

Vermont Department of Health

**2017 Census of Dentists**

**Statistical Report**



# 2017 Census of Dentists

## Statistical Report

State of Vermont  
Phil Scott, Governor

Agency of Human Services  
Al Gobeille, Secretary

Department of Health  
Mark Levine, MD, Commissioner

March, 2018

## Acknowledgments

We wish to express our appreciation to all the dentists who took the time and effort to complete our census form.

This report would not have been possible without the cooperation of the Vermont State Dental Society. We gratefully acknowledge their assistance in the collection of this information.

We also wish to express our thanks to the Secretary of State's Office who linked their online licensing system to our survey, and followed up with the dentists who were initially missing from the census.

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## Introduction

Since the health of Vermonters depends, in part, on access to health care, we need to identify and address problems related to the supply of health care providers, including their distribution by geography and specialty. This effort depends largely on our capacity to collect timely and useful data. In this report we present detailed profiles of dentists practicing in Vermont; these data, along with data on other health care providers, can be used as the basis for policy analysis, shortage area designations, and recruitment and retention activities.

The first survey of dentists was conducted in 1999. Information on dentists who practice in Vermont has been updated every two years at the time of relicensing. Similar information is now being collected from other health care practitioners of all types.

Data Collection: This report includes dentists who renewed their license as of the end of September, 2017. In cooperation with the Office of Professional Regulation at the Secretary of State Office and the Vermont State Dental Society, the Department of Health online census form was linked to the online relicensing system in the summer of 2017. A paper version of the form was also available and used by some dentists. A copy of the (paper) survey form is included in Appendix C.

The survey responses were compared against a list of all dentists who renewed their license. Follow-up mailings were then made by the OPR to those dentists who did not return a survey, to determine if they were practicing in Vermont, and complete the survey. All dentists were eventually reached.

Included in this report are dentists who provide patient care in Vermont. 85 dentists renewed their Vermont licenses but reported that they do not practice in Vermont - 17 of them said they expect to start (or resume) practicing in Vermont within the next 12 months. These 85 dentists are excluded from this report. Also excluded are 14 dentists that reported fewer than 2 patient care hours per week on the average in Vermont.

Limitations: The surveys were reviewed for accuracy and consistency during the data entry and processing phases. Missing and/or inconsistent data items were evaluated as to their importance. In a few cases data items that were considered essential, such as specialty or number of patient care hours, were filled in from older data. Other data are reported as missing. In general, however, the information for this report was self-reported and was not further verified. Data in this report are, therefore, subject to the limitations associated with self-reported surveys. The possibility of misinterpretation of survey items is always present, and it is possible that a small number of inconsistencies have arisen from such occurrences.

Table Notes: Detailed notes and definitions are included in the Appendices. References to "Note(s)" in tables always refer to the Notes in Appendix B.

Please contact us if you have any questions about the survey or the report. Call or write the Department of Health, Public Health Statistics, P.O. Box 70, Burlington, VT 05402, tel. (802) 863-7300, or email [AHS.VDHPhysicianCensus@vermont.gov](mailto:AHS.VDHPhysicianCensus@vermont.gov).





## Summary of the 2017 Dentist Survey Results

- ◆ This report includes data reported by 381 dentists providing patient care in Vermont. This represents 289.7 full-time equivalents, of which 242.7 are in primary care.
- ◆ 313 dentists work mainly in primary care including:
  - 299 General
  - 14 Pediatric
- ◆ 68 dentists provide mainly specialty care including:
  - 21 Oral Surgery
  - 13 Endodontics
  - 22 Orthodontics
  - 9 Periodontics
  - 2 Prosthodontics
  - 1 Other Specialties
- ◆ Patient care hours per week (does *not* include administration, teaching, and research):
  - 21% 40 or more hours per week
  - 55% 30 to 39 hours per week
  - 24% less than 30 hours per week
- ◆ 96, or 25%, of the dentists are female. Of the 166 dentists under age 50, 65 (39%) are female.
- ◆ 48% (183) of the dentists are 55 or older, and 24% (90) are 65 or older.
- ◆ In Rutland County, 58% of the primary care dentists are 60 or older (18 of 31).
- ◆ Between 2015 and 2017 there was a net increase of 22 dentists in the under 45 age group, a decrease of 36 in the 45-64 age group, and an increase of 10 in the 65+ age group.
- ◆ There are 2 fewer dentists providing patient care in Vermont in 2017 than in 2015, but the total primary care FTEs increased by 2.6, while specialist FTEs decreased by 3.1.
- ◆ As compared with 2015, fewer dentists are providing less than 30 hours of patient care per week.
- ◆ As compared with 2015, the largest increases in primary care FTEs were in Addison, Orleans and Windsor counties. The largest decreases were in Washington, Rutland, and Windham counties.
- ◆ The reported percentage accepting new patients is 97%, which is higher than in 2015, but the percentage accepting new Medicaid patients is 60%, which is lower than in 2015.
- ◆ Relative to 2015, the average reported weeks wait for an appointment for a new patient with a general dentist has decreased, from 3.6 to 2.5 weeks, although it has increased from 3.5 to 3.8 weeks for new patients of pediatric dentists.

## Comparison of Selected Data, 2005-2017

	2005	2007	2009	2011	2013	2015	2017
Total active* dentists	352	355	366	368	369	383	381
Primary care dentists	278	282	292	297	298	312	313
General practice	269	272	280	288	286	301	299
Pediatric dentistry	9	10	12	9	12	11	14
Specialist dentists	74	73	74	71	71	71	68
Oral Surgery	19	24	26	23	23	21	21
Endodontics	9	7	9	10	11	13	13
Orthodontics	27	27	24	25	24	23	22
Periodontics	12	11	12	11	10	10	9
Prosthodontics	4	2	2	1	1	2	2
Other Specialties	3	2	1	1	2	2	1
Percent of dentists under age 40	18%	16%	18%	19%	20%	21%	25%
Percent of dentists age 55 or older	41%	44%	47%	49%	48%	50%	48%
Percent of dentists age 60 or older	22%	26%	30%	34%	34%	35%	35%
Percent of dentists age 65 or older	9%	10%	13%	17%	21%	21%	24%
Average patient care hours per week	31	31	30	31	33	30	31
Total Full Time Equivalents (FTEs) *	267.1	269.8	271.6	281.2	290.8	290.1	289.7
Primary care:							
Full Time Equivalents (FTEs) *	216.0	221.6	217.7	229.0	238.4	240.1	242.7
FTEs per 100,000 population **	34.8	35.5	34.8	36.6	38.0	38.3	38.9
% accepting new patients	88%	90%	92%	92%	90%	96%	96%
% accepting new Medicaid patients	59%	60%	65%	69%	63%	66%	60%
Weeks wait for appointment - new patient	3.6	3.5	2.9	2.8	3.2	3.6	2.5
Percent working with dental hygienists	88%	90%	91%	92%	93%	93%	94%
% of FTEs in Chittenden County	29%	30%	31%	31%	31%	32%	31%
Specialty care:							
Full Time Equivalents (FTEs) *	51.1	48.2	53.9	52.1	52.4	50.0	46.9
FTEs per 100,000 population **	8.2	7.7	8.6	8.3	8.4	8.0	7.5
% accepting new patients	96%	97%	99%	99%	91%	93%	100%
Accepting new Medicaid patients	69%	68%	67%	70%	68%	63%	60%
% of FTEs in Chittenden County	44%	44%	42%	41%	43%	48%	46%

\* providing patient care in Vermont

\*\* population estimates for 2005-2009 revised after 2010 census

# Vermont Dentists

## Demographic Characteristics



Table 1 -- VT Dentists, 2017  
Summary of Active Dentists

TOTAL	381	(100%)
Type of Practice:		
Primary Care Total	313	( 82%)
General	299	( 78%)
Pediatric	14	( 4%)
Specialty Care Total	68	( 18%)
Oral Surgery	21	( 6%)
Endodontics	13	( 3%)
Orthodontics	22	( 6%)
Periodontics	9	( 2%)
Prosthodontics	2	( 1%)
Other Specialties	1	( 0%)
Age groups:		
less than 35	51	( 13%)
35 - 39	44	( 12%)
40 - 44	38	( 10%)
45 - 49	33	( 9%)
50 - 54	32	( 8%)
55 - 59	48	( 13%)
60 - 64	45	( 12%)
65 - 69	44	( 12%)
70 and over	46	( 12%)
Gender:		
Male	285	( 75%)
Female	96	( 25%)
Patient care hours:		
less than 30 hours/week	93	( 24%)
30 to 39 hours/week	208	( 55%)
40 or more hours/week	80	( 21%)
Number of practice sites:		
One	325	( 85%)
Two	47	( 12%)
Three or more	9	( 2%)
Tried to add an associate in past 2 years:		
Yes, with success	111	( 30%)
Yes, without success	29	( 8%)
Interested but did not try	32	( 9%)
Not interested	204	( 54%)
Unknown	5	

Table 2 -- VT Dentists, 2017  
Age by Type of Practice and by Gender

	Total	Number in Age Group				
		<35	35-44	45-54	55-64	65+
TOTAL	381	51	82	65	93	90
MALES	285	22	54	46	79	84
FEMALES	96	29	28	19	14	6
PRIMARY CARE	313	46	67	46	82	72
General	299	44	63	43	81	68
Pediatric	14	2	4	3	1	4
SPECIALTY CARE	68	5	15	19	11	18
Oral Surgery	21	.	5	8	3	5
Endodontics	13	3	3	3	.	4
Orthodontics	22	1	5	6	5	5
Periodontics	9	.	2	2	2	3
Prosthodontics	2	1	.	.	1	.
Other Specialties	1	.	.	.	.	1

	Total	Percent in Age Group				
		<35	35-44	45-54	55-64	65+
TOTAL	100%	13%	22%	17%	24%	24%
MALES	100%	8%	19%	16%	28%	29%
FEMALES	100%	30%	29%	20%	15%	6%
PRIMARY CARE	100%	15%	21%	15%	26%	23%
SPECIALTY CARE	100%	7%	22%	28%	16%	26%

See Note 1 regarding determination of ages.

Table 3 -- VT Dentists, 2017  
Age by Type of Practice for Each Gender

Type of Practice	Total	Number in Age Group				
		<35	35-44	45-54	55-64	65+
TOTAL	381	51	82	65	93	90
MALES	285	22	54	46	79	84
PRIMARY CARE	232	20	44	32	69	67
General	222	20	41	29	68	64
Pediatric	10	.	3	3	1	3
SPECIALTY CARE	53	2	10	14	10	17
Oral Surgery	20	.	5	7	3	5
Endodontics	6	.	2	1	.	3
Orthodontics	18	1	3	4	5	5
Periodontics	6	.	.	2	1	3
Prosthodontics	2	1	.	.	1	.
Other Specialties	1	.	.	.	.	1
FEMALES	96	29	28	19	14	6
PRIMARY CARE	81	26	23	14	13	5
General	77	24	22	14	13	4
Pediatric	4	2	1	.	.	1
SPECIALTY CARE	15	3	5	5	1	1
Oral Surgery	1	.	.	1	.	.
Endodontics	7	3	1	2	.	1
Orthodontics	4	.	2	2	.	.
Periodontics	3	.	2	.	1	.

See Note 1 regarding determination of ages.

Table 4 -- VT Dentists, 2017  
Age by County

County	Total	Number in Age Group				
		<35	35-44	45-54	55-64	65+
STATEWIDE TOTAL						
Total	381	51	82	65	93	90
Primary Care	313	46	67	46	82	72
Specialists	68	5	15	19	11	18
Addison County						
Primary Care	15	.	5	4	3	3
Specialists	2	.	.	2	.	.
Bennington County						
Primary Care	21	2	6	2	5	6
Specialists	6	1	.	2	1	2
Caledonia County						
Primary Care	19	4	2	2	5	6
Specialists	1	.	.	.	1	.
Chittenden County						
Primary Care	96	14	30	11	27	14
Specialists	33	2	8	8	7	8
Essex County						
Primary Care	2	1	1	.	.	.
Specialists	.	.	.	.	.	.
Franklin County						
Primary Care	20	3	4	1	8	4
Specialists	.	.	.	.	.	.
Grand Isle County						
Primary Care	1	.	.	.	.	1
Specialists	.	.	.	.	.	.
Lamoille County						
Primary Care	13	3	4	2	2	2
Specialists	.	.	.	.	.	.
Orange County						
Primary Care	9	.	1	5	1	2
Specialists	.	.	.	.	.	.
Orleans County						
Primary Care	8	2	.	1	.	5
Specialists	.	.	.	.	.	.
Rutland County						
Primary Care	31	3	2	2	10	14
Specialists	9	.	1	1	2	5
Washington County						
Primary Care	25	4	2	8	6	5
Specialists	6	1	1	3	.	1
Windham County						
Primary Care	24	6	4	3	8	3
Specialists	6	.	4	2	.	.
Windsor County						
Primary Care	29	4	6	5	7	7
Specialists	5	1	1	1	.	2

Each dentist is counted once in this table, in main county of practice.  
See Note 1 regarding determination of ages.



Table 5 -- VT Dentists, 2017  
 Years in Clinical Practice

In Clinical Practice	Anywhere	In Vermont
Total	381	381
less than a year	5 ( 1%)	14 ( 4%)
1 to 2 years	25 ( 7%)	44 ( 12%)
3 to 4 years	17 ( 4%)	30 ( 8%)
5 to 9 years	44 ( 12%)	53 ( 14%)
10 to 14 years	32 ( 8%)	30 ( 8%)
15 to 19 years	40 ( 11%)	36 ( 9%)
20 to 24 years	24 ( 6%)	34 ( 9%)
25 to 29 years	38 ( 10%)	33 ( 9%)
30 to 34 years	42 ( 11%)	33 ( 9%)
35 to 39 years	40 ( 11%)	29 ( 8%)
40 years or more	73 ( 19%)	44 ( 12%)
unknown	1	1
Median Years	25	17



# Vermont Dentists

## Distribution of Full Time Equivalents (FTEs)



Table 6 -- VT Dentists, 2017  
 Numbers of Dentists, Full Time Equivalents (FTEs),  
 and Total Weekly Patient Care Hours, by County

Count FTEs Hours	TOTAL	PRIMARY CARE TOTAL	SPECIALTY CARE TOTAL
STATEWIDE TOTAL	381 289.7 11837	313 242.7 9886	68 46.9 1952
Addison County	21 14.3 580	17 12.6 511	4 1.7 69
Bennington County	27 20.3 821	21 16.7 677	6 3.6 144
Caledonia County	21 13.4 540	20 13.3 534	1 .1 6
Chittenden County	135 96.8 3975	101 75.1 3045	34 21.7 930
Essex County	2 1.6 62	2 1.6 62	. . .
Franklin County	25 18.0 730	23 17.2 698	2 .8 32
Grand Isle County	1 .8 31	1 .8 31	. . .
Lamoille County	16 11.1 459	14 10.8 450	2 .2 9
Orange County	9 7.5 310	9 7.5 310	. . .
Orleans County	12 7.5 329	10 7.2 319	2 .3 11
Rutland County	47 29.7 1204	34 22.9 926	13 6.8 278
Washington County	37 27.4 1113	28 21.7 882	9 5.7 231
Windham County	31 18.9 782	25 17.1 710	6 1.8 73
Windsor County	35 22.4 901	30 18.2 730	5 4.2 171

In this table dentists may be counted in more than one county  
 (see Note 4).

Table 7 -- VT Dentists, 2017  
 Numbers of Primary Care Dentists, Full Time Equivalents (FTEs), and Total Weekly Patient Care Hours, by County

	Count FTEs Hours	PRIMARY CARE TOTAL	GENERAL	PEDIATRIC
STATEWIDE TOTAL		313 242.7 9886	299 232.1 9458	14 10.7 428
Addison County		17 12.6 511	16 11.8 477	1 .9 34
Bennington County		21 16.7 677	21 16.7 677	. . . . .
Caledonia County		20 13.3 534	20 13.3 534	. . . . .
Chittenden County		101 75.1 3045	94 68.8 2793	7 6.3 252
Essex County		2 1.6 62	2 1.6 62	. . . . .
Franklin County		23 17.2 698	23 17.2 698	. . . . .
Grand Isle County		1 .8 31	1 .8 31	. . . . .
Lamoille County		14 10.8 450	14 10.8 450	. . . . .
Orange County		9 7.5 310	9 7.5 310	. . . . .
Orleans County		10 7.2 319	9 6.8 304	1 .4 15
Rutland County		34 22.9 926	33 21.9 886	1 1.0 40
Washington County		28 21.7 882	28 21.7 882	. . . . .
Windham County		25 17.1 710	25 17.1 710	. . . . .
Windsor County		30 18.2 730	26 16.1 642	4 2.2 87

Dentists may be counted in more than one county (Note 4).

Table 8 -- VT Dentists, 2017  
 Numbers of Specialty Care Dentists, Full Time Equivalents  
 (FTEs), and Total Weekly Patient Care Hours, by County

Count FTEs Hours	SPECIALTY CARE TOTAL	ORAL SURGERY	ENDO- DONTICS	ORTHO- DONTICS	PERIO- DONTICS	PROSTHO- DONTICS	OTHER
STATEWIDE TOTAL	68 46.9 1952	21 14.8 601	13 7.7 312	22 16.7 706	9 5.6 234	2 1.1 54	1 1.0 46
Addison County	4 1.7 69	1 1.0 40	. . . . .	3 .7 29	. . . . .	. . . . .	. . . . .
Bennington County	6 3.6 144	3 2.0 80	1 .2 8	1 .8 31	1 .6 25	. . . . .	. . . . .
Caledonia County	1 .1 6	. . . . .	. . . . .	1 .1 6	. . . . .	. . . . .	. . . . .
Chittenden County	34 21.7 930	10 6.9 276	5 2.6 103	11 6.7 301	5 3.5 150	2 1.1 54	1 1.0 46
Essex County	. . . . .	. . . . .	. . . . .	. . . . .	. . . . .	. . . . .	. . . . .
Franklin County	2 .8 32	. . . . .	. . . . .	2 .8 32	. . . . .	. . . . .	. . . . .
Grand Isle County	. . . . .	. . . . .	. . . . .	. . . . .	. . . . .	. . . . .	. . . . .
Lamoille County	2 .2 9	2 .2 9	. . . . .	. . . . .	. . . . .	. . . . .	. . . . .
Orange County	. . . . .	. . . . .	. . . . .	. . . . .	. . . . .	. . . . .	. . . . .
Orleans County	2 .3 11	. . . . .	. . . . .	2 .3 11	. . . . .	. . . . .	. . . . .
Rutland County	13 6.8 278	6 1.7 71	2 1.6 63	3 2.2 86	2 1.4 57	. . . . .	. . . . .
Washington County	9 5.7 231	3 1.9 75	2 1.5 66	4 2.3 90	. . . . .	. . . . .	. . . . .
Windham County	6 1.8 73	3 1.3 50	1 .1 3	1 .4 17	1 .1 2	. . . . .	. . . . .
Windsor County	5 4.2 171	. . . . .	2 1.7 68	3 2.5 103	. . . . .	. . . . .	. . . . .

In this table dentists may be counted in more than one county (see Note 4).

Table 9 -- VT Dentists, 2017  
 Primary Care Dentistry FTE to Population Ratios, by County

County	FTEs	Population	FTEs per 100,000	Population per FTE
STATEWIDE TOTAL	242.7	624,594	38.9	2,573
Addison	12.6	36,959	34.1	2,929
Bennington	16.7	36,191	46.2	2,163
Caledonia	13.3	30,333	43.9	2,280
Chittenden	75.1	161,531	46.5	2,152
Essex	1.6	6,176	25.1	3,985
Franklin	17.2	48,915	35.1	2,850
Grand Isle	.8	6,919	11.3	8,856
Lamoille	10.8	25,333	42.8	2,335
Orange	7.5	28,919	26.1	3,833
Orleans	7.2	26,863	26.8	3,731
Rutland	22.9	59,310	38.5	2,595
Washington	21.7	58,504	37.1	2,694
Windham	17.1	43,145	39.7	2,520
Windsor	18.2	55,496	32.9	3,042

Only General and Pediatric dentists are included.

Population estimates are for 2016 (see Note 7).

All worksites of each dentist are counted in this table (Note 4).

One FTE is defined as 40 (or more) hours/week, 48 weeks/year, in Vermont (see Note 22).

The FTEs are rounded to one decimal for display only.  
 The ratios were calculated using the unrounded values.



Table 10 -- VT Dentists, 2017  
FTEs by Age by County

County	Total	FTEs in Age Group				
		<35	35-44	45-54	55-64	65+
STATEWIDE TOTAL						
Total	289.7	42.1	63.6	53.6	73.4	57.0
Primary Care	242.7	39.5	53.5	38.5	64.9	46.3
Specialists	46.9	2.6	10.1	15.1	8.5	10.7
Addison County						
Primary Care	12.6	.	5.0	2.7	2.6	2.3
Specialists	1.7	.1	.	1.4	.2	.
Bennington County						
Primary Care	16.7	1.5	4.4	1.8	4.6	4.5
Specialists	3.6	.2	.	1.4	.8	1.2
Caledonia County						
Primary Care	13.3	3.4	1.7	1.1	3.3	3.8
Specialists	.1	.	.	.	.1	.
Chittenden County						
Primary Care	75.1	11.0	24.8	8.6	22.4	8.2
Specialists	21.7	.3	5.3	7.0	5.4	3.8
Essex County						
Primary Care	1.6	.8	.8	.	.	.
Specialists	.	.	.	.	.	.
Franklin County						
Primary Care	17.2	3.7	3.1	1.0	6.0	3.3
Specialists	.8	.	.8	.	.	.
Grand Isle County						
Primary Care	.8	.	.	.	.	.8
Specialists	.	.	.	.	.	.
Lamoille County						
Primary Care	10.8	2.1	3.1	1.8	2.3	1.5
Specialists	.2	.	<.05	.	.2	.
Orange County						
Primary Care	7.5	.	1.0	4.1	.8	1.6
Specialists	.	.	.	.	.	.
Orleans County						
Primary Care	7.2	2.1	.	2.0	.	3.2
Specialists	.3	.1	.	.	.2	.
Rutland County						
Primary Care	22.9	3.2	2.1	1.4	7.4	8.8
Specialists	6.8	.	.8	1.4	1.2	3.4
Washington County						
Primary Care	21.7	3.5	2.0	7.2	5.2	3.8
Specialists	5.7	1.0	.6	2.9	.4	.8
Windham County						
Primary Care	17.1	5.0	2.1	2.4	5.6	2.1
Specialists	1.8	.	1.7	.1	.	.
Windsor County						
Primary Care	18.2	3.2	3.4	4.4	4.8	2.5
Specialists	4.2	.9	.9	.9	.	1.6

All worksites of each dentist are counted in this table (see Note 4).  
See Note 1 for a description of the calculation of ages.

Table 11 -- VT Dentists, 2017  
 Total FTEs by Practice Setting

Type of Practice	Total FTEs	FTEs in Setting				
		Solo Practice	Practice of 2 dentists	Practice of 3+ dentists	Community Clinic	Other Settings
TOTAL	289.7	105.4	81.7	71.8	24.0	6.8
PRIMARY CARE	242.7	86.9	67.8	57.8	23.9	6.5
General	232.1	85.0	67.4	49.4	23.9	6.4
Pediatric	10.7	1.9	.4	8.4	.	.1
SPECIALTY CARE	46.9	18.5	14.0	14.0	.1	.3
Oral Surgery	14.8	4.2	3.4	6.9	.1	.3
Endodontics	7.7	1.1	6.5	.1	.	.
Orthodontics	16.7	9.5	.9	6.2	.	.
Periodontics	5.6	1.8	3.0	.9	.	.
Prosthodontics	1.1	1.0	.1	.	.	.
Other Specialties	1.0	1.0	.	.	.	.

All worksites of each dentist are counted in this table (see Note 4).

Of 446 dentist worksites, 263 were reported as privately owned single-site practices, 117 privately owned multi-site practices, 37 owned by a Federally Qualified Health Center, and 5 hospital-owned. 19 reported membership in a dental support organization.

# Vermont Dentists

## Training



Table 12 -- VT Dentists, 2017  
Dental School Location by Type of Practice

Type of Practice	Total	Number Graduated from Dental School in Region					
		New England	Other Northeast	South	Central	West	Foreign
TOTAL	381	100	114	62	71	15	19
PRIMARY CARE	313	77	98	54	58	12	14
General	299	75	94	51	54	12	13
Pediatric	14	2	4	3	4	.	1
SPECIALTY CARE	68	23	16	8	13	3	5
Oral Surgery	21	5	4	2	6	1	3
Endodontics	13	7	2	1	1	1	1
Orthodontics	22	9	4	4	4	1	.
Periodontics	9	2	3	1	2	.	1
Prosthodontics	2	.	2	.	.	.	.
Other Specialties	1	.	1	.	.	.	.

See note 12 for definition of regions.

211 dentists reported a DDS degree, 170 a DMD.

16 dentists reported Asian race, 7 African American, and 4 Hispanic ethnicity.

Table 13 -- VT Dentists, 2017  
 UVM Dental GPR Program Participation by Type of Practice

Type of Practice	Total	Ever Enrolled in UVM GPR Program		
		Yes	No	Unknown
TOTAL	381	46	332	3
PRIMARY CARE	313	40	272	1
General	299	40	258	1
Pediatric	14	.	14	.
SPECIALTY CARE	68	6	60	2
Oral Surgery	21	3	17	1
Endodontics	13	1	12	.
Orthodontics	22	.	21	1
Periodontics	9	1	8	.
Prosthodontics	2	.	2	.
Other Specialties	1	1	.	.

# Vermont Dentists

## Practice Characteristics





Table 14 -- VT Dentists, 2017  
Practice Setting by Type of Practice, Age and Gender

	Total	Number in Setting				
		Solo Practice	Practice of 2 dentists	Practice of 3+ dentists	Community Clinic	Other Settings
TOTAL	381	130	109	95	28	19
<u>Type of Practice</u>						
General	299	104	86	64	28	17
Pediatric	14	2	1	10	.	1
Oral Surgery	21	5	5	10	.	1
Endodontics	13	2	10	1	.	.
Orthodontics	22	13	1	8	.	.
Periodontics	9	2	5	2	.	.
Prosthodontics	2	1	1	.	.	.
Other Specialties	1	1	.	.	.	.
<u>Age Group</u>						
Younger than 35	51	7	19	19	6	.
35 - 44	82	20	25	25	10	2
45 - 54	65	22	19	19	2	3
55 - 59	48	21	16	7	2	2
60 - 64	45	21	9	11	2	2
65 or older	90	39	21	14	6	10
<u>Gender</u>						
Male	285	105	74	72	18	16
Female	96	25	35	23	10	3

Each dentist is counted once in each section of this table, in his or her main practice setting in Vermont.

Table 15 -- VT Dentists, 2017  
Average Patient Care Hours per Week,  
by Type of Practice and Age

Type of Practice	No. of Dentists	Average Patient Care Hours per Week			
		All Ages	Age < 45	Age 45-59	Age 60+
ALL PRACTICE TYPES	381	31	32	34	28
PRIMARY CARE	313	32	34	34	28
General	299	32	34	34	28
Pediatric	14	31	32	34	25
SPECIALTY CARE	68	29	26	33	26
Oral Surgery	21	29	30	34	19
Endodontics	13	24	29	18	21
Orthodontics	22	32	31	37	29
Periodontics	9	26	7	32	31
Prosthodontics	2	27	.	.	.
Other Specialties	1	46	.	.	.

See Note 1 for a description of the calculation of ages.

Table 16 -- VT Dentists, 2017  
Dentists In Practice with Hygienists and Assistants, by Specialty

Type of practice	Total Dentists	Dentists who work with Dental Hygienists	Dentists who work with Dental Assistants	Work with Expanded Function Dental Assistants	Interested in working with Dental Therapist
TOTAL	381	310 ( 84%)	357 ( 96%)	70 ( 20%)	29 ( 9%)
PRIMARY CARE	313	287 ( 94%)	294 ( 96%)	65 ( 23%)	27 ( 10%)
General	299	274 ( 94%)	280 ( 96%)	65 ( 24%)	26 ( 10%)
Pediatric	14	13 ( 93%)	14 (100%)	0 ( 0%)	1 ( 9%)
SPECIALTY CARE	68	23 ( 35%)	63 ( 95%)	5 ( 8%)	2 ( 3%)
Oral Surgery	21	3 ( 15%)	19 ( 95%)	1 ( 6%)	0 ( 0%)
Endodontics	13	1 ( 8%)	12 (100%)	1 ( 8%)	0 ( 0%)
Orthodontics	22	8 ( 36%)	20 ( 91%)	2 ( 10%)	1 ( 5%)
Periodontics	9	9 (100%)	9 (100%)	1 ( 11%)	1 ( 14%)
Prosthodontics	2	2 (100%)	2 (100%)	0 ( 0%)	0 ( 0%)
Other Specialties	1	0 ( 0%)	1 (100%)	0 ( 0%)	0 ( 0%)

Table 17 -- VT Dentists, 2017  
Dentists In Practice with Hygienists and Assistants, by Setting

Practice Setting	Total Dentists	Dentists who work with Dental Hygienists	Dentists who work with Dental Assistants	Work with Expanded Function Dental Assistants	Interested in working with Dental Therapist
Total	381	310 ( 84%)	357 ( 96%)	70 ( 20%)	29 ( 9%)
Solo Practice	130	101 ( 79%)	117 ( 91%)	10 ( 9%)	6 ( 5%)
2 Dentists	109	92 ( 86%)	107 (100%)	18 ( 18%)	5 ( 5%)
3+ Dentists	95	80 ( 87%)	92 (100%)	29 ( 33%)	8 ( 10%)
Community Clinic	28	28 (100%)	28 (100%)	12 ( 44%)	8 ( 35%)
All Others	19	9 ( 56%)	13 ( 81%)	1 ( 9%)	2 ( 13%)

These tables count dentists, not sites nor hygienists/assistants.  
Multiple dentists may work with the same hygienist(s)/assistant(s).  
Dentists may work with hygienists/assistants in one site but not another.  
10 dentists did not report whether they work with hygienists/assistants.  
Denominators for percentages do not include unknowns.

Table 18 -- VT Dentists, 2017  
Practice Availability by Type of Practice

Type of Practice	Total Dentists	Average Weeks Wait New Patient		Average Weeks Wait Current Patient	
TOTAL OFFICE	362	2.5		2.0	
PRIMARY CARE	295	2.5		2.0	
General	282	2.5		2.0	
Pediatric	13	3.8		2.5	
SPECIALTY CARE	67	2.5		1.8	
Oral Surgery	20	2.6		1.7	
Endodontics	13	2.0		1.8	
Orthodontics	22	1.8		1.5	
Periodontics	9	2.8		1.7	
Prosthodontics	2	9.0		6.0	
Other Specialties	1	16.0		2.0	

Type of Practice	Total Dentists	Accept Any New Patients		Accept 5+ New Patients / Month		Participate in Medicaid
		Non-Medicaid	Medicaid	Non-Medicaid	Medicaid	
		(%)	(%)	(%)	(%)	(%)
TOTAL OFFICE	362	97%	60%	80%	33%	74%
PRIMARY CARE	295	96%	60%	78%	31%	77%
General	282	96%	58%	77%	28%	76%
Pediatric	13	100%	92%	100%	92%	100%
SPECIALTY CARE	67	100%	60%	89%	38%	60%
Oral Surgery	20	100%	89%	90%	63%	89%
Endodontics	13	100%	17%	75%	0%	17%
Orthodontics	22	100%	73%	100%	50%	73%
Periodontics	9	100%	22%	78%	0%	22%
Prosthodontics	2	100%	.%	100%	.%	.%
Other Specialties	1	100%	100%	100%	100%	100%

Dentists were asked if they accept new Medicaid and non-Medicaid patients, and whether they participate in Medicaid, for each site where they practice. In this table each dentist is only counted once. Weeks wait is the minimum in all of that dentist's sites, and a dentist is counted as accepting new patients if they accept new patients at any of their sites.

Data are for office settings only (see Note 11). Prosthodontics excluded from acceptance of Medicaid. Denominators for percentages do not include unknowns (10 for wait time, 7 for Medicaid participation). Denominator for accepting new Medicaid patients includes those not participating. See Note 10 for information about practice availability.

Table 19 -- VT Dentists, 2017  
Practice Availability by County

County	Total Offices	Accept Any New Patients		Accept 5+ New Patients / Month		Average Weeks Wait	Average Weeks Wait
		Non- Medicaid	Medicaid	Non- Medicaid	Medicaid	New Patient	Current Patient
STATEWIDE TOTAL		(%)	(%)	(%)	(%)		
Primary Care	337	96%	60%	78%	32%	2.5	2.0
Specialists	89	99%	67%	89%	45%	2.5	1.8
Addison County							
Primary Care	16	94%	88%	88%	50%	1.3	1.3
Specialists	4	100%	100%	100%	75%	1.3	1.0
Bennington County							
Primary Care	23	95%	55%	64%	27%	2.4	1.6
Specialists	6	100%	83%	100%	67%	1.7	1.7
Caledonia County							
Primary Care	20	89%	67%	72%	50%	3.6	1.9
Specialists	1	100%	100%	100%	0%	.0	1.0
Chittenden County							
Primary Care	108	100%	56%	86%	28%	2.0	1.6
Specialists	38	100%	69%	84%	40%	2.9	1.8
Essex County							
Primary Care	2	100%	100%	100%	100%	3.5	3.5
Specialists	0						
Franklin County							
Primary Care	22	100%	80%	81%	45%	3.8	3.5
Specialists	2	100%	100%	100%	100%	1.0	1.0
Grand Isle County							
Primary Care	1	100%	100%	100%	100%	1.0	1.0
Specialists	0						
Lamoille County							
Primary Care	14	100%	77%	86%	31%	1.4	1.3
Specialists	2	100%	100%	100%	100%	7.0	3.0
Orange County							
Primary Care	9	67%	22%	44%	11%	4.0	2.9
Specialists	0						
Orleans County							
Primary Care	9	100%	100%	89%	89%	4.0	2.9
Specialists	2	100%	100%	100%	100%	1.0	1.0
Rutland County							
Primary Care	33	97%	67%	67%	30%	2.4	2.2
Specialists	13	92%	54%	92%	46%	2.9	2.1
Washington County							
Primary Care	31	97%	43%	71%	20%	2.6	2.0
Specialists	9	100%	57%	88%	43%	2.4	2.1
Windham County							
Primary Care	27	88%	46%	69%	23%	2.5	2.0
Specialists	6	100%	50%	83%	33%	1.7	1.3
Windsor County							
Primary Care	22	95%	50%	86%	18%	3.7	2.9
Specialists	6	100%	33%	83%	0%	1.7	1.8

Data are for office settings only (see Note 11). Each site a dentist practices in is counted separately. 14 missing acceptance of patients and 9 missing weeks wait. Denominators for percentages do not include unknowns. See Note 10 for information about practice availability.

Table 20 -- VT Dentists, 2017  
 Tried to Recruit a Dentist  
 by Type of Practice, Age, and Setting

	Tried to Recruit a Dentist			Did Not Try	
	Total	Success	No Success	Interested	No interest
TOTAL	381	111	29	32	204
Type of Practice					
General	299	84	22	27	162
Pediatric	14	11	.	.	3
Oral Surgery	21	4	3	1	13
Endodontics	13	5	.	.	7
Orthodontics	22	4	1	3	14
Periodontics	9	2	2	1	4
Prosthodontics	2	1	.	.	1
Other Specialties	1	.	1	.	.
Age Group					
Younger than 35	51	20	1	.	29
35 - 44	82	30	5	6	41
45 - 54	65	22	3	2	38
55 - 59	48	9	1	9	27
60 - 64	45	12	5	8	20
65 or older	90	18	14	7	49
Main Setting					
Solo Practice	130	6	13	14	95
2 Dentists	109	28	9	11	59
3+ Dentists	95	54	7	4	30
Community Clinic	28	21	.	2	5
Volunteer Clinic	6	.	.	.	6
Nursing Home	2	.	.	.	2
Other	11	2	.	1	7

The survey asked "have you tried to recruit a dentist to your practice during the last two years?" and allowed the following answers:

- Yes - with success
- Yes - without success
- No, but I would like to recruit a dentist
- No, not interested or not applicable

The survey did not ask, and this table does not report, the number of dentists recruited. Multiple Dentists in the same practice may be reporting the recruitment of the same dentist.

'Total' column includes 5 dentists missing data on recruiting a dentist

Table 21 -- VT Dentists, 2017  
Tried to Recruit a Dentist, by County

Main County	Total	Tried to Recruit a Dentist		Did Not Try	
		Success	No Success	Interested	No interest
STATEWIDE TOTAL					
Primary Care	313	95	22	27	165
Specialists	68	16	7	5	39
Addison County					
Primary Care	15	1	.	2	12
Specialists	2	1	.	.	1
Bennington County					
Primary Care	21	4	1	3	13
Specialists	6	.	.	1	5
Caledonia County					
Primary Care	19	9	3	1	6
Specialists	1	.	1	.	.
Chittenden County					
Primary Care	96	37	3	9	46
Specialists	33	7	6	1	19
Essex County					
Primary Care	2	1	.	.	1
Specialists	0				
Franklin County					
Primary Care	20	6	1	3	10
Specialists	0				
Grand Isle County					
Primary Care	1	.	.	.	1
Specialists	0				
Lamoille County					
Primary Care	13	5	.	.	8
Specialists	0				
Orange County					
Primary Care	9	.	2	1	6
Specialists	0				
Orleans County					
Primary Care	8	4	1	.	3
Specialists	0				
Rutland County					
Primary Care	31	7	6	5	11
Specialists	9	1	.	3	5
Washington County					
Primary Care	25	6	.	2	17
Specialists	6	1	.	.	4
Windham County					
Primary Care	24	9	3	.	12
Specialists	6	4	.	.	2
Windsor County					
Primary Care	29	6	2	1	19
Specialists	5	2	.	.	3

The survey did not ask, and this table does not report, the number of dentists recruited. Multiple Dentists in the same practice may be reporting the same dentist recruited - or same lack of success. 'Total' column includes 5 dentists missing data on recruiting a dentist





# Distribution of Vermont Dentists by Health Care Areas



Table 22 -- VT Dentists, 2017  
 Numbers of Dentists, Full Time Equivalents (FTEs), and  
 Total Weekly Patient Care Hours, by Health Care Area

	Count FTEs Hours	TOTAL	PRIMARY CARE TOTAL	SPECIALTY CARE TOTAL
STATEWIDE TOTAL	381 289.7 11837	313 242.7 9886	68 46.9 1952	
Barre	37 27.4 1113	28 21.7 882	9 5.7 231	
Bennington	30 22.7 928	24 19.1 784	6 3.6 144	
Brattleboro	24 13.8 566	18 12.0 493	6 1.8 73	
Burlington	136 97.6 4006	102 75.9 3076	34 21.7 930	
Middlebury	21 14.3 580	17 12.6 511	4 1.7 69	
Morrisville	22 15.1 619	20 14.8 610	2 .2 9	
Newport	13 9.0 391	11 8.8 381	2 .3 11	
Randolph	23 14.4 580	20 11.8 474	3 2.6 106	
Rutland	47 29.7 1204	34 22.9 926	13 6.8 278	
Springfield	14 9.7 390	13 8.8 353	1 .9 37	
St. Albans	25 18.0 730	23 17.2 698	2 .8 32	
St. Johnsbury	15 9.4 380	14 9.3 374	1 .1 6	
Upper Valley	4 3.5 148	4 3.5 148	. . .	
Windsor	8 5.0 203	6 4.4 174	2 .7 29	

In this table dentists may be counted in more than one HCA (Note 4).

Table 23 -- VT Dentists, 2017  
FTEs by Age by Health Care Area

Health Care Area	Total	FTEs in Age Group				
		<35	35-44	45-54	55-64	65+
STATEWIDE TOTAL						
Total	289.7	42.1	63.6	53.6	73.4	57.0
Primary Care	242.7	39.5	53.5	38.5	64.9	46.3
Specialists	46.9	2.6	10.1	15.1	8.5	10.7
Barre						
Primary Care	21.7	3.5	2.0	7.2	5.2	3.8
Specialists	5.7	1.0	.6	2.9	.4	.8
Bennington						
Primary Care	19.1	1.5	4.4	1.8	6.2	5.2
Specialists	3.6	.2	.	1.4	.8	1.2
Brattleboro						
Primary Care	12.0	5.0	1.0	1.6	3.0	1.4
Specialists	1.8	.	1.7	.1	.	.
Burlington						
Primary Care	75.9	11.0	24.8	8.6	22.4	9.0
Specialists	21.7	.3	5.3	7.0	5.4	3.8
Middlebury						
Primary Care	12.6	.	5.0	2.7	2.6	2.3
Specialists	1.7	.1	.	1.4	.2	.
Morrisville						
Primary Care	14.8	2.9	4.0	1.8	3.0	3.1
Specialists	.2	.	<.05	.	.2	.
Newport						
Primary Care	8.8	2.8	.8	2.0	.	3.2
Specialists	.3	.1	.	.	.2	.
Randolph						
Primary Care	11.8	2.4	.7	4.3	2.4	2.0
Specialists	2.6	.9	.9	.	.	.9
Rutland						
Primary Care	22.9	3.2	2.1	1.4	7.4	8.8
Specialists	6.8	.	.8	1.4	1.2	3.4
Springfield						
Primary Care	8.8	.8	1.4	3.4	3.3	.
Specialists	.9	.	.	.9	.	.
St. Albans						
Primary Care	17.2	3.7	3.1	1.0	6.0	3.3
Specialists	.8	.	.8	.	.	.
St. Johnsbury						
Primary Care	9.3	2.6	.8	1.1	2.6	2.2
Specialists	.1	.	.	.	.1	.
Upper Valley						
Primary Care	3.5	.	1.0	1.6	.	.9
Specialists	.	.	.	.	.	.
Windsor						
Primary Care	4.4	.	2.4	.	.8	1.2
Specialists	.7	.	.	.	.	.7

All worksites of each dentist are counted in this table (see Note 4).  
See Note 1 regarding determination of ages.

Table 24 -- VT Dentists, 2017  
 Primary Care Dentistry FTE to Population Ratios  
 by Health Care Area

Health Care Area	FTEs	Population	FTEs per 100,000	Population per FTE
STATEWIDE TOTAL	242.7	624,594	38.9	2,573
Barre	21.7	64,155	33.9	2,954
Bennington	19.1	39,140	48.9	2,045
Brattleboro	12.0	31,789	37.7	2,655
Burlington	75.9	177,329	42.8	2,338
Middlebury	12.6	28,468	44.3	2,256
Morrisville	14.8	30,330	49.0	2,043
Newport	8.8	27,733	31.6	3,169
Randolph	11.8	35,042	33.8	2,958
Rutland	22.9	60,026	38.1	2,626
Springfield	8.8	27,859	31.7	3,155
St. Albans	17.2	45,444	37.8	2,648
St. Johnsbury	9.3	27,818	33.4	2,990
Upper Valley	3.5	16,371	21.4	4,677
Windsor	4.4	13,090	33.2	3,009

Only General and Pediatric dentists are included.

Population estimates are for 2016 (see Note 7).

All worksites of each dentist are counted in this table (Note 4).

One FTE is defined as 40 (or more) hours/week, 48 weeks/year, in Vermont (see Note 22).

The FTEs are rounded to one decimal for display only.  
 The ratios were calculated using the unrounded values.

Table 25 -- VT Dentists, 2017  
Practice Availability by Health Care Area

Health Care Area	Total Offices	Accept Any New Patients		Accept 5+ New Patients / Month		Average Weeks Wait New Patient	Average Weeks Wait Current Patient
		Non-Medicaid	Medicaid	Non-Medicaid	Medicaid		
STATEWIDE TOTAL		(%)	(%)	(%)	(%)		
Primary Care	337	96%	60%	78%	32%	2.5	2.0
Specialists	89	99%	67%	89%	45%	2.5	1.8
Barre							
Primary Care	31	97%	43%	71%	20%	2.6	2.0
Specialists	9	100%	57%	88%	43%	2.4	2.1
Bennington							
Primary Care	26	92%	52%	64%	28%	2.5	1.7
Specialists	6	100%	83%	100%	67%	1.7	1.7
Brattleboro							
Primary Care	20	89%	53%	63%	21%	2.8	1.8
Specialists	6	100%	50%	83%	33%	1.7	1.3
Burlington							
Primary Care	109	100%	57%	86%	28%	1.9	1.6
Specialists	38	100%	69%	84%	40%	2.9	1.8
Middlebury							
Primary Care	16	94%	88%	88%	50%	1.3	1.3
Specialists	4	100%	100%	100%	75%	1.3	1.0
Morrisville							
Primary Care	20	100%	72%	84%	39%	2.5	1.8
Specialists	2	100%	100%	100%	100%	7.0	3.0
Newport							
Primary Care	11	100%	100%	91%	91%	3.9	3.0
Specialists	2	100%	100%	100%	100%	1.0	1.0
Randolph							
Primary Care	15	93%	33%	87%	20%	3.0	2.1
Specialists	3	100%	33%	100%	0%	2.0	1.7
Rutland							
Primary Care	33	97%	67%	67%	30%	2.4	2.2
Specialists	13	92%	54%	92%	46%	2.9	2.1
Springfield							
Primary Care	10	100%	60%	80%	20%	3.2	2.8
Specialists	1	100%	0%	100%	0%	2.0	4.0
St. Albans							
Primary Care	22	100%	80%	81%	45%	3.8	3.5
Specialists	2	100%	100%	100%	100%	1.0	1.0
St. Johnsbury							
Primary Care	14	85%	69%	69%	46%	2.8	1.4
Specialists	1	100%	100%	100%	0%	.0	1.0
Upper Valley							
Primary Care	4	50%	25%	25%	0%	8.0	4.5
Specialists	0						
Windsor							
Primary Care	6	83%	33%	83%	17%	3.0	3.3
Specialists	2	100%	50%	50%	0%	1.0	1.0

Data are for office settings only (see Note 11). Each site a dentist practices in is counted separately. Denominators for percentages do not include unknowns (9 missing weeks wait and 14 missing acceptance of patients). See Note 10 for information about practice availability.

# Distribution of Vermont Dentists by Local Health Districts





Table 26 -- VT Dentists, 2017  
 Numbers of Dentists, Full Time Equivalent (FTEs), and  
 Total Weekly Patient Care Hours, by Local Health District

	Count FTEs Hours	TOTAL	PRIMARY CARE TOTAL	SPECIALTY CARE TOTAL
STATEWIDE TOTAL		381 289.7 11837	313 242.7 9886	68 46.9 1952
Barre		37 27.4 1113	28 21.7 882	9 5.7 231
Bennington		27 20.3 821	21 16.7 677	6 3.6 144
Brattleboro		27 16.2 673	21 14.4 600	6 1.8 73
Burlington		135 96.8 3975	101 75.1 3045	34 21.7 930
Middlebury		21 14.3 580	17 12.6 511	4 1.7 69
Morrisville		22 15.1 619	20 14.8 610	2 .2 9
Newport		13 9.0 391	11 8.8 381	2 .3 11
Rutland		47 29.7 1204	34 22.9 926	13 6.8 278
Springfield		15 9.9 397	13 8.8 353	2 1.1 43
St. Albans		26 18.7 762	24 17.9 729	2 .8 32
St. Johnsbury		15 9.4 380	14 9.3 374	1 .1 6
Wht Rvr Jct		34 22.8 924	30 19.7 796	4 3.1 128

In this table dentists may be counted in more than one district  
 (see Note 4).

Table 27 -- VT Dentists, 2017  
FTEs by Age by Local Health District

District	Total	FTEs in Age Group				
		<35	35-44	45-54	55-64	65+
STATEWIDE TOTAL						
Total	289.7	42.1	63.6	53.6	73.4	57.0
Primary Care	242.7	39.5	53.5	38.5	64.9	46.3
Specialists	46.9	2.6	10.1	15.1	8.5	10.7
Barre						
Primary Care	21.7	3.5	2.0	7.2	5.2	3.8
Specialists	5.7	1.0	.6	2.9	.4	.8
Bennington						
Primary Care	16.7	1.5	4.4	1.8	4.6	4.5
Specialists	3.6	.2	.	1.4	.8	1.2
Brattleboro						
Primary Care	14.4	5.0	1.0	1.6	4.7	2.1
Specialists	1.8	.	1.7	.1	.	.
Burlington						
Primary Care	75.1	11.0	24.8	8.6	22.4	8.2
Specialists	21.7	.3	5.3	7.0	5.4	3.8
Middlebury						
Primary Care	12.6	.	5.0	2.7	2.6	2.3
Specialists	1.7	.1	.	1.4	.2	.
Morrisville						
Primary Care	14.8	2.9	4.0	1.8	3.0	3.1
Specialists	.2	.	<.05	.	.2	.
Newport						
Primary Care	8.8	2.8	.8	2.0	.	3.2
Specialists	.3	.1	.	.	.2	.
Rutland						
Primary Care	22.9	3.2	2.1	1.4	7.4	8.8
Specialists	6.8	.	.8	1.4	1.2	3.4
Springfield						
Primary Care	8.8	.8	1.4	3.4	3.3	.
Specialists	1.1	.	.	.9	.	.1
St. Albans						
Primary Care	17.9	3.7	3.1	1.0	6.0	4.1
Specialists	.8	.	.8	.	.	.
St. Johnsbury						
Primary Care	9.3	2.6	.8	1.1	2.6	2.2
Specialists	.1	.	.	.	.1	.
Wht Rvr Jct						
Primary Care	19.7	2.4	4.1	5.9	3.2	4.1
Specialists	3.1	.9	.9	.	.	1.4

All worksites of each dentist are counted in this table (see Note 4).  
See Note 1 regarding determination of ages.

Table 28 -- VT Dentists, 2017  
 Primary Care Dentistry FTE to Population Ratios  
 by Local Health District

District	FTEs	Population	FTEs per 100,000	Population per FTE
STATEWIDE TOTAL	242.7	624,594	38.9	2,573
Barre	21.7	65,700	33.1	3,025
Bennington	16.7	36,191	46.2	2,163
Brattleboro	14.4	35,291	40.7	2,454
Burlington	75.1	161,501	46.5	2,151
Middlebury	12.6	36,825	34.3	2,918
Morrisville	14.8	31,216	47.6	2,103
Newport	8.8	27,733	31.6	3,169
Rutland	22.9	59,474	38.4	2,602
Springfield	8.8	33,055	26.7	3,744
St. Albans	17.9	55,834	32.1	3,112
St. Johnsbury	9.3	34,012	27.4	3,656
Wht Rvr Jct	19.7	47,762	41.2	2,425

Only General and Pediatric dentists are included.

Population estimates are for 2016 (see Note 7).

All worksites of each dentist are counted in this table (Note 4).

One FTE is defined as 40 (or more) hours/week, 48 weeks/year, in Vermont (see Note 22).

The FTEs are rounded to one decimal for display only.  
 The ratios were calculated using the unrounded values.

Table 29 -- VT Dentists, 2017  
Practice Availability by Local Health District

District	Total Offices	Accept Any New Patients		Accept 5+ New Patients / Month		Average Weeks Wait New Patient	Average Weeks Wait Current Patient
		Non- Medicaid	Medicaid	Non- Medicaid	Medicaid		
STATEWIDE TOTAL		(%)	(%)	(%)	(%)		
Primary Care	337	96%	60%	78%	32%	2.5	2.0
Specialists	89	99%	67%	89%	45%	2.5	1.8
Barre							
Primary Care	31	97%	43%	71%	20%	2.6	2.0
Specialists	9	100%	57%	88%	43%	2.4	2.1
Bennington							
Primary Care	23	95%	55%	64%	27%	2.4	1.6
Specialists	6	100%	83%	100%	67%	1.7	1.7
Brattleboro							
Primary Care	23	86%	50%	64%	23%	2.8	1.9
Specialists	6	100%	50%	83%	33%	1.7	1.3
Burlington							
Primary Care	108	100%	56%	86%	28%	2.0	1.6
Specialists	38	100%	69%	84%	40%	2.9	1.8
Middlebury							
Primary Care	16	94%	88%	88%	50%	1.3	1.3
Specialists	4	100%	100%	100%	75%	1.3	1.0
Morrisville							
Primary Care	20	100%	72%	84%	39%	2.5	1.8
Specialists	2	100%	100%	100%	100%	7.0	3.0
Newport							
Primary Care	11	100%	100%	91%	91%	3.9	3.0
Specialists	2	100%	100%	100%	100%	1.0	1.0
Rutland							
Primary Care	33	97%	67%	67%	30%	2.4	2.2
Specialists	13	92%	54%	92%	46%	2.9	2.1
Springfield							
Primary Care	10	100%	60%	80%	20%	3.2	2.8
Specialists	2	100%	50%	50%	0%	2.0	3.0
St. Albans							
Primary Care	23	100%	81%	82%	48%	3.6	3.4
Specialists	2	100%	100%	100%	100%	1.0	1.0
St. Johnsbury							
Primary Care	14	85%	69%	69%	46%	2.8	1.4
Specialists	1	100%	100%	100%	0%	.0	1.0
Wht Rvr Jct							
Primary Care	25	84%	32%	76%	16%	3.5	2.8
Specialists	4	100%	25%	100%	0%	1.5	1.3

Data are for office settings only (see Note 11). Each site a dentist practices in is counted separately. Denominators for percentages do not include unknowns (9 missing weeks wait and 14 missing acceptance of patients). See Note 10 for information about practice availability.

# Vermont Dentists

## Comparisons Between 2007, 2015 and 2017



Table 30 -- VT Dentists, 2015 and 2017  
 Summary of Active Dentists, 2015 vs. 2017

	2015	2017	Change	
TOTAL	383	381	-2	-1%
Type of Practice:				
Primary Care Total	312	313	+1	+0%
General	301	299	-2	-1%
Pediatric	11	14	+3	+27%
Specialty Care Total	71	68	-3	-4%
Oral Surgery	21	21	0	0%
Endodontics	13	13	0	0%
Orthodontics	23	22	-1	-4%
Periodontics	10	9	-1	-10%
Prosthodontics	2	2	0	0%
Other Specialties	2	1	-1	-50%
Age groups:				
Younger than 35	45	51	+6	+13%
35 - 39	37	44	+7	+19%
40 - 44	42	38	-4	-10%
45 - 49	31	33	+2	+6%
50 - 54	36	32	-4	-11%
55 - 59	57	48	-9	-16%
60 - 64	53	45	-8	-15%
65 and older	82	90	+8	+10%
Gender:				
Male	294	285	-9	-3%
Female	89	96	+7	+8%
Patient care hours:				
40 or more hours/week	83	80	-3	-4%
30 to under 40 hours/week	196	208	+12	+6%
Less than 30 hours/week	104	93	-11	-11%
Number of practice sites:				
One	324	325	+1	+0%
Two	52	47	-5	-10%
Three or more	7	9	+2	+29%
Tried to add an associate:				
Yes, with success	93	111	+18	+19%
Yes, without success	39	29	-10	-26%
Interested but did not try	35	32	-3	-9%
Not interested	213	204	-9	-4%
Unknown	3	5		

Table 31 -- VT Dentists, 2015 and 2017  
Full Time Equivalent (FTEs) by County

PRIMARY CARE:

	2015	2017	Change
	<hr/>	<hr/>	<hr/>
STATE TOTAL	240.1	242.7	+2.6
Addison County	9.3	12.6	+3.3
Bennington County	16.5	16.7	+.2
Caledonia County	12.3	13.3	+1.0
Chittenden County	76.5	75.1	-1.4
Essex County	2.3	1.6	-.7
Franklin County	16.4	17.2	+.8
Grand Isle County	.7	.8	+.1
Lamoille County	10.0	10.8	+.8
Orange County	7.2	7.5	+.3
Orleans County	4.6	7.2	+2.6
Rutland County	24.8	22.9	-1.9
Washington County	23.9	21.7	-2.2
Windham County	18.7	17.1	-1.6
Windsor County	16.8	18.2	+1.4

SPECIALTY CARE:

	2015	2017	Change
	<hr/>	<hr/>	<hr/>
STATE TOTAL	50.0	46.9	-3.1
Addison County	2.2	1.7	-.5
Bennington County	3.1	3.6	+.5
Caledonia County	.2	.1	-.1
Chittenden County	23.8	21.7	-2.1
Essex County	.	.	.
Franklin County	1.0	.8	-.2
Grand Isle County	.	.	.
Lamoille County	.2	.2	.
Orange County	.	.	.
Orleans County	.2	.3	+.1
Rutland County	6.5	6.8	+.3
Washington County	6.4	5.7	-.7
Windham County	2.0	1.8	-.2
Windsor County	4.5	4.2	-.3



Table 32 -- VT Dentists, 2015 and 2017  
 Full Time Equivalents (FTEs) of Dentists Who Stopped or Started  
 Vermont Practice Between 2015 and 2017, by Type and by County

County	Change in FTEs of those who stayed	FTEs of those dentists who:		Net Change in FTEs
		Stopped Practice	Started Practice	
TOTAL	3.1	38.8	35.3	-.4
By type of practice:				
General	3.4	30.0	27.0	.4
Pediatric	-.4	.1	2.8	2.3
Oral Surgery	.3	3.2	3.1	.2
Endodontics	.1	2.1	2.1	.1
Orthodontics	-.1	1.5	1.0	-.6
Periodontics	-.1	1.8	.1	-1.8
Prosthodontics	.	.1	.1	.0
Other Specialties	.	1.0	.	-1.0
By County:				
Addison	1.2	.3	2.0	2.8
Bennington	-.7	2.9	4.3	.7
Caledonia	-1.3	.1	2.6	1.2
Chittenden	.8	15.3	11.0	-3.5
Essex	.2	1.7	.8	-.8
Franklin	-.5	2.8	3.9	.6
Grand Isle	.1	.	.	.1
Lamoille	-.2	1.1	2.1	.8
Orange	.3	.	.	.3
Orleans	-.5	.8	3.9	2.7
Rutland	-.5	4.9	3.8	-1.6
Washington	.9	6.8	2.9	-2.9
Windham	.4	6.7	4.5	-1.8
Windsor	1.5	3.2	2.8	1.2

All worksites of each dentist are counted in this table (see Note 4).  
 FTEs in "Stopped Practice" column are from 2015 survey.  
 FTEs in "Started Practice" column are from 2017 survey.  
 "STATEWIDE" row ignores inter-county movements.  
 County numbers therefore do not add up to the statewide number.

One FTE is defined as 40 (or more) hours/week, 48 weeks/year,  
 in Vermont (see Note 22).

Table 33 -- VT Dentists, 2007 and 2017  
Summary of Active Dentists, 2007 vs. 2017

	2007	2017	Change	
	<hr/>	<hr/>	<hr/>	<hr/>
TOTAL	355	381	+26	+7%
Type of Practice:				
Primary Care Total	282	313	+31	+11%
General	272	299	+27	+10%
Pediatric	10	14	+4	+40%
Specialty Care Total	73	68	-5	-7%
Oral Surgery	24	21	-3	-13%
Endodontics	7	13	+6	+86%
Orthodontics	27	22	-5	-19%
Periodontics	11	9	-2	-18%
Prosthodontics	2	2	0	0%
Other Specialties	2	1	-1	-50%
Age groups:				
Younger than 35	33	51	+18	+55%
35 - 39	25	44	+19	+76%
40 - 44	35	38	+3	+9%
45 - 49	51	33	-18	-35%
50 - 54	55	32	-23	-42%
55 - 59	64	48	-16	-25%
60 - 64	57	45	-12	-21%
65 and older	34	90	+56	+165%
Unknown	1	0		
Gender:				
Male	301	285	-16	-5%
Female	54	96	+42	+78%
Patient care hours:				
40 or more hours/week	59	80	+21	+36%
30 to under 40 hours/week	191	208	+17	+9%
Less than 30 hours/week	105	93	-12	-11%
Number of practice sites:				
One	300	325	+25	+8%
Two	38	47	+9	+24%
Three or more	17	9	-8	-47%
Tried to add an associate:				
Yes, with success	69	111	+42	+61%
Yes, without success	42	29	-13	-31%
Interested but did not try	49	32	-17	-35%
Not interested	183	204	+21	+11%
Unknown	12	5		

Table 34 -- VT Dentists, 2007 and 2017  
Full Time Equivalents (FTEs) by County

PRIMARY CARE:

	2007	2017	Change
	<hr/>	<hr/>	<hr/>
STATE TOTAL	221.6	242.7	+21.1
Addison County	8.8	12.6	+3.8
Bennington County	15.1	16.7	+1.6
Caledonia County	11.0	13.3	+2.3
Chittenden County	66.3	75.1	+8.8
Essex County	.8	1.6	+.8
Franklin County	12.7	17.2	+4.5
Grand Isle County	.9	.8	-.1
Lamoille County	8.0	10.8	+2.8
Orange County	7.4	7.5	+.1
Orleans County	5.2	7.2	+2.0
Rutland County	24.8	22.9	-1.9
Washington County	21.7	21.7	.
Windham County	19.5	17.1	-2.4
Windsor County	19.3	18.2	-1.1

SPECIALTY CARE:

	2007	2017	Change
	<hr/>	<hr/>	<hr/>
STATE TOTAL	48.2	46.9	-1.3
Addison County	1.5	1.7	+.2
Bennington County	3.6	3.6	.
Caledonia County	1.8	.1	-1.7
Chittenden County	21.2	21.7	+.5
Essex County	.	.	.
Franklin County	2.0	.8	-1.2
Grand Isle County	.	.	.
Lamoille County	.2	.2	.
Orange County	.	.	.
Orleans County	.6	.3	-.3
Rutland County	5.5	6.8	+1.3
Washington County	5.2	5.7	+.5
Windham County	3.1	1.8	-1.3
Windsor County	3.5	4.2	+.7



# Appendices



## **Appendix A.** General Notes and Terms

### **Definition of Active Dentist**

A dentist who relicensed (in September 2017) for the period 2017-2019 in Vermont, and who provided at least two patient care hours per week in Vermont on the average as reported in the survey, is considered an active dentist. Only *active* dentists are reported. Those who hold a Vermont license but are not actively in practice in Vermont are excluded from all tables.

### **Type of Practice**

Dentists reported their type of practice using a list of predefined options that were provided on the survey form in question 2 (see Appendix C). Only general and pediatric dentistry were considered “primary care” in this report.

**General Practitioner** – includes general practice and family practice;

**Oral and maxillofacial surgery;**

**Endodontics;**

**Orthodontics;**

**Pediatric dentistry** – includes only those dentists certified as pediatric dentists;

**Periodontics;**

**Prosthodontics;**

**Public Health;** and

**Other** – dentists not included in the above types of primary practice.

### **Practice Setting**

The practice setting is the context in which patient care is given. Practice settings were reported on pages 3-4 of the survey instrument (see Appendix C) and were categorized in the following way for presentation in some of the tables:

**Solo practice;**

**Practice of 2 dentists;**

**Practice of 3 or more dentists;**

**Community Clinic;** and

**Other setting** – all other settings.

### **Main setting**

Main setting is the practice setting in which the dentist provides the greatest number of patient care hours.

### **Health Care Areas**

The Health Care Areas in this report are those used by the Vermont Blueprint for Health. They differ somewhat from the Hospital Service Areas, especially in the White River Junction area. See the map in Appendix E.

**Definition of Full Time Equivalent (FTE)**

Full time is defined as 40 (or more) patient care hours (in Vermont) per week, 48 weeks per year. A dentist reporting more than 40 hours per week is defined as *one* FTE regardless of the number of hours. See the following examples:

		<u>Hours</u>	<u>FTE</u>
Example 1:	Site 1	10	0.25
	Site 2	10	0.25
	Total	20	0.50
Example 2:	Site 1	20	0.50
	Site 2	20	0.50
	Total	40	1.00
Example 3:	Site 1	35	0.50
	Site 2	35	0.50
	Total	70	1.00

In the first example, the dentist works half-time and has hours split equally between site 1 and 2. The pattern is the same in Example 2, except the hours total 40 for 1.0 FTE. In the third example the dentist spends 70 hours per week in patient care. This is calculated as 1.0 FTE total, and 0.5 FTE for each of the 35 weekly hours spent on site 1 and 2 care.

**Main County (or local health district or health care area)**

Main county is the county in which the dentist practices the greatest number of patient care hours. In case of a tie, with the same number of hours in two counties, the county that is first in alphabetical order is chosen. Similarly for other geographical areas.

**Numerical precision**

Most numbers are displayed in finite precision in that they are individually rounded. Thus, some rows or columns of numbers may not add exactly to the displayed total (to the last, rightmost digit). This applies to FTEs, percentages and hours, for example, whether the numerals displayed are decimal or whole numbers. Counts of dentists are exact integers, however, and should add up to displayed totals.

**Tables displaying each dentist in a single cell vs. multiple-count tables**

Most of the tables contain information that is individual-based (e.g., age, sex, and years in practice). Each dentist is represented in only one cell in the table. Those with more than one practice site or setting, are counted only in the row and column representing their practice type, main setting, or main practice location.

Other tables may have some dentists counted in more than one row or column, if they work in more than one site, and thus the numbers in the “total” row or column may be less than the sum of the rows or columns. Wherever this is the case, it is stated in the notes specific to that table.



## **Appendix B.**

Notes for specific tables (referred to by number)

### **1. Calculation of Age**

Age was calculated as 2017 minus the year of birth. Ages in earlier years, referred to in some tables, are as of those earlier times.

(Notes 2 and 3 skipped intentionally)

### **4. Notes regarding tables listing provider Full Time Equivalents (FTE) and Hours by County (or district, or other areas):**

These tables count each provider who provides care in that county or area. The same provider may be counted in more than one area.

Because of this inclusive approach taken in tallying providers across their practice locations, the numbers in the “Total” rows and “Total” columns will generally be less than the sum of the individual rows and columns. This applies, for example, to the state totals, which will be less than the sum of the county-level counts. Unlike the totals for the counts of providers, however, the numbers listed in the “Total” rows and “Total” columns for the “FTE” and “Hours” statistics *do* equal the sums of the individual items (except for rounding error).

(Notes 5 and 6 skipped intentionally)

### **7. Population Estimates**

Population estimates are for July 2016 and were provided by the Department of Health. These estimates are a slightly modified version of the Census Bureau estimates. Estimates for 2017 were not yet available in time for this publication.

(Note 8 skipped intentionally)

### **9. “Main” Setting, and “Main” County or district determined independently**

Each provider’s main practice setting and main county or district of practice are determined independently, and are used to determine the row and column in the table in which the provider will be counted.

10. **Notes regarding Availability of Care**

The survey form allowed the provider to answer the “availability” questions (e.g., whether they accept new patients) separately for each site. In the past, in the tables about availability of care, the unit of counting was neither the provider nor the site, but rather the provider - site association. In this report, that is still true for the tables reporting availability by areas (Tables 19, 25, and 29), but the table reporting availability by type of practice (Table 18) counts each provider only once.

Dentists were not asked about Medicare patients, since Medicare does not cover dental care. Prosthodontics are excluded from reported acceptance of Medicaid patients, since Medicaid does not cover prosthodontic care.

Weeks wait for appointment were considered unknown if reported as 40 or more weeks, or equal to the weeks worked per year.

11. **Office settings only**

Only office settings are counted. Included are private practices (both solo and group) and community health centers. Volunteer work is not counted here.

12. **Geographical Regions**

States were grouped into the following regions:

**Northeast:**

New England: ME, NH, VT, MA, CT, RI

Other Northeast: NY, NJ, PA

**South:**

South Atlantic: DE, MD, DC, VA, WV, NC, SC, GA, FL

East South Central: KY, TN, AL, MS

West South Central: AR, OK, LA, TX

**North Central:**

East North Central: OH, IN, IL, MI, WI

West North Central: MN, IA, MO, ND, SD, NE, KS

**West:**

Mountain: MT, WY, CO, NM, ID, UT, AZ, NV

Pacific: WA, OR, CA, AK, HI

(Notes 13 through 21 skipped intentionally)

22. **Patient Care Hours**

"Full Time" is defined here as 40 (or more) hours of direct patient care per week in Vermont for 48 weeks per year. Average weekly hours based on 48 weeks per year were computed for providers who worked more or less than 48 weeks per year.





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# VERMONT DEPARTMENT OF HEALTH CENSUS OF DENTISTS 2017

This census is designed to assess the distribution of dentists throughout the state and assist in recruitment and retention efforts. If you have any questions, please contact the Department of Health at (802) 863-7300 or 1-800-869-2871. Thank you for your cooperation.

2

Vermont License Number

0	1	6	-							
---	---	---	---	--	--	--	--	--	--	--

(Please re-enter your license number for scanning purposes)

10. What is your employment status? (check all that apply)

- Working IN VERMONT in a job that requires a Dentist license
- Working outside Vermont in a job that requires a Dentist license
- Working in a job that does not require a Dentist license
- Not currently working
- Retired

**If not currently working as a dentist in Vermont:**

11. Do you plan to start (or resume) clinical practice in Vermont within the next 12 months?  Yes  No  Unsure

**\* IF YOU DO NOT CURRENTLY WORK AS A DENTIST IN VERMONT, PLEASE STOP HERE AND RETURN SURVEY**

12. In what year did you first start working as a dentist IN VERMONT?

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13. Were you ever enrolled in the Fletcher Allen Health Care/UVM dental GPR program?  Yes  No

14. If you have an NPI please enter it here:

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15. What are your plans for the next 12 months regarding direct client/patient care in Vermont?

- Continue as you are
- Increase hours
- Decrease hours
- Leave Vermont practice
- Seek non-clinical job
- Retire
- Unknown

16. Have you tried to recruit a dentist during the last two years?

- Yes - with success
- Yes - without success
- No, but I would like to recruit a dentist
- No, not interested or not applicable

17. Are you interested in working with a Dental Therapist?

- Yes
- No
- Unsure

Please continue on next page. Thank you.

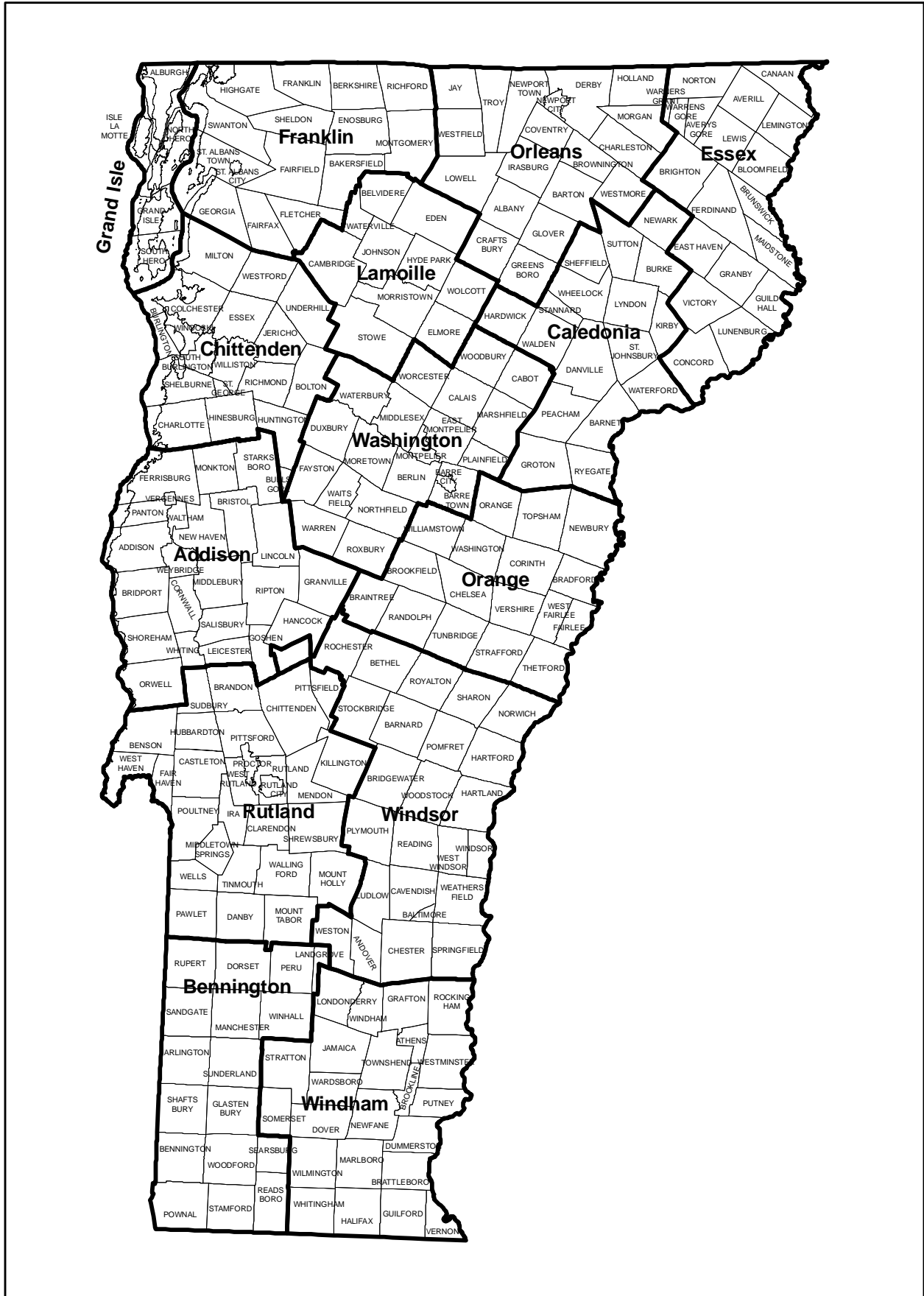
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# Appendix D: Vermont Counties and Towns



Appendix E: Health Care Areas used by the Vermont Blueprint for Health





# Appendix F: Local Health Districts

