

Vermont Department of Health

2015 Dentist Survey

Statistical Report

2015 Dentist Survey

Statistical Report

State of Vermont
Peter Shumlin, Governor

Agency of Human Services
Hal Cohen, Secretary

Department of Health
Harry Chen, MD, Commissioner

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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, 2015. 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 2015. 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.

Included in this report are dentists who provide patient care in Vermont. A number of dentists maintain Vermont licenses even though they do not practice in Vermont. These dentists are excluded from this report. Also excluded are 13 dentists that reported fewer than 2 patient care hours per week on the average.

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.

Summary of the 2015 Dentist Survey Results

- ◆ This report includes data reported by 383 dentists providing patient care in Vermont. This represents 290.1 full-time equivalents, of which 240.1 are in primary care.
- ◆ 312 dentists work mainly in primary care including:
 - 301 General
 - 11 Pediatric
- ◆ 71 dentists provide mainly specialty care including:
 - 21 Oral Surgery
 - 13 Endodontics
 - 23 Orthodontics
 - 10 Periodontics
 - 2 Prosthodontics
 - 2 Other Specialties
- ◆ Patient care hours per week (does *not* include administration, teaching, and research):
 - 22% 40 or more hours per week
 - 51% 30 to 39 hours per week
 - 27% less than 30 hours per week
- ◆ 89, or 23%, of the dentists are female. Of the 155 dentists under age 50, 53 (34%) are female.
- ◆ 192 (50%) of the dentists are 55 or older, and 82 (21%) are 65 or older.
- ◆ In Rutland County, 61% of the general dentists are 60 or older - 42% are 65 or older.
- ◆ There was a net decrease of 12 dentists in the 45-54 age group between 2013 and 2015, and a net increase of 14 in the 55+ age group, including an increase of 6 in the 65+ age group.
- ◆ There are 14 more dentists providing patient care in Vermont in 2015 than in 2013, but the total primary care FTEs increased by only 1.7, and specialist FTEs decreased by 2.4.
- ◆ As compared with 2013, more dentists are providing less than 30 hours of patient care per week.
- ◆ As compared with 2013, the largest increases in primary care FTEs were in Bennington, Chittenden, and Washington counties. The largest decreases were in Rutland, Windsor and Orleans counties.
- ◆ The reported percentage accepting new patients is 95%, higher than in 2013, and the percentage accepting new Medicaid patients is 65%, about the same as in 2013.
- ◆ Relative to 2013, the average reported weeks wait for an appointment for a new patient with a general dentist has increased, from 3.2 to 3.6 weeks, although it has decreased from 4.0 to 3.5 weeks for new patients of pediatric dentists.

Comparison of Selected Data, 2005-2015

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

* providing patient care in Vermont

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

§ average reported weeks wait, with outliers (≥ 40 weeks) dropped

Vermont Dentists

Demographic Characteristics

Table 1 -- VT Dentists, 2015
Summary of Active Dentists

TOTAL	383	(100%)
Type of Practice:		
Primary Care Total	312	(81%)
General	301	(79%)
Pediatric	11	(3%)
Specialty Care Total	71	(19%)
Oral Surgery	21	(5%)
Endodontics	13	(3%)
Orthodontics	23	(6%)
Periodontics	10	(3%)
Prosthodontics	2	(1%)
Other Specialties	2	(1%)
Age groups:		
less than 35	45	(12%)
35 - 39	37	(10%)
40 - 44	42	(11%)
45 - 49	31	(8%)
50 - 54	36	(9%)
55 - 59	57	(15%)
60 - 64	53	(14%)
65 - 69	45	(12%)
70 and over	37	(10%)
Gender:		
Male	294	(77%)
Female	89	(23%)
Patient care hours:		
less than 30 hours/week	104	(27%)
30 to 39 hours/week	196	(51%)
40 or more hours/week	83	(22%)
Number of practice sites:		
One	324	(85%)
Two	52	(14%)
Three or more	7	(2%)
Tried to add an associate in past 2 years:		
Yes, with success	93	(24%)
Yes, without success	39	(10%)
Interested but did not try	35	(9%)
Not interested	213	(56%)
Unknown	3	

Table 2 -- VT Dentists, 2015
Age by Type of Practice and by Gender

	Total	Number in Age Group							
		<35	35-39	40-44	45-49	50-54	55-59	60-64	65+
TOTAL	383	45	37	42	31	36	57	53	82
MALES	294	23	27	31	21	24	47	44	77
FEMALES	89	22	10	11	10	12	10	9	5
PRIMARY CARE	312	39	30	33	21	29	47	45	68
General	301	39	28	32	20	28	46	43	65
Pediatric	11	.	2	1	1	1	1	2	3
SPECIALTY CARE	71	6	7	9	10	7	10	8	14
Oral Surgery	21	1	4	3	5	.	3	2	3
Endodontics	13	4	.	1	2	1	.	.	5
Orthodontics	23	1	2	3	3	3	4	4	3
Periodontics	10	.	1	2	.	3	1	1	2
Prosthodontics	2	.	.	.	.	.	1	1	.
Other Specialties	2	.	.	.	.	.	1	.	1

	Total	Percent in Age Group							
		<35	35-39	40-44	45-49	50-54	55-59	60-64	65+
TOTAL	100%	12%	10%	11%	8%	9%	15%	14%	21%
MALES	100%	8%	9%	11%	7%	8%	16%	15%	26%
FEMALES	100%	25%	11%	12%	11%	13%	11%	10%	6%
PRIMARY CARE	100%	13%	10%	11%	7%	9%	15%	14%	22%
SPECIALTY CARE	100%	8%	10%	13%	14%	10%	14%	11%	20%

See Note 1 regarding determination of ages.

Table 3 -- VT Dentists, 2015
Age by Type of Practice for Each Gender

Type of Practice	Total	Number in Age Group							
		<35	35-39	40-44	45-49	50-54	55-59	60-64	65+
TOTAL	383	45	37	42	31	36	57	53	82
MALES	294	23	27	31	21	24	47	44	77
PRIMARY CARE	237	19	21	24	16	19	38	36	64
General	226	19	19	23	15	18	37	34	61
Pediatric	11	.	2	1	1	1	1	2	3
SPECIALTY CARE	57	4	6	7	5	5	9	8	13
Oral Surgery	20	1	4	3	4	.	3	2	3
Endodontics	7	2	.	1	.	.	.	.	4
Orthodontics	20	1	2	2	1	3	4	4	3
Periodontics	7	.	.	1	.	2	1	1	2
Prosthodontics	2	.	.	.	.	.	1	1	.
Other Specialties	1	.	.	.	.	.	.	.	1
FEMALES	89	22	10	11	10	12	10	9	5
PRIMARY CARE	75	20	9	9	5	10	9	9	4
General	75	20	9	9	5	10	9	9	4
SPECIALTY CARE	14	2	1	2	5	2	1	.	1
Oral Surgery	1	.	.	.	1	.	.	.	.
Endodontics	6	2	.	.	2	1	.	.	1
Orthodontics	3	.	.	1	2	.	.	.	.
Periodontics	3	.	1	1	.	1	.	.	.
Other Specialties	1	.	.	.	.	.	1	.	.

See Note 1 regarding determination of ages.

Table 4 -- VT Dentists, 2015
Age by County

County	Total	Number in Age Group							
		<35	35-39	40-44	45-49	50-54	55-59	60-64	65+
STATEWIDE TOTAL									
Total	383	45	37	42	31	36	57	53	82
Primary Care	312	39	30	33	21	29	47	45	68
Specialists	71	6	7	9	10	7	10	8	14
Addison County									
Primary Care	11	2	2	2	1	.	2	.	2
Specialists	3	.	.	1	1	.	.	.	1
Bennington County									
Primary Care	20	4	1	1	1	2	4	1	6
Specialists	6	.	1	1	1	.	1	1	1
Caledonia County									
Primary Care	17	2	1	1	.	3	3	1	6
Specialists	1	.	.	.	.	.	.	1	.
Chittenden County									
Primary Care	100	15	11	17	5	10	17	15	10
Specialists	36	3	4	3	5	3	9	2	7
Essex County									
Primary Care	3	.	.	1	2	.	.	.	.
Specialists	.	.	.	.	.	.	.	.	.
Franklin County									
Primary Care	19	3	1	3	.	1	6	2	3
Specialists	.	.	.	.	.	.	.	.	.
Grand Isle County									
Primary Care	1	.	.	.	.	.	.	.	1
Specialists	.	.	.	.	.	.	.	.	.
Lamoille County									
Primary Care	13	1	5	1	1	1	.	2	2
Specialists	.	.	.	.	.	.	.	.	.
Orange County									
Primary Care	9	1	.	.	4	1	1	1	1
Specialists	.	.	.	.	.	.	.	.	.
Orleans County									
Primary Care	6	.	.	.	.	1	.	1	4
Specialists	.	.	.	.	.	.	.	.	.
Rutland County									
Primary Care	36	2	2	.	1	3	6	7	15
Specialists	8	.	.	.	1	3	.	1	3
Washington County									
Primary Care	28	3	3	2	4	1	3	5	7
Specialists	6	1	.	2	1	1	.	1	.
Windham County									
Primary Care	22	2	2	2	1	2	2	6	5
Specialists	5	.	2	2	.	.	.	1	.
Windsor County									
Primary Care	27	4	2	3	1	4	3	4	6
Specialists	6	2	.	.	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, 2015
 Years in Clinical Practice

In Clinical Practice	Total Years	In Vermont
Total	383	383
less than a year	7 (2%)	10 (3%)
1 to 2 years	14 (4%)	43 (11%)
3 to 4 years	16 (4%)	26 (7%)
5 to 9 years	45 (12%)	51 (13%)
10 to 14 years	28 (7%)	29 (8%)
15 to 19 years	41 (11%)	42 (11%)
20 to 24 years	27 (7%)	29 (8%)
25 to 29 years	44 (11%)	46 (12%)
30 to 34 years	51 (13%)	31 (8%)
35 to 39 years	42 (11%)	35 (9%)
40 years or more	68 (18%)	38 (10%)
unknown	0	3
Median Years	25	17

Vermont Dentists

Distribution of Full Time Equivalents (FTEs)

Table 6 -- VT Dentists, 2015
 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	383 290.1 11947	312 240.1 9844	71 50.0 2103
Addison County	19 11.5 469	13 9.3 376	6 2.2 93
Bennington County	27 19.6 813	21 16.5 683	6 3.1 129
Caledonia County	19 12.5 503	18 12.3 496	1 .2 7
Chittenden County	141 100.3 4148	104 76.5 3116	37 23.8 1031
Essex County	3 2.3 101	3 2.3 101	.. ..
Franklin County	23 17.4 699	20 16.4 660	3 1.0 38
Grand Isle County	1 .7 28	1 .7 28	.. ..
Lamoille County	16 10.2 411	14 10.0 401	2 .2 11
Orange County	9 7.2 289	9 7.2 289	.. ..
Orleans County	9 4.8 214	6 4.6 202	3 .2 12
Rutland County	48 31.3 1260	37 24.8 998	11 6.5 262
Washington County	46 30.3 1285	33 23.9 1022	13 6.4 263
Windham County	29 20.7 878	24 18.7 800	5 2.0 78
Windsor County	35 21.2 850	29 16.8 671	6 4.5 180

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

Table 7 -- VT Dentists, 2015
 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	312 240.1 9844	301 231.7 9498	11 8.4 346
Addison County	13 9.3 376	12 9.3 375	1 <.05 2
Bennington County	20 16.5 683	20 16.5 683	.. ..
Caledonia County	18 12.3 496	18 12.3 496	.. ..
Chittenden County	104 76.5 3116	98 71.2 2894	6 5.3 222
Essex County	3 2.3 101	3 2.3 101	.. ..
Franklin County	20 16.4 660	20 16.4 660	.. ..
Grand Isle County	1 .7 28	1 .7 28	.. ..
Lamoille County	13 10.0 401	13 10.0 401	.. ..
Orange County	9 7.2 289	9 7.2 289	.. ..
Orleans County	6 4.6 202	5 4.0 179	1 .6 23
Rutland County	37 24.8 998	36 23.9 959	1 1.0 39
Washington County	33 23.9 1022	33 23.9 1022	.. ..
Windham County	24 18.7 800	24 18.7 800	.. ..
Windsor County	29 16.8 671	26 15.3 610	3 1.5 60

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

Table 8 -- VT Dentists, 2015
 Numbers of Specialty Care Dentists, Full Time Equivalent
 (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	71 50.0 2103	21 14.6 627	13 7.6 303	23 17.3 729	10 7.5 314	2 1.1 43	2 2.0 86
Addison County	6 2.2 93	2 1.3 50	. . . . .	3 .9 40	1 .1 3	.. .. .	.. .. .
Bennington County	6 3.1 129	3 1.1 49	. . . . .	1 .7 28	2 1.3 52	.. .. .	.. .. .
Caledonia County	1 .2 7	. . . . .	. . . . .	1 .2 7	.. .. .	.. .. .	.. .. .
Chittenden County	37 23.8 1031	9 7.3 325	6 3.2 128	12 6.4 287	6 3.8 162	2 1.1 43	2 2.0 86
Essex County	.. .. .	.. .. .	.. .. .	.. .. .	.. .. .	.. .. .	.. .. .
Franklin County	3 1.0 38	. . . . .	. . . . .	3 1.0 38	.. .. .	.. .. .	.. .. .
Grand Isle County	.. .. .	.. .. .	.. .. .	.. .. .	.. .. .	.. .. .	.. .. .
Lamoille County	2 .2 11	2 .2 11	.. .. .	.. .. .	.. .. .	.. .. .	.. .. .
Orange County	.. .. .	.. .. .	.. .. .	.. .. .	.. .. .	.. .. .	.. .. .
Orleans County	2 .2 12	. . . . .	. . . . .	2 .2 12	.. .. .	.. .. .	.. .. .
Rutland County	11 6.5 262	4 1.4 60	2 1.1 43	3 2.4 94	2 1.6 65	.. .. .	.. .. .
Washington County	13 6.4 263	3 1.8 71	2 1.2 48	6 2.8 112	2 .7 32	.. .. .	.. .. .
Windham County	5 2.0 78	4 1.6 62	. . . . .	1 .4 16	.. .. .	.. .. .	.. .. .
Windsor County	6 4.5 180	. . . . .	3 2.1 84	3 2.4 96	.. .. .	.. .. .	.. .. .

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

Table 9 -- VT Dentists, 2015
 Primary Care Dentistry FTE to Population Ratios, by County

County	FTEs	Population	FTEs per 100,000	Population per FTE
STATEWIDE TOTAL	240.1	626,042	38.4	2,607
Addison	9.3	37,035	25.2	3,976
Bennington	16.5	36,317	45.5	2,199
Caledonia	12.3	30,780	40.0	2,500
Chittenden	76.5	161,382	47.4	2,108
Essex	2.3	6,163	37.9	2,638
Franklin	16.4	48,799	33.6	2,975
Grand Isle	.7	6,861	10.2	9,758
Lamoille	10.0	25,235	39.6	2,526
Orange	7.2	28,899	25.0	4,001
Orleans	4.6	27,100	16.9	5,923
Rutland	24.8	59,736	41.6	2,406
Washington	23.9	58,612	40.7	2,457
Windham	18.7	43,386	43.2	2,315
Windsor	16.8	55,737	30.1	3,325

Only General and Pediatric dentists are included.

Population estimates are for 2015 (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, 2015
FTEs by Age by County

County	Total	FTEs in Age Group							
		< 35	35-39	40-44	45-49	50-54	55-59	60-64	65+
STATEWIDE TOTAL									
Total	290.1	38.2	28.5	31.0	26.0	29.6	45.1	38.9	52.8
Primary Care	240.1	33.0	24.4	25.3	17.4	24.1	36.2	34.8	45.0
Specialists	50.0	5.2	4.2	5.7	8.7	5.4	8.9	4.1	7.7
Addison County									
Primary Care	9.3	1.8	1.7	1.8	.9	.	1.6	.	1.5
Specialists	2.2	.3	.	.4	1.0	.1	.2	.	.3
Bennington County									
Primary Care	16.5	3.6	1.0	1.0	.8	1.9	2.6	.8	4.7
Specialists	3.1	.	.0	.8	.7	.	.7	.5	.4
Caledonia County									
Primary Care	12.3	1.9	1.0	.8	.2	2.4	1.9	.6	3.6
Specialists	.2	.	.	.	.	.	.	.2	.
Chittenden County									
Primary Care	76.5	12.4	8.3	12.8	3.6	7.7	14.2	11.3	6.3
Specialists	23.8	2.5	2.9	1.6	3.8	2.7	6.5	.1	3.6
Essex County									
Primary Care	2.3	.	.	.6	1.7	.	.	.	.
Specialists	.	.	.	.	.	.	.	.	.
Franklin County									
Primary Care	16.4	2.6	.9	2.7	.	1.0	5.1	1.6	2.6
Specialists	1.0	.	.	.5	.	.	.5	.	.
Grand Isle County									
Primary Care	.7	.	.	.	.	.	.	.	.7
Specialists	.	.	.	.	.	.	.	.	.
Lamoille County									
Primary Care	10.0	.	4.2	.8	1.0	1.0	.	1.4	1.6
Specialists	.2	.	.0	.	.	.	.2	.	.
Orange County									
Primary Care	7.2	.9	.	.	3.1	.6	.9	.9	.8
Specialists	.	.	.	.	.	.	.	.	.
Orleans County									
Primary Care	4.6	.	.	.	.	1.0	.	.8	2.8
Specialists	.2	.1	.	.	.	.	.1	.	.
Rutland County									
Primary Care	24.8	2.0	1.7	.2	.5	2.3	2.8	5.2	10.1
Specialists	6.5	.	.0	.	1.3	1.9	.	.9	2.4
Washington County									
Primary Care	23.9	3.7	2.7	1.7	3.7	.9	2.9	5.1	3.3
Specialists	6.4	.6	.5	2.0	1.0	.8	.7	.6	.3
Windham County									
Primary Care	18.7	1.3	2.0	1.7	1.3	2.1	1.8	4.5	4.1
Specialists	2.0	.	.6	.5	.	.	.	.9	.
Windsor County									
Primary Care	16.8	2.8	.9	1.2	.6	3.3	2.4	2.6	2.9
Specialists	4.5	1.8	.	.	.9	.	.	1.0	.8

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, 2015
Total FTEs by Practice Setting

Type of Practice	Total FTEs	FTEs in Setting			
		Solo Practice	Practice of 2 dentists	Practice of 3+ dentists	Other Settings
TOTAL	290.1	119.2	88.2	73.8	8.9
PRIMARY CARE	240.1	98.0	76.7	56.6	8.8
General	231.7	96.9	74.8	51.3	8.8
Pediatric	8.4	1.1	2.0	5.3	.
SPECIALTY CARE	50.0	21.2	11.5	17.2	.1
Oral Surgery	14.6	4.7	3.1	6.9	<.05
Endodontics	7.6	1.7	5.9	.	.
Orthodontics	17.3	8.6	.8	7.9	.
Periodontics	7.5	3.3	1.8	2.4	.
Prosthodontics	1.1	1.0	.	.	.1
Other Specialties	2.0	2.0	.	.	.

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

Vermont Dentists

Training

Table 12 -- VT Dentists, 2015
Dental School Location by Type of Practice

Type of Practice	Total	Number Graduated from Dental School in Region					
		New England	Mid Atlantic	South	Central	West	Foreign
TOTAL	383	84	120	66	75	19	13
PRIMARY CARE	312	64	98	58	61	14	12
General	301	63	95	56	57	14	11
Pediatric	11	1	3	2	4	.	1
SPECIALTY CARE	71	20	22	8	14	5	1
Oral Surgery	21	2	6	3	7	2	1
Endodontics	13	6	3	2	.	1	.
Orthodontics	23	9	7	2	4	1	.
Periodontics	10	3	3	1	2	1	.
Prosthodontics	2	.	2	.	.	.	.
Other Specialties	2	.	1	.	1	.	.

The 'Total' column includes 6 dentists with unknown school location.
See note 12 for definition of regions.

Table 13 -- VT Dentists, 2015
 UVM Dental GPR Program Participation by Type of Practice

Type of Practice	Total	Ever Enrolled in UVM GPR Program		
		Yes	No	Unknown
TOTAL	383	46	333	4
PRIMARY CARE	312	43	267	2
General	301	43	256	2
Pediatric	11	.	11	.
SPECIALTY CARE	71	3	66	2
Oral Surgery	21	1	20	.
Endodontics	13	.	12	1
Orthodontics	23	.	22	1
Periodontics	10	1	9	.
Prosthodontics	2	.	2	.
Other Specialties	2	1	1	.

Vermont Dentists

Practice Characteristics

Table 14 -- VT Dentists, 2015
Practice Setting by Type of Practice, Age and Gender

	Total	Number in Setting			
		Solo Practice	Practice of 2 dentists	Practice of 3+ dentists	Other Settings
TOTAL	383	145	120	99	19
Type of Practice					
General	301	118	97	68	18
Pediatric	11	2	3	6	.
Oral Surgery	21	5	5	11	.
Endodontics	13	2	11	.	.
Orthodontics	23	12	1	10	.
Periodontics	10	3	3	4	.
Prosthodontics	2	1	.	.	1
Other Specialties	2	2	.	.	.
Age Group					
Younger than 35	45	7	19	18	1
35 - 44	79	25	21	29	4
45 - 54	67	30	23	11	3
55 - 59	57	25	16	13	3
60 - 64	53	25	14	10	4
65 or older	82	33	27	18	4
Gender					
Male	294	118	88	76	12
Female	89	27	32	23	7

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

Table 15 -- VT Dentists, 2015
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	383	31	33	33	28
PRIMARY CARE	312	32	34	33	29
General	301	32	33	33	29
Pediatric	11	31	37	29	29
SPECIALTY CARE	71	30	30	36	22
Oral Surgery	21	30	28	38	20
Endodontics	13	23	31	18	19
Orthodontics	23	32	32	36	25
Periodontics	10	31	31	39	22
Prosthodontics	2	22	.	.	.
Other Specialties	2	43	.	.	.

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

Table 16 -- VT Dentists, 2015
Dentists In Practice with Dental Hygienists, by Specialty

Type of practice	Total Dentists	Dentists who work with Dental Hygienists	Dentists who work with Dental Assistants
TOTAL	383	311 (83%)	363 (97%)
PRIMARY CARE	312	285 (93%)	297 (97%)
General	301	274 (93%)	286 (97%)
Pediatric	11	11 (100%)	11 (100%)
SPECIALTY CARE	71	26 (37%)	66 (94%)
Oral Surgery	21	2 (10%)	19 (90%)
Endodontics	13	0 (0%)	12 (100%)
Orthodontics	23	12 (52%)	21 (91%)
Periodontics	10	10 (100%)	10 (100%)
Prosthodontics	2	1 (50%)	2 (100%)
Other Specialties	2	1 (50%)	2 (100%)

Table 17 -- VT Dentists, 2015
Dentists In Practice with Dental Hygienists, by Setting

Practice Setting	Total Dentists	Dentists who work with Dental Hygienists	Dentists who work with Dental Assistants
Total	383	311 (83%)	363 (97%)
Solo Practice	145	116 (81%)	135 (94%)
2 Dentists	120	99 (85%)	114 (98%)
3+ Dentists	99	86 (88%)	97 (99%)
Nursing Home	2	1 (50%)	0 (0%)
Volunteer Clinic	4	2 (50%)	4 (100%)
Community Clinic	3	2 (100%)	3 (150%)
Other	9	4 (44%)	9 (100%)
Unknown	1	1 (100%)	1 (100%)

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. 8 dentists did not report whether they work with hygienists/assistants. Denominators for percentages do not include unknowns.

Table 18 -- VT Dentists, 2015
Practice Availability by Type of Practice

Type of Practice	Total Dentists	Average Weeks Wait New Patient	Average Weeks Wait Current Patient
TOTAL OFFICE	369	3.4	2.5
PRIMARY CARE	299	3.6	2.6
General	288	3.6	2.6
Pediatric	11	3.5	2.6
SPECIALTY CARE	70	2.8	2.1
Oral Surgery	21	3.9	3.2
Endodontics	13	1.9	2.0
Orthodontics	23	1.8	1.3
Periodontics	10	2.6	1.3
Prosthodontics	1	.	.
Other Specialties	2	8.5	1.5

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	369	95%	65%	76%	35%	78%
PRIMARY CARE	299	96%	66%	75%	33%	80%
General	288	95%	65%	74%	31%	80%
Pediatric	11	100%	100%	91%	91%	100%
SPECIALTY CARE	70	93%	63%	84%	45%	65%
Oral Surgery	21	100%	90%	95%	67%	90%
Endodontics	13	75%	8%	67%	0%	8%
Orthodontics	23	95%	77%	82%	64%	78%
Periodontics	10	100%	30%	90%	10%	40%
Prosthodontics	1	0%	.	0%	.	.
Other Specialties	2	100%	100%	100%	50%	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 that dentist's sites.

Data are for office settings only (see Note 11). Prosthodontics excluded from acceptance of Medicaid. Denominators for percentages do not include unknowns (16 for wait time, 6 for new patients). Denominator for accepting new Medicaid patients includes those not participating. See Note 10 for information about practice availability.

Table 19 -- VT Dentists, 2015
Practice Availability by County

County	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	334	96%	67%	73%	33%	3.4	2.6
Specialists	96	95%	68%	85%	51%	2.6	1.9
Addison County							
Primary Care	12	92%	83%	83%	58%	3.5	3.3
Specialists	6	100%	83%	100%	83%	1.5	1.2
Bennington County							
Primary Care	21	95%	62%	57%	38%	2.0	1.7
Specialists	6	100%	67%	100%	67%	3.6	3.2
Caledonia County							
Primary Care	18	100%	67%	83%	56%	5.1	3.9
Specialists	1	100%	100%	100%	100%	1.0	1.0
Chittenden County							
Primary Care	113	96%	64%	79%	25%	2.6	1.8
Specialists	40	97%	68%	90%	47%	2.4	1.7
Essex County							
Primary Care	3	100%	100%	100%	67%	4.3	2.7
Specialists	0						
Franklin County							
Primary Care	21	100%	90%	86%	55%	2.4	1.9
Specialists	3	100%	100%	67%	67%	1.3	1.3
Grand Isle County							
Primary Care	1	100%	100%	100%	100%	1.0	.0
Specialists	0						
Lamoille County							
Primary Care	13	100%	85%	69%	46%	1.7	1.3
Specialists	2	100%	100%	100%	100%	6.0	4.0
Orange County							
Primary Care	9	100%	56%	56%	22%	4.5	4.0
Specialists	0						
Orleans County							
Primary Care	5	100%	100%	60%	60%	4.8	4.6
Specialists	2	100%	100%	100%	100%	.5	.0
Rutland County							
Primary Care	36	97%	73%	76%	30%	5.0	4.5
Specialists	11	90%	70%	80%	50%	3.0	1.7
Washington County							
Primary Care	34	94%	65%	65%	29%	3.7	2.2
Specialists	13	82%	55%	82%	55%	3.0	2.1
Windham County							
Primary Care	25	83%	39%	61%	9%	5.9	4.7
Specialists	5	100%	80%	80%	20%	4.0	3.0
Windsor County							
Primary Care	23	95%	59%	68%	32%	4.5	2.3
Specialists	7	86%	29%	43%	0%	2.5	2.9

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. See Note 10 for information about practice availability.

Table 20 -- VT Dentists, 2015
 Tried to Recruit a Dentist
 by Type of Practice, Age, and Setting

	Total	Tried to Recruit a Dentist		Did Not Try	
		Success	No Success	Interested	No interest
TOTAL	383	93	39	35	213
Type of Practice					
General	301	68	32	30	169
Pediatric	11	6	1	1	3
Oral Surgery	21	7	2	1	11
Endodontics	13	2	1	.	9
Orthodontics	23	6	1	3	13
Periodontics	10	4	.	.	6
Prosthodontics	2	.	.	.	2
Other Specialties	2	.	2	.	.
Age Group					
Younger than 35	45	16	1	1	27
35 - 44	79	32	2	4	40
45 - 54	67	12	3	5	45
55 - 59	57	7	9	7	34
60 - 64	53	8	9	8	28
65 or older	82	18	15	10	39
Main Setting					
Solo Practice	145	3	18	19	104
2 Dentists	120	29	13	10	67
3+ Dentists	99	55	8	6	30
Nursing Home	2	.	.	.	2
Volunteer Clinic	4	.	.	.	3
Community Clinic	3	3	.	.	.
Other	9	2	.	.	7
Unknown	1	1	.	.	.

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 3 dentists missing data on recruiting a dentist.

Table 21 -- VT Dentists, 2015
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	312	74	33	31	172
Specialists	71	19	6	4	41
Addison County					
Primary Care	11	.	1	.	10
Specialists	3	1	.	.	2
Bennington County					
Primary Care	20	7	.	4	9
Specialists	6	.	.	1	5
Caledonia County					
Primary Care	17	6	3	.	8
Specialists	1	.	1	.	.
Chittenden County					
Primary Care	100	29	3	7	61
Specialists	36	14	3	1	18
Essex County					
Primary Care	3	2	.	.	1
Specialists	0				
Franklin County					
Primary Care	19	4	2	3	10
Specialists	0				
Grand Isle County					
Primary Care	1	.	.	.	1
Specialists	0				
Lamoille County					
Primary Care	13	7	.	.	6
Specialists	0				
Orange County					
Primary Care	9	.	1	1	7
Specialists	0				
Orleans County					
Primary Care	6	.	3	1	2
Specialists	0				
Rutland County					
Primary Care	36	4	8	10	13
Specialists	8	1	.	2	4
Washington County					
Primary Care	28	8	2	1	17
Specialists	6	1	.	.	5
Windham County					
Primary Care	22	3	9	3	7
Specialists	5	2	2	.	1
Windsor County					
Primary Care	27	4	1	1	20
Specialists	6	.	.	.	6

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 3 dentists missing data on recruiting a dentist

Distribution of Vermont Dentists by Health Care Areas

Table 22 -- VT Dentists, 2015
 Numbers of Dentists, Full Time Equivalent (FTEs), and
 Total Weekly Patient Care Hours, by Health Care Area

	Count FTEs Hours	TOTAL	PRIMARY CARE TOTAL	SPECIALTY CARE TOTAL
STATEWIDE TOTAL		383 290.1 11947	312 240.1 9844	71 50.0 2103
Barre		46 30.3 1285	33 23.9 1022	13 6.4 263
Bennington		28 21.4 896	22 18.3 766	6 3.1 129
Brattleboro		23 15.5 657	18 13.6 579	5 2.0 78
Burlington		142 101.0 4176	105 77.2 3144	37 23.8 1031
Middlebury		19 11.5 469	13 9.3 376	6 2.2 93
Morrisville		21 13.8 557	19 13.6 547	2 .2 11
Newport		10 6.2 279	8 6.0 267	2 .2 12
Randolph		23 14.5 579	19 11.6 462	4 2.9 117
Rutland		48 31.3 1260	37 24.8 998	11 6.5 262
Springfield		14 10.0 400	13 9.1 364	1 .9 36
St. Albans		23 17.4 699	20 16.4 660	3 1.0 38
St. Johnsbury		14 9.8 393	13 9.6 387	1 .2 7
Upper Valley		4 3.2 128	4 3.2 128	. . .
Windsor		8 4.2 170	6 3.6 144	2 .7 26

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

Table 23 -- VT Dentists, 2015
FTEs by Age by Health Care Area

Health Care Area	Total	FTEs in Age Group							
		< 35	35-39	40-44	45-49	50-54	55-59	60-64	65+
STATEWIDE TOTAL									
Total	290.1	38.2	28.5	31.0	26.0	29.6	45.1	38.9	52.8
Primary Care	240.1	33.0	24.4	25.3	17.4	24.1	36.2	34.8	45.0
Specialists	50.0	5.2	4.2	5.7	8.7	5.4	8.9	4.1	7.7
Barre									
Primary Care	23.9	3.7	2.7	1.7	3.7	.9	2.9	5.1	3.3
Specialists	6.4	.6	.5	2.0	1.0	.8	.7	.6	.3
Bennington									
Primary Care	18.3	3.6	1.0	1.0	.8	1.9	2.6	1.8	5.4
Specialists	3.1	.	<.05	.8	.7	.	.7	.5	.4
Brattleboro									
Primary Care	13.6	1.3	2.0	.	.5	2.1	.8	3.5	3.4
Specialists	2.0	.	.6	.5	.	.	.	.9	.
Burlington									
Primary Care	77.2	12.4	8.3	12.8	3.6	7.7	14.2	11.3	7.0
Specialists	23.8	2.5	2.9	1.6	3.8	2.7	6.5	.1	3.6
Middlebury									
Primary Care	9.3	1.8	1.7	1.8	.9	.	1.6	.	1.5
Specialists	2.2	.3	.	.4	1.0	.1	.2	.	.3
Morrisville									
Primary Care	13.6	.9	4.2	.8	1.2	1.8	.	1.4	3.3
Specialists	.2	.	<.05	.	.	.	.2	.	.
Newport									
Primary Care	6.0	.	.	.6	.8	1.0	.	.8	2.8
Specialists	.2	.1	.	.	.	.	.1	.	.
Randolph									
Primary Care	11.6	1.7	.	.1	2.4	1.4	2.5	.8	2.7
Specialists	2.9	1.8	.	.	.	.	.	.8	.4
Rutland									
Primary Care	24.8	2.0	1.7	.2	.5	2.3	2.8	5.2	10.1
Specialists	6.5	.	<.05	.	1.3	1.9	.	.9	2.4
Springfield									
Primary Care	9.1	.	.1	2.8	.8	1.8	1.8	1.8	.
Specialists	.9	.	.	.	.9	.	.	.	.
St. Albans									
Primary Care	16.4	2.6	.9	2.7	.	1.0	5.1	1.6	2.6
Specialists	1.0	.	.	.5	.	.	.5	.	.
St. Johnsbury									
Primary Care	9.6	1.0	1.0	.8	.9	1.6	1.9	.6	1.9
Specialists	.2	.	.	.	.	.	.	.2	.
Upper Valley									
Primary Care	3.2	.9	.	.	1.4	.	.	.9	.
Specialists	.	.	.	.	.	.	.	.	.
Windsor									
Primary Care	3.6	1.1	.8	.	.	.7	.	.	1.0
Specialists	.7	.	.	.	.	.	.	.2	.5

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

Table 24 -- VT Dentists, 2015
 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	240.1	626,042	38.4	2,607
Barre	23.9	64,214	37.2	2,692
Bennington	18.3	39,309	46.5	2,153
Brattleboro	13.6	31,914	42.6	2,350
Burlington	77.2	177,124	43.6	2,293
Middlebury	9.3	28,518	32.7	3,062
Morrisville	13.6	30,306	44.8	2,230
Newport	6.0	27,966	21.5	4,661
Randolph	11.6	35,151	32.9	3,043
Rutland	24.8	60,471	41.1	2,435
Springfield	9.1	28,092	32.3	3,101
St. Albans	16.4	45,340	36.2	2,764
St. Johnsbury	9.6	28,125	34.2	2,923
Upper Valley	3.2	16,432	19.5	5,138
Windsor	3.6	13,080	27.4	3,646

Only General and Pediatric dentists are included.

Population estimates are for 2015 (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, 2015
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	334	96%	67%	73%	33%	3.4	2.6
Specialists	96	95%	68%	85%	51%	2.6	1.9
Barre							
Primary Care	34	94%	65%	65%	29%	3.7	2.2
Specialists	13	82%	55%	82%	55%	3.0	2.1
Bennington							
Primary Care	23	96%	65%	57%	39%	2.5	2.1
Specialists	6	100%	67%	100%	67%	3.6	3.2
Brattleboro							
Primary Care	19	82%	35%	65%	0%	6.5	5.0
Specialists	5	100%	80%	80%	20%	4.0	3.0
Burlington							
Primary Care	114	96%	64%	79%	26%	2.5	1.8
Specialists	40	97%	68%	90%	47%	2.4	1.7
Middlebury							
Primary Care	12	92%	83%	83%	58%	3.5	3.3
Specialists	6	100%	83%	100%	83%	1.5	1.2
Morrisville							
Primary Care	19	100%	79%	79%	53%	1.9	1.9
Specialists	2	100%	100%	100%	100%	6.0	4.0
Newport							
Primary Care	7	100%	100%	71%	71%	5.0	4.1
Specialists	2	100%	100%	100%	100%	.5	.0
Randolph							
Primary Care	15	100%	60%	87%	40%	3.7	3.0
Specialists	4	75%	25%	50%	0%	3.3	3.5
Rutland							
Primary Care	36	97%	73%	76%	30%	5.0	4.5
Specialists	11	90%	70%	80%	50%	3.0	1.7
Springfield							
Primary Care	11	90%	50%	50%	30%	6.4	2.4
Specialists	1	100%	0%	100%	0%	2.0	4.0
St. Albans							
Primary Care	21	100%	90%	86%	55%	2.4	1.9
Specialists	3	100%	100%	67%	67%	1.3	1.3
St. Johnsbury							
Primary Care	13	100%	69%	77%	46%	6.0	4.1
Specialists	1	100%	100%	100%	100%	1.0	1.0
Upper Valley							
Primary Care	4	100%	75%	25%	25%	5.3	4.0
Specialists	0						
Windsor							
Primary Care	6	83%	33%	50%	0%	1.8	1.8
Specialists	2	100%	50%	0%	0%	1.5	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.
See Note 10 for information about practice availability.

Distribution of Vermont Dentists by Local Health Districts

Table 26 -- VT Dentists, 2015
 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		383 290.1 11947	312 240.1 9844	71 50.0 2103
Barre		46 30.3 1285	33 23.9 1022	13 6.4 263
Bennington		27 19.6 813	21 16.5 683	6 3.1 129
Brattleboro		25 17.3 740	20 15.3 662	5 2.0 78
Burlington		141 100.3 4148	104 76.5 3116	37 23.8 1031
Middlebury		19 11.5 469	13 9.3 376	6 2.2 93
Morrisville		22 13.8 557	20 13.6 547	2 .2 11
Newport		11 6.2 279	8 6.0 267	3 .2 12
Rutland		48 31.3 1260	37 24.8 998	11 6.5 262
Springfield		15 10.1 407	13 9.1 364	2 1.1 43
St. Albans		24 18.1 727	21 17.1 688	3 1.0 38
St. Johnsbury		14 9.8 393	13 9.6 387	1 .2 7
Wht Rvr Jct		34 21.7 870	29 18.3 733	5 3.4 137

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

Table 27 -- VT Dentists, 2015
FTEs by Age by Local Health District

District	Total	FTEs in Age Group							
		< 35	35-39	40-44	45-49	50-54	55-59	60-64	65+
STATEWIDE TOTAL									
Total	290.1	38.2	28.5	31.0	26.0	29.6	45.1	38.9	52.8
Primary Care	240.1	33.0	24.4	25.3	17.4	24.1	36.2	34.8	45.0
Specialists	50.0	5.2	4.2	5.7	8.7	5.4	8.9	4.1	7.7
Barre									
Primary Care	23.9	3.7	2.7	1.7	3.7	.9	2.9	5.1	3.3
Specialists	6.4	.6	.5	2.0	1.0	.8	.7	.6	.3
Bennington									
Primary Care	16.5	3.6	1.0	1.0	.8	1.9	2.6	.8	4.7
Specialists	3.1	.	<.05	.8	.7	.	.7	.5	.4
Brattleboro									
Primary Care	15.3	1.3	2.0	.	.5	2.1	.8	4.5	4.1
Specialists	2.0	.	.6	.5	.	.	.	.9	.
Burlington									
Primary Care	76.5	12.4	8.3	12.8	3.6	7.7	14.2	11.3	6.3
Specialists	23.8	2.5	2.9	1.6	3.8	2.7	6.5	.1	3.6
Middlebury									
Primary Care	9.3	1.8	1.7	1.8	.9	.	1.6	.	1.5
Specialists	2.2	.3	.	.4	1.0	.1	.2	.	.3
Morrisville									
Primary Care	13.6	.9	4.2	.8	1.2	1.8	.	1.4	3.3
Specialists	.2	.	<.05	.	.	.	.2	.	.
Newport									
Primary Care	6.0	.	.	.6	.8	1.0	.	.8	2.8
Specialists	.2	.1	.	.	.	.	.1	.	.
Rutland									
Primary Care	24.8	2.0	1.7	.2	.5	2.3	2.8	5.2	10.1
Specialists	6.5	.	<.05	.	1.3	1.9	.	.9	2.4
Springfield									
Primary Care	9.1	.	.1	2.8	.8	1.8	1.8	1.8	.
Specialists	1.1	.	.	.	.9	.	.	.2	.
St. Albans									
Primary Care	17.1	2.6	.9	2.7	.	1.0	5.1	1.6	3.3
Specialists	1.0	.	.	.5	.	.	.5	.	.
St. Johnsbury									
Primary Care	9.6	1.0	1.0	.8	.9	1.6	1.9	.6	1.9
Specialists	.2	.	.	.	.	.	.	.2	.
Wht Rvr Jct									
Primary Care	18.3	3.7	.8	.1	3.7	2.1	2.5	1.7	3.7
Specialists	3.4	1.8	.	.	.	.	.	.8	.8

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

Table 28 -- VT Dentists, 2015
 Primary Care Dentistry FTE to Population Ratios
 by Local Health District

District	FTEs	Population	FTEs per 100,000	Population per FTE
STATEWIDE TOTAL	240.1	626,042	38.4	2,607
Barre	23.9	65,723	36.3	2,755
Bennington	16.5	36,317	45.5	2,199
Brattleboro	15.3	35,450	43.3	2,312
Burlington	76.5	161,352	47.4	2,108
Middlebury	9.3	36,901	25.2	3,962
Morrisville	13.6	31,195	43.6	2,296
Newport	6.0	27,966	21.5	4,661
Rutland	24.8	59,900	41.5	2,412
Springfield	9.1	33,363	27.2	3,682
St. Albans	17.1	55,660	30.7	3,254
St. Johnsbury	9.6	34,377	28.0	3,573
Wht Rvr Jct	18.3	47,838	38.3	2,609

Only General and Pediatric dentists are included.

Population estimates are for 2015 (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, 2015
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	334	96%	67%	73%	33%	3.4	2.6
Specialists	96	95%	68%	85%	51%	2.6	1.9
Barre							
Primary Care	34	94%	65%	65%	29%	3.7	2.2
Specialists	13	82%	55%	82%	55%	3.0	2.1
Bennington							
Primary Care	21	95%	62%	57%	38%	2.0	1.7
Specialists	6	100%	67%	100%	67%	3.6	3.2
Brattleboro							
Primary Care	21	84%	42%	63%	5%	6.5	5.2
Specialists	5	100%	80%	80%	20%	4.0	3.0
Burlington							
Primary Care	113	96%	64%	79%	25%	2.6	1.8
Specialists	40	97%	68%	90%	47%	2.4	1.7
Middlebury							
Primary Care	12	92%	83%	83%	58%	3.5	3.3
Specialists	6	100%	83%	100%	83%	1.5	1.2
Morrisville							
Primary Care	19	100%	79%	79%	53%	1.9	1.9
Specialists	2	100%	100%	100%	100%	6.0	4.0
Newport							
Primary Care	7	100%	100%	71%	71%	5.0	4.1
Specialists	2	100%	100%	100%	100%	.5	.0
Rutland							
Primary Care	36	97%	73%	76%	30%	5.0	4.5
Specialists	11	90%	70%	80%	50%	3.0	1.7
Springfield							
Primary Care	11	90%	50%	50%	30%	6.4	2.4
Specialists	2	100%	50%	50%	0%	2.0	2.5
St. Albans							
Primary Care	22	100%	90%	86%	57%	2.3	1.8
Specialists	3	100%	100%	67%	67%	1.3	1.3
St. Johnsbury							
Primary Care	13	100%	69%	77%	46%	6.0	4.1
Specialists	1	100%	100%	100%	100%	1.0	1.0
Wht Rvr Jct							
Primary Care	25	96%	56%	68%	28%	3.5	2.9
Specialists	5	80%	20%	40%	0%	2.8	3.0

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. See Note 10 for information about practice availability.

Vermont Dentists

Comparisons Between 2005, 2013 and 2015

Table 30 -- VT Dentists, 2013 and 2015
 Summary of Active Dentists, 2013 vs. 2015

	2013	2015	Change	
TOTAL	369	383	+14	+4%
Type of Practice:				
Primary Care Total	298	312	+14	+5%
General	286	301	+15	+5%
Pediatric	12	11	-1	-8%
Specialty Care Total	71	71	0	0%
Oral Surgery	23	21	-2	-9%
Endodontics	11	13	+2	+18%
Orthodontics	24	23	-1	-4%
Periodontics	10	10	0	0%
Prosthodontics	1	2	+1	+100%
Other Specialties	2	2	0	0%
Age groups:				
Younger than 35	42	45	+3	+7%
35 - 39	33	37	+4	+12%
40 - 44	37	42	+5	+14%
45 - 49	32	31	-1	-3%
50 - 54	47	36	-11	-23%
55 - 59	51	57	+6	+12%
60 - 64	51	53	+2	+4%
65 and older	76	82	+6	+8%
Gender:				
Male	291	294	+3	+1%
Female	78	89	+11	+14%
Patient care hours:				
Less than 30 hours/week	81	104	+23	+28%
30 to under 40 hours/week	204	196	-8	-4%
40 or more hours/week	84	83	-1	-1%
Number of practice sites:				
One	313	324	+11	+4%
Two	45	52	+7	+16%
Three or more	11	7	-4	-36%
Tried to add an associate:				
Yes, with success	84	93	+9	+11%
Yes, without success	36	39	+3	+8%
Interested but did not try	26	35	+9	+35%
Not interested	220	213	-7	-3%
Unknown	3	3		

Table 31 -- VT Dentists, 2013 and 2015
Full Time Equivalentents (FTEs) by County

PRIMARY CARE:

	2013	2015	Change
	<hr/>	<hr/>	<hr/>
STATE TOTAL	238.4	240.1	+1.7
Addison County	9.7	9.3	-.4
Bennington County	12.8	16.5	+3.7
Caledonia County	11.9	12.3	+.4
Chittenden County	73.8	76.5	+2.7
Essex County	.8	2.3	+1.5
Franklin County	15.1	16.4	+1.3
Grand Isle County	.8	.7	-.1
Lamoille County	9.2	10.0	+.8
Orange County	7.4	7.2	-.2
Orleans County	6.6	4.6	-2.0
Rutland County	29.1	24.8	-4.3
Washington County	22.0	23.9	+1.9
Windham County	19.9	18.7	-1.2
Windsor County	19.3	16.8	-2.5

SPECIALTY CARE:

	2013	2015	Change
	<hr/>	<hr/>	<hr/>
STATE TOTAL	52.4	50.0	-2.4
Addison County	1.8	2.2	+.4
Bennington County	5.2	3.1	-2.1
Caledonia County	.6	.2	-.4
Chittenden County	22.6	23.8	+1.2
Essex County	.	.	.
Franklin County	1.8	1.0	-.8
Grand Isle County	.	.	.
Lamoille County	.4	.2	-.2
Orange County	.	.	.
Orleans County	.7	.2	-.5
Rutland County	7.2	6.5	-.7
Washington County	5.3	6.4	+1.1
Windham County	1.2	2.0	+.8
Windsor County	5.6	4.5	-1.1

Table 32 -- VT Dentists, 2013 and 2015
 Full Time Equivalentents (FTEs) of Dentists Who Stopped or Started
 Vermont Practice Between 2013 and 2015, by County

County	Change in FTEs of those who stayed	FTEs of those dentists who:		Net Change in FTEs
		Stopped Practice	Started Practice	
TOTAL	-12.8	27.5	39.5	-.7
By type of practice:				
General	-11.0	20.9	33.2	1.3
Pediatric	.1	.4	.6	.4
Oral Surgery	-.2	3.7	2.1	-1.8
Endodontics	-2.2	1.0	1.6	-1.6
Orthodontics	<.05	1.9	2.0	.1
Periodontics	.3	.8	1.0	.5
Prosthodontics	.1	.	.1	.2
Other Specialties	<.05	.8	1.0	.2
By County:				
Addison	-.1	1.9	2.0	.
Bennington	-1.1	3.1	5.8	1.6
Caledonia	-.4	3.3	3.7	.
Chittenden	-5.7	7.3	17.0	3.9
Essex	-.2	.	1.7	1.5
Franklin	<.05	2.3	2.7	.4
Grand Isle	-.1	.	.	-.1
Lamoille	-.4	2.3	3.3	.6
Orange	-.2	.	.	-.2
Orleans	-.5	2.1	.1	-2.5
Rutland	-1.9	7.3	4.2	-5.0
Washington	-.1	3.7	6.8	3.0
Windham	-.1	2.6	2.4	-.3
Windsor	-2.3	4.0	2.6	-3.6

All worksites of each dentist are counted in this table (see Note 4).
 FTEs in "Stopped Practice" column are from 2013 survey.
 FTEs in "Started Practice" column are from 2015 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, 2005 and 2015
 Summary of Active Dentists, 2005 vs. 2015

	2005	2015	Change	
	<hr/>	<hr/>	<hr/>	<hr/>
TOTAL	352	383	+31	+9%
Type of Practice:				
Primary Care Total	278	312	+34	+12%
General	269	301	+32	+12%
Pediatric	9	11	+2	+22%
Specialty Care Total	74	71	-3	-4%
Oral Surgery	19	21	+2	+11%
Endodontics	9	13	+4	+44%
Orthodontics	27	23	-4	-15%
Periodontics	12	10	-2	-17%
Prosthodontics	4	2	-2	-50%
Other Specialties	3	2	-1	-33%
Age groups:				
Younger than 35	35	45	+10	+29%
35 - 39	28	37	+9	+32%
40 - 44	32	42	+10	+31%
45 - 49	54	31	-23	-43%
50 - 54	58	36	-22	-38%
55 - 59	64	57	-7	-11%
60 - 64	48	53	+5	+10%
65 and older	30	82	+52	+173%
Unknown	3	0		
Gender:				
Male	305	294	-11	-4%
Female	47	89	+42	+89%
Patient care hours:				
Less than 30 hours/week	106	104	-2	-2%
30 to under 40 hours/week	197	196	-1	-1%
40 or more hours/week	49	83	+34	+69%
Number of practice sites:				
One	308	324	+16	+5%
Two	29	52	+23	+79%
Three or more	15	7	-8	-53%
Tried to add an associate:				
Yes, with success	36	93	+57	+158%
Yes, without success	46	39	-7	-15%
Interested but did not try	57	35	-22	-39%
Not interested	208	213	+5	+2%
Unknown	5	3		

Table 34 -- VT Dentists, 2005 and 2015
Full Time Equivalents (FTEs) by County

PRIMARY CARE:

	2005	2015	Change
	<hr/>	<hr/>	<hr/>
STATE TOTAL	216.0	240.1	+24.1
Addison County	9.1	9.3	+.2
Bennington County	15.4	16.5	+1.1
Caledonia County	11.6	12.3	+.7
Chittenden County	63.6	76.5	+12.9
Essex County	.8	2.3	+1.5
Franklin County	13.9	16.4	+2.5
Grand Isle County	.9	.7	-.2
Lamoille County	8.1	10.0	+1.9
Orange County	7.2	7.2	.
Orleans County	5.1	4.6	-.5
Rutland County	20.7	24.8	+4.1
Washington County	21.8	23.9	+2.1
Windham County	20.7	18.7	-2.0
Windsor County	17.1	16.8	-.3

SPECIALTY CARE:

	2005	2015	Change
	<hr/>	<hr/>	<hr/>
STATE TOTAL	51.1	50.0	-1.1
Addison County	1.3	2.2	+.9
Bennington County	3.6	3.1	-.5
Caledonia County	1.1	.2	-.9
Chittenden County	23.2	23.8	+.6
Essex County	.	.	.
Franklin County	1.9	1.0	-.9
Grand Isle County	.	.	.
Lamoille County	.4	.2	-.2
Orange County	.	.	.
Orleans County	.3	.2	-.1
Rutland County	6.6	6.5	-.1
Washington County	4.8	6.4	+1.6
Windham County	3.4	2.0	-1.4
Windsor County	4.6	4.5	-.1

Appendices

Appendix A. General Notes and Terms

Definition of Active Dentist

A dentist who relicensed (in September 2015) for the period 2015-2017 in Vermont, and who provided at least two patient care hours per week in Vermont 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. Also excluded are dentists that reported fewer than 2 patient care hours per week on the average.

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 3-6 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; 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 2015 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 2015 and were provided by the Department of Health. These estimates are a slightly modified version of the Census Bureau estimates.

(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

Mid Atlantic: 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.



29020

VERMONT DEPARTMENT OF HEALTH CENSUS OF DENTISTS 2015

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

(Please print legibly using a dark blue or black pen and uppercase letters; fill in small check ovals entirely)

Vermont License Number

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

10. What is your employment status?

- Actively working in a job that requires a Dentist license
- Actively working in a job that does not require a Dentist license
- Not currently working
- Retired

11. Do you provide direct patient care in Vermont as a Dentist? Yes No

IF NO:

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

*** IF YOU DO NOT PROVIDE PATIENT CARE IN VERMONT, PLEASE STOP HERE AND RETURN SURVEY**

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

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

14. Have you or your practice tried to recruit a dentist during the last two years?

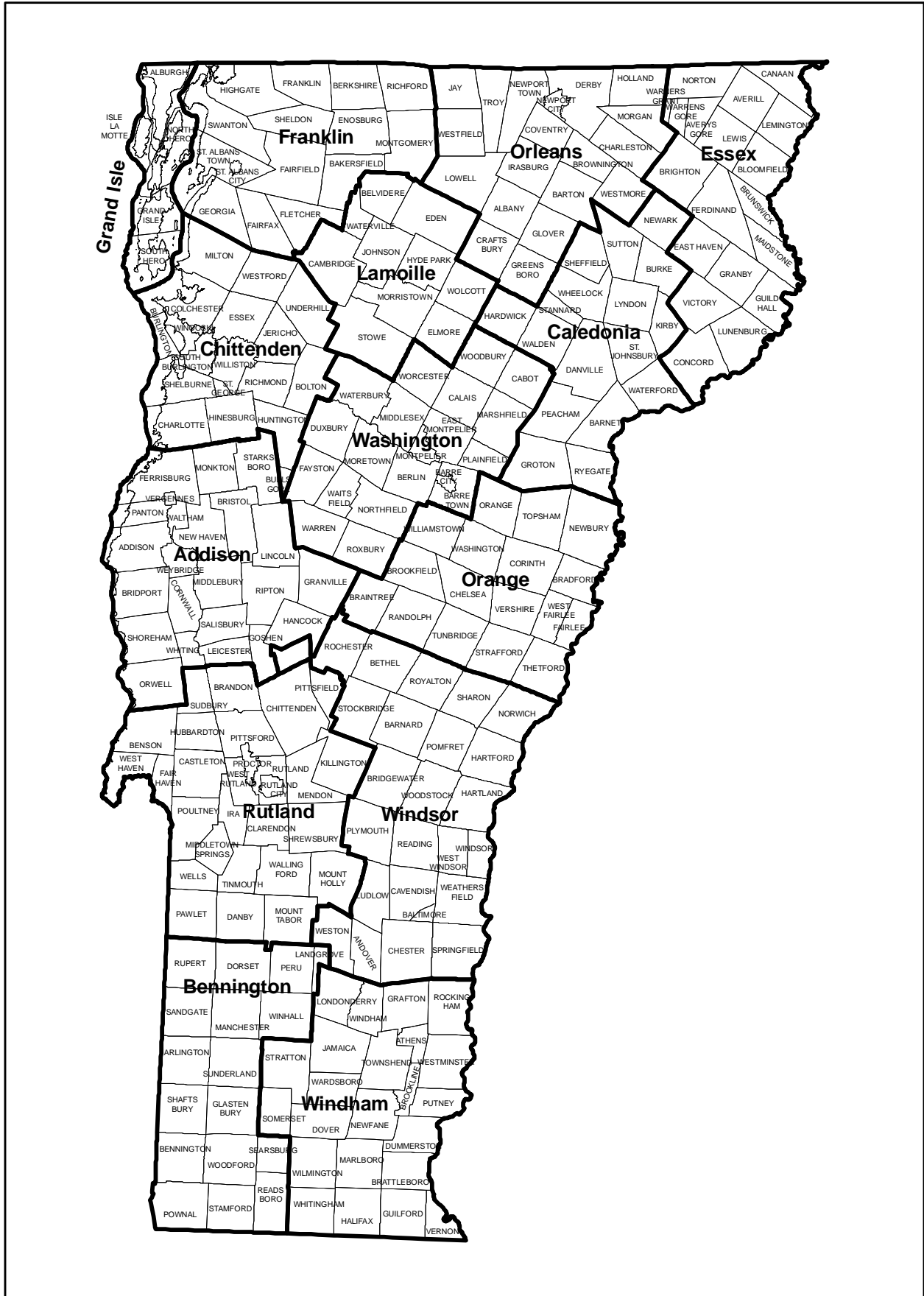
- Yes - with success
- Yes - without success
- No, but I would like to recruit a dentist
- No, not interested or not applicable

Please continue on next page. Thank you.

29020



Appendix D: Vermont Counties and Towns



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



Appendix F: Local Health Districts

