



Dental Network Analysis

Created for...

State of Tennessee

Created by...

ABC Plan

123 Main Street

Main, US 12345

February 27, 2020

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Access Analysis: Dental Access Analysis	

Access Detail By Zip Code Classification

February 27, 2020

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ABC Plan
123 Main Street
Main, US 12345

Access Analysis
Dental Access Analysis

Employee / Provider Groups
TN Members
General Dentists - 95%
Specialist Dentists - 95%

Employees With and Without Access													
Zip Code Class	Employee	Provider	Access Results			Access Requirements		Average Distance					
	#	Group / Access Standard		#	%	Req %	Met	1	2	3			
Urban	44	General Dentists	With	44	100.0	95	Y	0.4	0.7	0.8			
		2 in 10 miles	W/o	0	0.0						--	--	--
		Specialist Dentists	With	44	100.0						95	Y	1.5
Suburban	108	1 in 15 miles	W/o	0	0.0			--	--	--			
		General Dentists	With	108	100.0	95	Y	0.7	1.0	1.1			
		2 in 15 miles	W/o	0	0.0			--	--	--			
Rural	633	Specialist Dentists	With	108	100.0	95	Y	1.8	2.5	2.7			
		1 in 20 miles	W/o	0	0.0			--	--	--			
		General Dentists	With	625	98.7	95	Y	5.4	6.7	7.7			
		2 in 20 miles	W/o	8	1.3			14.9	25.0	25.5			
		Specialist Dentists	With	511	80.7	90	N	11.5	16.5	18.7			
		1 in 25 miles	W/o	122	19.3			35.9	37.0	38.1			

Access Overview

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Employee / Provider Groups
TN Members
General Dentists - 95%

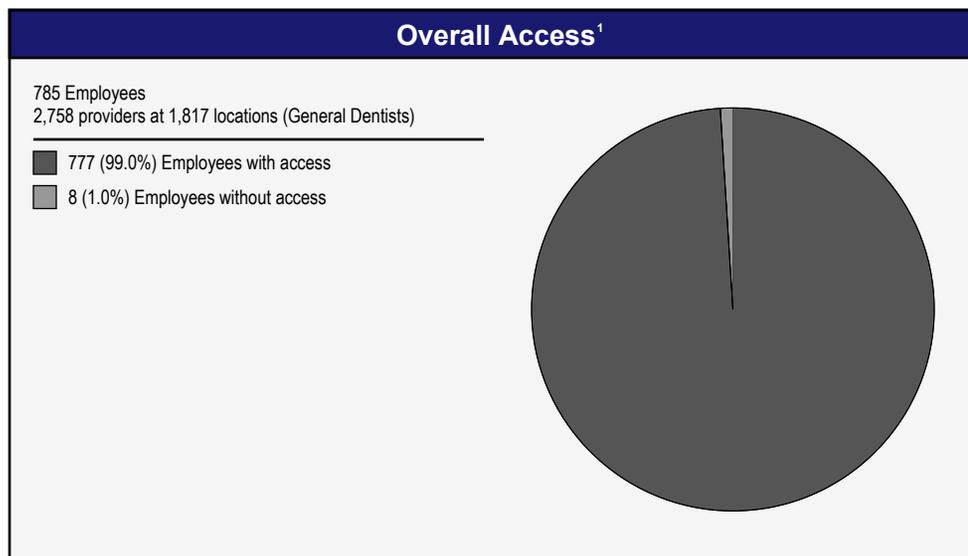
Comparison Graph

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

- 1st closest
- 2nd closest
- 3rd closest
- 4th closest
- 5th closest

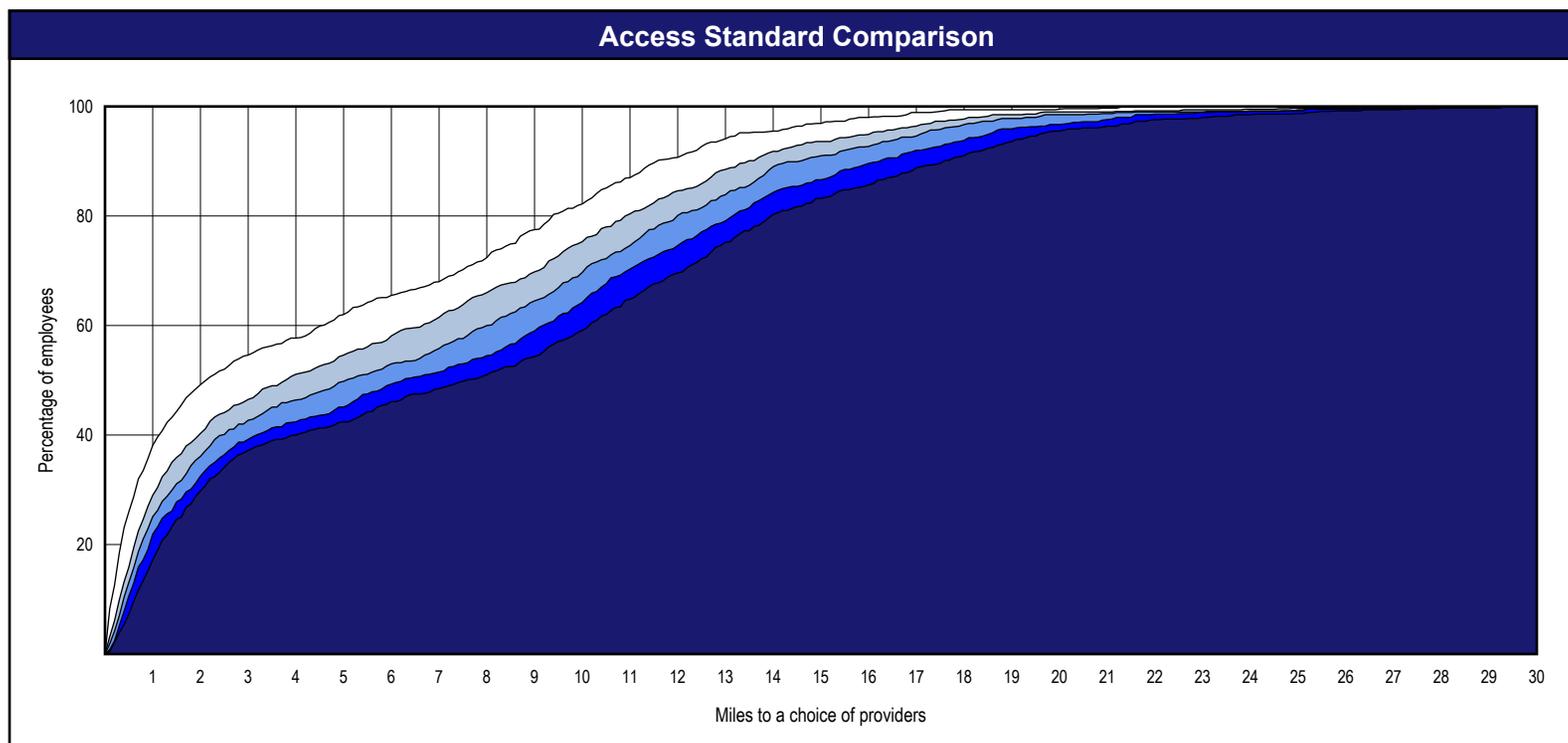
¹ The Access Standard is defined as (TN Members) employees accessing in:

- Urban areas...
2 (General Dentists) providers in 10 miles
- Suburban areas...
2 (General Dentists) providers in 15 miles
- Rural areas...
2 (General Dentists) providers in 20 miles



Distances

	Average
Distance to 1st closest provider	4.6 miles
Distance to 2nd closest provider	5.8 miles
Distance to 3rd closest provider	6.6 miles
Distance to 4th closest provider	7.4 miles
Distance to 5th closest provider	8.1 miles



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TN Members
Specialist Dentists - 95%

Comparison Graph

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

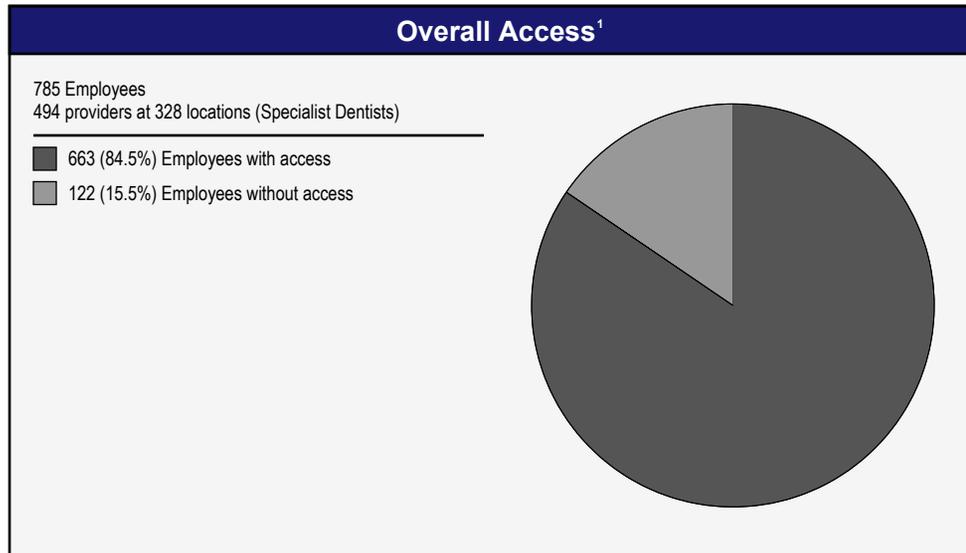
- 1st closest
- 2nd closest
- 3rd closest
- 4th closest
- 5th closest

¹ The Access Standard is defined as (TN Members) employees accessing in:

Urban areas...
1 (Specialist Dentists) provider in 15 miles

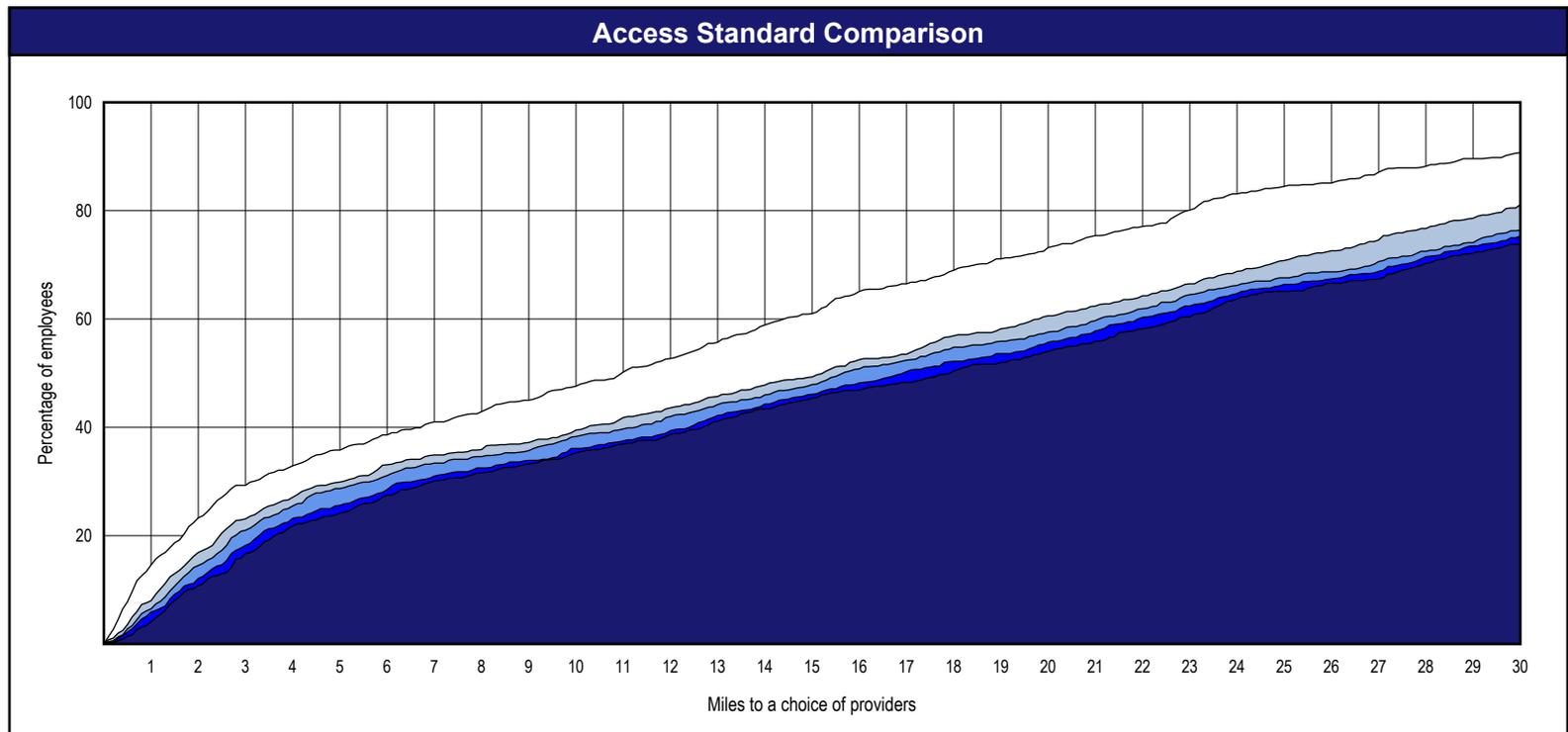
Suburban areas...
1 (Specialist Dentists) provider in 20 miles

Rural areas...
1 (Specialist Dentists) provider in 25 miles



Distances

	Average
Distance to 1st closest provider	13.4 miles
Distance to 2nd closest provider	17.0 miles
Distance to 3rd closest provider	18.6 miles
Distance to 4th closest provider	19.4 miles
Distance to 5th closest provider	19.9 miles



Access Summary By County

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Access Analysis
Dental Access Analysis

Employee Group
TN Members

Provider Group
General Dentists
Specialist Dentists

¹ The Access Standard is defined as (TN Members) employees accessing in:

Urban areas...
2 (General Dentists) providers in 10 miles, 1 (Specialist Dentists) provider in 15 miles

Suburban areas...
2 (General Dentists) providers in 15 miles, 1 (Specialist Dentists) provider in 20 miles

Rural areas...
2 (General Dentists) providers in 20 miles, 1 (Specialist Dentists) provider in 25 miles

² Provider counts represent:
#: Provider access points
P: Unique providers
L: Unique provider locations

Employees With and Without Access												
Employee		With Access ¹			Without Access ¹			Counts ²			Average Distance	
Group	#	#	%	#	%	#	P	L	1	2		
TN Members	785	777	99.0	8	1.0	2,812	2,758	1,817	4.6	5.8		
		663	84.5	122	15.5	502	494	328	13.4	17.0		

Key Geographic Areas								
County	Employee	With Access ¹		Without Access ¹		Average Distance		
	#	#	%	#	%	1	2	
Shelby, TN	77	77	100.0	0	0.0	0.8	1.1	
		77	100.0	0	0.0	2.7	3.1	
Davidson, TN	49	49	100.0	0	0.0	0.5	0.7	
		49	100.0	0	0.0	1.6	2.2	
Knox, TN	34	34	100.0	0	0.0	1.3	1.8	
		34	100.0	0	0.0	2.9	3.8	
Hamilton, TN	33	33	100.0	0	0.0	1.8	2.5	
		33	100.0	0	0.0	3.6	5.1	
Rutherford, TN	17	17	100.0	0	0.0	4.4	4.6	
		17	100.0	0	0.0	5.9	6.2	
Madison, TN	14	14	100.0	0	0.0	5.8	6.3	
		14	100.0	0	0.0	9.0	9.1	
Carroll, TN	13	13	100.0	0	0.0	9.2	9.8	
		5	38.5	8	61.5	26.6	33.9	
Sullivan, TN	13	13	100.0	0	0.0	1.2	1.5	
		13	100.0	0	0.0	3.0	3.9	
Claiborne, TN	12	12	100.0	0	0.0	5.6	7.6	
		12	100.0	0	0.0	10.6	33.5	
Gibson, TN	12	12	100.0	0	0.0	4.4	6.4	
		11	91.7	1	8.3	17.9	21.6	
Blount, TN	11	11	100.0	0	0.0	3.3	5.4	
		11	100.0	0	0.0	6.4	6.5	
Fayette, TN	11	11	100.0	0	0.0	4.4	7.3	
		11	100.0	0	0.0	13.2	21.5	
Williamson, TN	11	11	100.0	0	0.0	2.5	2.9	
		11	100.0	0	0.0	5.1	5.8	
Franklin, TN	10	10	100.0	0	0.0	3.7	7.9	
		8	80.0	2	20.0	21.6	21.9	
Greene, TN	10	10	100.0	0	0.0	6.3	6.7	
		10	100.0	0	0.0	8.3	9.6	
McNairy, TN	10	10	100.0	0	0.0	7.3	7.9	
		0	0.0	10	100.0	43.3	43.4	
Montgomery, TN	10	10	100.0	0	0.0	5.2	5.6	
		10	100.0	0	0.0	6.7	7.3	

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Employees Without Access										
Zip Code Class	State Name	City	Zip Code	Employee	Provider		Without Access		Average Distance	
				#	Group	Standard	#	%	1	2
Rural	Tennessee	Adamsville	38310	1	Specialist Dentists	1 in 25 miles	1	100.0	46.7	46.7
		Allons	38541	1	Specialist Dentists	1 in 25 miles	1	100.0	29.8	30.0
		Allred	38542	1	Specialist Dentists	1 in 25 miles	1	100.0	26.4	26.6
		Alpine	38543	1	Specialist Dentists	1 in 25 miles	1	100.0	30.9	31.1
		Ardmore	38449	1	Specialist Dentists	1 in 25 miles	1	100.0	45.0	45.5
		Atwood	38220	1	Specialist Dentists	1 in 25 miles	1	100.0	27.0	27.0
		Bath Springs	38311	1	Specialist Dentists	1 in 25 miles	1	100.0	48.3	48.3
		Belfast	37019	1	Specialist Dentists	1 in 25 miles	1	100.0	27.0	27.0
		Bethel Springs	38315	1	Specialist Dentists	1 in 25 miles	1	100.0	35.0	35.1
		Bolivar	38008	1	Specialist Dentists	1 in 25 miles	1	100.0	31.3	31.3
		Bradford	38316	1	Specialist Dentists	1 in 25 miles	1	100.0	26.8	27.1
		Byrdstown	38549	1	General Dentists	2 in 20 miles	1	100.0	20.9	21.2
					Specialist Dentists	1 in 25 miles	1	100.0	36.5	42.7
		Camden	38320	1	Specialist Dentists	1 in 25 miles	1	100.0	26.7	27.4
		Cedar Grove	38321	1	Specialist Dentists	1 in 25 miles	1	100.0	26.1	26.2
		Celina	38551	1	Specialist Dentists	1 in 25 miles	1	100.0	26.7	26.7
		Centerville	37033	1	Specialist Dentists	1 in 25 miles	1	100.0	26.3	26.3
		Chewalla	38393	1	Specialist Dentists	1 in 25 miles	1	100.0	46.0	46.2
		Clarksburg	38324	1	Specialist Dentists	1 in 25 miles	1	100.0	32.4	33.5
		Clifton	38425	1	Specialist Dentists	1 in 25 miles	1	100.0	53.6	53.6
		Coker Creek	37314	1	Specialist Dentists	1 in 25 miles	1	100.0	27.4	29.5
		Collinwood	38450	1	General Dentists	2 in 20 miles	1	100.0	10.9	24.9
					Specialist Dentists	1 in 25 miles	1	100.0	57.1	57.1
		Copperhill	37317	1	Specialist Dentists	1 in 25 miles	1	100.0	33.3	33.3
		Cornersville	37047	1	Specialist Dentists	1 in 25 miles	1	100.0	27.1	27.9
		Cosby	37722	1	Specialist Dentists	1 in 25 miles	1	100.0	28.1	28.2
		Counce	38326	1	Specialist Dentists	1 in 25 miles	1	100.0	61.2	61.2
		Crump	38327	1	Specialist Dentists	1 in 25 miles	1	100.0	50.8	51.0
		Cypress Inn	38452	1	General Dentists	2 in 20 miles	1	100.0	20.0	31.9
					Specialist Dentists	1 in 25 miles	1	100.0	67.5	67.5
		Darden	38328	1	Specialist Dentists	1 in 25 miles	1	100.0	35.6	35.8
		Decaturville	38329	1	Specialist Dentists	1 in 25 miles	1	100.0	41.4	41.5
		Del Rio	37727	1	Specialist Dentists	1 in 25 miles	1	100.0	28.3	28.3
		Dellrose	38453	1	Specialist Dentists	1 in 25 miles	1	100.0	40.8	41.5
		Dover	37058	1	Specialist Dentists	1 in 25 miles	1	100.0	29.7	29.7
		Dowelltown	37059	1	Specialist Dentists	1 in 25 miles	1	100.0	26.6	28.4
		Ducktown	37326	1	Specialist Dentists	1 in 25 miles	1	100.0	32.8	32.8
		Eidson	37731	1	Specialist Dentists	1 in 25 miles	1	100.0	27.2	27.9
		Elkton	38455	1	Specialist Dentists	1 in 25 miles	1	100.0	41.5	42.0
		Elora	37328	1	Specialist Dentists	1 in 25 miles	1	100.0	28.8	28.8

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General Dentists - 95%
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Employees Without Access												
Zip Code Class	State Name	City	Zip Code	Employee	Provider		Without Access		Average Distance			
				#	Group	Standard	#	%	1	2		
Rural	Tennessee	Enville	38332	1	Specialist Dentists	1 in 25 miles	1	100.0	34.2	34.4		
		Ethridge	38456	1	Specialist Dentists	1 in 25 miles	1	100.0	28.1	28.1		
		Evensville	37332	1	Specialist Dentists	1 in 25 miles	1	100.0	27.0	27.7		
		Farner	37333	1	Specialist Dentists	1 in 25 miles	1	100.0	31.1	31.8		
		Fayetteville	37334	1	Specialist Dentists	1 in 25 miles	1	100.0	31.8	31.8		
		Finger	38334	1	Specialist Dentists	1 in 25 miles	1	100.0	30.5	30.6		
		Five Points	38457	1	Specialist Dentists	1 in 25 miles	1	100.0	43.6	43.6		
		Flintville	37335	1	Specialist Dentists	1 in 25 miles	1	100.0	28.6	28.6		
		Frankewing	38459	1	Specialist Dentists	1 in 25 miles	1	100.0	35.1	35.8		
		Gatlinburg	37738	1	Specialist Dentists	1 in 25 miles	1	100.0	27.1	27.1		
		Goodspring	38460	1	Specialist Dentists	1 in 25 miles	1	100.0	34.5	34.5		
		Grand Junction	38039	1	Specialist Dentists	1 in 25 miles	1	100.0	27.2	29.7		
		Greenfield	38230	1	Specialist Dentists	1 in 25 miles	1	100.0	29.3	32.2		
		Guys	38339	1	Specialist Dentists	1 in 25 miles	1	100.0	50.9	51.0		
		Hartford	37753	1	Specialist Dentists	1 in 25 miles	1	100.0	31.6	32.0		
		Henning	38041	1	Specialist Dentists	1 in 25 miles	1	100.0	33.7	34.5		
		Hickory Valley	38042	1	Specialist Dentists	1 in 25 miles	1	100.0	28.1	32.2		
		Hohenwald	38462	1	Specialist Dentists	1 in 25 miles	1	100.0	28.5	28.5		
		Holladay	38341	1	Specialist Dentists	1 in 25 miles	1	100.0	35.5	38.0		
		Hornsby	38044	1	Specialist Dentists	1 in 25 miles	1	100.0	30.0	30.3		
		Huntingdon	38344	1	Specialist Dentists	1 in 25 miles	1	100.0	26.7	39.7		
		Iron City	38463	1	General Dentists	2 in 20 miles	1	100.0	22.7	29.1		
							Specialist Dentists	1 in 25 miles	1	100.0	60.9	60.9
		Jacks Creek	38347	1	Specialist Dentists	1 in 25 miles	1	100.0	27.1	27.3		
		Jamestown	38556	1	Specialist Dentists	1 in 25 miles	1	100.0	26.7	33.2		
		Kelso	37348	1	Specialist Dentists	1 in 25 miles	1	100.0	29.4	29.4		
		Kyles Ford	37765	1	Specialist Dentists	1 in 25 miles	1	100.0	30.2	30.2		
		Lafayette	37083	1	Specialist Dentists	1 in 25 miles	1	100.0	29.7	33.0		
		Laurel Bloomery	37680	1	Specialist Dentists	1 in 25 miles	1	100.0	25.4	27.1		
		Lawrenceburg	38464	1	Specialist Dentists	1 in 25 miles	1	100.0	35.1	35.1		
		Leoma	38468	1	Specialist Dentists	1 in 25 miles	1	100.0	39.3	39.3		
		Liberty	37095	1	Specialist Dentists	1 in 25 miles	1	100.0	28.0	28.3		
Linden	37096	1	Specialist Dentists	1 in 25 miles	1	100.0	40.2	44.5				
Lobelville	37097	1	Specialist Dentists	1 in 25 miles	1	100.0	30.4	41.2				
Loretto	38469	1	Specialist Dentists	1 in 25 miles	1	100.0	47.1	47.1				
Lutts	38471	1	General Dentists	2 in 20 miles	1	100.0	20.1	24.6				
					Specialist Dentists	1 in 25 miles	1	100.0	66.3	66.3		
Mc Lemoresville	38235	1	Specialist Dentists	1 in 25 miles	1	100.0	32.7	32.8				
Michie	38357	1	Specialist Dentists	1 in 25 miles	1	100.0	52.5	52.5				
Middleton	38052	1	Specialist Dentists	1 in 25 miles	1	100.0	39.6	40.0				

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TN Members
General Dentists - 95%
Specialist Dentists - 95%

Employees Without Access										
Zip Code Class	State Name	City	Zip Code	Employee	Provider		Without Access		Average Distance	
				#	Group	Standard	#	%	1	2
Rural	Tennessee	Trezevant	38258	1	Specialist Dentists	1 in 25 miles	1	100.0	31.6	31.7
		Turtletown	37391	1	Specialist Dentists	1 in 25 miles	1	100.0	31.6	31.7
		Waynesboro	38485	1	General Dentists	2 in 20 miles	1	100.0	0.8	22.6
				1	Specialist Dentists	1 in 25 miles	1	100.0	48.8	48.8
				1	Specialist Dentists	1 in 25 miles	1	100.0	50.9	50.9
		Westport	38387	1	Specialist Dentists	1 in 25 miles	1	100.0	29.8	38.7
		Whiteville	38075	1	Specialist Dentists	1 in 25 miles	1	100.0	28.6	35.4
		Whitleyville	38588	1	Specialist Dentists	1 in 25 miles	1	100.0	29.7	29.8
		Wildersville	38388	1	Specialist Dentists	1 in 25 miles	1	100.0	30.8	30.9
Yuma	38390	1	Specialist Dentists	1 in 25 miles	1	100.0	31.7	31.8		

Statistics

February 27, 2020

Quest Analytics Suite

Version 2019.4

Distance Method:

EstimatedDriving Distance

Tennessee Dental

C:\Users\RoseHall\OneDrive -

Quest Analytics,

Incl\Desktop\Tennessee

Dental.qpx

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123 Main Street

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Overall Results	
Phase	Elapsed Time
Geocoding Phase	00:00:00.000
Calculation Phase	00:00:18.842
Printing Phase	00:00:00.562
Total Runtime	00:00:19.405

Geocoding Phase						
Resource	Records Geocoded			Records Not Geocoded		Elapsed Time
	Address	Distributive	Point Zip	Not licensed	Invalid Zip	
TN Members ([TNZipCodes\$] @ C:\Users\RoseHall\OneDrive - Quest Analytics, Inc\Desktop\TN Z...	0	607	178	0	0	00:00:00.000
General Dentists ([Dentists] @ C:\Users\RoseHall\OneDrive - Quest Analytics, Inc\Quest Academy...	---	---	---	---	---	00:00:00.000
Specialist Dentists ([Dentists] @ C:\Users\RoseHall\OneDrive - Quest Analytics, Inc\Quest Acade...	---	---	---	---	---	00:00:00.000

Calculation Phase	
Resource	Elapsed Time
Calculated By Distance : Calculate TN Members to General Dentists	00:00:00.082
Calculated By Distance : Calculate TN Members to Specialist Dentists	00:00:00.051
Page: Cover Page	00:00:00.197
Page: Contents	00:00:00.197
Page: Access Detail By Zip Code Classification	00:00:00.613
Page: Access Overview	00:00:01.408
Page: Access Summary By County	00:00:18.259
Page: Access Detail By Zip Code	00:00:18.841

Printing Phase					
Page Type	Page Title	Resource	Filter	Map View	Elapsed Time
Cover Page	Cover Page				00:00:00.073
Contents Page	Contents				00:00:00.053
Access Detail	Access Detail By Zip Code Classification	Dental Access Analysis	With and Without Access		00:00:00.131
Access Overview	Access Overview	Dental Access Analysis	With and Without Access		00:00:00.312
Access Summary	Access Summary By County	Dental Access Analysis	With and Without Access		00:00:00.419
Access Detail	Access Detail By Zip Code	Dental Access Analysis	Without Access		00:00:00.507