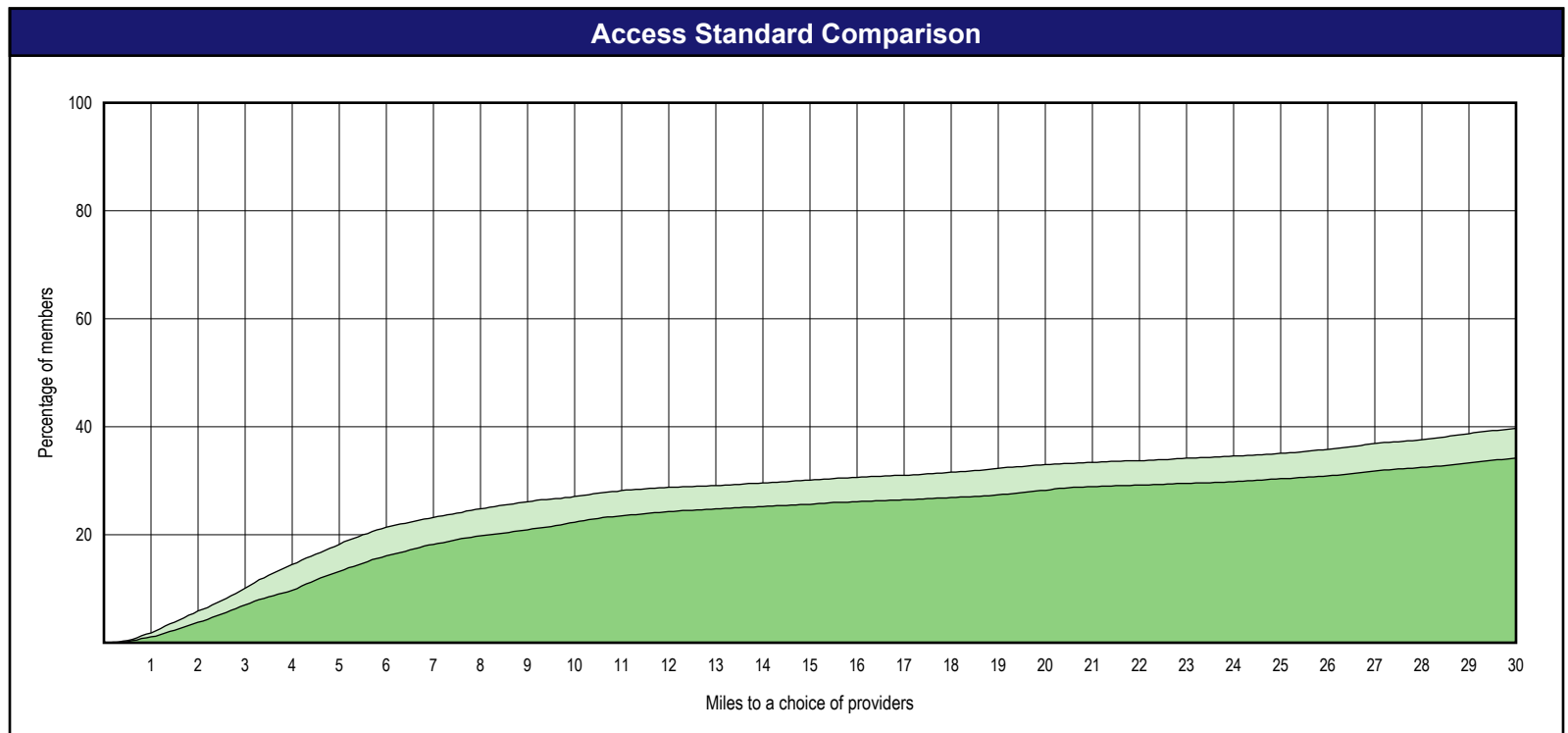
¹ The Access Standard is defined as (Hawki Members) members accessing:

1 (Hawki Endo) provider in 30 miles and 30 minutes



Distances/Times

	Average
Distance/Time to 1st closest provider	43.1 miles 53.0 mins
Distance/Time to 2nd closest provider	59.1 miles 71.0 mins



Access Overview 30 Miles

October 30, 2019

Access Analysis

Hawki

Member / Provider Groups

Hawki Members

Hawki Ortho

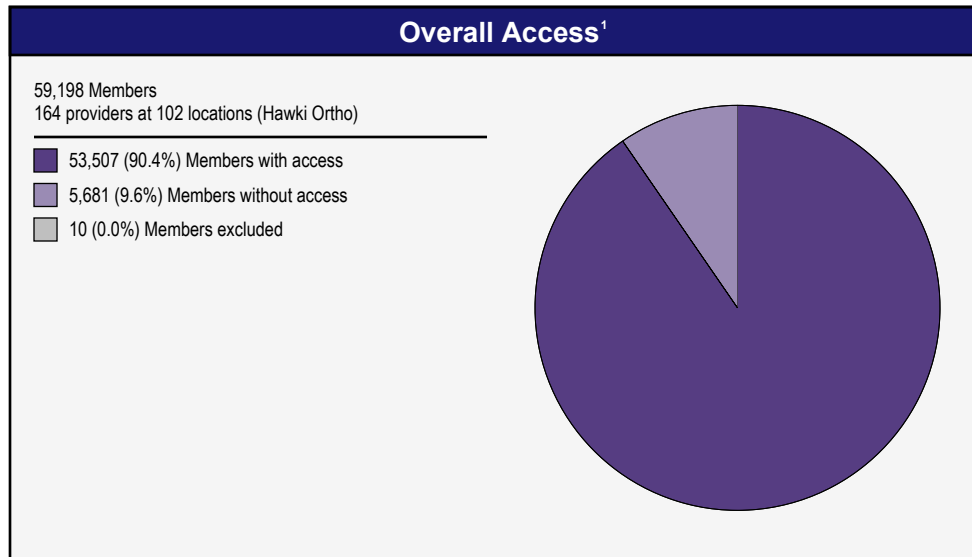
Comparison Graph

Percent of members with access to a choice of providers over miles

- 1st closest
- 2nd closest

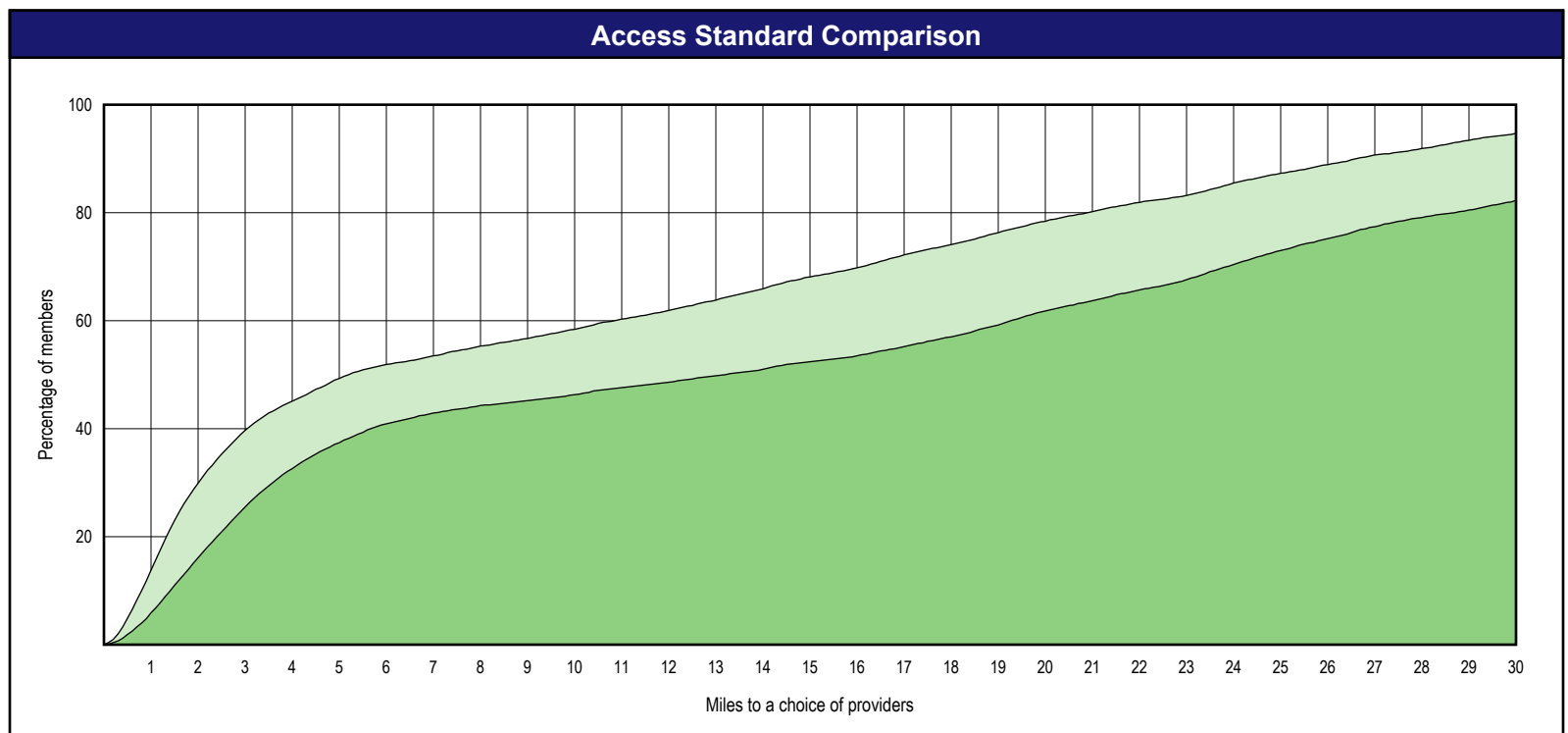
¹ The Access Standard is defined as (Hawki Members) members accessing:

1 (Hawki Ortho) provider in 30 miles and 30 minutes



Distances/Times

	Average
Distance/Time to 1st closest provider	11.1 miles 12.3 mins
Distance/Time to 2nd closest provider	16.8 miles 18.7 mins



Access Overview 30 Miles

October 30, 2019

Access Analysis

Hawki

Member / Provider Groups

Hawki Members

Hawki Perio

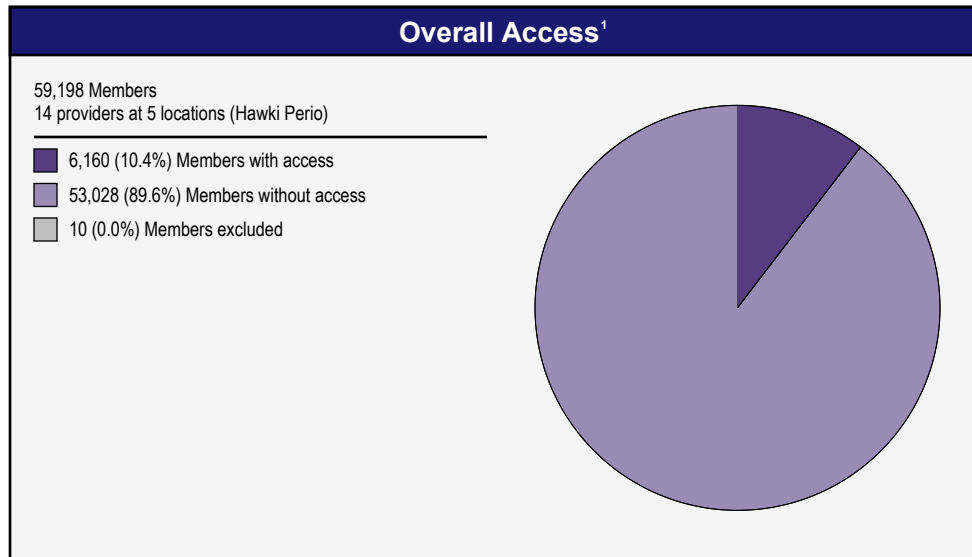
Comparison Graph

Percent of members with access to a choice of providers over miles

- 1st closest
- 2nd closest

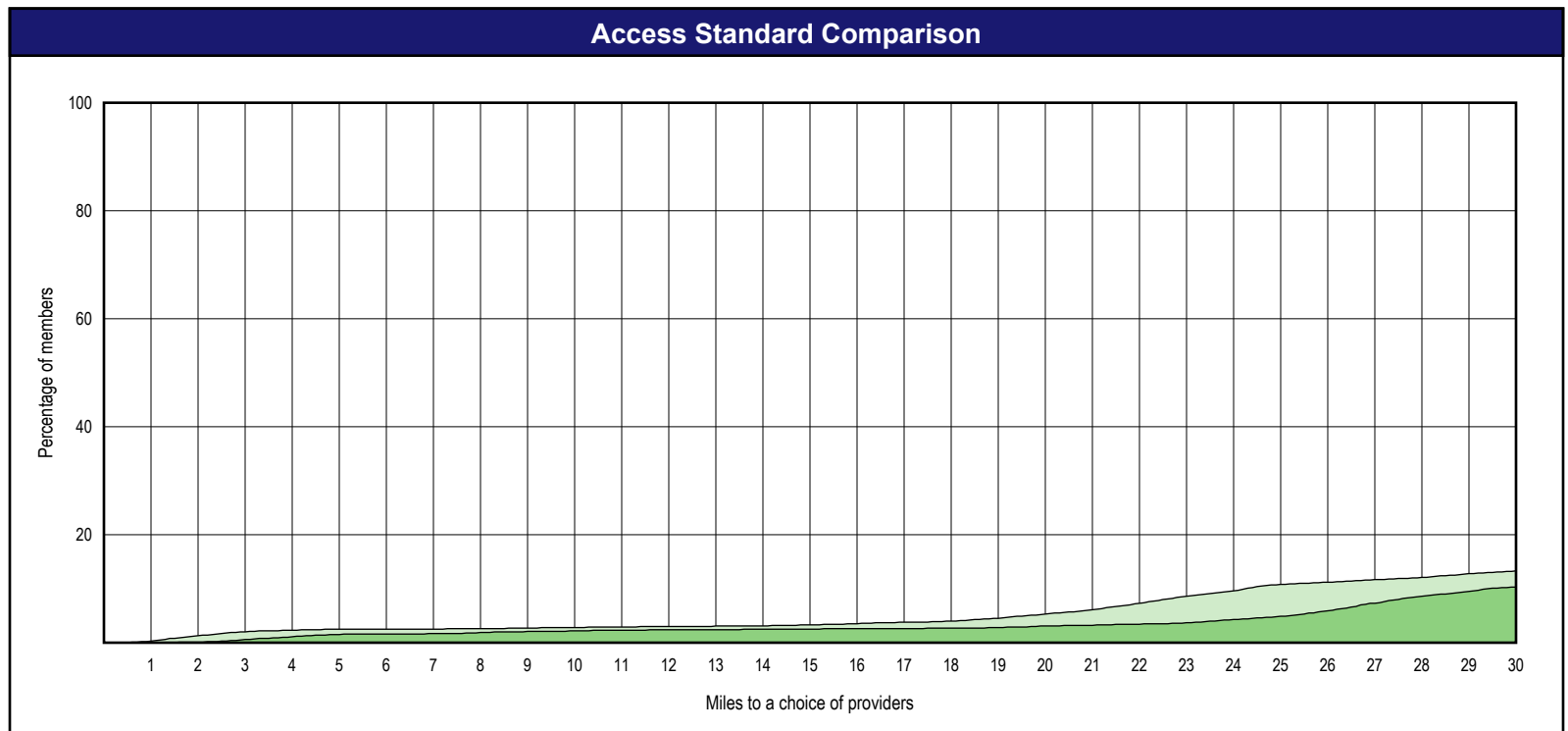
¹ The Access Standard is defined as (Hawki Members) members accessing:

1 (Hawki Perio) provider in 30 miles and 30 minutes



Distances/Times

	Average
Distance/Time to 1st closest provider	113.8 miles 133.2 mins
Distance/Time to 2nd closest provider	119.0 miles 142.9 mins



Access Overview 30 Miles

October 30, 2019

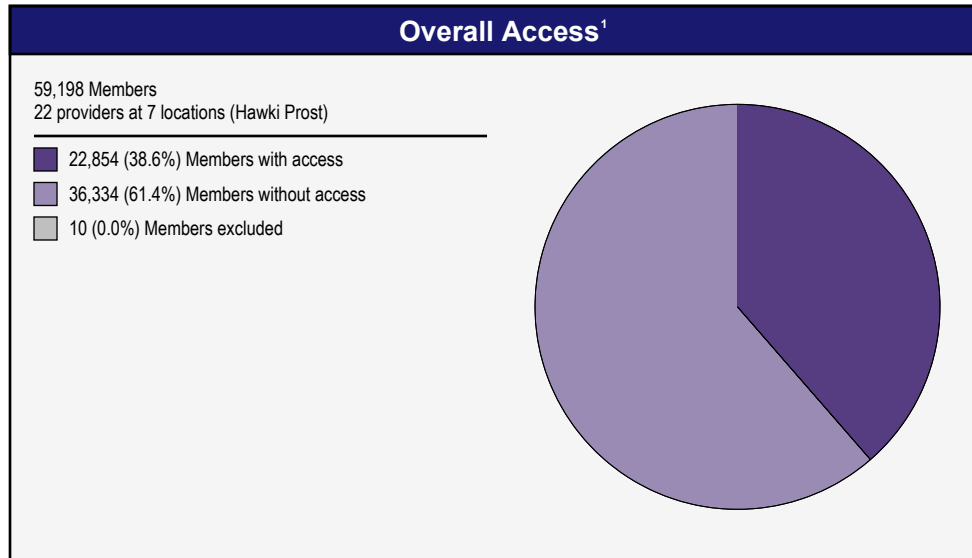
Access Analysis
Hawki

Member / Provider Groups
Hawki Members
Hawki Prost

Comparison Graph
Percent of members with access to a choice of providers over miles

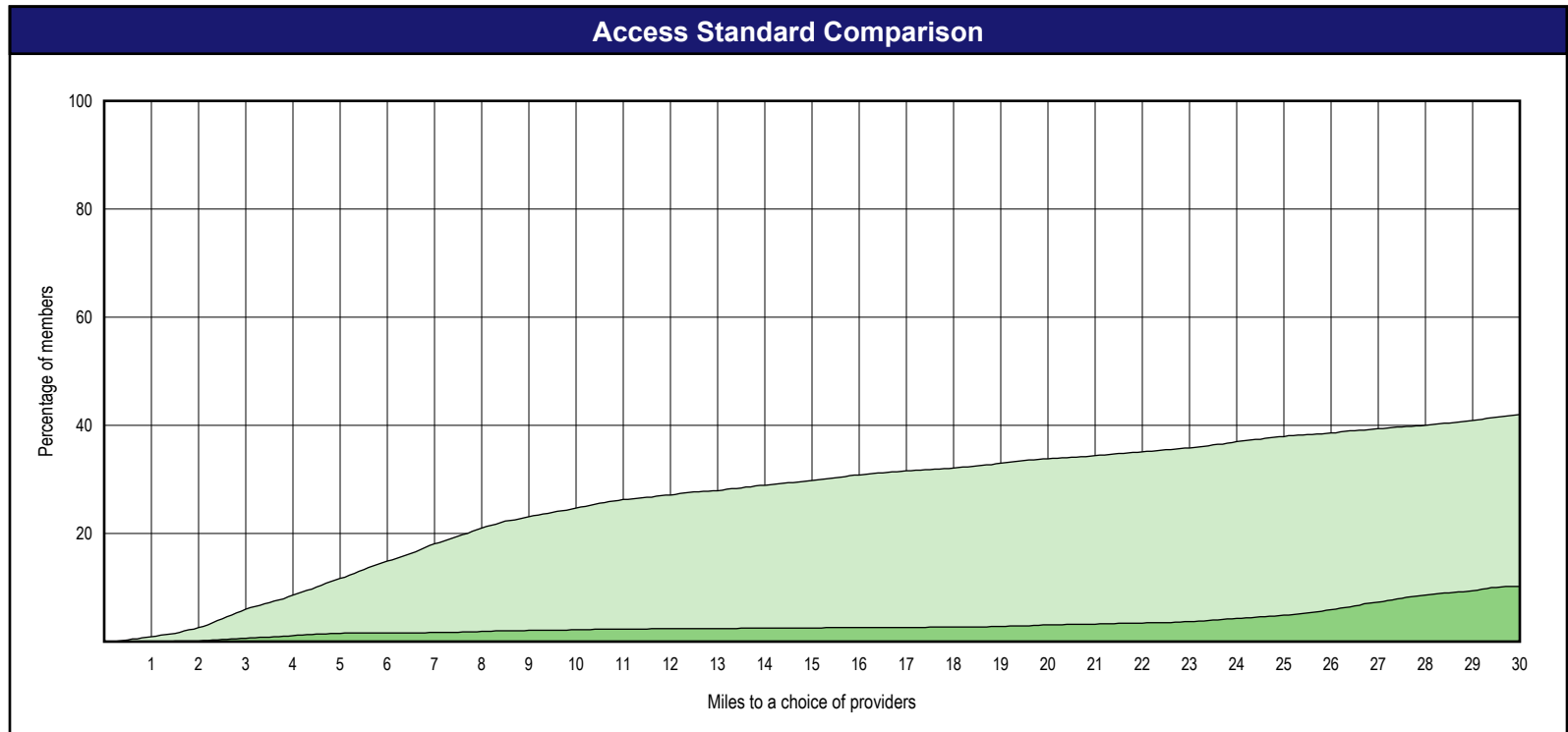
- 1st closest
- 2nd closest

¹ The Access Standard is defined as (Hawki Members) members accessing:
1 (Hawki Prost) provider in 30 miles and 30 minutes



Distances/Times

	Average
Distance/Time to 1st closest provider	47.4 miles 56.3 mins
Distance/Time to 2nd closest provider	80.2 miles 97.7 mins



Access Overview 60 Miles

October 30, 2019

Access Analysis

Hawki

Member / Provider Groups

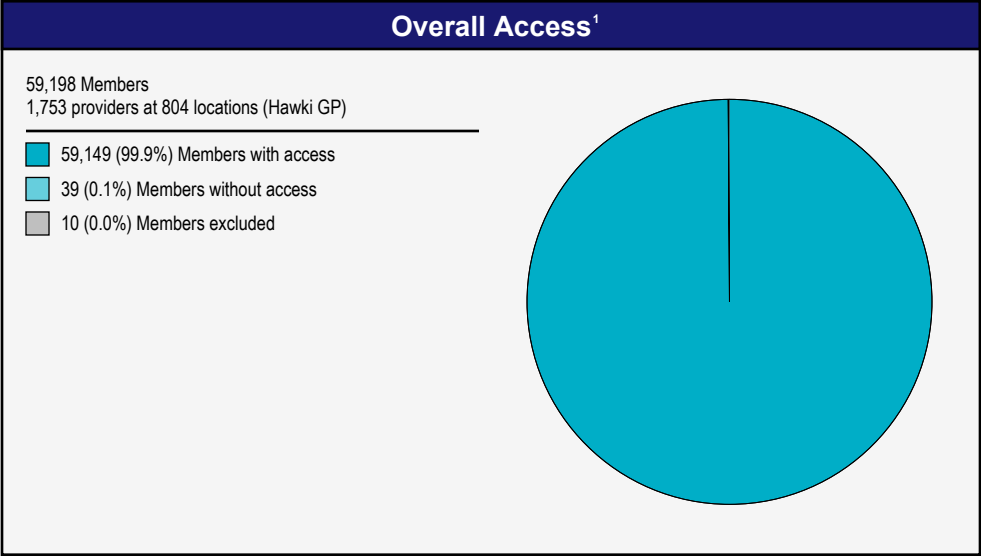
Hawki Members
Hawki GP

Comparison Graph

Percent of members with access to a choice of providers over miles

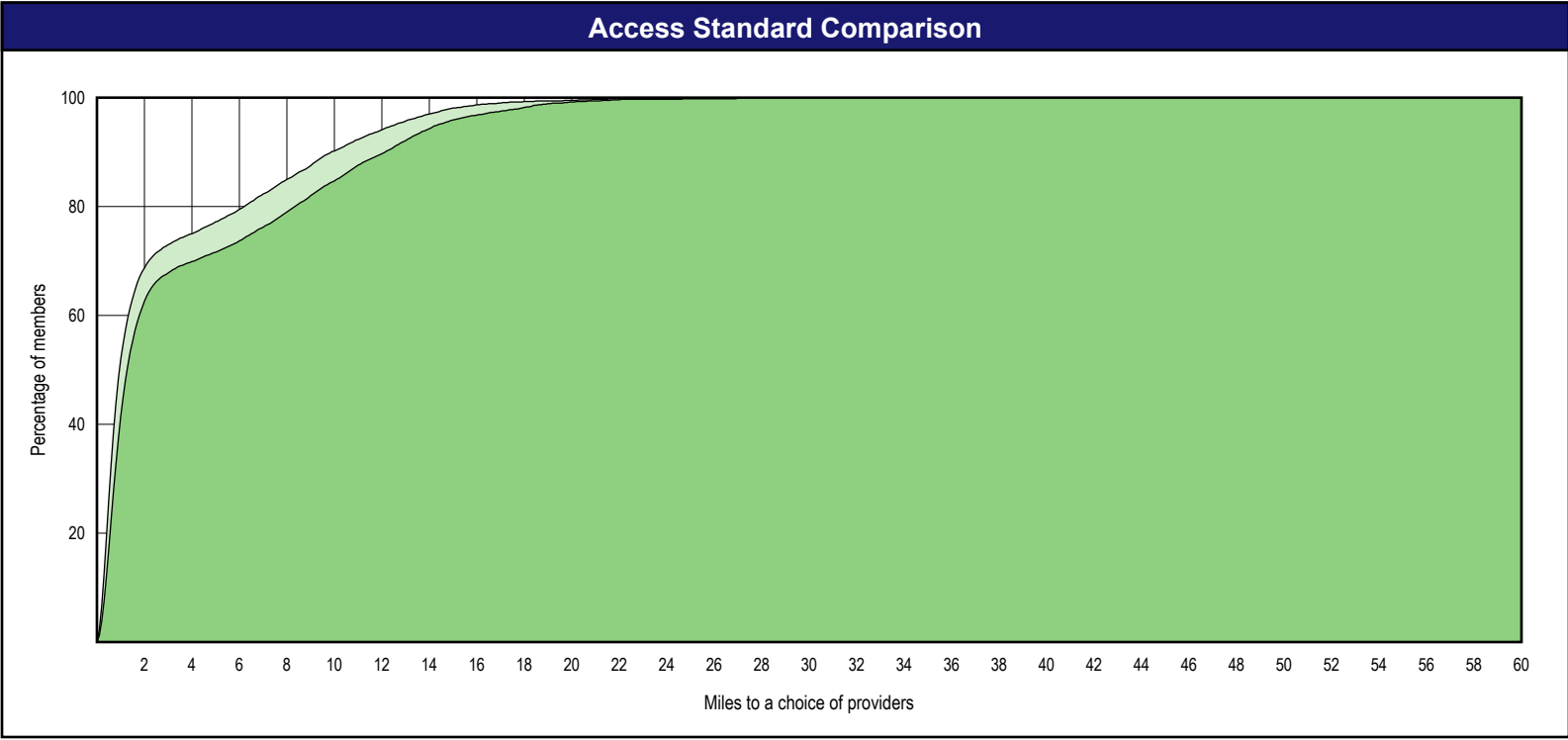
- 1st closest
- 2nd closest

¹ The Access Standard is defined as (Hawki Members) members accessing:
1 (Hawki GP) provider in 60 miles and 60 minutes



Distances/Times

	Average
Distance/Time to 1st closest provider	3.5 miles 3.9 mins
Distance/Time to 2nd closest provider	4.3 miles 4.8 mins



Access Overview 60 Miles

October 30, 2019

Access Analysis

Hawki

Member / Provider Groups

Hawki Members

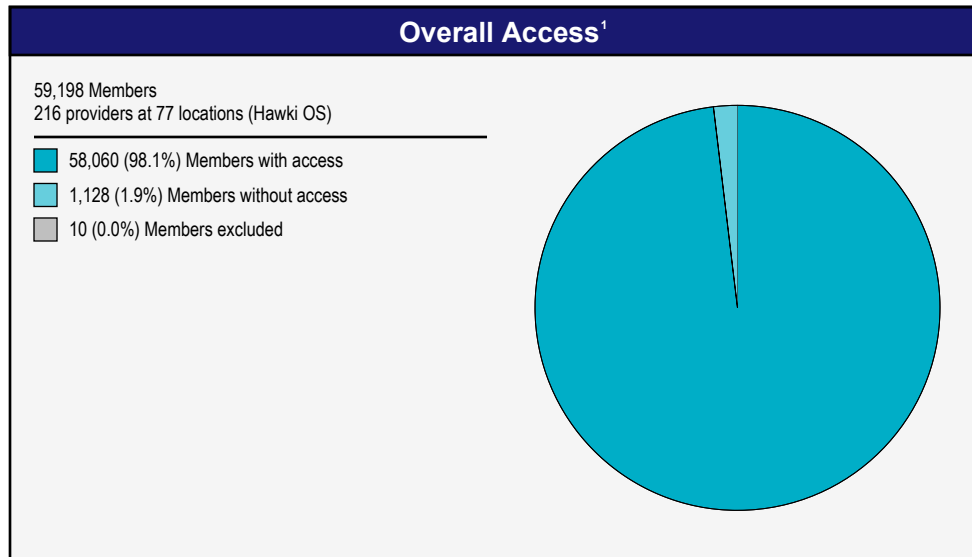
Hawki OS

Comparison Graph

Percent of members with access to a choice of providers over miles

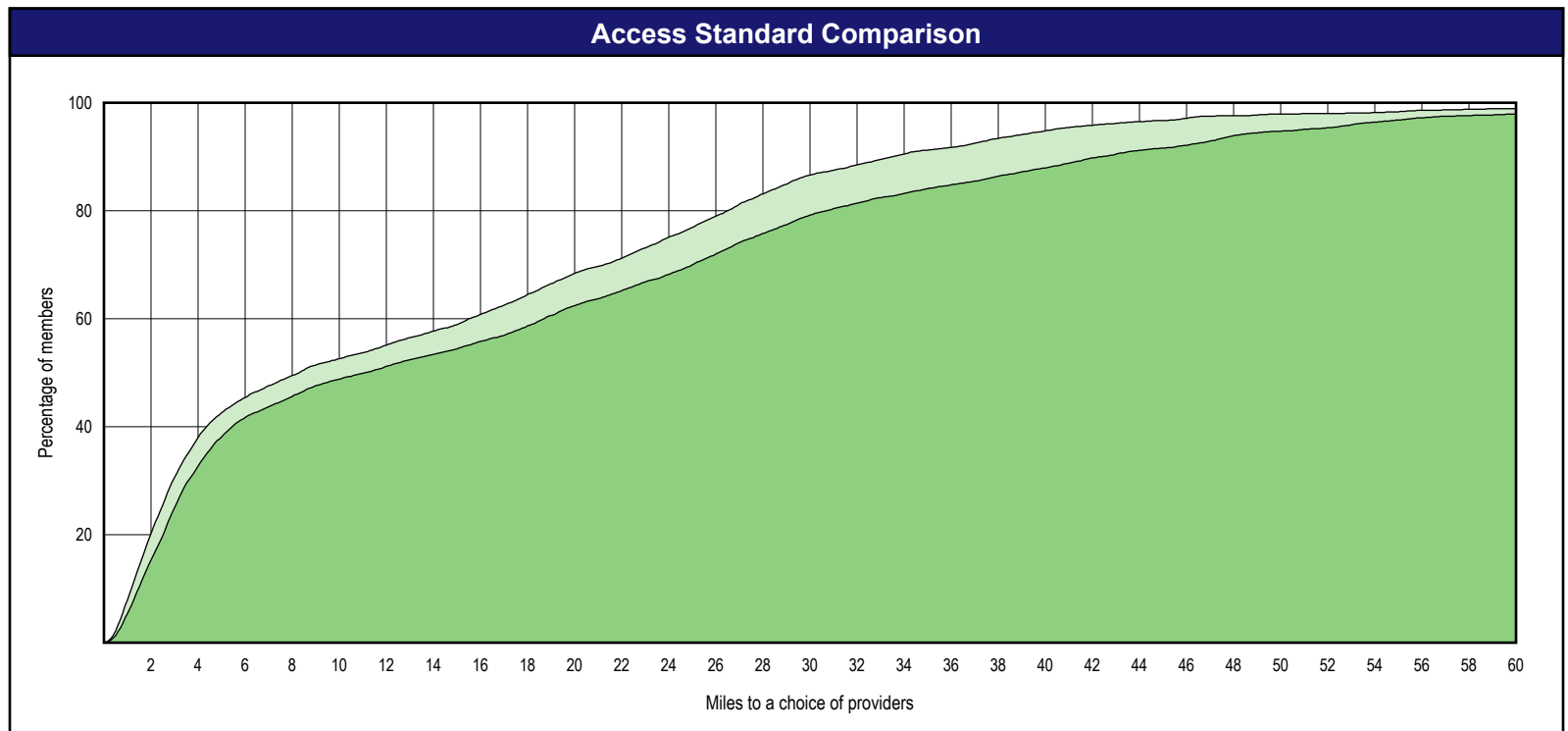
- 1st closest
- 2nd closest

¹ The Access Standard is defined as (Hawki Members) members accessing:
1 (Hawki OS) provider in 60 miles and 60 minutes



Distances/Times

	Average
Distance/Time to 1st closest provider	14.6 miles 16.6 mins
Distance/Time to 2nd closest provider	17.7 miles 19.9 mins



Access Overview 60 Miles

October 30, 2019

Access Analysis

Hawki

Member / Provider Groups

Hawki Members

Hawki Endo

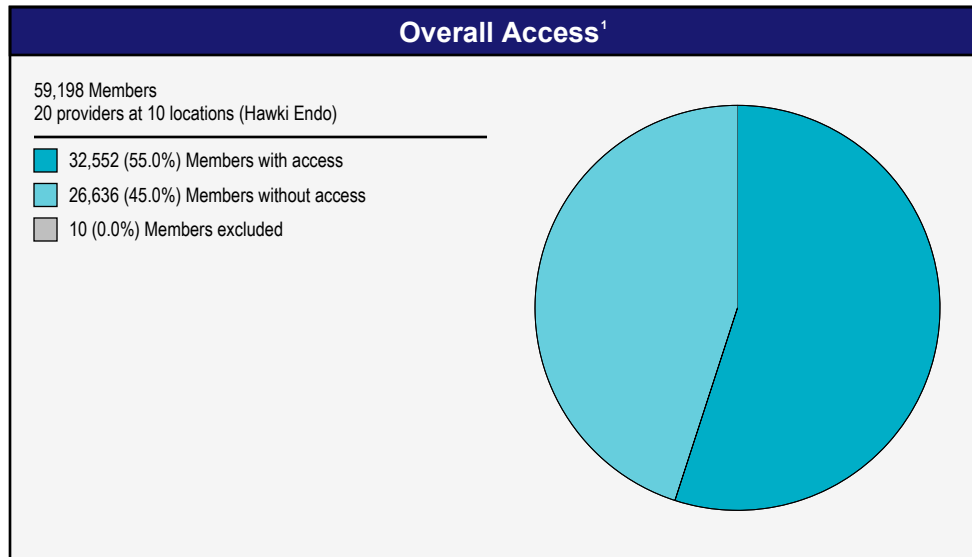
Comparison Graph

Percent of members with access to a choice of providers over miles

- 1st closest
- 2nd closest

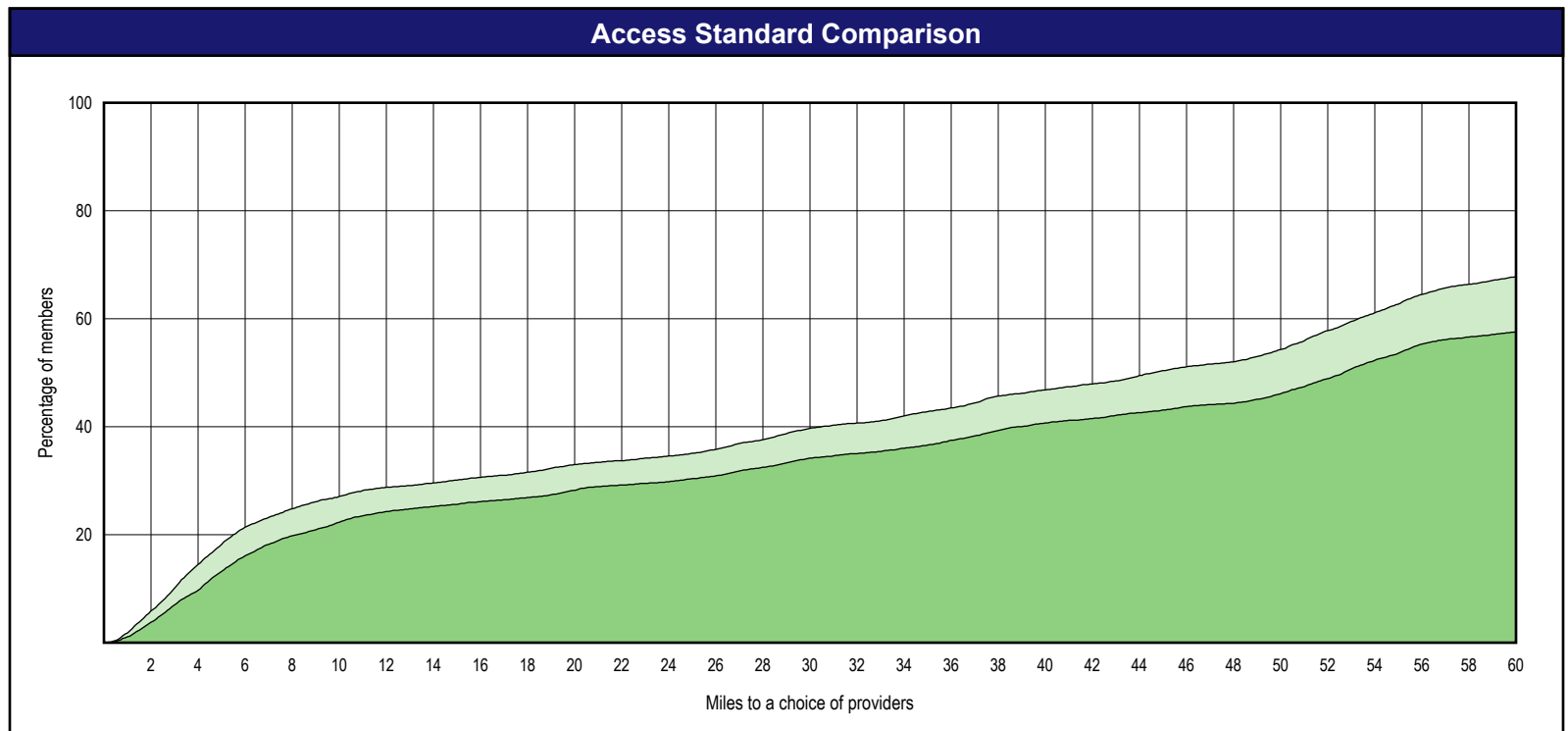
¹ The Access Standard is defined as (Hawki Members) members accessing:

1 (Hawki Endo) provider in 60 miles and 60 minutes



Distances/Times

	Average
Distance/Time to 1st closest provider	43.1 miles 53.0 mins
Distance/Time to 2nd closest provider	59.1 miles 71.0 mins



Access Overview 60 Miles

October 30, 2019

Access Analysis

Hawki

Member / Provider Groups

Hawki Members

Hawki Ortho

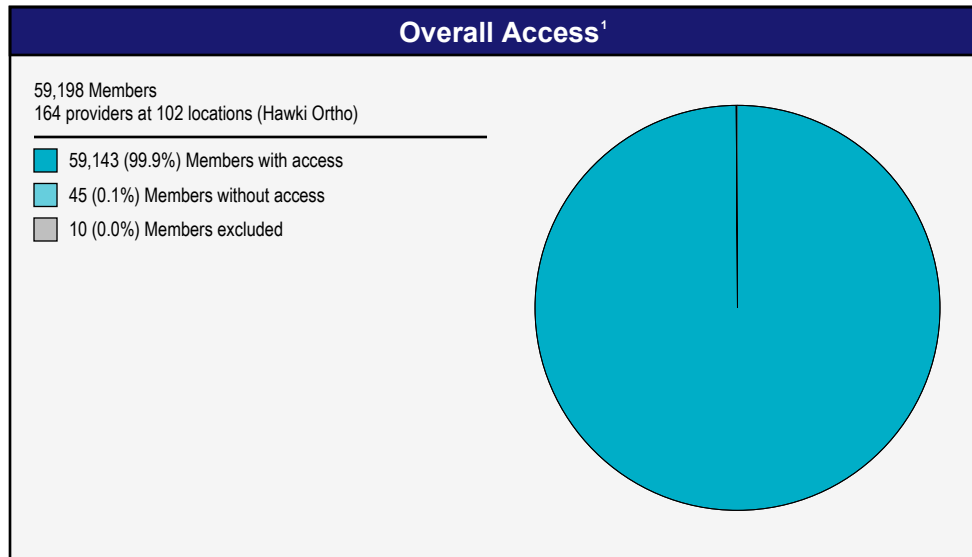
Comparison Graph

Percent of members with access to a choice of providers over miles

- 1st closest
- 2nd closest

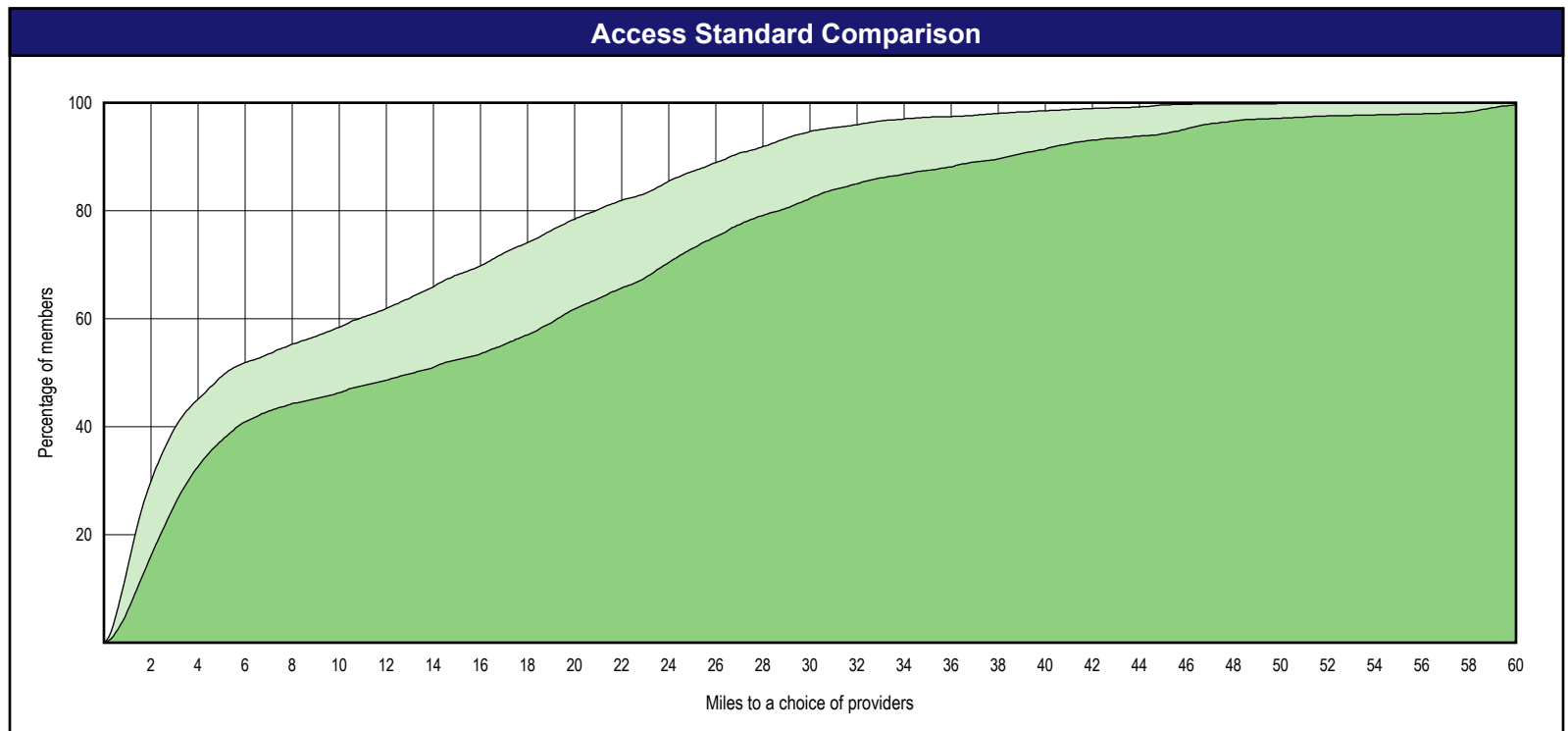
¹ The Access Standard is defined as (Hawki Members) members accessing:

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Distances/Times

	Average
Distance/Time to 1st closest provider	11.1 miles 12.3 mins
Distance/Time to 2nd closest provider	16.8 miles 18.7 mins



Access Overview 60 Miles

October 30, 2019

Access Analysis

Hawki

Member / Provider Groups

Hawki Members

Hawki Perio

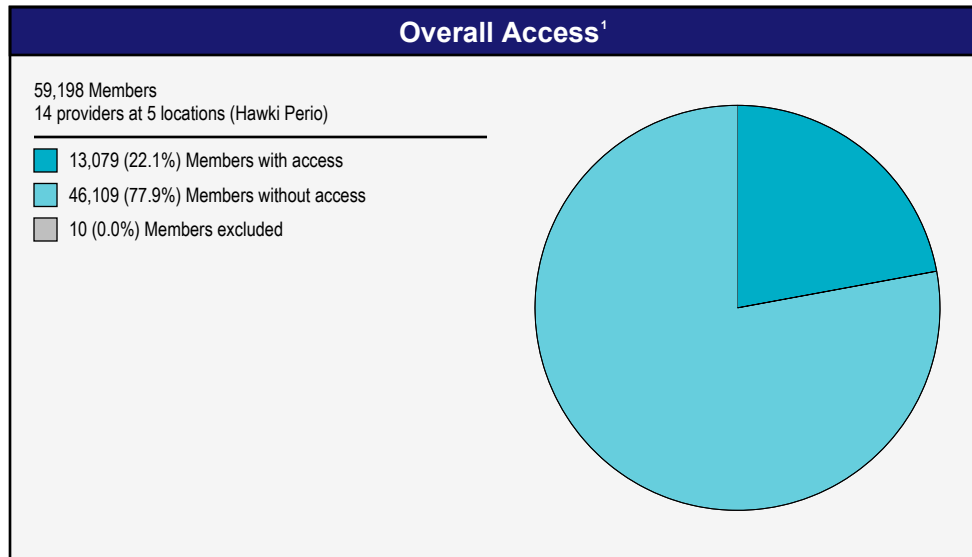
Comparison Graph

Percent of members with access to a choice of providers over miles

- 1st closest
- 2nd closest

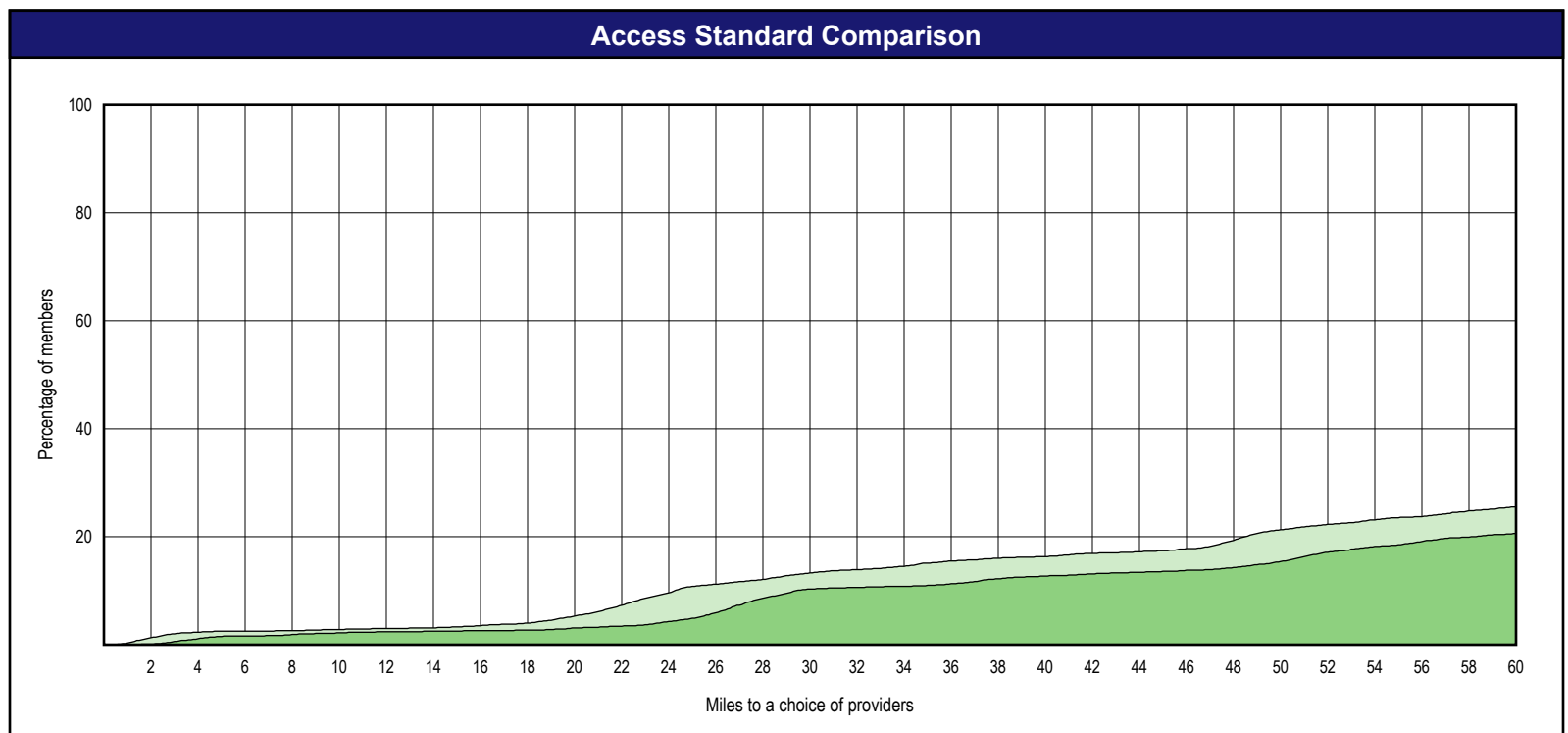
¹ The Access Standard is defined as (Hawki Members) members accessing:

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Distances/Times

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Access Overview 60 Miles

October 30, 2019

Access Analysis

Hawki

Member / Provider Groups

Hawki Members

Hawki Prost

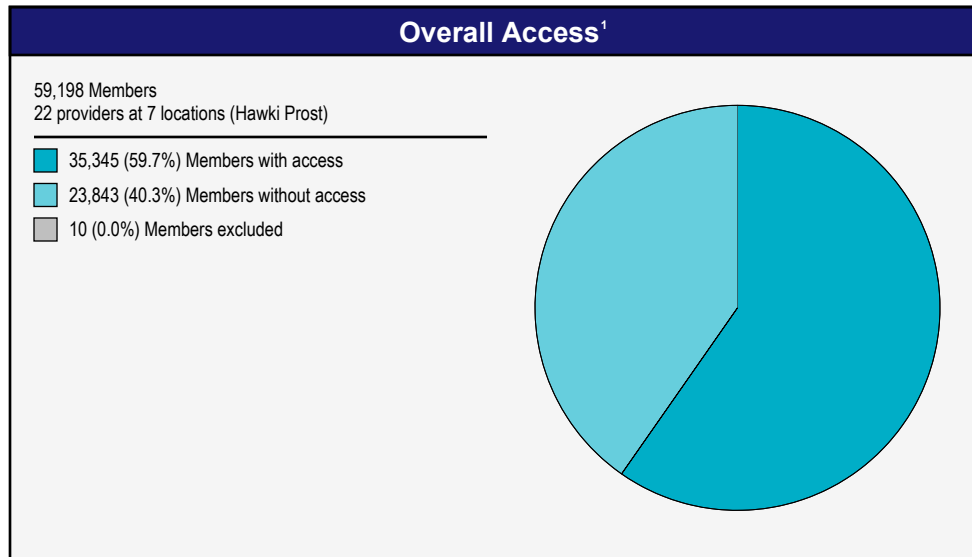
Comparison Graph

Percent of members with access to a choice of providers over miles

- 1st closest
- 2nd closest

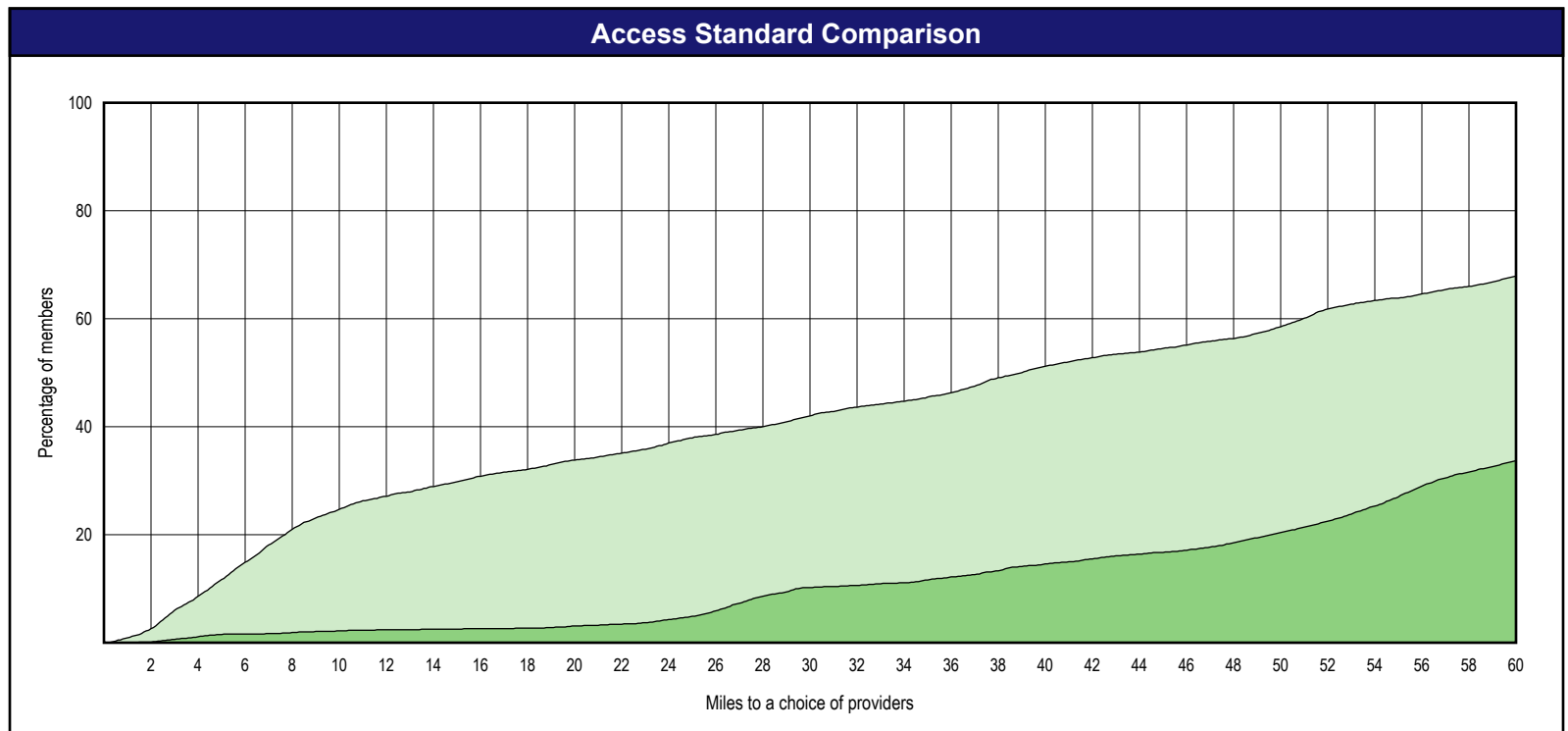
¹ The Access Standard is defined as (Hawki Members) members accessing:

1 (Hawki Prost) provider in 60 miles and 60 minutes



Distances/Times

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Distance/Time to 1st closest provider	47.4 miles 56.3 mins
Distance/Time to 2nd closest provider	80.2 miles 97.7 mins



Access Overview 90 Miles

October 30, 2019

Access Analysis

Hawki

Member / Provider Groups

Hawki Members

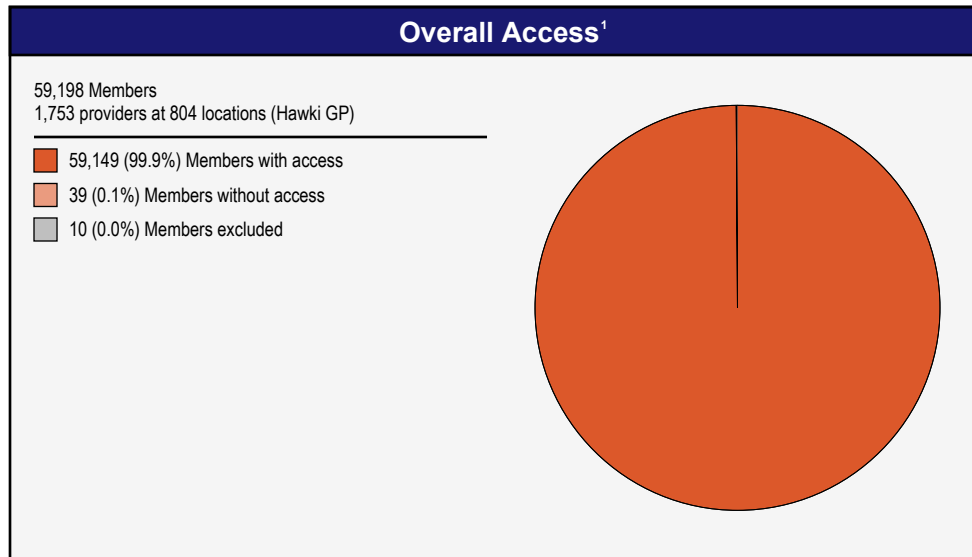
Hawki GP

Comparison Graph

Percent of members with access to a choice of providers over miles

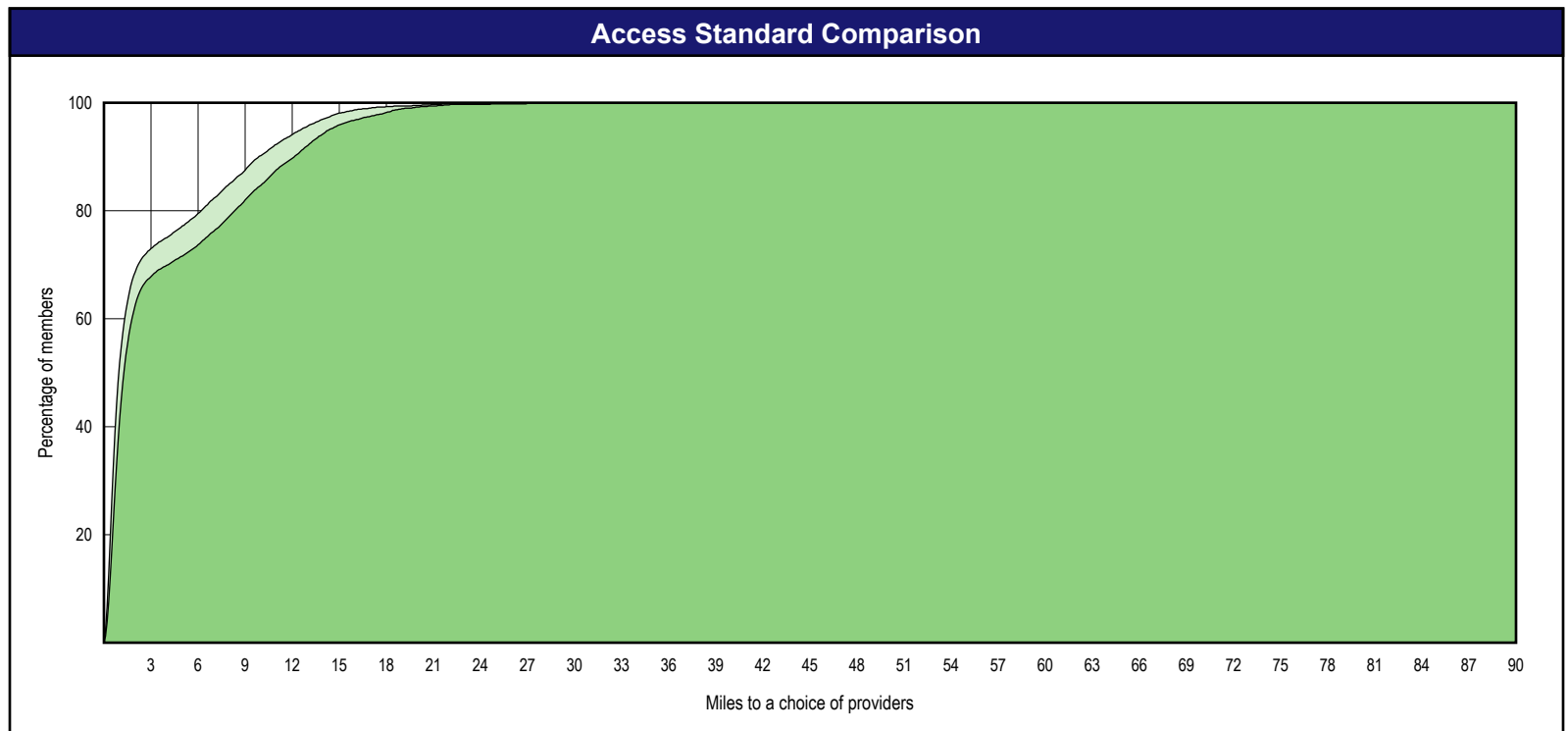
- 1st closest
- 2nd closest

¹ The Access Standard is defined as (Hawki Members) members accessing:
1 (Hawki GP) provider in 90 miles and 90 minutes



Distances/Times

	Average
Distance/Time to 1st closest provider	3.5 miles 3.9 mins
Distance/Time to 2nd closest provider	4.3 miles 4.8 mins



Access Overview 90 Miles

October 30, 2019

Access Analysis

Hawki

Member / Provider Groups

Hawki Members

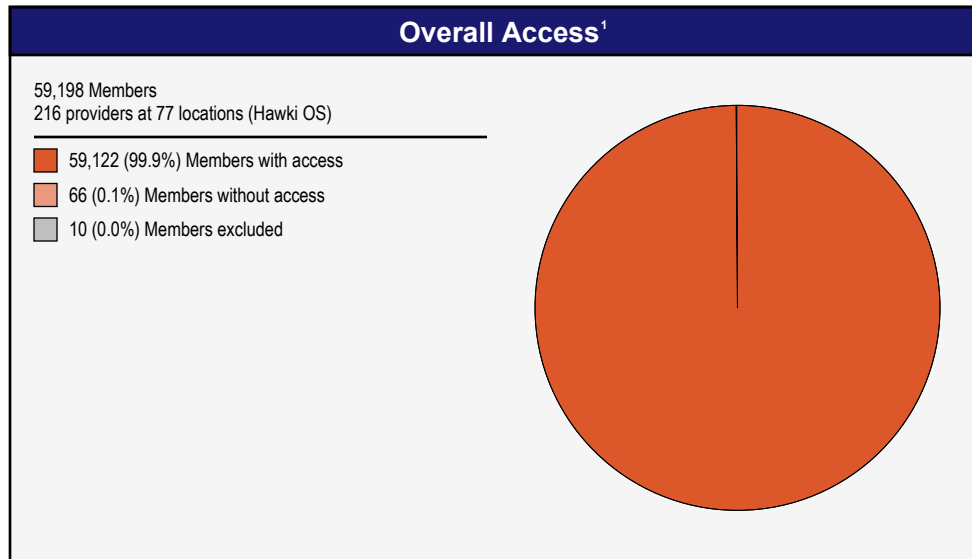
Hawki OS

Comparison Graph

Percent of members with access to a choice of providers over miles

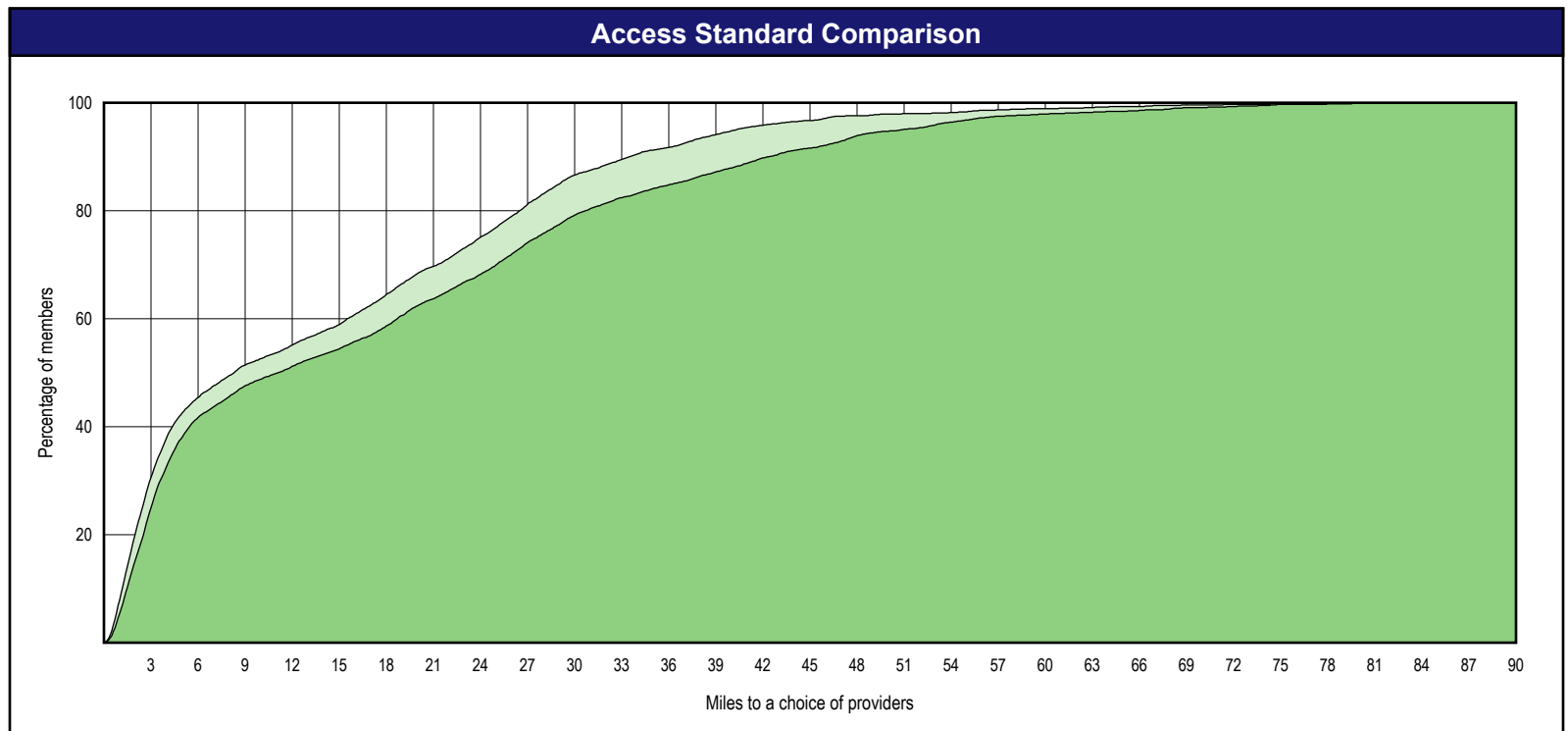
- 1st closest
- 2nd closest

¹ The Access Standard is defined as (Hawki Members) members accessing:
1 (Hawki OS) provider in 90 miles and 90 minutes



Distances/Times

	Average
Distance/Time to 1st closest provider	14.6 miles 16.6 mins
Distance/Time to 2nd closest provider	17.7 miles 19.9 mins



Access Overview 90 Miles

October 30, 2019

Access Analysis

Hawki

Member / Provider Groups

Hawki Members

Hawki Endo

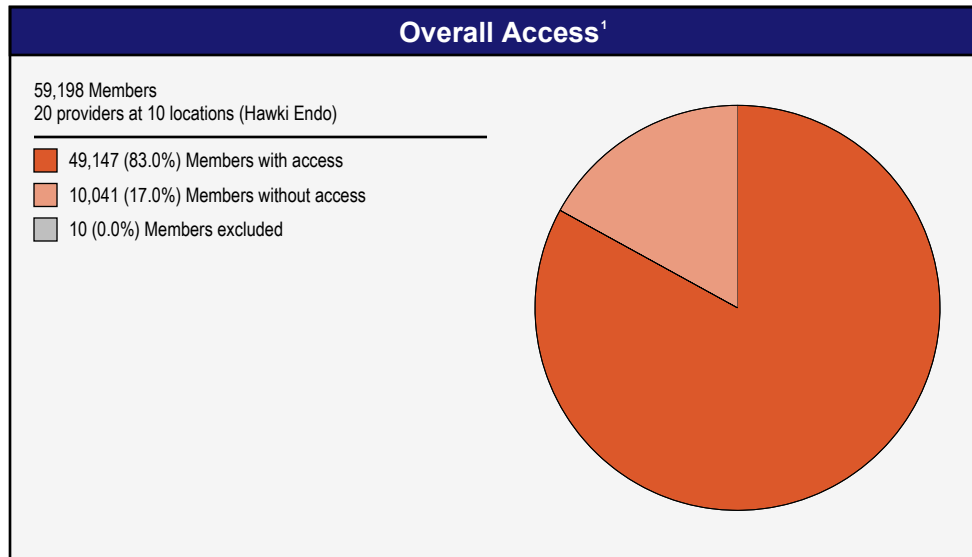
Comparison Graph

Percent of members with access to a choice of providers over miles

- 1st closest
- 2nd closest

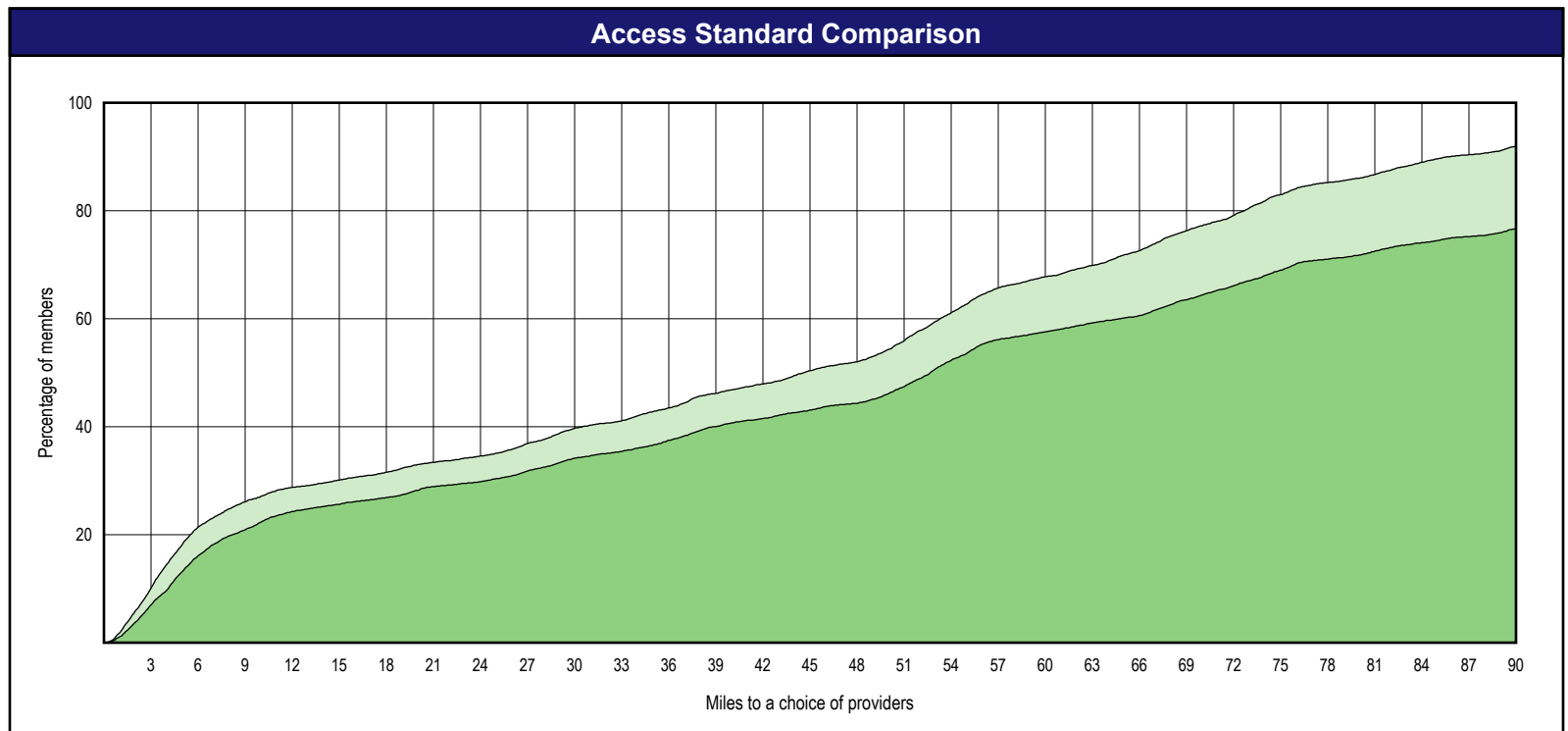
¹ The Access Standard is defined as (Hawki Members) members accessing:

1 (Hawki Endo) provider in 90 miles and 90 minutes



Distances/Times

	Average
Distance/Time to 1st closest provider	43.1 miles 53.0 mins
Distance/Time to 2nd closest provider	59.1 miles 71.0 mins



Access Overview 90 Miles

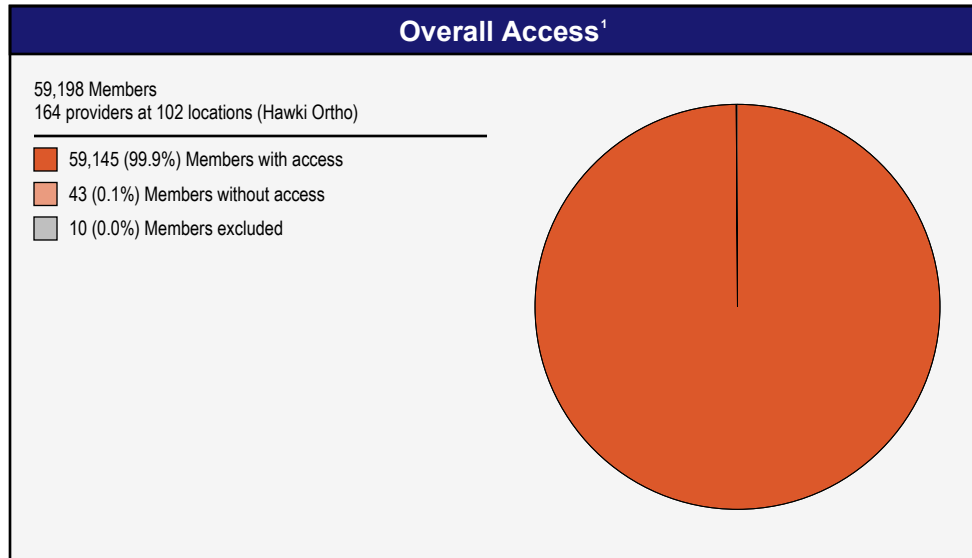
October 30, 2019

Access Analysis
Hawki

Member / Provider Groups
Hawki Members
Hawki Ortho

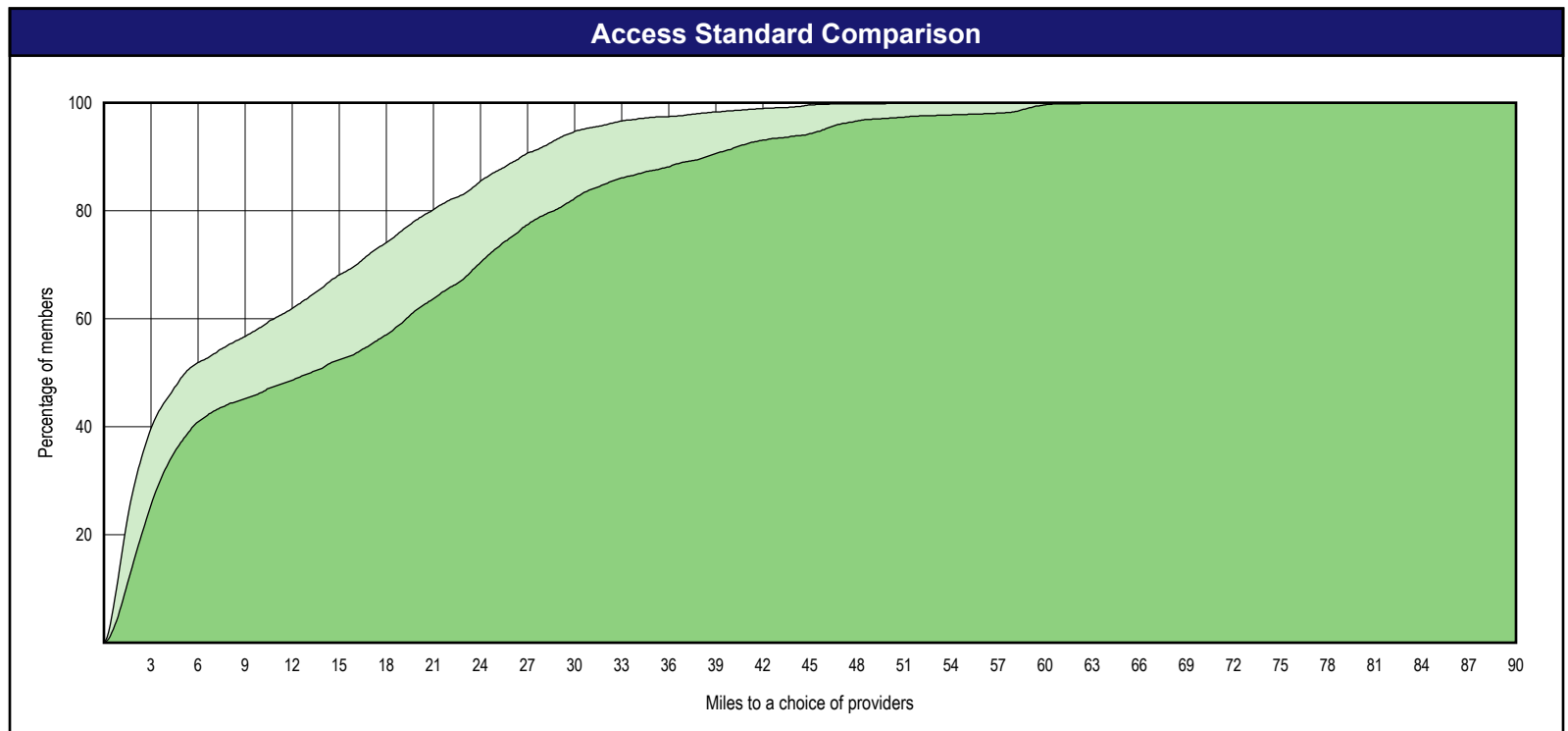
Comparison Graph
Percent of members with access to a choice of providers over miles
■ 1st closest
■ 2nd closest

¹ The Access Standard is defined as (Hawki Members) members accessing:
1 (Hawki Ortho) provider in 90 miles and 90 minutes



Distances/Times

	Average
Distance/Time to 1st closest provider	11.1 miles 12.3 mins
Distance/Time to 2nd closest provider	16.8 miles 18.7 mins



Access Overview 90 Miles

October 30, 2019

Access Analysis

Hawki

Member / Provider Groups

Hawki Members

Hawki Perio

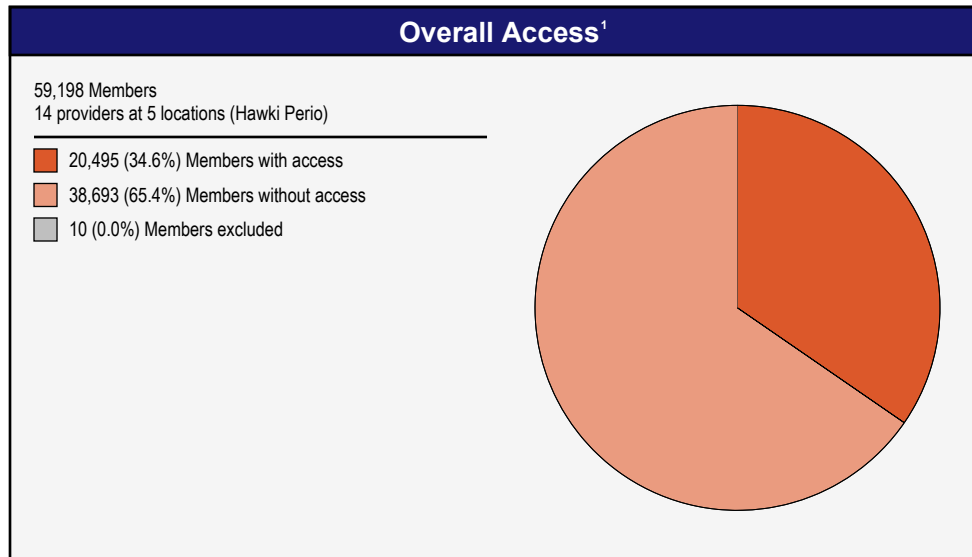
Comparison Graph

Percent of members with access to a choice of providers over miles

- 1st closest
- 2nd closest

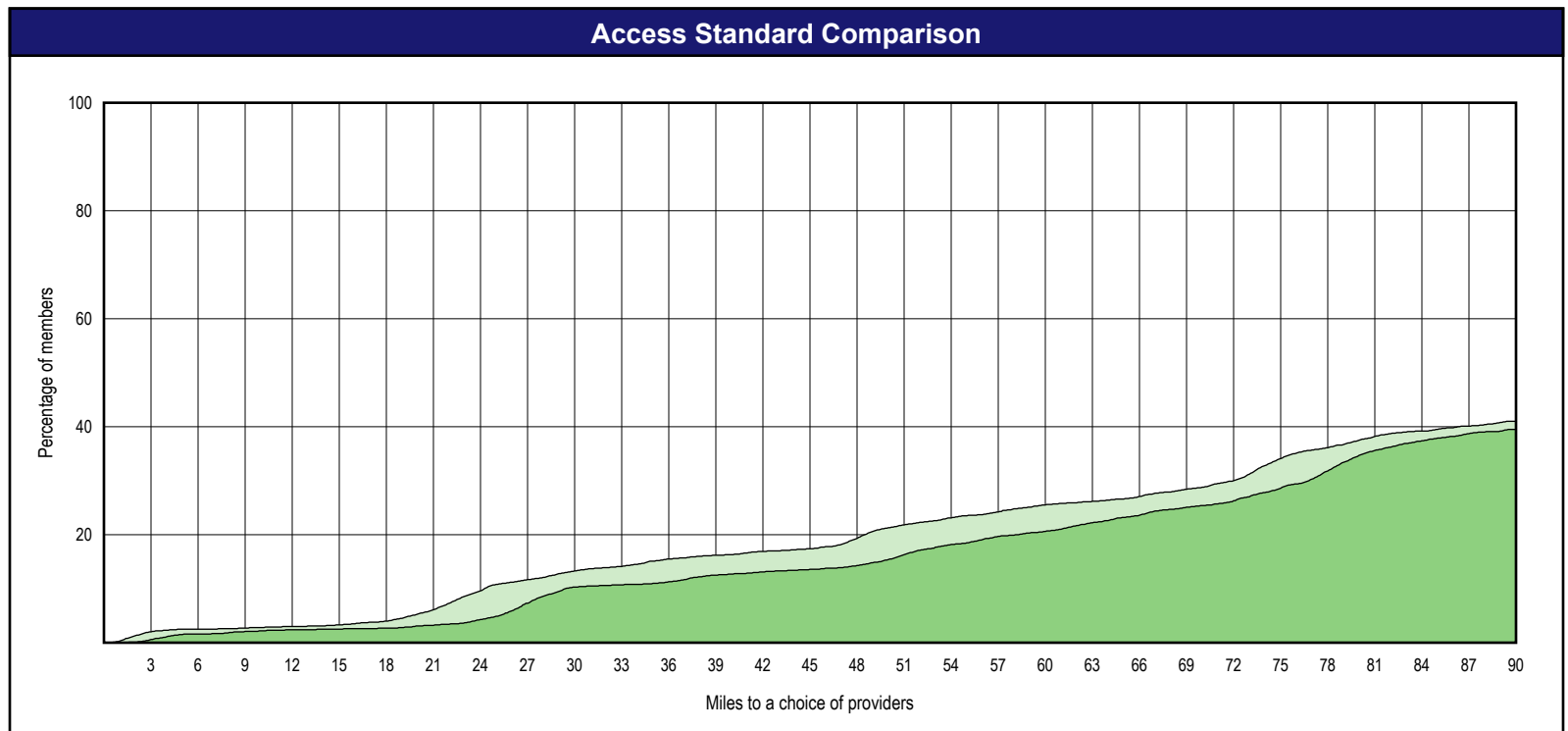
¹ The Access Standard is defined as (Hawki Members) members accessing:

1 (Hawki Perio) provider in 90 miles and 90 minutes



Distances/Times

	Average
Distance/Time to 1st closest provider	113.8 miles 133.2 mins
Distance/Time to 2nd closest provider	119.0 miles 142.9 mins



Access Overview 90 Miles

October 30, 2019

Access Analysis

Hawki

Member / Provider Groups

Hawki Members

Hawki Prost

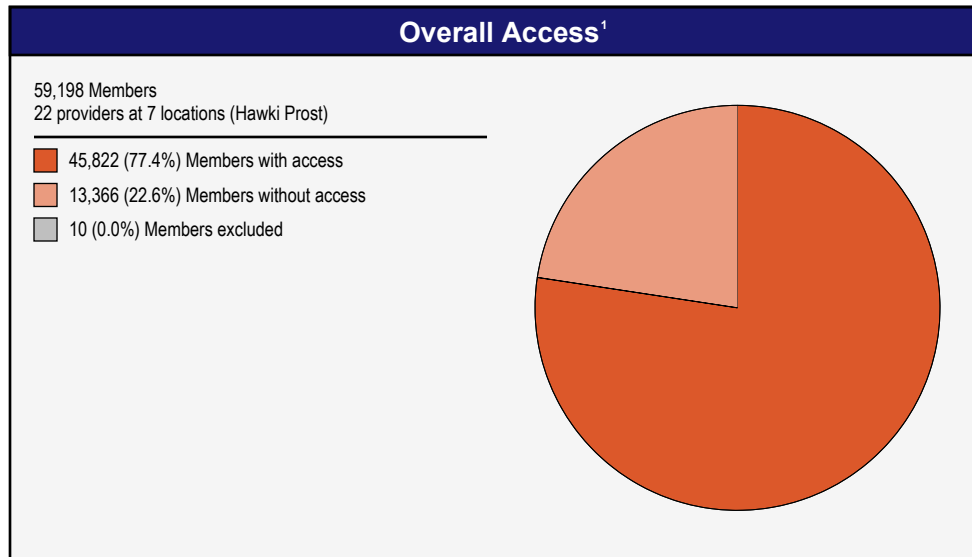
Comparison Graph

Percent of members with access to a choice of providers over miles

- 1st closest
- 2nd closest

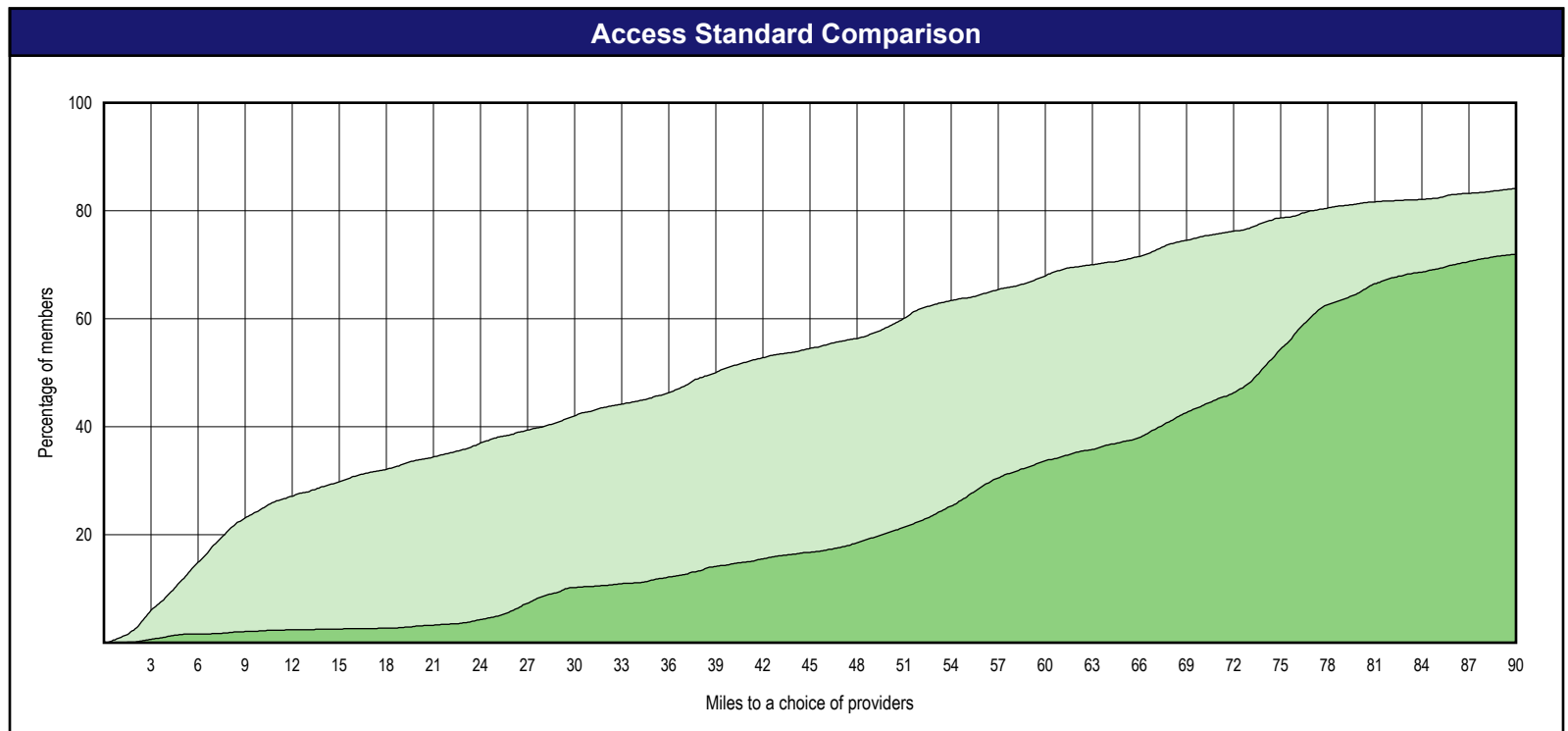
¹ The Access Standard is defined as (Hawki Members) members accessing:

1 (Hawki Prost) provider in 90 miles and 90 minutes



Distances/Times

	Average
Distance/Time to 1st closest provider	47.4 miles 56.3 mins
Distance/Time to 2nd closest provider	80.2 miles 97.7 mins



Hawki GP Access Map

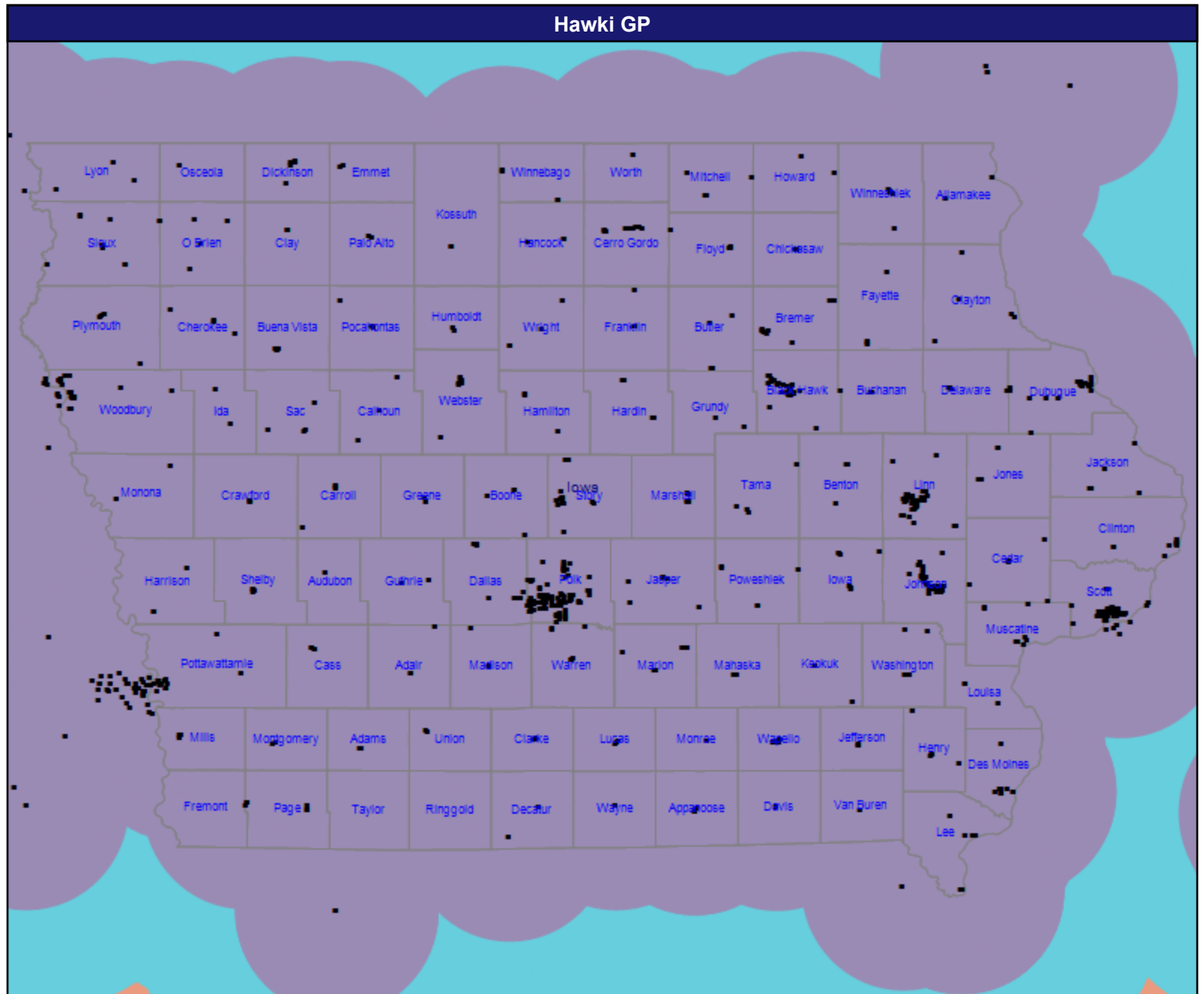
October 30, 2019

Hawki GP

1,753 providers at 804 locations

- All providers
- 30 mile radius
- 60 mile radius
- 90 mile radius

41.42 miles



Hawki Oral Surgeon Access Map

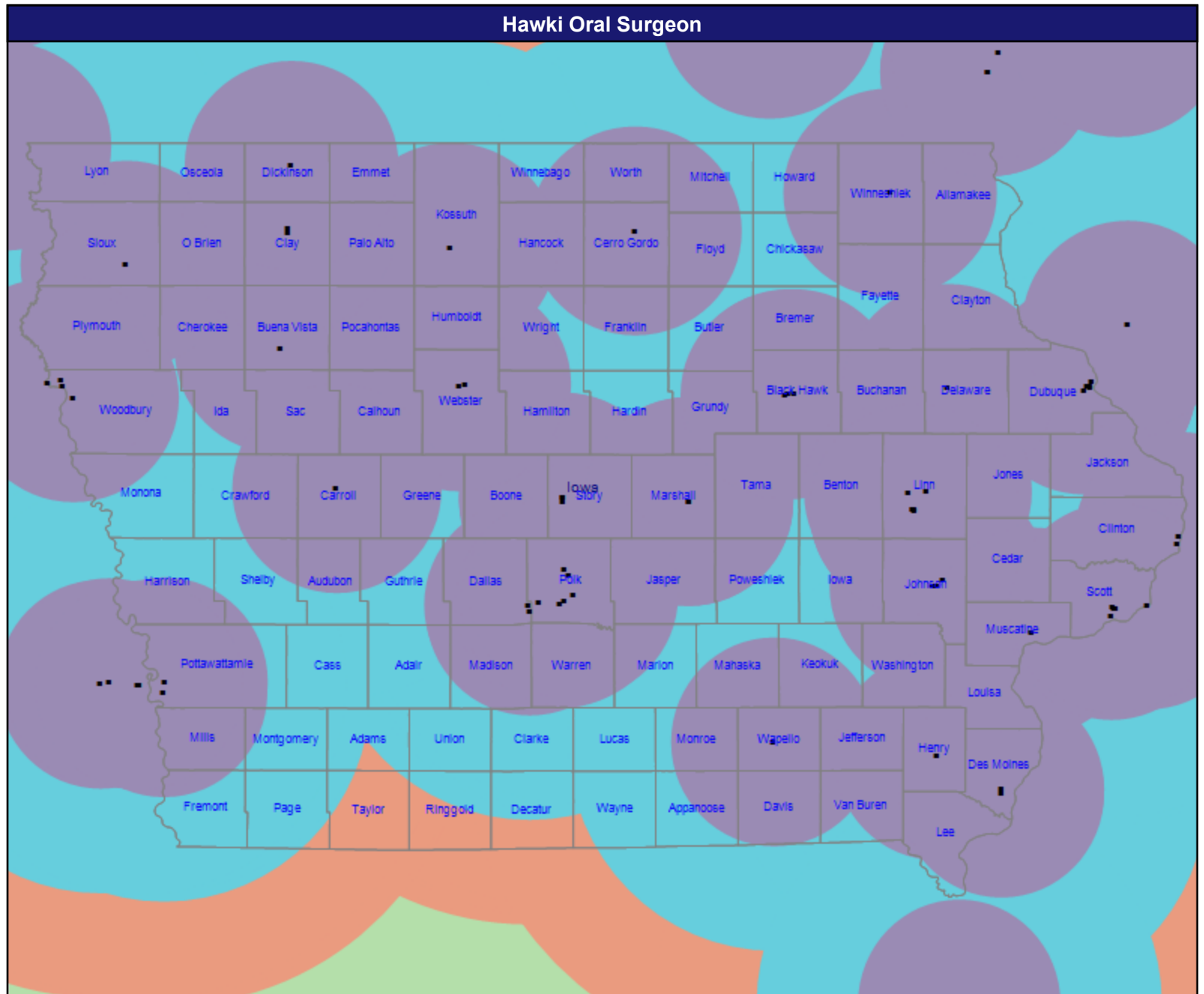
October 30, 2019

Hawki OS

216 providers at 77 locations

- All providers
- 30 mile radius
- 60 mile radius
- 90 mile radius

41.42 miles



Hawki Endodontist Access Map

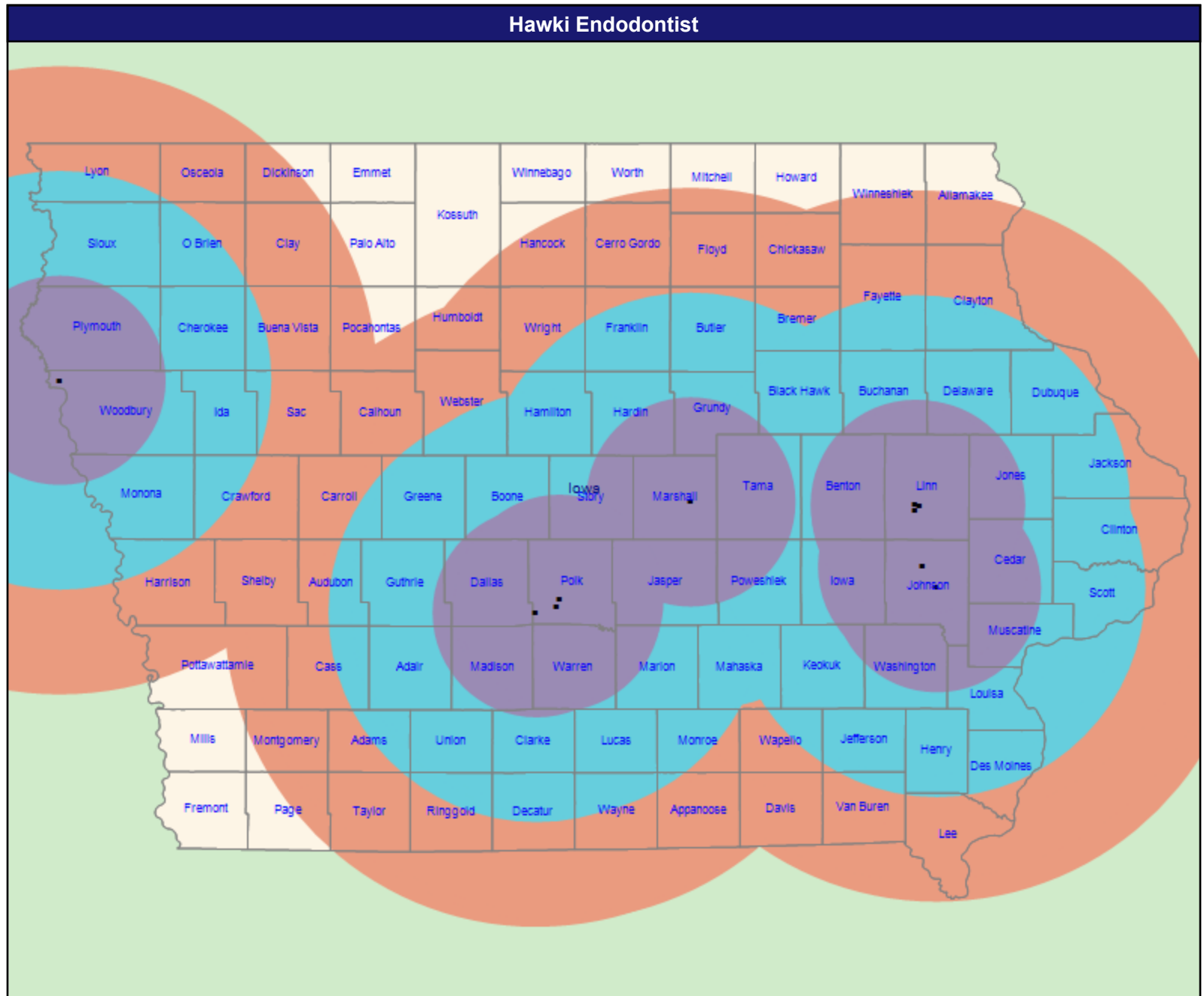
October 30, 2019

Hawki Endo

20 providers at 10 locations

- All providers
- 30 mile radius
- 60 mile radius
- 90 mile radius

41.42 miles



Hawki Orthodontist Access Map

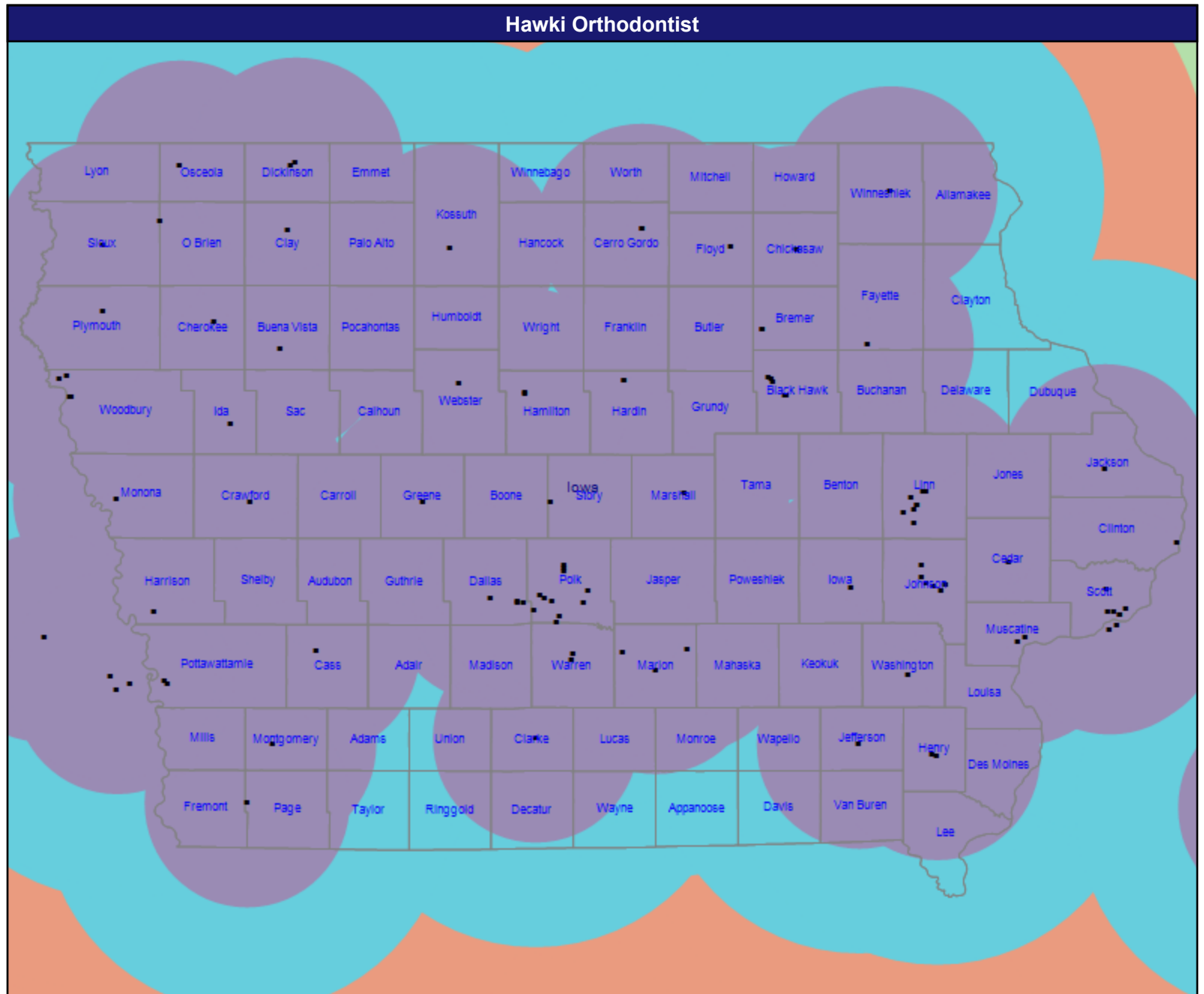
October 30, 2019

Hawki Ortho

164 providers at 102 locations

- All providers
- 30 mile radius
- 60 mile radius
- 90 mile radius

41.42 miles



Hawki Periodontist Access Map

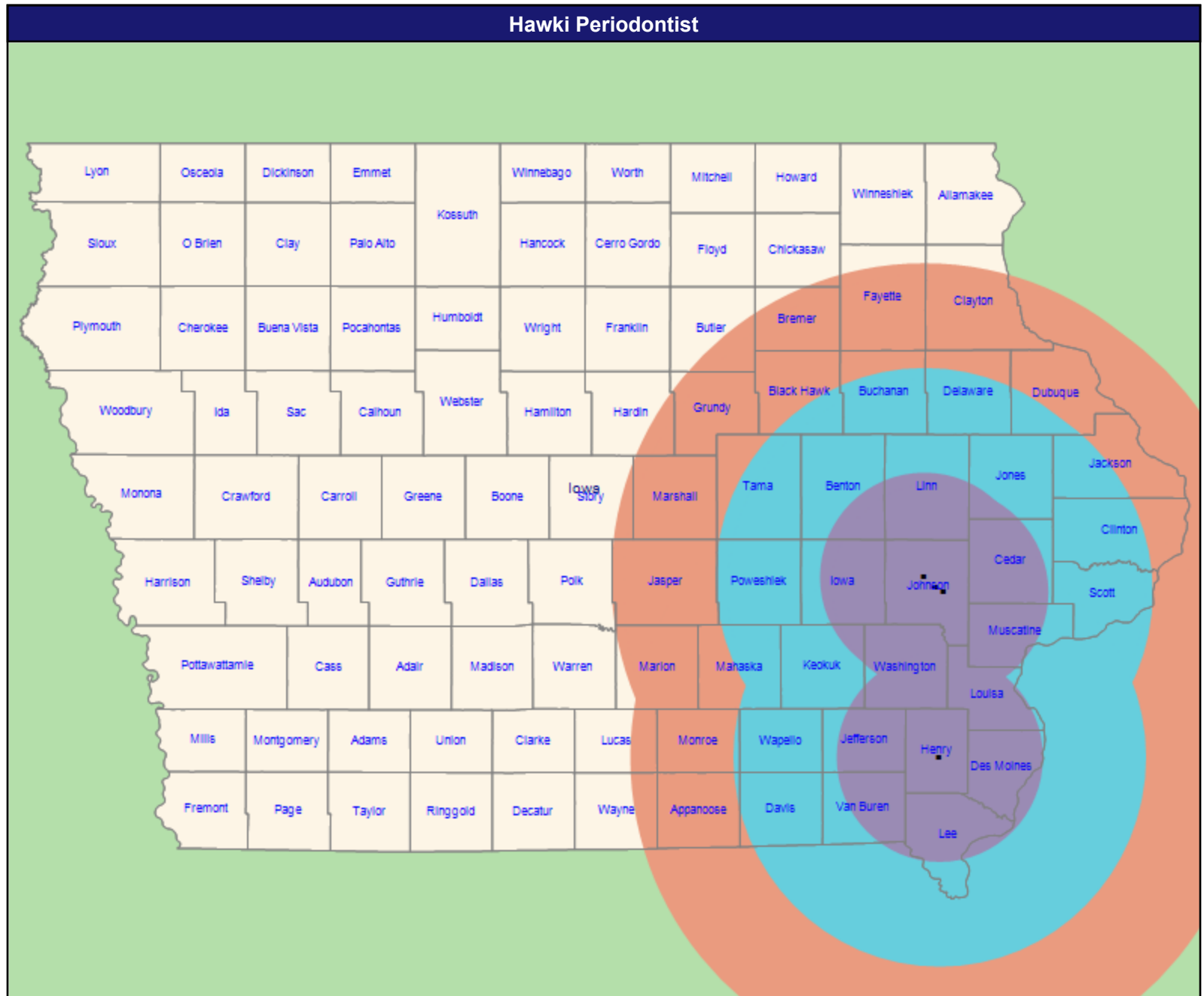
October 30, 2019

Hawki Perio

14 providers at 5 locations

- All providers
- 30 mile radius
- 60 mile radius
- 90 mile radius

41.42 miles



Hawki Prothodontist Access Map

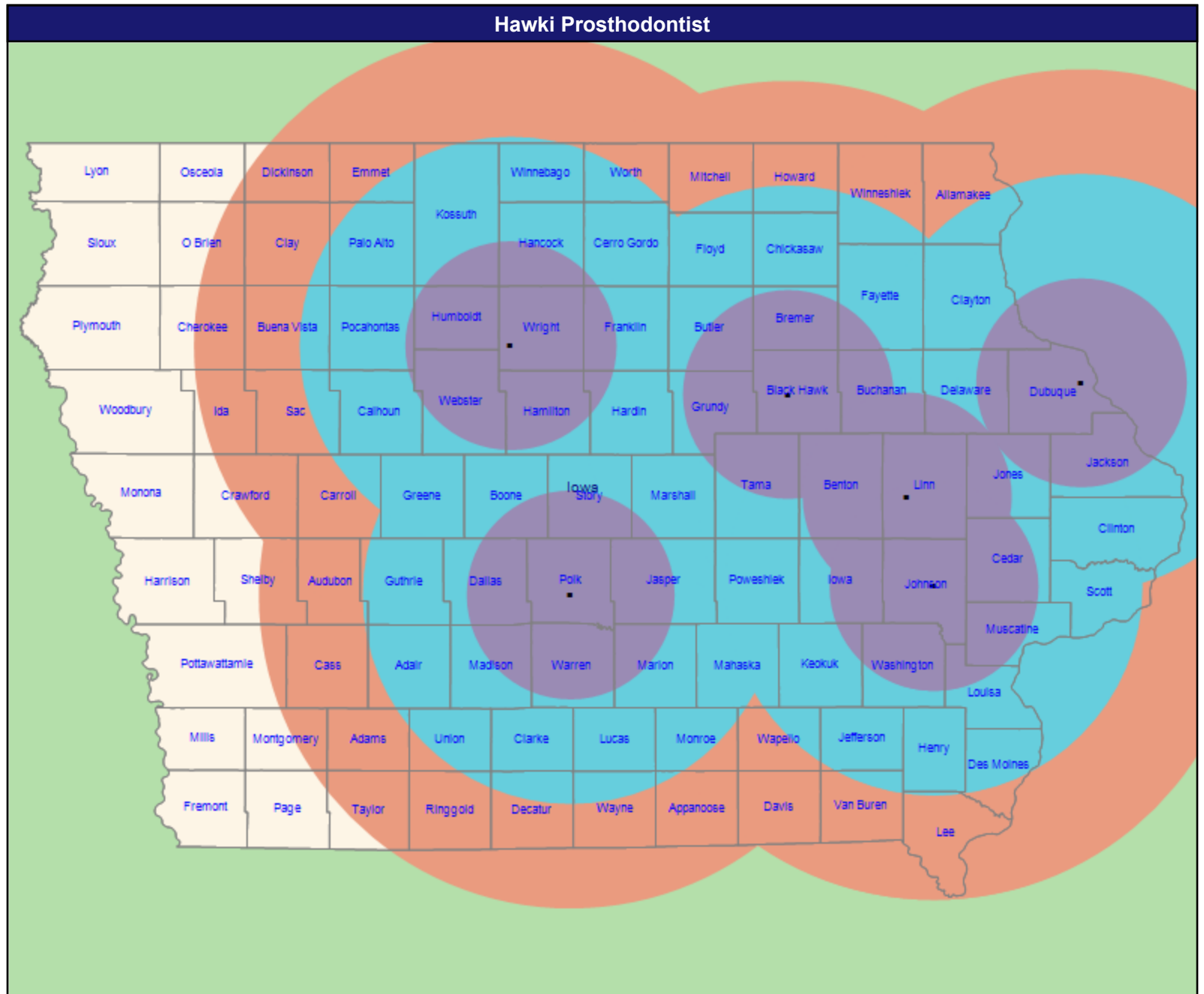
October 30, 2019

Hawki Prost

22 providers at 7 locations

- All providers
- 30 mile radius
- 60 mile radius
- 90 mile radius

41.42 miles



Access Summary By State Name

October 30, 2019

Access Analysis
Hawki

Member Group
Hawki Members

Provider Group
Hawki GP
Hawki OS
Hawki Endo
Hawki Ortho
Hawki Perio
Hawki Prost

¹ Provider counts represent:
P: Unique providers
L: Unique provider locations

** These records have been excluded from the analysis because of invalid zip codes.

All Members												
Member		Provider		With Access		Without Access		Counts ¹		Average Distance		Average Time
Group	#	Group	Standard	#	%	#	%	P	L	1	2	1
Hawki Members	59,188	Hawki GP	1 in 30 miles and...	59,137	99.9	51	0.1	1,753	804	3.5	4.3	3.9
		Hawki GP	1 in 60 miles and...	59,149	99.9	39	0.1	1,753	804	3.5	4.3	3.9
		Hawki GP	1 in 90 miles and...	59,149	99.9	39	0.1	1,753	804	3.5	4.3	3.9
		Hawki OS	1 in 30 miles and...	48,192	81.4	10,996	18.6	216	77	14.6	17.7	16.6
		Hawki OS	1 in 60 miles and...	58,060	98.1	1,128	1.9	216	77	14.6	17.7	16.6
		Hawki OS	1 in 90 miles and...	59,122	99.9	66	0.1	216	77	14.6	17.7	16.6
		Hawki Endo	1 in 30 miles and...	21,234	35.9	37,954	64.1	20	10	43.1	59.1	53.0
		Hawki Endo	1 in 60 miles and...	32,552	55.0	26,636	45.0	20	10	43.1	59.1	53.0
		Hawki Endo	1 in 90 miles and...	49,147	83.0	10,041	17.0	20	10	43.1	59.1	53.0
		Hawki Ortho	1 in 30 miles and...	53,507	90.4	5,681	9.6	164	102	11.1	16.8	12.3
		Hawki Ortho	1 in 60 miles and...	59,143	99.9	45	0.1	164	102	11.1	16.8	12.3
		Hawki Ortho	1 in 90 miles and...	59,145	99.9	43	0.1	164	102	11.1	16.8	12.3
		Hawki Perio	1 in 30 miles and...	6,160	10.4	53,028	89.6	14	5	113.8	119.0	133.2
		Hawki Perio	1 in 60 miles and...	13,079	22.1	46,109	77.9	14	5	113.8	119.0	133.2
		Hawki Perio	1 in 90 miles and...	20,495	34.6	38,693	65.4	14	5	113.8	119.0	133.2
		Hawki Prost	1 in 30 miles and...	22,854	38.6	36,334	61.4	22	7	47.4	80.2	56.3
		Hawki Prost	1 in 60 miles and...	35,345	59.7	23,843	40.3	22	7	47.4	80.2	56.3
		Hawki Prost	1 in 90 miles and...	45,822	77.4	13,366	22.6	22	7	47.4	80.2	56.3

Key Geographic Areas										
State Name	Member	Provider		With Access		Without Access		Average Distance		Average Time
	#	Group	Standard	#	%	#	%	1	2	1
Iowa	59,130	Hawki GP	1 in 60 miles and 60 mins	59,130	100.0	0	0.0	3.1	4.0	3.4
		Hawki GP	1 in 90 miles and 90 mins	59,130	100.0	0	0.0	3.1	4.0	3.4
		Hawki Ortho	1 in 90 miles and 90 mins	59,130	100.0	0	0.0	10.6	16.4	11.8
		Hawki Ortho	1 in 60 miles and 60 mins	59,128	99.9	2	0.1	10.6	16.4	11.8
		Hawki GP	1 in 30 miles and 30 mins	59,120	99.9	10	0.1	3.1	4.0	3.4
		Hawki OS	1 in 90 miles and 90 mins	59,107	99.9	23	0.1	14.2	17.3	16.1
		Hawki OS	1 in 60 miles and 60 mins	58,045	98.2	1,085	1.8	14.2	17.3	16.1
		Hawki Ortho	1 in 30 miles and 30 mins	53,495	90.5	5,635	9.5	10.6	16.4	11.8
		Hawki Endo	1 in 90 miles and 90 mins	49,139	83.1	9,991	16.9	42.6	58.6	52.4
		Hawki OS	1 in 30 miles and 30 mins	48,180	81.5	10,950	18.5	14.2	17.3	16.1
		Hawki Prost	1 in 90 miles and 90 mins	45,819	77.5	13,311	22.5	46.9	79.7	55.7
		Hawki Prost	1 in 60 miles and 60 mins	35,344	59.8	23,786	40.2	46.9	79.7	55.7
		Hawki Endo	1 in 60 miles and 60 mins	32,547	55.0	26,583	45.0	42.6	58.6	52.4
		Hawki Prost	1 in 30 miles and 30 mins	22,853	38.6	36,277	61.4	46.9	79.7	55.7
		Hawki Endo	1 in 30 miles and 30 mins	21,229	35.9	37,901	64.1	42.6	58.6	52.4
		Hawki Perio	1 in 90 miles and 90 mins	20,493	34.7	38,637	65.3	113.3	118.6	132.6
Hawki Perio	1 in 60 miles and 60 mins	13,079	22.1	46,051	77.9	113.3	118.6	132.6		

Access Summary By City

October 30, 2019

Access Analysis
 Hawki
 Member Group
 Hawki Members
 Provider Group
 Hawki GP
 Hawki OS
 Hawki Endo
 Hawki Ortho
 Hawki Perio
 Hawki Prost

¹ Provider counts represent:
 P: Unique providers
 L: Unique provider locations

** These records have been excluded from the analysis because of invalid zip codes.

All Members												
Member		Provider		With Access		Without Access		Counts ¹		Average Distance		Average Time
Group	#	Group	Standard	#	%	#	%	P	L	1	2	1
Hawki Members	59,188	Hawki GP	1 in 30 miles and...	59,137	99.9	51	0.1	1,753	804	3.5	4.3	3.9
		Hawki GP	1 in 60 miles and...	59,149	99.9	39	0.1	1,753	804	3.5	4.3	3.9
		Hawki GP	1 in 90 miles and...	59,149	99.9	39	0.1	1,753	804	3.5	4.3	3.9
		Hawki OS	1 in 30 miles and...	48,192	81.4	10,996	18.6	216	77	14.6	17.7	16.6
		Hawki OS	1 in 60 miles and...	58,060	98.1	1,128	1.9	216	77	14.6	17.7	16.6
		Hawki OS	1 in 90 miles and...	59,122	99.9	66	0.1	216	77	14.6	17.7	16.6
		Hawki Endo	1 in 30 miles and...	21,234	35.9	37,954	64.1	20	10	43.1	59.1	53.0
		Hawki Endo	1 in 60 miles and...	32,552	55.0	26,636	45.0	20	10	43.1	59.1	53.0
		Hawki Endo	1 in 90 miles and...	49,147	83.0	10,041	17.0	20	10	43.1	59.1	53.0
		Hawki Ortho	1 in 30 miles and...	53,507	90.4	5,681	9.6	164	102	11.1	16.8	12.3
		Hawki Ortho	1 in 60 miles and...	59,143	99.9	45	0.1	164	102	11.1	16.8	12.3
		Hawki Ortho	1 in 90 miles and...	59,145	99.9	43	0.1	164	102	11.1	16.8	12.3
		Hawki Perio	1 in 30 miles and...	6,160	10.4	53,028	89.6	14	5	113.8	119.0	133.2
		Hawki Perio	1 in 60 miles and...	13,079	22.1	46,109	77.9	14	5	113.8	119.0	133.2
		Hawki Perio	1 in 90 miles and...	20,495	34.6	38,693	65.4	14	5	113.8	119.0	133.2
		Hawki Prost	1 in 30 miles and...	22,854	38.6	36,334	61.4	22	7	47.4	80.2	56.3
		Hawki Prost	1 in 60 miles and...	35,345	59.7	23,843	40.3	22	7	47.4	80.2	56.3
		Hawki Prost	1 in 90 miles and...	45,822	77.4	13,366	22.6	22	7	47.4	80.2	56.3

Key Geographic Areas										
City	Member	Provider		With Access		Without Access		Average Distance		Average Time
	#	Group	Standard	#	%	#	%	1	2	1
Des Moines, IA	4,641	Hawki Endo	1 in 30 miles and 30 mins	4,641	100.0	0	0.0	3.9	4.5	6.1
		Hawki Endo	1 in 60 miles and 60 mins	4,641	100.0	0	0.0	3.9	4.5	6.1
		Hawki Endo	1 in 90 miles and 90 mins	4,641	100.0	0	0.0	3.9	4.5	6.1
		Hawki GP	1 in 30 miles and 30 mins	4,641	100.0	0	0.0	0.8	1.0	1.3
		Hawki GP	1 in 60 miles and 60 mins	4,641	100.0	0	0.0	0.8	1.0	1.3
		Hawki GP	1 in 90 miles and 90 mins	4,641	100.0	0	0.0	0.8	1.0	1.3
		Hawki Ortho	1 in 30 miles and 30 mins	4,641	100.0	0	0.0	3.0	3.6	4.7
		Hawki Ortho	1 in 60 miles and 60 mins	4,641	100.0	0	0.0	3.0	3.6	4.7
		Hawki Ortho	1 in 90 miles and 90 mins	4,641	100.0	0	0.0	3.0	3.6	4.7
		Hawki OS	1 in 30 miles and 30 mins	4,641	100.0	0	0.0	3.1	3.5	4.7
		Hawki OS	1 in 60 miles and 60 mins	4,641	100.0	0	0.0	3.1	3.5	4.7
		Hawki OS	1 in 90 miles and 90 mins	4,641	100.0	0	0.0	3.1	3.5	4.7
		Hawki Prost	1 in 30 miles and 30 mins	4,641	100.0	0	0.0	5.2	77.4	7.7
		Hawki Prost	1 in 60 miles and 60 mins	4,641	100.0	0	0.0	5.2	77.4	7.7
		Hawki Prost	1 in 90 miles and 90 mins	4,641	100.0	0	0.0	5.2	77.4	7.7
		Hawki Perio	1 in 30 miles and 30 mins	0	0.0	4,641	100.0	106.0	109.2	145.1
		Hawki Perio	1 in 60 miles and 60 mins	0	0.0	4,641	100.0	106.0	109.2	145.1